Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

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

package pq

import {
    "context"
    "database/sql/driver"
}

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

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

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

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

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

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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### 1.4 jinja2 2.11.2

#### 1.4.1 Available under license:

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```python
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
)```
description="A very fast and expressive template engine.",
long_description=readme,
classifiers=[
    "Development Status :: 5 - Production/Stable",
    "Environment :: Web Environment",
    "Intended Audience :: Developers",
    "License :: OSI Approved :: BSD License",
    "Operating System :: OS Independent",
    "Programming Language :: Python",
    "Programming Language :: Python :: 2",
    "Programming Language :: Python :: 2.7",
    "Programming Language :: Python :: 3",
    "Programming Language :: Python :: 3.5",
    "Programming Language :: Python :: 3.6",
    "Programming Language :: Python :: 3.7",
    "Programming Language :: Python :: 3.8",
    "Programming Language :: Python :: Implementation :: CPython",
    "Programming Language :: Python :: Implementation :: PyPy",
    "Topic :: Internet :: WWW/HTTP :: Dynamic Content",
    "Topic :: Software Development :: Libraries :: Python Modules",
    "Topic :: Text Processing :: Markup :: HTML",
],
packages=find_packages("src"),
package_dir={'": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"],

Found in path(s):
* /opt/cola/permits/1160880513_1620412497.03/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/setup.py
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Found in path(s):
/opt/cola/permits/1160880513_1620412497.03/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/LICENSE.rst
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Metadata-Version: 2.1
Name: Jinja2
Version: 2.11.2
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Code, https://github.com/pallets/jinja
Description: Jinja

=======

Jinja is a fast, expressive, extensible templating engine. Special
placeholders in the template allow writing code similar to Python
syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted
user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async
functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing
----------

Install and update using `pip`:

```
$ pip install -U Jinja2
```


In A Nutshell
-------------

```
{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
{% for user in users %}
<li><a href="{{ user.url }}">{{ user.username }}</a></li>
{% endfor %}
</ul>
{% endblock %}
```

Links
-----

- Website: https://palletsprojects.com/p/jinja/
- Documentation: https://jinja.palletsprojects.com/
- Releases: https://pypi.org/project/Jinja2/
- Code: https://github.com/pallets/jinja
1.5 sqlite 3.36.0-r0

1.5.1 Available under license:

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/*
 ** CAPI3REF: Configuration Options
 ** KEYWORDS: {configuration option}
 **
 ** These constants are the available integer configuration options that
 ** can be passed as the first argument to the [sqlite3_config()] interface.
 **
 ** New configuration options may be added in future releases of SQLite.
 ** Existing configuration options might be discontinued. Applications
 ** should check the return code from [sqlite3_config()] to make sure that
**the call worked. The [sqlite3_config()] interface will return a**
**non-zero [error code] if a discontinued or unsupported configuration option**
**is invoked.**
**
** **<dl>
** [[SQLITE_CONFIG_SINGLETHREAD]] <dt>SQLITE_CONFIG_SINGLETHREAD</dt>
** <dd>There are no arguments to this option. ^This option sets the**
**[threading mode] to Single-thread. In other words, it disables**
**all muting and puts SQLite into a mode where it can only be used**
**by a single thread. ^If SQLite is compiled with**
**the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then**
**it is not possible to change the [threading mode] from its default**
**value of Single-thread and so [sqlite3_config()] will return**
**[SQLITE_ERROR] if called with the SQLITE_CONFIG_SINGLETHREAD**
**configuration option.</dd>
**
** [[SQLITE_CONFIG_MULTITHREAD]] <dt>SQLITE_CONFIG_MULTITHREAD</dt>
** <dd>There are no arguments to this option. ^This option sets the**
**[threading mode] to Multi-thread. In other words, it disables**
**muting on [database connection] and [prepared statement] objects.**
**The application is responsible for serializing access to**
**[database connections] and [prepared statements]. But other mutexes**
**are enabled so that SQLite will be safe to use in a multi-threaded**
**environment as long as no two threads attempt to use the same**
**[database connection] at the same time. ^If SQLite is compiled with**
**the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then**
**it is not possible to set the Multi-thread [threading mode] and**
**[sqlite3_config()] will return [SQLITE_ERROR] if called with the**
**SQLITE_CONFIG_MULTITHREAD configuration option.</dd>
**
** [[SQLITE_CONFIG_SERIALIZED]] <dt>SQLITE_CONFIG_SERIALIZED</dt>
** <dd>There are no arguments to this option. ^This option sets the**
**[threading mode] to Serialized. In other words, this option enables**
**all mutexes including the recursive**
**mutexes on [database connection] and [prepared statement] objects.**
**In this mode (which is the default when SQLite is compiled with**
**[SQLITE_THREADSAFE=1]) the SQLite library will itself serialize access**
**to [database connections] and [prepared statements] so that the**
**application is free to use the same [database connection] or the**
**same [prepared statement] in different threads at the same time.**
**^If SQLite is compiled with**
**the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then**
**it is not possible to set the Serialized [threading mode] and**
**[sqlite3_config()] will return [SQLITE_ERROR] if called with the**
**SQLITE_CONFIG_SERIALIZED configuration option.</dd>
**
** [[SQLITE_CONFIG_MALLOC]] <dt>SQLITE_CONFIG_MALLOC</dt>
** <dd> ^(The SQLITE_CONFIG_MALLOC option takes a single argument which is
** a pointer to an instance of the [sqlite3_mem_methods] structure.
** The argument specifies
** alternative low-level memory allocation routines to be used in place of
** the memory allocation routines built into SQLite.)^ SQLite makes
** its own private copy of the content of the [sqlite3_mem_methods] structure
** before the [sqlite3_config()] call returns.</dd>
**
** [[SQLITE_CONFIG_GETMALLOC]] <dt>SQLITE_CONFIG_GETMALLOC</dt>
** <dd> ^(The SQLITE_CONFIG_GETMALLOC option takes a single argument which
** is a pointer to an instance of the [sqlite3_mem_methods] structure.
** The [sqlite3_mem_methods]
** structure is filled with the currently defined memory allocation routines.)^
** This option can be used to overload the default memory allocation
** routines with a wrapper that simulations memory allocation failure or
** tracks memory usage, for example.  </dd>
**
** [[SQLITE_CONFIG_SMALL_MALLOC]] <dt>SQLITE_CONFIG_SMALL_MALLOC</dt>
** <dd> ^The SQLITE_CONFIG_SMALL_MALLOC option takes single argument of
** type int, interpreted as a boolean, which if true provides a hint to
** SQLite that it should avoid large memory allocations if possible.
** SQLite will run faster if it is free to make large memory allocations,
** but some application might prefer to run slower in exchange for
** guarantees about memory fragmentation that are possible if large
** allocations are avoided.  This hint is normally off.
** </dd>
**
** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd> ^The SQLITE_CONFIG_MEMSTATUS option takes single argument of type int,
** interpreted as a boolean, which enables or disables the collection of
** memory allocation statistics.  ^When memory allocation statistics are
** disabled, the following SQLite interfaces become non-operational:
** <ul>
** <li> [sqlite3_hard_heap_limit64()]
** <li> [sqlite3_memory_used()]
** <li> [sqlite3_memory_highwater()]
** <li> [sqlite3_soft_heap_limit64()]
** <li> [sqlite3_status64()]
** </ul>^ Memory allocation statistics are enabled by default unless SQLite is
** compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory
** allocation statistics are disabled by default.
** </dd>
**
** [[SQLITE_CONFIG_SCRATCH]] <dt>SQLITE_CONFIG_SCRATCH</dt>
** <dd> The SQLITE_CONFIG_SCRATCH option is no longer used.
** </dd>
**
** [[SQLITE_CONFIG_PAGECACHE]] <dt>SQLITE_CONFIG_PAGECACHE</dt>
** <dd> ^The SQLITE_CONFIG_PAGECACHE option specifies a memory pool that SQLite can use for the database page cache with the default page cache implementation.

** This configuration option is a no-op if an application-defined page cache implementation is loaded using the SQLITE_CONFIG_PAGECACHE2.

** ^There are three arguments to SQLITE_CONFIG_PAGECACHE: A pointer to an 8-byte aligned memory (pMem), the size of each page cache line (sz), and the number of cache lines (N).

** The sz argument should be the size of the largest database page (a power of two between 512 and 65536) plus some extra bytes for each page header. ^The number of extra bytes needed by the page header can be determined using SQLITE_CONFIG_PCACHE_HDRSZ.

** ^It is harmless, apart from the wasted memory, for the sz parameter to be larger than necessary. The pMem argument must be either a NULL pointer or a pointer to an 8-byte aligned block of memory of at least sz*N bytes, otherwise subsequent behavior is undefined.

** ^When pMem is not NULL, SQLite will strive to use the memory provided to satisfy page cache needs, falling back to sqlite3_malloc() if a page cache line is larger than sz bytes or if all of the pMem buffer is exhausted.

** ^If pMem is NULL and N is non-zero, then each database connection does an initial bulk allocation for page cache memory from sqlite3_malloc() sufficient for N cache lines if N is positive or -1024*N bytes if N is negative. ^If additional page cache memory is needed beyond what is provided by the initial allocation, then SQLite goes to sqlite3_malloc() separately for each additional cache line. </dd>

** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>

** <dd> ^The SQLITE_CONFIG_HEAP option specifies a static memory buffer that SQLite will use for all of its dynamic memory allocation needs beyond those provided for by SQLITE_CONFIG_PAGECACHE.

** ^The SQLITE_CONFIG_HEAP option is only available if SQLite is compiled with either SQLITE_ENABLE_MEMSYS3 or SQLITE_ENABLE_MEMSYS5 and returns SQLITE_ERROR if invoked otherwise.

** ^There are three arguments to SQLITE_CONFIG_HEAP:

** An 8-byte aligned pointer to the memory, the number of bytes in the memory buffer, and the minimum allocation size.

** ^If the first pointer (the memory pointer) is NULL, then SQLite reverts to using its default memory allocator (the system malloc() implementation), undoing any prior invocation of SQLITE_CONFIG_MALLOC. ^If the memory pointer is not NULL then the alternative memory allocator is engaged to handle all of SQLite's memory allocation needs.

** The first pointer (the memory pointer) must be aligned to an 8-byte boundary or subsequent behavior of SQLite will be undefined.

** The minimum allocation size is capped at 2**12. Reasonable values for the minimum allocation size are 2**5 through 2**8.</dd>
** 

** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>
** <dd> ^(The SQLITE_CONFIG_MUTEX option takes a single argument which is a
** pointer to an instance of the [sqlite3_mutex_methods] structure.
** The argument specifies alternative low-level mutex routines to be used
** in place the mutex routines built into SQLite.)^ ^SQLite makes a copy of
** the content of the [sqlite3_mutex_methods] structure before the call to
** [sqlite3_config()] returns. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**

** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(The SQLITE_CONFIG_GETMUTEX option takes a single argument which
** is a pointer to an instance of the [sqlite3_mutex_methods] structure. The
** [sqlite3_mutex_methods]
** structure is filled with the currently defined mutex routines.)^ 
** This option can be used to overload the default mutex allocation
** routines with a wrapper used to track mutex usage for performance
** profiling or testing, for example. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**

** [[SQLITE_CONFIG_LOOKASIDE]] <dt>SQLITE_CONFIG_LOOKASIDE</dt>
** <dd> ^(The SQLITE_CONFIG_LOOKASIDE option takes two arguments that determine
** the default size of lookaside memory on each [database connection].
** The first argument is the
** size of each lookaside buffer slot and the second is the number of
** slots allocated to each database connection.)^ ^(SQLITE_CONFIG_LOOKASIDE
** sets the <i>default</i>/ lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE]
** option to [sqlite3_db_config()] can be used to change the lookaside
** configuration on individual connections.)^ </dd>
**

** [[SQLITE_CONFIG_PCACHE2]] <dt>SQLITE_CONFIG_PCACHE2</dt>
** <dd> ^(The SQLITE_CONFIG_PCACHE2 option takes a single argument which is
** a pointer to an [sqlite3_pcache_methods2] object. This object specifies
** the interface to a custom page cache implementation.)^ 
** ^SQLite makes a copy of the [sqlite3_pcache_methods2] object.</dd>
**

** [[SQLITE_CONFIG_GETPCACHE2]] <dt>SQLITE_CONFIG_GETPCACHE2</dt>
** <dd> ^(The SQLITE_CONFIG_GETPCACHE2 option takes a single argument which
** is a pointer to an [sqlite3_pcache_methods2] object. SQLite copies of
** the current page cache implementation into that object.)^ </dd>
**

** [[SQLITE_CONFIG_LOG]] <dt>SQLITE_CONFIG_LOG</dt>
The SQLITE_CONFIG_LOG option is used to configure the SQLite global [error log].

The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a function with a call signature of void(*)(void*,int,const char*), and a pointer to void. If the function pointer is not NULL, it is invoked by [sqlite3_log()] to process each logging event. If the function pointer is NULL, the [sqlite3_log()] interface becomes a no-op.

The void pointer that is the second argument to SQLITE_CONFIG_LOG is passed through as the first parameter to the application-defined logger function whenever that function is invoked. The second parameter to the logger function is a copy of the first parameter to the corresponding [sqlite3_log()] call and is intended to be a [result code] or an [extended result code]. The third parameter passed to the logger is the log message after formatting via [sqlite3_snprintf()].

The SQLite logging interface is not reentrant; the logger function supplied by the application must not invoke any SQLite interface. In a multi-threaded application, the application-defined logger function must be threadsafe.

The SQLITE_CONFIG_URI option takes a single argument of type int. If non-zero, then URI handling is globally enabled. If the parameter is zero, then URI handling is globally disabled. If URI handling is globally enabled, all filenames passed to [sqlite3_open()], [sqlite3_open_v2()], [sqlite3_open16()] or specified as part of [ATTACH] commands are interpreted as URIs, regardless of whether or not the [SQLITE_OPEN_URI] flag is set when the database connection is opened. If it is globally disabled, filenames are only interpreted as URIs if the SQLrITE_OPEN_URI flag is set when the database connection is opened. By default, URI handling is globally disabled. The default value may be changed by compiling with the [SQLITE_USE_URI] symbol defined.

The SQLITE_CONFIG_COVERING_INDEX_SCAN option takes a single integer argument which is interpreted as a boolean in order to enable or disable the use of covering indices for full table scans in the query optimizer. The default setting is determined by the [SQLITE_ALLOW_COVERING_INDEX_SCAN] compile-time option, or is "on" if that compile-time option is omitted. The ability to disable the use of covering indices for full table scans is because some incorrectly coded legacy applications might malfunction when the optimization is enabled. Providing the ability to disable the optimization allows the older, buggy application code to work without change even with newer versions of SQLite.

The SQLITE_CONFIG_PCACHE and SQLITE_CONFIG_GETPCACHE options are not used in Crosswork Change Automation and Health Insight 4.3.0.
**<dd> These options are obsolete and should not be used by new code.**
**They are retained for backwards compatibility but are now no-ops.**
**</dd>**

**<dd>**[[SQLITE_CONFIG_SQLLOG]]**
**<dt>SQLITE_CONFIG_SQLLOG**
**<dd>This option is only available if sqlite is compiled with the**
**[SQLITE_ENABLE_SQLLOG] pre-processor macro defined. The first argument should**
**be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int).**
**The second should be of type (void*). The callback is invoked by the library**
**in three separate circumstances, identified by the value passed as the**
**fourth parameter. If the fourth parameter is 0, then the database connection**
**passed as the second argument has just been opened. The third argument**
**points to a buffer containing the name of the main database file. If the**
**fourth parameter is 1, then the SQL statement that the third parameter**
**points to has just been executed. Or, if the fourth parameter is 2, then**
**the connection being passed as the second parameter is being closed. The**
**third parameter is passed NULL In this case. An example of using this**
**configuration option can be seen in the "test_sqllog.c" source file in**
**the canonical SQLite source tree.</dd>**

**<dd>**[[SQLITE_CONFIG_MMAP_SIZE]]**
**<dt>SQLITE_CONFIG_MMAP_SIZE**
**<dd>^[SQLITE_CONFIG_MMAP_SIZE] takes two 64-bit integer (sqlite3_int64) values**
**that are the default mmap size limit (the default setting for**
**[PRAGMA mmap_size]) and the maximum allowed mmap size limit.**
**^The default setting can be overridden by each database connection using**
**either the [PRAGMA mmap_size] command, or by using the**
**[SQLITE_FCNTL_MMAP_SIZE] file control. ^The maximum allowed mmap size**
**will be silently truncated if necessary so that it does not exceed the**
**compile-time maximum mmap size set by the**
**[SQLITE_MAX_MMAP_SIZE] compile-time option.)^**
**^If either argument to this option is negative, then that argument is**
**changed to its compile-time default.**

**<dd>**[[SQLITE_CONFIG_WIN32_HEAPSIZE]]**
**<dt>SQLITE_CONFIG_WIN32_HEAPSIZE**
**<dd>^The SQLITE_CONFIG_WIN32_HEAPSIZE option is only available if SQLite is**
**compiled for Windows with the [SQLITE_WIN32_MALLOC] pre-processor macro**
**defined. ^SQLITE_CONFIG_WIN32_HEAPSIZE takes a 32-bit unsigned integer value**
**that specifies the maximum size of the created heap.**

**<dd>**[[SQLITE_CONFIG_PCACHE_HDRSZ]]**
**<dt>SQLITE_CONFIG_PCACHE_HDRSZ**
**<dd>^The SQLITE_CONFIG_PCACHE_HDRSZ option takes a single parameter which**
**is a pointer to an integer and writes into that integer the number of extra**
**bytes per page required for each page in [SQLITE_CONFIG_PAGECACHE].**
**The amount of extra space required can change depending on the compiler,
** [SQLITE_CONFIG_PMASZ]
** 
** <dt>SQLITE_CONFIG_PMASZ
** <dd>The SQLITE_CONFIG_PMASZ option takes a single parameter which
** is an unsigned integer and sets the "Minimum PMA Size" for the multithreaded
** sorter to that integer. The default minimum PMA Size is set by the
** [SQLITE_SORTER_PMASZ] compile-time option. New threads are launched
** to help with sort operations when multithreaded sorting
** is enabled (using the [PRAGMA threads] command) and the amount of content
** to be sorted exceeds the page size times the minimum of the
** [PRAGMA cache_size] setting and this value.
** 
** [SQLITE_CONFIG_STMTJRNL_SPILL]
** 
** <dt>SQLITE_CONFIG_STMTJRNL_SPILL
** <dd>The SQLITE_CONFIG_STMTJRNL_SPILL option takes a single parameter which
** becomes the [statement journal] spill-to-disk threshold.
** [Statement journals] are held in memory until their size (in bytes)
** exceeds this threshold, at which point they are written to disk.
** Or if the threshold is -1, statement journals are always held
** exclusively in memory.
** Since many statement journals never become large, setting the spill
** threshold to a value such as 64KiB can greatly reduce the amount of
** I/O required to support statement rollback.
** The default value for this setting is controlled by the
** [SQLITE_STMTJRNL_SPILL] compile-time option.
** 
** [SQLITE_CONFIG_SORTERREF_SIZE]
** 
** <dt>SQLITE_CONFIG_SORTERREF_SIZE
** <dd>The SQLITE_CONFIG_SORTERREF_SIZE option accepts a single parameter
** of type (int) - the new value of the sorter-reference size threshold.
** Usually, when SQLite uses an external sort to order records according
** to an ORDER BY clause, all fields required by the caller are present in the
** sorted records. However, if SQLite determines based on the declared type
** of a table column that its values are likely to be very large - larger
** than the configured sorter-reference size threshold - then a reference
** is stored in each sorted record and the required column values loaded
** from the database as records are returned in sorted order. The default
** value for this option is to never use this optimization. Specifying a
** negative value for this option restores the default behaviour.
** This option is only available if SQLite is compiled with the
** [SQLITE_ENABLE_SORTER_REFERENCES] compile-time option.
** 
** [SQLITE_CONFIG_MEMDB_MAXSIZE]
** 
** <dt>SQLITE_CONFIG_MEMDB_MAXSIZE
** <dd>The SQLITE_CONFIG_MEMDB_MAXSIZE option accepts a single parameter
** [sqlite3_int64] parameter which is the default maximum size for an in-memory
** database created using [sqlite3_deserialize()]. This default maximum
size can be adjusted up or down for individual databases using the
[SQILITE_FCNTL_SIZE_LIMIT] [sqlite3_file_control|file-control]. If this
configuration setting is never used, then the default maximum is determined
by the [SQLITE_MEMDB_DEFAULT_MAXSIZE] compile-time option. If that
compile-time option is not set, then the default maximum is 1073741824.
*/

Found in path(s):
* /opt/cola/permits/1188427916_1645733692.08/0/sqlite-amalgamation-3380000.zip/sqlite-amalgamation-
3380000/sqlite3.h
No license file was found, but licenses were detected in source scan.

/*
** CAPI3REF: Configuration Options
** KEYWORDS: [configuration option]
**
** These constants are the available integer configuration options that
** can be passed as the first argument to the [sqlite3_config()] interface.
**
** New configuration options may be added in future releases of SQLite.
** Existing configuration options might be discontinued. Applications
** should check the return code from [sqlite3_config()] to make sure that
** the call worked. The [sqlite3_config()] interface will return a
** non-zero [error code] if a discontinued or unsupported configuration option
** is invoked.
**
**<dl>
**<dt>SQLITE_CONFIG_SINGLETHREAD</dt>
**<dd>This option sets the [threading mode] to Single-thread. In other words, it disables
** all mutexing and puts SQLite into a mode where it can only be used
** by a single thread. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to change the [threading mode] from its default
** value of Single-thread and so [sqlite3_config()] will return
** [SQLITE_ERROR] if called with the SQLITE_CONFIG_SINGLETHREAD
** configuration option.</dd>
**
**<dt>SQLITE_CONFIG_MULTITHREAD</dt>
**<dd>This option sets the [threading mode] to Multi-thread. In other words, it disables
** mutexing on [database connection] and [prepared statement] objects.
** The application is responsible for serializing access to
** [database connections] and [prepared statements]. But other mutexes
** are enabled so that SQLite will be safe to use in a multi-threaded
** environment as long as no two threads attempt to use the same
** [database connection] at the same time. ^If SQLite is compiled with
**[SQLITE_CONFIG_THREADED]** <dt>SQLITE_CONFIG_THREADED</dt>
** <dd>There are no arguments to this option. This option sets the threading mode to Threading. In other words, this option enables all mutexes, including the recursive mutexes on database connection and Prepare statement objects.
** In this mode (which is the default when SQLite is compiled with SQLITE_THREADED=1) the SQLite library will itself serialize access to database connections and Prepare statements so that the application is free to use the same database connection or the same [prepared statement] in different threads at the same time.
** ^If SQLite is compiled with SQLITE_THREADSAFE=0 it is not possible to set the Threading mode and [sqlite3_config()] will return SQLITE_ERROR if called with the SQLITE_CONFIG_THREADED configuration option.</dd>
**
** [SQLITE_CONFIG_SERIALIZE] <dt>SQLITE_CONFIG_SERIALIZE</dt>
** <dd>There are no arguments to this option. This option sets the threading mode to Serialized. In other words, this option enables all mutexes, including the recursive mutexes on database connection and Prepare statement objects.
** In this mode (which is the default when SQLite is compiled with SQLITE_THREADED=1) the SQLite library will itself serialize access to database connections and Prepare statements so that the application is free to use the same database connection or the same [prepared statement] in different threads at the same time.
** ^If SQLite is compiled with SQLITE_THREADSAFE=0 it is not possible to set the Serialized threading mode and [sqlite3_config()] will return SQLITE_ERROR if called with the SQLITE_CONFIG_SERIALIZE configuration option.</dd>
**
** [SQLITE_CONFIG_MALLOC] <dt>SQLITE_CONFIG_MALLOC</dt>
** <dd>^(The SQLITE_CONFIG_MALLOC option takes a single argument which is a pointer to an instance of the [sqlite3_mem_methods] structure. The argument specifies alternative low-level memory allocation routines to be used in place of the memory allocation routines built into SQLite. ^ SQLite makes its own private copy of the content of the [sqlite3_mem_methods] structure before the [sqlite3_config()] call returns.</dd>
**
** [SQLITE_CONFIG_GET_MALLOC] <dt>SQLITE_CONFIG_GET_MALLOC</dt>
** <dd>^(The SQLITE_CONFIG_GET_MALLOC option takes a single argument which is a pointer to an instance of the [sqlite3_mem_methods] structure. The [sqlite3_mem_methods] structure is filled with the currently defined memory allocation routines.)^ This option can be used to overload the default memory allocation routines with a wrapper that simulates memory allocation failure or tracks memory usage, for example. </dd>
**
** [SQLITE_CONFIG_SMALL_MALLOC] <dt>SQLITE_CONFIG_SMALL_MALLOC</dt>
** <dd>^The SQLITE_CONFIG_SMALL_MALLOC option takes single argument of type int, interpreted as a boolean, which if true provides a hint to SQLite that it should avoid large memory allocations if possible. SQLite will run faster if it is free to make large memory allocations, but some application might prefer to run slower in exchange for guarantees about memory fragmentation that are possible if large allocations are avoided. This hint is normally off.</dd>
**
**[[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd>^The SQLITE_CONFIG_MEMSTATUS option takes single argument of type int,
** interpreted as a boolean, which enables or disables the collection of
** memory allocation statistics. ^(When memory allocation statistics are
** disabled, the following SQLite interfaces become non-operational:
** <ul><li>[sqlite3_hard_heap_limit64()]
** <li>[sqlite3_memory_used()]
** <li>[sqlite3_memory_highwater()]
** <li>[sqlite3_soft_heap_limit64()]
** <li>[sqlite3_status64()]
** <li></ul>)^
** ^Memory allocation statistics are enabled by default unless SQLite is
** compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory
** allocation statistics are disabled by default.
** </dd>

**
** [[SQLITE_CONFIG_SCRATCH]] <dt>SQLITE_CONFIG_SCRATCH</dt>
** <dd> The SQLITE_CONFIG_SCRATCH option is no longer used.
** </dd>

**
** [[SQLITE_CONFIG_PAGECACHE]] <dt>SQLITE_CONFIG_PAGECACHE</dt>
** <dd> ^The SQLITE_CONFIG_PAGECACHE option specifies a memory pool
** that SQLite can use for the database page cache with the default page
** cache implementation.
** This configuration option is a no-op if an application-defined page
** implementation is loaded using the [SQLITE_CONFIG_PCACHE2].
** ^There are three arguments to SQLITE_CONFIG_PAGECACHE: A pointer to
** 8-byte aligned memory (pMem), the size of each page cache line (sz),
** and the number of cache lines (N).
** The sz argument should be the size of the largest database page
** (a power of two between 512 and 65536) plus some extra bytes for each
** page header. ^The number of extra bytes needed by the page header
** can be determined using [SQLITE_CONFIG_PCACHE_HDRSZ].
** ^It is harmless, apart from the wasted memory,
** for the sz parameter to be larger than necessary. The pMem
** argument must be either a NULL pointer or a pointer to an 8-byte
** aligned block of memory of at least sz*N bytes, otherwise
** subsequent behavior is undefined.
** ^When pMem is not NULL, SQLite will strive to use the memory provided
** to satisfy page cache needs, falling back to [sqlite3_malloc()] if
** a page cache line is larger than sz bytes or if all of the pMem buffer
** is exhausted.
** ^If pMem is NULL and N is non-zero, then each database connection
** does an initial bulk allocation for page cache memory
** from [sqlite3_malloc()] sufficient for N cache lines if N is positive or
** of -1024*N bytes if N is negative. ^If additional
** page cache memory is needed beyond what is provided by the initial
** allocation, then SQLite goes to [sqlite3_malloc()] separately for each
** additional cache line. </dd>
**
** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>
** <dd> ^The SQLITE_CONFIG_HEAP option specifies a static memory buffer
** that SQLite will use for all of its dynamic memory allocation needs
** beyond those provided for by [SQLITE_CONFIG_PAGECACHE].
** ^The SQLITE_CONFIG_HEAP option is only available if SQLite is compiled
** with either [SQLITE_ENABLE_MEMSYS3] or [SQLITE_ENABLE_MEMSYS5] and returns
** [SQLITE_ERROR] if invoked otherwise.
** ^There are three arguments to SQLITE_CONFIG_HEAP:
** An 8-byte aligned pointer to the memory,
** the number of bytes in the memory buffer, and the minimum allocation size.
** ^If the first pointer (the memory pointer) is NULL, then SQLite reverts
** to using its default memory allocator (the system malloc() implementation),
** undoing any prior invocation of [SQLITE_CONFIG_MALLOC]. ^If the
** memory pointer is not NULL then the alternative memory
** allocator is engaged to handle all of SQLites memory allocation needs.
** The first pointer (the memory pointer) must be aligned to an 8-byte
** boundary or subsequent behavior of SQLite will be undefined.
** The minimum allocation size is capped at 2**12. Reasonable values
** for the minimum allocation size are 2**5 through 2**8.</dd>
**
** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>
** <dd> ^(The SQLITE_CONFIG_MUTEX option takes a single argument which is a
** pointer to an instance of the [sqlite3_mutex_methods] structure.
** The argument specifies alternative low-level mutex routines to be used
** in place the mutex routines built into SQLite.)^ ^SQLite makes a copy of
** the content of the [sqlite3_mutex_methods] structure before the call to
** [sqlite3_config()] returns. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire muting subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**
** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(The SQLITE_CONFIG_GETMUTEX option takes a single argument which
** is a pointer to an instance of the [sqlite3_mutex_methods] structure. The
** [sqlite3_mutex_methods]
** structure is filled with the currently defined mutex routines.)^
** This option can be used to overload the default mutex allocation
** routines with a wrapper used to track mutex usage for performance
** profiling or testing, for example. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire muting subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**[[SQLITE_CONFIG_LOOKASIDE]] [dt]SQLITE_CONFIG_LOOKASIDE[dt]**

**<dd>**(The SQLITE_CONFIG_LOOKASIDE option takes two arguments that determine
the default size of lookaside memory on each [database connection].
** The first argument is the
size of each lookaside buffer slot and the second is the number of
slots allocated to each database connection.)** ^ (SQLITE_CONFIG_LOOKASIDE
sets the default lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE]
option to [sqlite3_db_config()] can be used to change the lookaside
configuration on individual connections.)** </dd>

**[[SQLITE_CONFIG_PCACHE2]] [dt]SQLITE_CONFIG_PCACHE2[dt]**

**<dd>**(The SQLITE_CONFIG_PCACHE2 option takes a single argument which is
a pointer to an [sqlite3_pcache_methods2] object. This object specifies
the interface to a custom page cache implementation.)^ SQLite makes a copy of the [sqlite3_pcache_methods2] object.</dd>

**[[SQLITE_CONFIG_GETPCACHE2]] [dt]SQLITE_CONFIG_GETPCACHE2[dt]**

**<dd>**(The SQLITE_CONFIG_GETPCACHE2 option takes a single argument which
is a pointer to an [sqlite3_pcache_methods2] object. SQLite copies of
the current page cache implementation into that object.)** </dd>

**[[SQLITE_CONFIG_LOG]] [dt]SQLITE_CONFIG_LOG[dt]**

**<dd>The SQLITE_CONFIG_LOG option is used to configure the SQLite
global [error log].
** (^The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a
function with a call signature of void(*)(void*,int,const char*),
and a pointer to void. ^If the function pointer is not NULL, it is
invoked by [sqlite3_log()] to process each logging event. ^If the
function pointer is NULL, the [sqlite3_log()] interface becomes a no-op.
^The void pointer that is the second argument to SQLITE_CONFIG_LOG is
passed through as the first parameter to the application-defined logger
function whenever that function is invoked. ^The second parameter to
the logger function is a copy of the first parameter to the corresponding
[sqlite3_log()] call and is intended to be a [result code] or an
[extended result code]. ^The third parameter passed to the logger is
log message after formatting via [sqlite3_snprintf()].
^The SQLite logging interface is not reentrant; the logger function
supplied by the application must not invoke any SQLite interface.
^In a multi-threaded application, the application-defined logger
function must be threadsafe. </dd>

**[[SQLITE_CONFIG_URI]] [dt]SQLITE_CONFIG_URI
**<dd>**(The SQLITE_CONFIG_URI option takes a single argument of type int.
If non-zero, then URI handling is globally enabled. If the parameter is zero,
then URI handling is globally disabled.)^ If URI handling is globally
enabled, all filenames passed to [sqlite3_open()], [sqlite3_open_v2()],
[sqlite3_open16()] or
specified as part of \[\text{ATTACH}\] commands are interpreted as URIs, regardless
of whether or not the \[\text{SQLITE\_OPEN\_URI}\] flag is set when the database
connection is opened. If it is globally disabled, filenames are
only interpreted as URIs if the \[\text{SQLITE\_OPEN\_URI}\] flag is set when the
database connection is opened. By default, URI handling is globally
disabled. The default value may be changed by compiling with the
\[\text{SQLITE\_USE\_URI}\] symbol defined.^

^[The \[\text{SQLITE\_CONFIG\_COVERING\_INDEX\_SCAN}\] option takes a single integer
argument which is interpreted as a boolean in order to enable or disable
the use of covering indices for full table scans in the query optimizer.
The default setting is determined
by the \[\text{SQLITE\_ALLOW\_COVERING\_INDEX\_SCAN}\] compile-time option, or is "on"
if that compile-time option is omitted.
The ability to disable the use of covering indices for full table scans
is because some incorrectly coded legacy applications might malfunction
when the optimization is enabled. Providing the ability to
disable the optimization allows the older, buggy application code to work
without change even with newer versions of SQLite.

^[The \[\text{SQLITE\_CONFIG\_PCACHE}\] and \[\text{SQLITE\_CONFIG\_GETPCACHE}\] options are obsolete and should not be used by new code.
They are retained for backwards compatibility but are now no-ops.
]

^[This option is only available if sqlite is compiled with the
\[\text{SQLITE\_ENABLE\_SQLLOG}\] pre-processor macro defined. The first argument should
be a pointer to a function of type void(*)\(\text{void*},\text{sqlite3*},\text{const char*},\text{int})\). The second should be of type (void*). The callback is invoked by the library
in three separate circumstances, identified by the value passed as the
fourth parameter. If the fourth parameter is 0, then the database connection
passed as the second argument has just been opened. The third argument
points to a buffer containing the name of the main database file. If the
fourth parameter is 1, then the SQL statement that the third parameter
points to has just been executed. Or, if the fourth parameter is 2, then
the connection being passed as the second parameter is being closed. The
third parameter is passed NULL in this case. An example of using this
configuration option can be seen in the "test_sqllog.c" source file in
the canonical SQLite source tree.]

^[\[\text{SQLITE\_CONFIG\_MMAP\_SIZE}\]]
\[\text{SQLITE\_CONFIG\_MMAP\_SIZE}\] takes two 64-bit integer (sqlite3_int64) values
that are the default mmap size limit (the default setting for
The default setting can be overridden by each database connection using the [PRAGMA mmap_size] command, or by using the [SQLITE_FCNTL_MMAP_SIZE] file control. The maximum allowed mmap size will be silently truncated if necessary so that it does not exceed the compile-time maximum mmap size set by the [SQLITE_MAX_MMAP_SIZE] compile-time option. If either argument to this option is negative, then that argument is changed to its compile-time default.

The SQLITE_CONFIG_WIN32_HEAPSIZE option is only available if SQLite is compiled for Windows with the SQLITE_WIN32_MALLOC pre-processor macro defined. SQLITE_CONFIG_WIN32_HEAPSIZE takes a 32-bit unsigned integer value that specifies the maximum size of the created heap.

The SQLITE_CONFIG_PCACHE_HDRSZ option takes a single parameter which is a pointer to an integer and writes into that integer the number of extra bytes per page required for each page in SQLITE_CONFIG_PAGECACHE. The amount of extra space required can change depending on the compiler, target platform, and SQLite version.

The SQLITE_CONFIG_PMASZ option takes a single parameter which is an unsigned integer and sets the "Minimum PMA Size" for the multithreaded sorter to that integer. The default minimum PMA Size is set by the [SQLITE_SORTER_PMASZ] compile-time option. New threads are launched to help with sort operations when multithreaded sorting is enabled (using the [PRAGMA threads] command) and the amount of content to be sorted exceeds the page size times the minimum of the [PRAGMA cache_size] setting and this value.

The SQLITE_CONFIG_STMTJRNL_SPILL option takes a single parameter which becomes the statement journal spill-to-disk threshold. [Statement journals] are held in memory until their size (in bytes) exceeds this threshold, at which point they are written to disk. Or if the threshold is -1, statement journals are always held exclusively in memory. Since many statement journals never become large, setting the spill threshold to a value such as 64KiB can greatly reduce the amount of I/O required to support statement rollback. The default value for this setting is controlled by the

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** [SQLITE_STMTJRNL_SPILL] compile-time option.
**
** [[SQLITE_CONFIG_SORTERREF_SIZE]]
** <dt>SQ...ERREF_SIZE
** <dd>The SQLITE_CONFIG_SORTERREF_SIZE option accepts a single parameter
** of type (int) - the new value of the sorter-reference size threshold.
** Usually, when SQLite uses an external sort to order records according
** to an ORDER BY clause, all fields required by the caller are present in the
** sorted records. However, if SQLite determines based on the declared type
** of a table column that its values are likely to be very large - larger
** than the configured sorter-reference size threshold - then a reference
** is stored in each sorted record and the required column values loaded
** from the database as records are returned in sorted order. The default
** value for this option is to never use this optimization. Specifying a
** negative value for this option restores the default behaviour.
** This option is only available if SQLite is compiled with the
** [SQLITE_ENABLE_SORTER_REFERENCES] compile-time option.
**
** [[SQLITE_CONFIG_MEMDB_MAXSIZE]]
** <dt>SQ...MEMDB_MAXSIZE
** <dd>The SQLITE_CONFIG_MEMDB_MAXSIZE option accepts a single parameter
** [sqlite3_int64] parameter which is the default maximum size for an in-memory
** database created using [sqlite3_deserialize()]. This default maximum
** size can be adjusted up or down for individual databases using the
** SQLITE_FCNTL_SIZE_LIMIT [sqlite3_file_control][file-control]. If this
** configuration setting is never used, then the default maximum is determined
** by the [SQLITE_MEMDB_DEFAULT_MAXSIZE] compile-time option. If that
** compile-time option is not set, then the default maximum is 1073741824.
**
*/
/*
** The "printf" code that follows dates from the 1980's. It is in
** the public domain.
**
**************************************************************************
** This file contains code for a set of "printf"-like routines. These
** routines format strings much like the printf() from the standard C
** library, though the implementation here has enhancements to support
** SQLite.
*/
/*
** 2004 May 22
**
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** a legal notice, here is a blessing:
**
** May you do good and not evil.
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*****************************************************************************

This file contains the VFS implementation for unix-like operating systems
include Linux, MacOSX, *BSD, QNX, VxWorks, AIX, HPUX, and others.

There are actually several different VFS implementations in this file.
The differences are in the way that file locking is done. The default
implementation uses Posix Advisory Locks. Alternative implementations
use flock(), dot-files, various proprietary locking schemas, or simply
skip locking all together.

This source file is organized into divisions where the logic for various
subfunctions is contained within the appropriate division. PLEASE
KEEP THE STRUCTURE OF THIS FILE INTACT. New code should be placed
in the correct division and should be clearly labeled.

The layout of divisions is as follows:

* General-purpose declarations and utility functions.
* Unique file ID logic used by VxWorks.
* Various locking primitive implementations (all except proxy locking):
  + for Posix Advisory Locks
  + for no-op locks
  + for dot-file locks
  + for flock() locking
  + for named semaphore locks (VxWorks only)
  + for AFP filesystem locks (MacOSX only)
* sqlite3_file methods not associated with locking.
* Definitions of sqlite3_io_methods objects for all locking
  methods plus "finder" functions for each locking method.
* sqlite3_vfs method implementations.
* Locking primitives for the proxy uber-locking-method. (MacOSX only)
* Definitions of sqlite3_vfs objects for all locking methods
  plus implementations of sqlite3_os_init() and sqlite3_os_end().
/
/*

Return a pointer to the "temporary page" buffer held internally
by the pager. This is a buffer that is big enough to hold the
entire content of a database page. This buffer is used internally
during rollback and will be overwritten whenever a rollback
occurs. But other modules are free to use it too, as long as
no rollbacks are happening.
*/
1.6 go-uber-org-multierr 1.6.0

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1.7 xz 5.2.5-r1

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1.8 nuid 1.0.1

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1.9 py3-progress 1.6-r0

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1.11 etcd 3.5.2

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Files: internal/snapref/*

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1.16 psutil 5.6.7

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1.17 libproxy 0.4.15-10ubuntu1.2

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1.23 mpclib 1.1.0 1

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1.24 linux-libc-dev 5.4.0-122.138

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*/
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStar PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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M. Welsh, 6 July 1996

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  &.empty {
    display: none;
  }
}

h3 {
  margin: 10px;
  padding: 0;
  color: #54595d;
  font-size: 0.95em;
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```python

import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {} 
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {

```
'name': 'idna',
'packages': ['idna'],
'version': package_data['__version__'],
description': 'Internationalized Domain Names in Applications (IDNA)',
'long_description': io.open("README.rst", encoding="UTF-8").read(),
'author': 'Kim Davies',
'author_email': 'kim@cynosure.com.au',
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'url': 'https://github.com/kjd/idna',
'classifiers': [
'Development Status :: 5 - Production/Stable',
'Intended Audience :: Developers',
'Intended Audience :: System Administrators',
'License :: OSI Approved :: BSD License',
'Operating System :: OS Independent',
'Programming Language :: Python',
'Programming Language :: Python :: 2',
'Programming Language :: Python :: 2.7',
'Programming Language :: Python :: 3',
'Programming Language :: Python :: 3.4',
'Programming Language :: Python :: 3.5',
'Programming Language :: Python :: 3.6',
'Topic :: Internet :: Name Service (DNS)',
'Topic :: Software Development :: Libraries :: Python Modules',
'Topic :: Utilities',
],
'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*, !=3.5.*, !=3.6.*',
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2.8-orig-1-tar-gz/idna-2.8/setup.py

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

Metadata-Version: 1.2
Name: idna
Version: 2.8
Summary: Internationalized Domain Names in Applications (IDNA)
Home-page: https://github.com/kjd/idna
Author: Kim Davies
Author-email: kim@cynosure.com.au
License: BSD-like
Description: Internationalized Domain Names in Applications (IDNA)
Support for the Internationalised Domain Names in Applications (IDNA) protocol as specified in `RFC 5891 <http://tools.ietf.org/html/rfc5891>`_. This is the latest version of the protocol and is sometimes referred to as “IDNA 2008”.

This library also provides support for Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_. This acts as a suitable replacement for the “encodings.idna” module that comes with the Python standard library, but only supports the old, deprecated IDNA specification (`RFC 3490 <http://tools.ietf.org/html/rfc3490>`_).

Basic functions are simply executed:

```python
# Python 3
>>> import idna
>>> idna.encode('.'
  b'xn--eckwd4c7c.xn--zckzah'
  >>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
```

```python
  # Python 2
  >>> import idna
  >>> idna.encode(u'.
  'xn--eckwd4c7c.xn--zckzah'
  >>> print idna.decode('xn--eckwd4c7c.xn--zckzah'))
```

Packages
--------

The latest tagged release version is published in the PyPI repository:

```
.. image:: https://badge.fury.io/py/idna.svg
  :target: http://badge.fury.io/py/idna
```

Installation
------------

To install this library, you can use pip:

```
.. code-block:: bash
$ pip install idna

Alternatively, you can install the package using the bundled setup script:

.. code-block:: bash

   $ python setup.py install

This library works with Python 2.7 and Python 3.4 or later.

Usage
-----

For typical usage, the ``encode`` and ``decode`` functions will take a domain name argument and perform a conversion to A-labels or U-labels respectively.

.. code-block:: pycon

    # Python 3
    >>> import idna
    >>> idna.encode('a')
    'xn--eckwd4c7c.xn--zckzah'
    >>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
    a

You may use the codec encoding and decoding methods using the ``idna.codec`` module:

.. code-block:: pycon

    # Python 2
    >>> import idna.codec
    >>> print u'a'.encode('idna')
    xn--80ahd1agd.xn--80akhbyknj4f
    >>> print 'xn--80ahd1agd.xn--80akhbyknj4f'.decode('idna')
    a

Conversions can be applied at a per-label basis using the ``ulabel`` or ``alabel`` functions if necessary:

.. code-block:: pycon

    # Python 2
    >>> idna.alabel(u'a')
    'xn--0zwm56d'

Compatibility Mapping (UTS #46)
As described in `RFC 5895 <http://tools.ietf.org/html/rfc5895>`_, the IDNA specification no longer normalizes input from different potential ways a user may input a domain name. This functionality, known as a “mapping”, is now considered by the specification to be a local user-interface issue distinct from IDNA conversion functionality.

This library provides one such mapping, that was developed by the Unicode Consortium. Known as `Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_, it provides for both a regular mapping for typical applications, as well as a transitional mapping to help migrate from older IDNA 2003 applications.

For example, “Königsgäßchen” is not a permissible label as *LATIN CAPITAL LETTER K* is not allowed (nor are capital letters in general). UTS 46 will convert this into lower case prior to applying the IDNA conversion.

.. code-block:: pycon

    # Python 3
    >>> import idna
    >>> idna.encode(u'Königsgäßchen')
    ...
    idna.core.InvalidCodepoint: Codepoint U+004B at position 1 of 'Königsgäßchen' not allowed
    >>> idna.encode('Königsgäßchen', uts46=True)
    b'xn--knigsgchen-b4a3dun'
    >>> print(idna.decode('xn--knigsgchen-b4a3dun'))
    königsgäßchen

Transitional processing provides conversions to help transition from the older 2003 standard to the current standard. For example, in the original IDNA specification, the *LATIN SMALL LETTER SHARP S* (ß) was converted into two *LATIN SMALL LETTER S* (ss), whereas in the current IDNA specification this conversion is not performed.

.. code-block:: pycon

    # Python 2
    >>> idna.encode(u'Königsgäßchen', uts46=True, transitional=True)
    'xn--knigsgsschen-lcb0w'

Implementors should use transitional processing with caution, only in rare cases where conversion from legacy labels to current labels must be performed (i.e. IDNA implementations that pre-date 2008). For typical applications that just need to convert labels, transitional processing is unlikely to be beneficial and could produce unexpected incompatible results.

``encodings.idna`` Compatibility
Function calls from the Python built-in `encodings.idna` module are mapped to their IDNA 2008 equivalents using the `idna.compat` module. Simply substitute the `import` clause in your code to refer to the new module name.

Exceptions
----------
All errors raised during the conversion following the specification should raise an exception derived from the `idna.IDNAError` base class.

More specific exceptions that may be generated as `idna.IDNABidiError` when the error reflects an illegal combination of left-to-right and right-to-left characters in a label; `idna.InvalidCodepoint` when a specific codepoint is an illegal character in an IDN label (i.e. INVALID); and `idna.InvalidCodepointContext` when the codepoint is illegal based on its positional context (i.e. it is CONTEXTO or CONTEXTJ but the contextual requirements are not satisfied.)

Building and Diagnostics
------------------------
The IDNA and UTS 46 functionality relies upon pre-calculated lookup tables for performance. These tables are derived from computing against eligibility criteria in the respective standards. These tables are computed using the command-line script `tools/idna-data`.

This tool will fetch relevant tables from the Unicode Consortium and perform the required calculations to identify eligibility. It has three main modes:

* `idna-data make-libdata`. Generates `idnadata.py` and `uts46data.py`, the pre-calculated lookup tables using for IDNA and UTS 46 conversions. Implementors who wish to track this library against a different Unicode version may use this tool to manually generate a different version of the `idnadata.py` and `uts46data.py` files.

* `idna-data make-table`. Generate a table of the IDNA disposition (e.g. PVALID, CONTEXTJ, CONTEXTO) in the format found in Appendix B.1 of RFC 5892 and the pre-computed tables published by IANA <http://iana.org/>.

* `idna-data U+0061`. Prints debugging output on the various properties associated with an individual Unicode codepoint (in this case, U+0061), that are used to assess the IDNA and UTS 46 status of a codepoint. This is helpful in debugging or analysis.

The tool accepts a number of arguments, described using `idna-data -h`. Most notably, the `-version` argument allows the specification of the version of Unicode to use.
in computing the table data. For example, `idna-data --version 9.0.0 make-libdata` will generate library data against Unicode 9.0.0.

Note that this script requires Python 3, but all generated library data will work in Python 2.7.

Testing
-------

The library has a test suite based on each rule of the IDNA specification, as well as tests that are provided as part of the Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_.

The tests are run automatically on each commit at Travis CI:

```
.. image:: https://travis-ci.org/kjd/idna.svg?branch=master
 :target: https://travis-ci.org/kjd/idna
```

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: System Administrators
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Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
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Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Topic :: Internet :: Name Service (DNS)
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: Utilities
Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*

Found in path(s):
* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2.8-orig-1-tar-gz/idna-2.8/idna.egg-info/PKG-INFO
* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2.8-orig-1-tar-gz/idna-2.8/PKG-INFO

1.32 centrifugal-protocol 0.3.4

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1.33 jackc-pgio 1.0.0

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1.34 argon2 0~20171227 0.2

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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: phc-winner-argon2
Source: https://github.com/P-H-C/phc-winner-argon2
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Argon2 reference source code package - reference C implementations

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1.38 python-certifi 2020.12.5

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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1.42 gobject-introspection 1.64.1-
1~ubuntu20.04.1

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1.43 pcre 8.39-12ubuntu0.1

1.43.1 Available under license:

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Written by: Zoltan Herczeg
Email local part: hzmester
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1.44 pyserial 3.5

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1.45 lumberjack 2.0.0
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1.46 py3-certifi 2020.12.5-r1

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.47 golang-snappy 0.0.2

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- Sebastien Binet <seb.binet@gmail.com>

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1.48 sqlite 3.34.0

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1.49 urllib3 1.25.3

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections
* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vstkovsky <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire
* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration
* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from ```HTTPResponse.stream()```
  * Bugfix for ```ConnectionPool.urlopen(release_conn=False)```
  * Creation of ```HTTPConnectionPool.ResponseCls```

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.
* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazyly load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.
* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

1.50 mpdecimal 2.4.2-3
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1.52 python 3.8.10

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

KAAAc, EAAAY, EAAAn6b, EAAAJc, EAAAAqB, GAzRA, vB, EAAAg6B, OAAA, CAAJmuB, SAAA, CACAC, QAAA, CACAp6B, IAAAA, SAAAgL, EAAAirB, GACA, GAAAY, EAAAJa, EAAAaqB, EAAAsnB, GAAAhvB, EAAAoR, GAAAhB, WAAA, WACA, WAAAN, EAAAA, IAAAN, MAOAwf, UAAA, CACA8P, yBAAA, EAAAC, aAAA, EAAAC, aAAA, EAAAC, UA, EAAAC, YAAA, EAAAc7B, YAAA, EAAAc8B, YAAA, EAAACn, SAAA, EAAACo, OAAA, EAAAC, SAAA, EAAAC, QAAA, EAAAC, QAAA, EAAAAqB, SAAA, MAQK7B, SAAA, GAGAzP, MMAA, SAAApe, EAAAsL3L, EAUAU, EAEEAw5B, GAGA, GAAAvuB, GAAA, IAAAI, IAAAE, EAAAnwB, UAAA, UAAAaB, GAAAwoe, MAAA, CAAK, IAAAl1e, EAEE5B, EAEE0f, EAACamS, EAAA3T, EAAA3nB, GACAu7B, EAAA1C, GAAA5kB, KAAAJu, UGACA+, pB, EAAAPC, EAAAnoe, MAAA, GARAR7B, EAAAu5B, GAAA+, BIAIAAn5, EAAA1e, EAAAAvgW, SAAAAz6B, IAAAJyE, EAAAAgwB, SAAAa, QAGAz5B, IAAAnB, Ew, OAAYB, OAAA, GAAAYoB, GAAA, QAAAQACAtnB, KAAAnwJ, EAAAsd, EAAA7B, GAAA, IAAAI, EAAAnwE, UAAA, GAAAwoe, MAAA, CAAK, IAAAI, IAAAn1e, EAAAY, EAAAg6B, IAAAJ1uB, IAAAJ1uB, EAIAoe, EAIAoeB, GAAAr5B, KAAAc7B, EAAAt4B, EAAAAqB, EAAAnoe, MAAC, EAAAJ1uB, EAAAcwB, EAAAt4B, EAAAAgwB, SAAAAnm, EAIA, QAAAQACAtnB, KAAAnB, EAAAYoB, EAAAljB, IAAAI, EAAAnvwB, EAAAv5B, MAEAgQ, EA CAXR, EAAAYr, YAAXx7B, EAAAUGA, EAAAVB, EAIA, MAKBAuB, IAAAI, SAAAAtc, EAIA3L3L, EAIA6kB, EAAAAF, GACA, IAAAI, HAAA3hB, EAAAAnm, EAAAie, EAAACmS, EAAA3T, EAAA3nB, GACAu7B, EAAA1C, GAAA5kB, KAAAJu, UGACAg4B, OAovB, uB7B, IAAJCvB7B, EAAAvu5B, GAAA+B, IAAInS, EAAA1e, EAAAAvgW, SAAAAz6B, IAAAlkY, EAAAAgwB, SAAAa, GAGAnS, GAAAAl, IACAc9Q, EAAAa8Q, EAAAA7B, IAAAlqL, GAAA, IAAAnwB, SAIAR4B, IAAAnwW, IAAAc, EAAAse, GAAAHrB, EAAA3L, EAAACg6B, IAAIA, WAAA3hB, GAAAry, KAAA5kB, KACA3gB, EAAA2gB, GAAAh5B, IAAIA, KAAA6kB, MACAvB, EAAAAmtB, WAAAhgB, IAAIA, IAAAlh6B, GAAAuB, EAAA3L3L, EAIAAnm, GAGA, IAAIA5N, EAAAn6e, KAAA4BAA, L, EAAAo6B, GACApvB, EAIAEAgwB, SAAAzG, GAAA, CACAv5B, IAAIA3L3L, EAAAnwB, EAAAAsD, GACA, GAAAHtD, EAAIA, OAAAgC, GAAA3kB, KAAJx, EAAAe, MAAAd2B, QAAAb, BAAA9E, MAIEAvD, GAAAluB, EAAAlkuB, EAAA, GAHAIQ, GAAnv, EAAAAAmB, GAAAw, WACA, OAAAnub, GAAA1uB, EAAAlkuB, EAAAK, MAMAHs, IAAAI, AAAAnwV, EAAAAlwB, GACA, IAAAI, EAAAd8B, EAAA3L3L, GAAA5qB, GACAc oB, EAAAaBv, EAAAnfw, IAAAAte, EAAAI, EAAAnqb, GACAN, EAAAgQ, GAAAN, GACAjub, EAAAcuB, EAC AK, EAAChE, EAAAC, GASBA, OAojB, GAAAbwB, EAAAswB, kBAAAqB, EAAAhC, WACA0B, GAAAI, KAAASBt, KAAACaBzU, EAAA, SAAAAnkB, EAAAA, GAAAnS, cAAAAnM, SAAAAnm, EAAAAnB, wBAAA, MAAAI, JAAAcuB, WAAA2B, EAAAHh J, IACAD, GAAAJuB, EAAAlkuB, EAAA, YAAG, GACA, KAKAN, IAAAnxR, EAAA0B, GAAAJw, KAAAJT, KACA, QAAAwN, EAAA, YAEEvC, EAAAnoe, MAAAs8P, GAAAn5B, EAAAC, EAAA, +J, EAAAwf, IAAAlte, EAIAkuB, IAAg AIJ, GAAAn9tB, EAAAJl, EAAAlg5B, OAAKAvjB, EAAAvgb, SAAA7C, WAAYV, GAAAd7B, EAAAvqB, mBACA, SA AAsB, EAAAmB, EAAAnB, GACA, OAAAYb, WAAA1B, GAAAHrB, EAAA, gBACA, EAAAgwB, wBAAA C, KACA1R, GAAAnve, EAAA, CAkABisB, WAAA, GAAAgB, WACAIC, OAoAjB, EAAAvgb, wBAAAAC, QAEEh, OA MAbx, EAAAAe, KAAA, CACAcQwB, OAAA, GACAQ, QAAA, GACAQ, GAAc, SAAA, SACC, SAAAcE, EAAAC, GACDxxB, EAAAgwB, SAAAAnB, EAAAC, GACA, CACAC, OAAA, SAAAax7B, GAOA, IANA, IAAAJB, EAAA, EAAAt0B, EA AA, GAGAC, EAAAIKBAAN7B, IAAAI, MAAA, MAAAn7N, GAEUtB, EAAAI, EAAAOA, IACJ0B8B, EAAAH, EAAAnS, GAAApqB, GAAAvw8B, GAGC, EAAA3B, IAAA28B, EAAAsE8B, EAAAA2B8B, EAAA, GAGA, OA0AAD IAAIA, WAAAI, JACAvxB, EAAAgwB, SAAAAnB, EAAAC, GAAA/T, IAAAIrU, MAIAhvB, EAAAG, GAAAn0B, OAAA C, CACAd2I, IAAAJqB, EAAAlU, GACA, OAAAlAmS, EAAAr5B, KAAAA, SAAAnuM, EAAAS3L3L, EAAAIU, GACI AIAAAs5B, EAAAlB, EACA, EAAAC, GACAJM, EAAA, EAAA, GAAAnQ, MAAA, H, QAQQ, E, GAAAI, IAJH Ag6B, EAAAzD, GAAA5qB, GACAM, EAAAJM, EAAAnuf, O AeW9F, EAAAAw, EAAAxM, IACpBIM, EAAA1L, E AAAP, IAAAlgB, EAAAwf, IAAAlte, EAAAl3L, EAAAp, IAAAJB, EAAAT, GAGA, OAATub, EAGA, YAAA7JIA ABn, EACAJ, EAAAJ, MAAnwF, AAAAe, EAAAlmB, EAAAAsL3L, EAAAJ+, GAAAl, EAAAfW, EAAAlte, EAAAl3L, IACGAG, EAAAIU, AAAAI, MAAlG, OAAAI, MAQHKF, EAAAA8vB, SAEAA, GAAAI5B, UAAA, CACA+C, GAAAyM, GACA1vB, KAA A, SAAAcE, EAAAY, EAAAsB, EAAAmjC, EAAQtB, EAAAG5P, GACAxrB, KAAAIU, OACAvM, KAAAgPB, OACA hpB, KAAAl7B, UAAAvB, EAAAvvb, BAAA01O, SACAs1B, KAAAnM, UACAnN, KAAAI6, MAAMAI7I, KAAAnMyB, IAAAnyB, KAAAnkW, MACAIW, KAAAn+M, MACAM, KAAAvwB, SAAAAnB, EAAAvogB, UAAAazC, GAAAnU AE95JIAAA, WACA, IAAAI6T, EAAAnor, GAAAs8B, UAAAy9B, KAAAgPB, MAEA, OAAAnBe, KAAAn7oB, IACA6oBe
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0
```javascript
	Object.defineProperty(ns, 'default', { enumerable: true, value: value });
	if (mode & 2 && typeof value != 'string')
	  for (var key in value)
	    _webpack_require__.d(ns, key, function (module) {
	      var getter = module && module.__esModule
	      ? function
	        getDefaultValue() {
	          return module['default'];
	        } : function
	        getModuleExports() {
	          return module;
	        };
	      var ns = ns || {};
	      ns[key] = getter(_webpack_require___.resolveKey(key, value[key]));
	      if (true)
	        Object.defineProperty(ns, key, {
	          enumerable: true,
	          get: getter
	        });
	      return ns;
	  }

// getDefaultExport function for compatibility with non-harmony modules
	__webpack_require__.n = function(module)
  if (module && module.__esModule)
    module['default'] = module;

// __webpack_require__.p = "";

// Return exports
	return __webpack_require__(__webpack_require__.s = "fb15");

var Symbol = require('./_Symbol');

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;

/**
 * Used to resolve the `toStringTag` of values.
 */
var nativeObjectToString = objectProto.toString;

/** Built-in value references. */
var symToStringTag = Symbol ? Symbol.toStringTag : undefined;

/**
 * A specialized version of `baseGetTag` which ignores
 * `Symbol.toStringTag` values.
 */
function getRawTag(value) {
  var isOwn = hasOwnProperty.call(value, symToStringTag),
      tag = value[symToStringTag];

  try {
    value[symToStringTag] = undefined;
    var unmasked = true;
  } catch (e) {}

  var result = nativeObjectToString.call(value);
  if (unmasked) {
    if (isOwn) {
      value[symToStringTag] = tag;
    } else {
      delete value[symToStringTag];
    }
  }
  return result;
}

module.exports = getRawTag;
```

```javascript
var LIBRARY = require('./_library');
var $export = require('./_export');
var redefine = require('./_redefine');
var hide = require('./_hide');
var Iterators = require('./_iterators');
var $iterCreate = require('./_iter-create');
var setToStringTag = require('./_set-to-string-tag');
var getPrototypeOf = require('./_object-gpo');
var ITERATOR = require('./_wks')('iterator');
var BUGGY = !([].keys && 'next' in [].keys()); // Safari has buggy iterators w/o `next`
var FF_ITERATOR = '@@iterator';
var KEYS = 'keys';
var VALUES = 'values';

var returnThis = function () { return this; };

module.exports = function (Base, NAME, Constructor, next, DEFAULT, IS_SET, FORCED) {
  $iterCreate(Constructor, NAME,
  next);
  var getMethod = function (kind) {
    if (!BUGGY && kind in proto) return proto[kind];
    switch (kind)
    {
      case KEYS: return function keys() { return new Constructor(this, kind); };
      case VALUES: return function values() { return new Constructor(this, kind); };
      case 'entries': return function entries() { return new Constructor(this, kind); };
    } return function entries() { return new Constructor(this, kind); };
  };
  var TAG = NAME + ' Iterator';
  var DEF_VALUES = DEFAULT == VALUES;

  // Plug for library
  Iterators[NAME] = returnThis;
  Iterators[TAG] = returnThis;
  if (IS_SET && $export) { redefine(Constructor, NAME, returnThis); }
  if (DEFAULT)
    if (typeof Symbol != 'undefined')
      redefine(Constructor, NAME, returnThis);
  // Plug for old engines
  if ($export)
    if (typeof Symbol != 'undefined')
      return new Constructor();

  return returnThis;
};

var isPrototype = require('./_isPrototype'),
    nativeKeys = require('./_nativeKeys');

/** Used for built-in method references. */
var objectProto = Object.prototype;
```
result
"\n";"\n".var root = require(\"./_root\");\n
stubFalse = require(\"./stubFalse\");\n\n/**
 * Checks if `value` is a buffer.
 * @static
 * @param {*} value
 * @returns {boolean} Returns `true` if `value` is a buffer, else `false`.
 * @example
 * _isBuffer(new Buffer(2));
 * // => true
 * _isBuffer(new Uint8Array(2));
 * // => false
 */

function _isBuffer(value) {
  return value && value.constructor && value.constructor.isBuffer && value
}

/**
 * The base implementation of `_.rest` which doesn't validate or coerce arguments.
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 * @returns {Function} Returns the new function.
 */

function baseRest(func, start) {
  return setToString(overRest(func, start, identity), func + '');
}

module.exports = baseRest;

/*!
 * jQuery JavaScript Library v3.3.1
 *
 * Includes Sizzle.js
 * https://sizzlejs.com/
 *
 * Copyright JS Foundation and other contributors
 * Released under the MIT license
 * https://jquery.org/license
 *
 * Date: 2018-01-20T17:24Z
 */
( function( global, factory ) {

	"use strict";

	if ( typeof module === "object" && typeof module.exports === "object" ) {

		// For CommonJS and CommonJS-like environments where a proper
		// `window` is present, execute the factory and get jQuery.
		// For environments that do not have a `window` with a
		// `document` and `window` objects, expose a factory as module.exports.
		// See https://github.com/jquery/jquery/blob/3.3.1/src/ 当前版本的 jQuery 源代码。


import mod from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/index.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbeddableFooter.vue?vue&type=style&index=0&id=36cb84e2&lang=scss&scoped=true&"; export default mod; export * from "-!../../node_modules/mini-css-extract-plugin/dist/loader.js??ref--8-oneOf-1-0!../../node_modules/css-loader/index.js??ref--8-oneOf-1-1!../../node_modules/vue-loader/lib/loaders/stylePostLoader.js!../../node_modules/postcss-loader/src/index.js??ref--8-oneOf-1-2!../../node_modules/sass-loader/index.js??ref--8-oneOf-1-3!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!./EmbeddableFooter.vue?vue&type=style&index=0&id=36cb84e2&lang=scss&scoped=true&"
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  744
null} if (postFinder) {null} else {
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stability

// Support: IE<8+ // Prevent attribute/property \`interpolation\`

!assert(function( el ) { return !!hasDuplicate; });

// Use default Value in place of getAttribute(\`value\`)\nif ( !supports.attributes || !assert(function( el ) { return el.getAttribute(\`value\`) === \"\"; } ) ) {
  \{\n    addHandle(\"\`\`\`, function( name, isXML ) { return name.toLowerCase() === \"id\" ? name.toLowerCase() : name; } );
  \}

// Support:
//IE<9
if ( !assert(function( el ) { return el.getAttribute(\`disabled\`) == null; } ) ) {
  addHandle(\"\`\`\`, function( elem, i, matches ) { return elem.nodeType === 3 || elem.nodeType === 8 || elem.nodeType === 10 || \n    ( elem.nodeType === 11 && !\n      ( i < matches.length - 2 || matches[i - 2] === null || matches[i - 1] == null || matches[i + 1] == null ) ) );
}

return Sizzle;

})( window );

jQuery.find = Sizzle;
jQuery.expr = Sizzle.selectors;

// Deprecated\njQuery.expr[\":\" ] = jQuery.expr.pseudos;
jQuery.uniqueSort = Sizzle.uniqueSort;
jQuery.text = Sizzle.getText;
jQuery.isXMLDoc = Sizzle.isXML;
jQuery.contains = Sizzle.contains;
jQuery.escapeSelector = Sizzle.escape;

fn matchesSelector( elem, expr ) { return jQuery.find.matches( expr, jQuery.grep( elem.getElementsByTagName(\"\`\`\`\`\`, elem.\[\`\`\`\`\`, 1, & elem.nodeName.toLowerCase() === elem.nodeName.toLowerCase() ) ) );
}

// Implement the identical functionality for filter and not
function(winnow( elements, qualifier, not ) {
  return this.pushStack( winnow( this, selector || [], false ) );
});
2.3.3.3.1

// https://promisesaplus.com/#point-57

// Re-resolve promises immediately to dodge

// Support: Promises/A+ section

// https://promisesaplus.com/#point-30

// Ignore double-resolution attempts

// depth < maxDepth

// Support: Promises/A+ section 2.3.1
// https://promisesaplus.com/#point-48

// Only check objects and functions for

// return (typeof returned === "object" ||
// returned.then;

// Handle a returned thenable

// resolve( maxDepth, deferred, Identity, special )

// Resolve the value(s)

// Only normal processors (resolve) also hook into progress

// ...and disregard older resolution

// Map tuples (progress, done, fail) to arguments (done, fail, process)


// deferred.resolve(function() { bind to newDefer or

// newDefer.resolve } )

// deferred.reject(function() { bind to newDefer or

// newDefer.reject })

// Map tuples (progress, done, fail) to arguments (done, fail, process)
false rejection from\n\t\t\t\t\t\t\t// subsequent errors\n\t\t\t\t\t\t\tif ( depth ) {\n\t\t\t\t\t\t\t\tprocess();\n\t\t\t\t\t\t\t} else
{\n\n\t\t\t\t\t\t\t\t// Call an optional hook to record the stack, in case of exception\n\t\t\t\t\t\t\t\t// since it's otherwise
lost when execution goes async\n\t\t\t\t\t\t\t\tif ( jQuery.Deferred.getStackHook ) {\n\t\t\t\t\t\t\t\t\tprocess.stackTrace
= jQuery.Deferred.getStackHook();\n\t\t\t\t\t\t\t\t}\n\t\t\t\t\t\t\t\twindow.setTimeout( process
);\n\t\t\t\t\t\t\t}\n\t\t\t\t\t\t};\n\t\t\t\t\t}\n\n\t\t\t\t\treturn jQuery.Deferred( function( newDefer ) {\n\n\t\t\t\t\t\t//
progress_handlers.add( ... )\n\t\t\t\t\t\ttuples[ 0 ][ 3
].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction( onProgress )
?\n\t\t\t\t\t\t\t\t\tonProgress
:\n\t\t\t\t\t\t\t\t\tIdentity,\n\t\t\t\t\t\t\t\tnewDefer.notifyWith\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\n\t\t\t\t\t\t//
fulfilled_handlers.add( ... )\n\t\t\t\t\t\ttuples[ 1 ][ 3
].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction( onFulfilled )
?\n\t\t\t\t\t\t\t\t\tonFulfilled :\n\t\t\t\t\t\t\t\t\tIdentity\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\n\t\t\t\t\t\t// rejected_handlers.add( ...
)\n\t\t\t\t\t\ttuples[ 2 ][ 3 ].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction(
onRejected ) ?\n\t\t\t\t\t\t\t\t\tonRejected :\n\t\t\t\t\t\t\t\t\tThrower\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\t\t\t\t\t}
).promise();\n\t\t\t\t},\n\n\t\t\t\t// Get a promise for this deferred\n\t\t\t\t// If obj is provided, the promise aspect is
added to the object\n\t\t\t\tpromise: function( obj ) {\n\t\t\t\t\treturn obj != null ? jQuery.extend( obj, promise ) :
promise;\n\t\t\t\t}\n\t\t\t},\n\t\t\tdeferred = {};\n\n\t\t// Add list-specific methods\n\t\tjQuery.each( tuples, function( i,
tuple ) {\n\t\t\tvar list = tuple[ 2 ],\n\t\t\t\tstateString = tuple[ 5 ];\n\n\t\t\t// promise.progress = list.add\n\t\t\t//
promise.done = list.add\n\t\t\t// promise.fail = list.add\n\t\t\tpromise[ tuple[ 1 ] ] = list.add;\n\n\t\t\t// Handle
state\n\t\t\tif ( stateString ) {\n\t\t\t\tlist.add(\n\t\t\t\t\tfunction() {\n\n\t\t\t\t\t\t// state = \"resolved\" (i.e.,
fulfilled)\n\t\t\t\t\t\t// state = \"rejected\"\n\t\t\t\t\t\tstate = stateString;\n\t\t\t\t\t},\n\n\t\t\t\t\t//
rejected_callbacks.disable\n\t\t\t\t\t// fulfilled_callbacks.disable\n\t\t\t\t\ttuples[ 3 - i ][ 2 ].disable,\n\n\t\t\t\t\t//
rejected_handlers.disable\n\t\t\t\t\t// fulfilled_handlers.disable\n\t\t\t\t\ttuples[ 3 - i ][ 3 ].disable,\n\n\t\t\t\t\t//
progress_callbacks.lock\n\t\t\t\t\ttuples[ 0 ][ 2 ].lock,\n\n\t\t\t\t\t// progress_handlers.lock\n\t\t\t\t\ttuples[ 0 ][ 3
].lock\n\t\t\t\t);\n\t\t\t}\n\n\t\t\t// progress_handlers.fire\n\t\t\t// fulfilled_handlers.fire\n\t\t\t//
rejected_handlers.fire\n\t\t\tlist.add( tuple[ 3 ].fire );\n\n\t\t\t// deferred.notify = function() { deferred.notifyWith(...)
}\n\t\t\t// deferred.resolve = function() { deferred.resolveWith(...) }\n\t\t\t// deferred.reject = function() {
deferred.rejectWith(...) }\n\t\t\tdeferred[ tuple[ 0 ] ] = function() {\n\t\t\t\tdeferred[ tuple[ 0 ] + \"With\" ]( this ===
deferred ? undefined : this, arguments );\n\t\t\t\treturn this;\n\t\t\t};\n\n\t\t\t// deferred.notifyWith =
list.fireWith\n\t\t\t// deferred.resolveWith = list.fireWith\n\t\t\t// deferred.rejectWith = list.fireWith\n\t\t\tdeferred[
tuple[ 0 ] + \"With\" ] = list.fireWith;\n\t\t} );\n\n\t\t// Make the deferred a promise\n\t\tpromise.promise( deferred
);\n\n\t\t// Call given func if any\n\t\tif ( func ) {\n\t\t\tfunc.call( deferred, deferred );\n\t\t}\n\n\t\t// All
done!\n\t\treturn deferred;\n\t},\n\n\t// Deferred helper\n\twhen: function( singleValue ) {\n\t\tvar\n\n\t\t\t// count of
uncompleted subordinates\n\t\t\tremaining = arguments.length,\n\n\t\t\t// count of unprocessed arguments\n\t\t\ti =
remaining,\n\n\t\t\t// subordinate fulfillment data\n\t\t\tresolveContexts = Array( i ),\n\t\t\tresolveValues = slice.call(
arguments ),\n\n\t\t\t// the master Deferred\n\t\t\tmaster = jQuery.Deferred(),\n\n\t\t\t// subordinate callback
factory\n\t\t\tupdateFunc = function( i ) {\n\t\t\t\treturn function( value ) {\n\t\t\t\t\tresolveContexts[ i ] =
this;\n\t\t\t\t\tresolveValues[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;\n\t\t\t\t\tif ( !( --remaining ) )
{\n\t\t\t\t\t\tmaster.resolveWith( resolveContexts, resolveValues );\n\t\t\t\t\t}\n\t\t\t\t};\n\t\t\t};\n\n\t\t// Single- and
empty arguments are adopted like Promise.resolve\n\t\tif ( remaining <= 1 ) {\n\t\t\tadoptValue( singleValue,
master.done( updateFunc( i ) ).resolve, master.reject,\n\t\t\t\t!remaining );\n\n\t\t\t// Use .then() to unwrap secondary
thenables (cf. gh-3000)\n\t\t\tif ( master.state() === \"pending\" ||\n\t\t\t\tisFunction( resolveValues[ i ] &&
resolveValues[ i ].then ) ) {\n\n\t\t\t\treturn master.then();\n\t\t\t}\n\t\t}\n\n\t\t// Multiple arguments are aggregated
like Promise.all array elements\n\t\twhile ( i-- ) {\n\t\t\tadoptValue( resolveValues[ i ], updateFunc( i ), master.reject
);\n\t\t}\n\n\t\treturn master.promise();\n\t}\n} );\n\n\n// These usually indicate a programmer mistake during
development,\n// warn about them ASAP rather than swallowing them by default.\nvar rerrorNames =
/^(Eval|Internal|Range|Reference|Syntax|Type|URI)Error$/;\n\njQuery.Deferred.exceptionHook = function( error,
stack ) {\n\n\t// Support: IE 8 - 9 only\n\t// Console exists when dev tools are open, which can happen at any

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if ( window.console && window.console.warn && error && rerrorNames.test( error.name ) ) {
window.console.warn( "jQuery.Deferred exception: " + error.message, error.stack);
}

jQuery.readyException = function( error ) {
window.setTimeout( function() {
throw error;
} );
}

var readyList = jQuery.Deferred();

jQuery.fn.ready = function( fn ) {
readyList
.then( fn )
.catch( function( error ) {
jQuery.readyException( error );
});

return this;
}

jQuery.extend( {

isReady: false,

// A counter to track how many items to wait for before ready fires. See #6781
readyWait: 1,

// The deferred used on DOM ready
ready: function( wait ) {

if ( wait === true ? --jQuery.readyWait : jQuery.isReady ) {
return;
}

jQuery.isReady = true;

if ( wait !== true && --jQuery.readyWait > 0 ) {
return;
}

readyList.resolveWith( document, [ jQuery ] );
}
} );

jQuery.ready.then = readyList.then;

// Multifunctional method to get and set values of a collection
// The value/s can optionally be executed if it's a function
access = function( elems, fn, key, value, chainable, emptyGet, raw ) {
var i = 0,
len = elems.length,
bulk = key == null;

// Sets many values
if ( toType( key ) === "object" ) {
chainable = true;
for ( i in key ) {
access( elems, fn, i, key[ i ], true, emptyGet, raw );
}

// Sets one value
} else if ( value !== undefined ) {
chainable = true;
if ( !isFunction( value ) ) {
raw = true;
}
if ( bulk ) {
if ( fn ) {
for ( ; i < len; i++ ) {
fn( elems[ i ], key, raw ? value : value.call( elems[ i ], i, fn( elems[ i ], key ) ) );
}
}
}

if ( chainable ) {
return elems;
}

if ( bulk ) {
return fn.call( elems );
}

return len ? fn( elems[ 0 ], key ) : emptyGet;
};

// Matches dashed string for camelizing
rmsPrefix = /^-ms-/,
rdashAlpha = /-(\[a-z\])/g;

// Used by camelCase as callback to replace()
fcamelCase = function( all, letter ) {
return letter.toUpperCase();
}

// Convert dashed to camelCase; used by the css and data modules
acceptData = function( owner ) {
if ( owner.nodeType === 1 || owner.nodeType === 9 || !( +owner.nodeType ) ) {
return true;
}

// If it is a node unlikely to be stringify-ed or looped over
if ( !createNodeValue( createAnonymousNode ) ) {
return false;
}

owner.nodeType = 1 || owner.nodeType === 9 || !(+owner.nodeType) || !owner.nodeName

// Can accept data for non-element nodes in modern browsers
if ( !createNodeValue( createAnonymousNode ) ) {
return false;
}

// We should not, see #8335
Always return an empty object
If it is a node unlikely to be stringify-ed or looped over
use plain assignment
else
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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  767
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 771

```
jQuery.event.special[ handleObj.origType ] || {} ).handle ||
						selector === "**" && handleObj.selector ) ) {
					handlers.splice( j, 1 );

					if ( handleObj.selector ) {
						handlers.delegateCount--;
					}
					if ( special.remove )
							special.remove.call( elem, handleObj.selector ||
						selector === "**" && &handleObj.selector ) ) {
					handlers.splice( j, 1 );

				if ( ( mappedTypes || origType === handleObj.origType ) &&
					( !handler || handler.guid ===
						tmp || tmp.test( handleObj.namespace ) ) &&
					( !selector || selector ===
					handlers.selector || [ "**" & &handleObj.selector ] ) ) {

					jQuery.event.remove( elem, type + types[ t ], ret, handled,

						jQuery.event.removeEvent( elem, type, elemData.handle )
						== false ) {
						jQuery.event.removeEvent( elem, type, elemData.handle )
						||
						events, t, handleObj,
						special, handlers, type, namespaces, origType,
						elemData =
					
dataPriv, hasData( elem ) & &data Priv.get( elem )
						( 'elemData' || ( events = elemData.events )

						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n						\n
src;
	}

// Put explicitly provided properties onto the event object
	if ( props ) {
		jQuery.extend( this, props );
	}

// Create a timestamp if incoming event doesn't have one
	this.timeStamp = src && src.timeStamp || Date.now();

// Mark it as fixed
	this.isDefaultPrevented = returnFalse;

// Include all common event props including KeyEvent and MouseEvent specific props
jQuery.each( {
	altKey: true,
	bubbles: true,

cancelable: true,

detail: true,

eventPhase: true,

targetTouches: true,

touches: true,
	"char": true,

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	"char": true,
elem.nodeType === 1) {
  return elem.innerHTML;
}

if ( typeof value === "string" && !rnoInnerhtml.test( value ) &&

  !wrapMap[ ( rt.tagName.exec( value ) || [ "", "" ] )[ 1 ] ] ) {

  value = jQuery.htmlPrefilter( value );

  try {
    for ( ; i < l; i++ ) {
      elem = this[ i ] || {};

      // Remove element nodes and
      // prevent memory leaks
      if ( elem.nodeType === 1 ) {
        jQuery.cleanData( getAll( elem, false ) );
        elem.innerHTML = value;
      }
    }

    elem = 0;

    // If using innerHTML
    // throws an exception, use the fallback method
  } catch ( e ) {}

  if ( elem ) {
    this.empty().append( value );
  }
},

replaceWith: function( ignored ) {
	var elems,
		ret = [],
		insert = jQuery( selector ),
		last = insert.length - 1,
		i = 0;

  for ( ; i <= last; i++ ) {
    elems = i === last ? this : this.clone( true );
    jQuery( insert[ i ] )[ original ]( elems );

    // Support: Android 4.0 - 4.3 only, Firefox <=3 - 44
    push.apply( ret, elems.get() );
  }

  return this.pushStack( ret );
};

jQuery.extend( support, { boxSizingReliable: function() {
  return support.boxSizingReliableVal;
},
  pixelBoxStyles: function() {
    return support.pixelBoxStylesVal;
  },
  pixelPosition: function() {
    return support.pixelPositionVal;
  },
  reliableMarginLeft: function() {
    return support.reliableMarginLeftVal;
  },
  clearCloneStyle: function() {
    return support.clearCloneStyle;
  } });

jQuery.each( { appendTo: "append",
  prependTo: "prepend",
  insertBefore: "before",
  insertAfter: "after",
  replaceWith: "replaceWith" }, function( name, original ) {
  jQuery.fn[ name ] = function( selector ) {
    var elems,
        ret = [],
        div = document.createElement( "div" ),
        original = jQuery( selector ),
        length = original.length - 1,
        i = 0;

    for ( ; i <= last; i++ ) {
      elems = i === last ? this : this.clone( true );
      original.eq( i ).clone( true )[ original[ i ] ];
    }

    return this.pushStack( ret );
  };
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function Tween( elem, options, prop, end, easing ) {
  return new Tween.prototype.init( elem, options, prop, end, easing );
}

function createFxNow() {
  return ( fxNow = Date.now() );
}

function defaultPrefilter( elem, props, opts ) {
  var prop, value, toggle, hooks, oldfire, propTween, restoreDisplay, display, isBox = /
  $(this).css( prop, value ).style.display; // Use a property on the element directly when it is not a DOM element.
}
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 781
jQuery.speed = function( speed, easing, fn ) {
	var opt = speed && typeof speed === "object" ?

	prefilter: function( callback, prepend ) {
		if ( prepend )
			Animation.tweeners[ prop ] || [];
			Animation.tweeners[ prop ].unshift( callback );
		}
	},

	prefilters: [

		for ( ; index < length; index++ ) {
			prop = props[ index ];
			Animation.tweeners[ prop ]

		var prop,
			index = 0,
			length =

		if ( isFunction( props ) ) {
			callback = props;
			props = [ "*" ];
		} else

		hooks = jQuery.cssHooks[ name ];
		if ( "expand" in hooks ) {
			value = hooks.expand( value );
		} else {

		animation = deferred.notifyWith( elem, [ animation, percent, remaining ] );

		// If there's more to do, yield
		if ( percent < 1 && length )

		// If this was an empty animation, synthesize a final progress

		// Reusing 'index' because we have the correct "name"
		for ( index in hooks ) {
			value = hooks.expand( value );
			delete props[ name ];

		// Not quite $.extend, this won't overwrite existing keys.
		// Reusing 'index' because we have the correct "name"
		// Not quite $.extend, this won't overwrite existing keys.
		// Reusing 'index' because we have the correct "name"
		// Not quite $.extend, this won't overwrite existing keys.
		// Reusing 'index' because we have the correct "name"
		// Not quite $.extend, this won't overwrite existing keys.
		// Reusing 'index' because we have the correct "name"
		// Not quite $.extend, this won't overwrite existing keys.
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```javascript
/*
\(\text{\textcopyright input\select\text{textarea\[button\]}}\)\n\n\text{\textcopyright jQuery.fn.extend( (\text{\textbf{\texttt{\textprop function( name, value ) }}) \\text{\texttt{\textprop access( this, jQuery.prop, name, value, arguments.length > 1 ) }}) \\text{\texttt{\textreturn this.each( function() \{ jQuery.prop( name, value ) \} ) \text{\texttt{\textdelete this[ jQuery.propFix[ name ] ] name \[ ] name \[ ] \textprop \]}}} \\text{\textprop {}}} \\text{\textprop {}}} \\text{\textprop \} \}} \\text{\textprop {}}} \\text{\textprop {}}
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handle.apply( cur, data );

if ( event.result === false ) {
				if ( event.result === false ) {
					event.preventDefault();
				}
			}
		event.type = type;

// If nobody prevented the default action, do it now
if ( event.result === false ) {
	event.preventDefault();
}

te[type] = type;

// If nobody prevented the default action, do it now
if ( onlyHandlers && !event.isDefaultPrevented() ) {
	event.preventDefault();
}

// Don't re-trigger an onFOO event when we call its FOO() method
var e = jQuery.extend( new jQuery.Event(), event );

var special = jQuery.event.special;

tooltipify( eventPath.pop(), data ) === false ) &

// Prevent re-triggering of the same event, since we already bubbled it above

// Piggyback on a donor event to simulate a different one
Used only for `focus(in | out)` events
Related ticket - https://bugzilla.mozilla.org/show_bug.cgi?id=687787

// Attach a single capturing handler on the document
while someone wants focusin/focusout
var handler = function( event ) {

tooltipify( event.target, jQuery.event.fix( event ) );
}

// Attach &/or teardown: function( orig, fix ) {

// Serialize array item.
jQuery.each( obj, function( i, v ) {

// Item is non-scalar (array or object), encode its numeric index.
buildParams( prefix + "[" + ( typeof v === "object" && v != null ? i : "" ) + "]", v,

// Serialize object item.
for ( name in obj ) {

// Serialize scalar item.
add( prefix, obj );

// Serialize an array of form elements or a set of\uoption values into a query string
jQuery.param = function( url, data ) {

// Cross-browser xml parsing
jQuery.parseXML = function( data ) {

// Crossdomain script loading
jQuery.isCrossDomain = function( url ) {

// Serialize a set of\uoption values into a query string
jQuery.param = function( url, data ) {

// Get the current URL
location = window.location;

var
	rbracket = /\[\[/g,
	rCRLF = /\r?\n/g,
	rsubmitterTypes = /^(?:submit|button|image|reset|file)$/i,
	rsubmittable = /^(?:input|select|textarea|keygen)$/i;

function buildParams( prefix, obj, traditional, add ) {

	// Serialize array item.
jQuery.each( obj, function( i, v ) { add( prefix + "[" + ( typeof v === "object" && v != null ? i : "" ) + "]", v );

	// Serialize object item.
for ( name in obj ) {

	// Serialize scalar item.
add( prefix, obj );

	// Serialize an array of form elements or a set of\uoption values into a query string
jQuery.param = function( url, data ) {

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for ( name in obj ) {

	// Serialize scalar item.
add( prefix, obj );

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	// Serialize object item.
for ( name in obj ) {

	// Serialize scalar item.
add( prefix, obj );

	// Serialize an array of form elements or a set of\uoption values into a query string
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// Get the current URL
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	rsubmitterTypes = /^(?:submit|button|image|reset|file)$/i,
	rsubmittable = /^(?:input|select|textarea|keygen)$/i;

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	// Serialize array item.
jQuery.each( obj, function( i, v ) { add( prefix + "[" + ( typeof v === "object" && v != null ? i : "" ) + "]", v );

	// Serialize object item.
for ( name in obj ) {

	// Serialize scalar item.
add( prefix, obj );

	// Serialize an array of form elements or a set of\uoption values into a query string
jQuery.param = function( url, data ) {

// Get the current URL
location = window.location;

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	rbracket = /\[\[/g,
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	rsubmitterTypes = /^(?:submit|button|image|reset|file)$/i,
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	// Serialize array item.
jQuery.each( obj, function( i, v ) { add( prefix + "[" + ( typeof v === "object" && v != null ? i : "" ) + "]", v );

	// Serialize object item.
for ( name in obj ) {

	// Serialize scalar item.
add( prefix, obj );

	// Serialize an array of form elements or a set of\uoption values into a query string
jQuery.param = function( url, data ) {

// Get the current URL
location = window.location;

var
	rbracket = /\[\[/g,
	rCRLF = /\r?\n/g,
	rsubmitterTypes = /^(?:submit|button|image|reset|file)$/i,
function( a, traditional ) {\n\tvar prefix,\n\t\ts = [],\n\t\tadd = function( key, valueOrFunction ) {\n\n\t\t\t// If value is
a function, invoke it and use its return value\n\t\t\tvar value = isFunction( valueOrFunction )
?\n\t\t\t\tvalueOrFunction() :\n\t\t\t\tvalueOrFunction;\n\n\t\t\ts[ s.length ] = encodeURIComponent( key ) + \"=\"
+\n\t\t\t\tencodeURIComponent( value == null ? \"\" : value );\n\t\t};\n\n\t// If an array was passed in, assume that it
is an array of form elements.\n\tif ( Array.isArray( a ) || ( a.jquery && !jQuery.isPlainObject( a ) ) ) {\n\n\t\t//
Serialize the form elements\n\t\tjQuery.each( a, function() {\n\t\t\tadd( this.name, this.value );\n\t\t} );\n\n\t} else
{\n\n\t\t// If traditional, encode the \"old\" way (the way 1.3.2 or older\n\t\t// did it), otherwise encode params
recursively.\n\t\tfor ( prefix in a ) {\n\t\t\tbuildParams( prefix, a[ prefix ], traditional, add );\n\t\t}\n\t}\n\n\t// Return
the resulting serialization\n\treturn s.join( \"&\" );\n};\n\njQuery.fn.extend( {\n\tserialize: function() {\n\t\treturn
jQuery.param( this.serializeArray() );\n\t},\n\tserializeArray: function() {\n\t\treturn this.map( function() {\n\n\t\t\t//
Can add propHook for \"elements\" to filter or add form elements\n\t\t\tvar elements = jQuery.prop( this,
\"elements\" );\n\t\t\treturn elements ? jQuery.makeArray( elements ) : this;\n\t\t} )\n\t\t.filter( function() {\n\t\t\tvar
type = this.type;\n\n\t\t\t// Use .is( \":disabled\" ) so that fieldset[disabled] works\n\t\t\treturn this.name && !jQuery(
this ).is( \":disabled\" ) &&\n\t\t\t\trsubmittable.test( this.nodeName ) && !rsubmitterTypes.test( type ) &&\n\t\t\t\t(
this.checked || !rcheckableType.test( type ) );\n\t\t} )\n\t\t.map( function( i, elem ) {\n\t\t\tvar val = jQuery( this
).val();\n\n\t\t\tif ( val == null ) {\n\t\t\t\treturn null;\n\t\t\t}\n\n\t\t\tif ( Array.isArray( val ) ) {\n\t\t\t\treturn
jQuery.map( val, function( val ) {\n\t\t\t\t\treturn { name: elem.name, value: val.replace( rCRLF, \"\\r\\n\" )
};\n\t\t\t\t} );\n\t\t\t}\n\n\t\t\treturn { name: elem.name, value: val.replace( rCRLF, \"\\r\\n\" ) };\n\t\t} ).get();\n\t}\n}
);\n\n\nvar\n\tr20 = /%20/g,\n\trhash = /#.*$/,\n\trantiCache = /([?&])_=[^&]*/,\n\trheaders = /^(.*?):[
\\t]*([^\\r\\n]*)$/mg,\n\n\t// #7653, #8125, #8152: local protocol detection\n\trlocalProtocol = /^(?:about|app|appstorage|.+-extension|file|res|widget):$/,\n\trnoContent = /^(?:GET|HEAD)$/,\n\trprotocol = /^\\/\\//,\n\n\t/*
Prefilters\n\t * 1) They are useful to introduce custom dataTypes (see ajax/jsonp.js for an example)\n\t * 2) These
are called:\n\t * - BEFORE asking for a transport\n\t * - AFTER param serialization (s.data is a string if
s.processData is true)\n\t * 3) key is the dataType\n\t * 4) the catchall symbol \"*\" can be used\n\t * 5) execution
will start with transport dataType and THEN continue down to \"*\" if needed\n\t */\n\tprefilters = {},\n\n\t/*
Transports bindings\n\t * 1) key is the dataType\n\t * 2) the catchall symbol \"*\" can be used\n\t * 3) selection will
start with transport dataType and THEN go to \"*\" if needed\n\t */\n\ttransports = {},\n\n\t// Avoid comment-prolog
char sequence (#10098); must appease lint and evade compression\n\tallTypes = \"*/\".concat( \"*\" ),\n\n\t// Anchor
tag for parsing the document origin\n\toriginAnchor = document.createElement( \"a\" );\n\toriginAnchor.href =
location.href;\n\n// Base \"constructor\" for jQuery.ajaxPrefilter and jQuery.ajaxTransport\nfunction
addToPrefiltersOrTransports( structure ) {\n\n\t// dataTypeExpression is optional and defaults to \"*\"\n\treturn
function( dataTypeExpression, func ) {\n\n\t\tif ( typeof dataTypeExpression !== \"string\" ) {\n\t\t\tfunc =
dataTypeExpression;\n\t\t\tdataTypeExpression = \"*\";\n\t\t}\n\n\t\tvar dataType,\n\t\t\ti = 0,\n\t\t\tdataTypes =
dataTypeExpression.toLowerCase().match( rnothtmlwhite ) || [];\n\n\t\tif ( isFunction( func ) ) {\n\n\t\t\t// For each
dataType in the dataTypeExpression\n\t\t\twhile ( ( dataType = dataTypes[ i++ ] ) ) {\n\n\t\t\t\t// Prepend if
requested\n\t\t\t\tif ( dataType[ 0 ] === \"+\" ) {\n\t\t\t\t\tdataType = dataType.slice( 1 ) || \"*\";\n\t\t\t\t\t( structure[
dataType ] = structure[ dataType ] || [] ).unshift( func );\n\n\t\t\t\t// Otherwise append\n\t\t\t\t} else {\n\t\t\t\t\t(
structure[ dataType ] = structure[ dataType ] || [] ).push( func );\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t};\n}\n\n// Base inspection
function for prefilters and transports\nfunction inspectPrefiltersOrTransports( structure, options, originalOptions,
jqXHR ) {\n\n\tvar inspected = {},\n\t\tseekingTransport = ( structure === transports );\n\n\tfunction inspect(
dataType ) {\n\t\tvar selected;\n\t\tinspected[ dataType ] = true;\n\t\tjQuery.each( structure[ dataType ] || [],
function( _, prefilterOrFactory ) {\n\t\t\tvar dataTypeOrTransport = prefilterOrFactory( options, originalOptions,
jqXHR );\n\t\t\tif ( typeof dataTypeOrTransport === \"string\" &&\n\t\t\t\t!seekingTransport && !inspected[
dataTypeOrTransport ] ) {\n\n\t\t\t\toptions.dataTypes.unshift( dataTypeOrTransport );\n\t\t\t\tinspect(
dataTypeOrTransport );\n\t\t\t\treturn false;\n\t\t\t} else if ( seekingTransport ) {\n\t\t\t\treturn !( selected =
dataTypeOrTransport );\n\t\t\t}\n\t\t} );\n\t\treturn selected;\n\t}\n\n\treturn inspect( options.dataTypes[ 0 ] ) ||
!inspected[ \"*\" ] && inspect( \"*\" );\n}\n\n// A special extend for ajax options\n// that takes \"flat\" options (not to
be deep extended)\n// Fixes #9887\nfunction ajaxExtend( target, src ) {\n\tvar key, deep,\n\t\tflatOptions =

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792
if ( xhr.readyState === 4 ) {
    // Allow onerror to be called first,
    // but that
    if ( xhr.onabort !== undefined ) {
        xhr.onabort = errorCallback;
    } else {
        xhr.onreadystatechange = function() {
            // Check readyState before timeout as it
            // uncaught aborts
            if ( typeof xhr.responseText !== "string" ) {
                var headers = xhr.getAllResponseHeaders();
                // Support: IE <=9 only
                // Use onreadystatechange to replace onabort
                // to handle
                xhr.onload = callback();
                xhr.onerror = xhr.ontimeout = function( selector ) {
                    $.jqXHR( this ).each( function( i ) {
                        $( this ).unwrapInner( html.call( this, i ) )
                    });
                };  
                xhr.status = 0;  
                xhr.statusText = "error";
                complete( 0, "error" );
            } else if ( type === "error" ) {
                // For XHR2 non-text, let the caller handle it (gh-
                // 2498)
                complete( xhrSuccessStatus[ xhr.status ] ||
                         xhr.responseText ||
                         xhr.statusTextTextText, xhr.statusTextTextText, null, true )
            } else if ( type === "abort" ) {
                // On a manual native abort, IE9 throws
                // errors on any property access that is not
                // readyState
                complete( 0, "error" );
            } else {
                self.append( html );
            }
        }();  
        navar( xhrSuccessStatus );
    }
}

will not handle a native abort\n\t\t\t\t\t\t\t// Also, save errorCallback to a variable\n\t\t\t\t\t\t\t// as xhr.onerror cannot
be accessed\n\t\t\t\t\t\t\twindow.setTimeout( function() {\n\t\t\t\t\t\t\t\tif ( callback )
{\n\t\t\t\t\t\t\t\t\terrorCallback();\n\t\t\t\t\t\t\t\t}\n\t\t\t\t\t\t\t} );\n\t\t\t\t\t\t}\n\t\t\t\t\t};\n\t\t\t\t}\n\n\t\t\t\t// Create the
abort callback\n\t\t\t\tcallback = callback( \"abort\" );\n\n\t\t\t\ttry {\n\n\t\t\t\t\t// Do send the request (this may raise
an exception)\n\t\t\t\t\txhr.send( options.hasContent && options.data || null );\n\t\t\t\t} catch ( e ) {\n\n\t\t\t\t\t//
#14683: Only rethrow if this hasn't been notified as an error yet\n\t\t\t\t\tif ( callback ) {\n\t\t\t\t\t\tthrow
e;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t},\n\n\t\t\tabort: function() {\n\t\t\t\tif ( callback )
{\n\t\t\t\t\tcallback();\n\t\t\t\t}\n\t\t\t}\n\t\t};\n\t}\n} );\n\n\n\n\n// Prevent auto-execution of scripts when no explicit
dataType was provided (See gh-2432)\njQuery.ajaxPrefilter( function( s ) {\n\tif ( s.crossDomain )
{\n\t\ts.contents.script = false;\n\t}\n} );\n\n// Install script dataType\njQuery.ajaxSetup( {\n\taccepts: {\n\t\tscript:
\"text/javascript, application/javascript, \" +\n\t\t\t\"application/ecmascript, application/xecmascript\"\n\t},\n\tcontents: {\n\t\tscript: /\\b(?:java|ecma)script\\b/\n\t},\n\tconverters: {\n\t\t\"text script\":
function( text ) {\n\t\t\tjQuery.globalEval( text );\n\t\t\treturn text;\n\t\t}\n\t}\n} );\n\n// Handle cache's special case
and crossDomain\njQuery.ajaxPrefilter( \"script\", function( s ) {\n\tif ( s.cache === undefined ) {\n\t\ts.cache =
false;\n\t}\n\tif ( s.crossDomain ) {\n\t\ts.type = \"GET\";\n\t}\n} );\n\n// Bind script tag hack
transport\njQuery.ajaxTransport( \"script\", function( s ) {\n\n\t// This transport only deals with cross domain
requests\n\tif ( s.crossDomain ) {\n\t\tvar script, callback;\n\t\treturn {\n\t\t\tsend: function( _, complete )
{\n\t\t\t\tscript = jQuery( \"<script>\" ).prop( {\n\t\t\t\t\tcharset: s.scriptCharset,\n\t\t\t\t\tsrc: s.url\n\t\t\t\t}
).on(\n\t\t\t\t\t\"load error\",\n\t\t\t\t\tcallback = function( evt ) {\n\t\t\t\t\t\tscript.remove();\n\t\t\t\t\t\tcallback =
null;\n\t\t\t\t\t\tif ( evt ) {\n\t\t\t\t\t\t\tcomplete( evt.type === \"error\" ? 404 : 200, evt.type
);\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t);\n\n\t\t\t\t// Use native DOM manipulation to avoid our domManip AJAX
trickery\n\t\t\t\tdocument.head.appendChild( script[ 0 ] );\n\t\t\t},\n\t\t\tabort: function() {\n\t\t\t\tif ( callback )
{\n\t\t\t\t\tcallback();\n\t\t\t\t}\n\t\t\t}\n\t\t};\n\t}\n} );\n\n\n\n\nvar oldCallbacks = [],\n\trjsonp =
/(=)\\?(?=&|$)|\\?\\?/;\n\n// Default jsonp settings\njQuery.ajaxSetup( {\n\tjsonp: \"callback\",\n\tjsonpCallback:
function() {\n\t\tvar callback = oldCallbacks.pop() || ( jQuery.expando + \"_\" + ( nonce++ ) );\n\t\tthis[ callback ] =
true;\n\t\treturn callback;\n\t}\n} );\n\n// Detect, normalize options and install callbacks for jsonp
requests\njQuery.ajaxPrefilter( \"json jsonp\", function( s, originalSettings, jqXHR ) {\n\n\tvar callbackName,
overwritten, responseContainer,\n\t\tjsonProp = s.jsonp !== false && ( rjsonp.test( s.url ) ?\n\t\t\t\"url\"
:\n\t\t\ttypeof s.data === \"string\" &&\n\t\t\t\t( s.contentType || \"\" )\n\t\t\t\t\t.indexOf( \"application/x-www-formurlencoded\" ) === 0 &&\n\t\t\t\trjsonp.test( s.data ) && \"data\"\n\t\t);\n\n\t// Handle iff the expected data type is
\"jsonp\" or we have a parameter to set\n\tif ( jsonProp || s.dataTypes[ 0 ] === \"jsonp\" ) {\n\n\t\t// Get callback
name, remembering preexisting value associated with it\n\t\tcallbackName = s.jsonpCallback = isFunction(
s.jsonpCallback ) ?\n\t\t\ts.jsonpCallback() :\n\t\t\ts.jsonpCallback;\n\n\t\t// Insert callback into url or form
data\n\t\tif ( jsonProp ) {\n\t\t\ts[ jsonProp ] = s[ jsonProp ].replace( rjsonp, \"$1\" + callbackName );\n\t\t} else if (
s.jsonp !== false ) {\n\t\t\ts.url += ( rquery.test( s.url ) ? \"&\" : \"?\" ) + s.jsonp + \"=\" +
callbackName;\n\t\t}\n\n\t\t// Use data converter to retrieve json after script execution\n\t\ts.converters[ \"script
json\" ] = function() {\n\t\t\tif ( !responseContainer ) {\n\t\t\t\tjQuery.error( callbackName + \" was not called\"
);\n\t\t\t}\n\t\t\treturn responseContainer[ 0 ];\n\t\t};\n\n\t\t// Force json dataType\n\t\ts.dataTypes[ 0 ] =
\"json\";\n\n\t\t// Install callback\n\t\toverwritten = window[ callbackName ];\n\t\twindow[ callbackName ] =
function() {\n\t\t\tresponseContainer = arguments;\n\t\t};\n\n\t\t// Clean-up function (fires after
converters)\n\t\tjqXHR.always( function() {\n\n\t\t\t// If previous value didn't exist - remove it\n\t\t\tif ( overwritten
=== undefined ) {\n\t\t\t\tjQuery( window ).removeProp( callbackName );\n\n\t\t\t// Otherwise restore preexisting
value\n\t\t\t} else {\n\t\t\t\twindow[ callbackName ] = overwritten;\n\t\t\t}\n\n\t\t\t// Save back as free\n\t\t\tif ( s[
callbackName ] ) {\n\n\t\t\t\t// Make sure that re-using the options doesn't screw things
around\n\t\t\t\ts.jsonpCallback = originalSettings.jsonpCallback;\n\n\t\t\t\t// Save the callback name for future
use\n\t\t\t\toldCallbacks.push( callbackName );\n\t\t\t}\n\n\t\t\t// Call if it was a function and we have a
response\n\t\t\tif ( responseContainer && isFunction( overwritten ) ) {\n\t\t\t\toverwritten( responseContainer[ 0 ]
);\n\t\t\t}\n\n\t\t\tresponseContainer = overwritten = undefined;\n\t\t} );\n\n\t\t// Delegate to script\n\t\treturn

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Support: Safari 8 only

In Safari 8 documents created via document.implementation.createHTMLDocument() will collapse sibling forms: the second one becomes a child of the first one.

Because of that, this security measure has to be disabled in Safari 8.

https://bugs.webkit.org/show_bug.cgi?id=137337

```
function( body ) {
    body.innerHTML = "<form></form><form></form>";
    return body.childNodes.length === 2;
}();
```
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```javascript
function( method, prop ) {
  return jQuery( method + "Offset" ).addBack( method ).offset();
}
```

This corresponds to the behavior of CSS absolute positioning:

1. A statically positioned element is identified when the document origin.
2. A window.Origin Offset is relative to the viewport origin.
3. A window.Origin Offset is absolute.

For the element inside the iframe without offsetParent, this method will return documentElement in the following cases:

1. If the element is inside the iframe without offsetParent, this method will return documentElement of the parent window.
2. If the hidden or detached element is disconnected node in IE throws an error.
3. If the body or html element, i.e. in case of the html node - it will return itself.
4. For abstract uses-cases and might be considered as more preferable results.


This corresponds to the behavior of CSS absolute positioning:

1. If the element is identified when the document origin.
2. For the element inside the iframe without offsetParent, this method will return documentElement in the following cases:
3. If the hidden or detached element is disconnected node in IE throws an error.

here:

jQuery.each(["top", "left"], function(i, prop) {
  jQuery.extend({
    top: jQuery.css(elem, prop, true),
    left: jQuery.css(elem, prop, true)
  };
});

// Add get hooks for every pixel position property
jQuery.each(["top", "left"], function(i, prop) {
  jQuery.cssHooks[prop] = addGetHookIf(
    support.pixelPosition, function(elem, computed) {
      return computed === curCSS(elem, prop);
    }, function(elem, computed) {
      // If curCSS returns percentage, fallback to offset
      return jQuery.offset(elem)[prop] + "px";
    });
});

// Define innerHeight, innerWidth, height, width, outerHeight and outerWidth
jQuery.each({
  Height: "height",
  Width: "width"
}, function(name, type) {
  jQuery.each({
    padding: "inner" + name, content: type, "": "outer" + name
  }, function(definition, type, name) {
    jQuery.each({
      get: function(definition) {
        return jQuery.style(elem, type, definition.name, true);
      },
      set: function(definition) {
        jQuery.css(elem, type, definition.name, true);
      }
    }, function(definition, method) {
      // Get or set contents or padding or borders
      jQuery.fn[name] = function( value ) {
        if ( value === undefined ) {
          return jQuery.style(elem, type, definition.name, true);
        }
        return method.call(this, value);
      };
    });
  });
});

// Handle event binding
jQuery.fn["hover"] = function(over, out) {
  return this.each(function() {
    jQuery╰» addListener(this, "mouseenter", over);
    jQuery╰» addListener(this, "mouseleave", out);
  });
};

// Bind a function to a context, optionally partially applying any
// arguments.
//
// jQuery.proxy is deprecated to promote standards (specifically
// Function#bind)
// However, it is not slated for removal any time soon
jQuery.proxy = function(f, context) {
  var tmp, args, proxy;

  if (typeof context === "string") {
    tmp = f[context];
    context = f;
    f = tmp;
  }

  if (typeof f !== "function") {
    return undefined;
  }

  // Simulated bind
  args = slice.call(arguments, 2);
  proxy = function() {
    return f.apply(context || this, args.concat(slice.call(arguments)));
  };

  // Set the guid of unique handler to the same of original handler, so it can be removed
  proxy.guid = f.guid = f.guid || jQuery.guid++;

  return proxy;
};

// Set the guid of unique handler to the same of original handler, so it can be removed
jQuery.isFunction = function(obj) {
  return typeof obj === "function";
};

// Simulated bind
targs = slice.call(arguments, 2);
proxy = function() {
  return f.apply(context || this, args.concat(slice.call(arguments)));
};

// Set the guid of unique handler to the same of original handler, so it can be removed
jQuery.proxy = function(f, context) {
  return jQuery.proxy(f, context); // jQuery.fn.proxy is deprecated
};

jQuery.isNumeric = function(o) {
  return !isNaN(parseFloat(o));
};

// As of jQuery 3.0, isNumeric is limited to strings and numbers (primitives or objects)
// that can be coerced to finite numbers (gh-2662)
type = jQuery.type(obj);
return (type === "number" || type === "string")
            && jQuery.isNumeric(encodeURIComponent(type));
}

// but misinterprets leading-number strings, particularly
// hex literals ("0x...")
// substitution forces infinities to NaN

// Register as a named AMD module, since jQuery can be concatenated with other
// files that may use define, but not
via a proper concatenation script that
understands anonymous AMD modules. A named AMD is safest and most
robust in use because AMD module names are
derived from file names, and jQuery is normally delivered in a
case-sensitive file name. This is why jQuery
is a special case. For more information, see
https://github.com/jrburke/requirejs/wiki/Updating-existing-libraries#anonymous

```javascript
var
	// Map over jQuery in case of overwrite
	_jQuery = window.jQuery,

toPrimitive = require(L._to-primitive);

function getOwnPropertyDescriptor(O, P) {
  O = toIObject(O);
  P = toPrimitive(P, true);
  if (IE8_DOM_DEFINE) try {
    return gOPD(O, P);
  } catch (e) { /* empty */ }
  if (has(O, P)) return createDesc(!pIE.f.call(O, P), O[P]);
}

exports.f = require(L._descriptors) ? gOPD : function getOwnPropertyDescriptor(O, P) {
  O = toIObject(O);
  P = toPrimitive(P, true);
  if (IE8_DOM_DEFINE) try {
    return gOPD(O, P);
  } catch (e) { /* empty */ }
  if (has(O, P)) return createDesc(!pIE.f.call(O, P), O[P]);
};
```

```javascript
/**
 * Checks if `value` is suitable for use as unique object key.
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is suitable, else `false`.
 */
function isKeyable(value) {
  var type = typeof value;
  return (type == 'string' || type == 'number' || type == 'symbol' || type == 'boolean')
    ? (value !== '__proto__')
    : (value === null);
}

module.exports = isKeyable;
```

```javascript
/**
 * Casts `value` to function if it's not.
 * @private
 * @param {*} value The value to inspect.
 * @returns {Function} Returns cast function.
 */
function castFunction(value) {
  return typeof value == 'function' ? value : identity;
}
```

```javascript
/**
 * Checks if `value` is object-like. A value is
 * object-like if it's not `null` and has a
 * `typeof` result of "object".
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is object-like, else `false`.
 */
function isObjectLike(value) {
  return value != null && typeof value == 'object';
}
```

```javascript
// data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAJ4AAACeCAYAAADDhbN7AAAABmJLR0QA
owA6AADnOD5/AAAACXBIWXMAAAsTAAALEwEAmpwYAAAAB3RJTUUH4QgLCggYIJ85zwAAABl0RVh0Q29tbWVudABDcmVhdGVkIHdpdGggR0lNUFeBDhcAAAfMSURBVHja7d1dUFTnHcfx3x4W2EVSFQQFj
```

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https://github.com/jrburke/requirejs/wiki/Updating-existing-libraries#anonymous

```javascript
function webpackContext(req) {
  var id = webpackContextResolve(req);
  return __webpack_require__(id);
}
function webpackContextResolve(req) {
  var id = map[req];
  if (id + 1) { // check for number or string
    var e = new Error("Cannot find module '" + req + "' + \
    window.$vineModule.exports = webpackContext
```
false.

* @example

* _.isObject({});
* // => true

* _.isObject(null);
* // => false

* _.isObject(_.noop);
* // => true

* function isObject(value) {
  var type = typeof value;
  return value != null && (type == 'object' || type == 'function');
}
```
baseEvery(collection, predicate) {
  var result = true;
  baseEach(collection, function(value, index, collection) {
    var result = !predicate(value, index, collection);
    return result;
  });
  return result;
}
```

```
module.exports = require('_an-object');
```

```
var getMapData = require('./_getMapData');
```

```
/**
 * Sets the map `key` to `value`.
 *
 * @private
 * @name set
 *
 * @memberOf Map
 * @param {string} key The key of the property to set.
 * @param {*} value The value to set.
 * @returns {object} Returns the map cache instance.
 */
function mapCacheSet(key, value) {
  var data = getMapData(this, key);
  this.size = data.size;
  var result = data.set(key, value);
  this.size += data.size == this.size ? 0 : 1;
  return this;
}
```

```
var compareAscending = require('./_compareAscending');
```

```
/* Built-in method references for those with the same name as other `lodash` methods. */
var nativeMax = Math.max;
```

```
function overRest(func, start, transform) {
  var index = nativeMax(start === undefined ? func.length - 1 : start, 0);
  var result = false;
  return result;
}
```

```
var apply = require('./_apply');
```

```
var compareMultiple = function() {
  var args = arguments,
      index = -1,
      length = nativeMax(args.length - start, 0);
  var array = Array(length);
  while (++index < length) {
    array[index] = args[start + index];
  }
  index = -1;
  var returnArgs = Array(start + 1);
  while (++index <
```
this.isNotBottom = true;
this.isBottom = false;
if (this.isPinned) {
  this.isPinned = true;
  this.isUnpinned = false;
  this.onNotBottom && this.onNotBottom();
  this.translate = 0;
  setTimeout(function () {
    this.state = 'pinned';
    this.onPinned && this.onPinned();
  }, 0);
}
this.unpin = function unpin() {
  var _this2 = this;
  if (this.isPinned || !this.isUnpinned) {
    this.isUnpinned = true;
    this.isPinned = false;
    this.onUnpin && this.onUnpin();
    this.$emit('unpin');
    this.translate = this.footroom ? '100%' : '-100%';
    setTimeout(function () {
      _this2.state = 'unpinned';
    }, 0);
  }
}

var install = function install(Vue) {
  if (install.installed) {
    return;
  }
  Vue.component(headroom.name, headroom);
}

if (typeof window !== 'undefined' && window.Vue) {
  install(window.Vue);
}

var index = {
  headroom: headroom,
  install: install
};

return index;
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

```javascript
exports.features = {};

/**
 * Gets the last element of `array`.
 *
 * @static
 * @memberOf _
 *
 * @since 0.1.0
 * @category Array
 * @param {Array} array The array to query.
 * @returns {*} Returns the last
element of `array`.
 * @example
 * array[3] = 'three';
 * _.last(array);
 * // => 'three'
 */
function last(array) {
  var length = array == null ? 0 : array.length;
  return length ? array[length - 1] : undefined;
}

module.exports = last;

var baseForOwn = require('./_baseForOwn'),
    createBaseEach = require('./_createBaseEach');

/**
 * The base implementation of `_.forEach` without support for iteratee
 * shorthands.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per
 * iteration.
 * @returns {Array|Object} Returns `collection`.
 */
var baseEach = createBaseEach(baseForOwn);

module.exports = baseEach;

var baseFlatten = require('./_baseFlatten');

/**
 * Flattens `array` a single level deep.
 *
 * @static
 * @memberOf _
 *
 * @since 0.1.0
 * @category Array
 * @param {Array} array The array to flatten.
 * @returns {Array} Returns
the new flattened array.
 * @example
 *
 * _.flatten([1, [2, [3, [4]]], 5]);
 * // => [1, 2, 3, 4, 5]
 */
function flatten(array) {
  var length = array == null ? 0 : array.length;
  return length ? baseFlatten(array, 1) :
    [];
}

module.exports = flatten;

/**
 * The base implementation of `_.times` without support for iteratee
 * shorthands.
 *
 * @private
 * @param {number} n The number of times to
 * invoke `iteratee`.
 * @param {Function} iteratee The function invoked per
 * iteration.
 * @returns {Array} Returns
the array of results.
 */
function baseTimes(n, iteratee) {
  var index = -1,
      result = Array(n);

  while (++index < n) {
    result[index] = iteratee(index);
  }
  return result;
}

module.exports = baseTimes;
```

/*!
 * vue-social-sharing v2.3.3 
 * (c) 2017 nicolasbeauvais
 * Released under the MIT
License.
 */
'use strict';

function _interopDefault (ex) { return (ex && (typeof ex === 'object') && 'default' in
ex) ? ex['default'] : ex; }

var Vue = _interopDefault(require('vue'));

var SocialSharingNetwork = {
  functional: true,
  props: {
    network: {
      type: String,
      default: ''
    }
  },

  render: function
```
**/ **

baseNetworks:

### Popup settings

@param network Social network key

* Returns generated sharer url

* @param object

* @param network Social network key

*createSharingUrl:

function createSharingUrl (network) { return this.baseNetworks[network].sharer.replace(/@url/g, encodeURIComponent(this.url)).replace(/@title/g, encodeURIComponent(this.title)).replace(/@description/g, encodeURIComponent(this.description)).replace(/@quote/g, encodeURIComponent(this.quote)).replace(/@hashtags/g, this.hashtags).replace(/@media/g, this.media).replace(/@twiteruser/g, this.twitterUser ? '&via=' + this.twitterUser : ''); }

* Touches network and emits click event

* * * * * * * * * * *

* Opens sharer popup

* * * * * * * * * * *

* Center the popup on dual screens

* * * * * * * * * * *

* Merge base networks with user's list

* * * * * * * * * * *

* Creates a popup interval

* * * * * * * * * * *

* if (this.popup.window && this.popup.interval) {

***

* Touches network and emits click event

* * * * * * * * * * *

* Opens sharer popup

* * * * * * * * * * *

* Opens a popup already exist it will be replaced, trigger a close event

function openSharer (network, url) {

var this$1 = this;

// If a popup window already exist it will be replaced, trigger a close event

this.popup.interval = setInterval(function () {

if (this$1.popup.window.close) {

this$1.popup.interval = clearInterval(this$1.popup.interval);

this$1.popup.window = undefined;

}

}

/*

*/

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function () {
    var value = promise._v;
    var unhandled = isUnhandled(promise);
    var result, handler, console;
    if (unhandled) {
      result = perform(function () {
        if (isNode) {
          process.emit('unhandledRejection', value, promise);
        } else if (handler = global.onunhandledrejection) {
          handler({ promise: promise, reason: value });
        } else if (isNode && console.error) {
          console.error('Unhandled promise rejection', value);
        }
      });
    }
    if (unhandled && result.e) throw result.v;
  });
};
var isUnhandled = function (promise) {
  return promise._h !== 1 && (promise._a || promise._c).length === 0;
};
var onHandleUnhandled = function (promise) {
  task.call(global, function () {
    var handler;
    if (isNode) {
      process.emit('rejectionHandled', promise);
    } else if (handler = global.onrejectionhandled) {
      handler({ promise: promise, reason: promise._v });
    }
  });
};
var $reject = function (value) {
  var promise = this;
  if (promise._d) return;
  promise._d = true;
  promise = promise._w || promise; // unwrap
  promise._v = value;
  promise._s = 2;
  if (promise._a) promise._a = promise._a.slice();
  notify(promise, true);
  var $resolve = function (value) {
    var promise = this;
    var then;
    if (promise._d) return;
    promise = promise._w || promise; // unwrap
    try {
      then = isThenable(value);
      microtask(function () {
        var wrapper = { _w: promise, _d: false }; // wrap
        try {
          then.call(value, ctx($resolve, wrapper, 1), ctx($reject, wrapper, 1));
        } catch (e) {
          $reject.call(wrapper, e);
        }
      });
    } catch (err) {
      $reject.call(this, err);
    }
  };
function (promise) { ... var core = require('./_core');
var global = require('./_global');
var SHARED = '__core-js_shared__';
var store = global[SHARED] ||
(new PromiseCapability(C));
var reject = capability.reject;
var result = perform(function () { ...
", "var function (promise) {
        var $index = index++;
        var alreadyCalled = false;
        values.push(undefined);
        remaining++;
        C.resolve(promise).then(function (value) {
          if (alreadyCalled) return;
          alreadyCalled = true;
          values[$index] = value;
          --remaining || resolve(values);
        }, reject);
      };
      --remaining || resolve(values);
    });
    if (result.e) reject(result.v);
    return capability.promise;
  },

// 25.4.4.4 Promise.race(iterable)
  race: function race(iterable) {
    var C = this;
    var capability =
    newPromiseCapability(C);
    var reject = capability.reject;
    var result = perform(function () {
      forOf(iterable, false, function (promise) {
        C.resolve(promise).then(capability.resolve, reject);
      });
    });
    if (result.e) reject(result.v);
    return capability.promise;
  }
});

/*
 * The base implementation of `_.reduce` and `_.reduceRight`, without support
 * for iteratee shorthands, which iterates over `collection` using `eachFunc`.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} accumulator The initial value.
 * @param {boolean} initAccum Specify using the first or last element of
 *  `collection` as the initial value.
 * @param {Function} eachFunc The function to iterate over `collection`.
 * @returns {*} Returns the accumulated value.

*/
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      accumulator = initAccum
        ? (initAccum = false, value)
        : iteratee(value, index, collection);
      return accumulator;
    });
    return accumulator;
  }

var Promise = require('./_promise');
var C = require('./_core').C;
var nativeKeys = overArg(Object.keys, Object);
var freeGlobal = typeof global == 'object' && global &&
  global.Object === Object && global;

module.exports = function (key, value) {
  return store[key] || (store[key] = value !==
  undefined ? value : {});
};

/**
 * Checks if a stack value for `key` exists.
 *
 * @private
 * @name has
 * @memberOf Stack
 * @param {string} key The key of the entry to
 * returns true if an entry for `{key}` exists, else false.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 * @param {string} key

function stackHas(key) {
  return this.__data__.has(key);
}

module.exports = stackHas;

var overArg = require('./_overArg');

var nativeKeys = overArg(Object.keys, Object);

module.exports = nativeKeys;

/**
 * The base implementation of `_.forEach` and `_.map` which iterates over `collection`
 * using `eachFunc` and either `_.forEachRight` or `_.mapRight` for right-to-left
 * iteration, respectively.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} eachFunc The function to iterate over `collection`.
 * @returns {Array|Object} Returns `collection`.

function baseEach(collection, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      eachFunc(value, index, collection);
      return value;
    });
    return collection;
  }

var baseEach = require('./_baseEach');

module.exports = baseEach;

var core = require('./_core');
var global = require('./_global');
var SHARED = '__core-js_shared__';
var store = global[SHARED] ||
(new PromiseCapability(C));
var reject = capability.reject;
var result = perform(function () {
  forOf(iterable, false, function (promise) {
    C.resolve(promise).then(capability.resolve, reject);
  });
});
if (result.e) reject(result.v);
return capability.promise;

// 25.4.4.4 Promise.race(iterable)
  race: function race(iterable) {
    var C = this;
    var capability =
    newPromiseCapability(C);
    var reject = capability.reject;
    var result = perform(function () {
      forOf(iterable, false, function (promise) {
        C.resolve(promise).then(capability.resolve, reject);
      });
    });
    if (result.e) reject(result.v);
    return capability.promise;
  }
});

(module.exports = function (key, value) {
  return store[key] || (store[key] = value !==
  undefined ? value : {});
});

/**
 * The base implementation of `_.forOwn` and `_.forOwnRight` which…
 */
function baseForOwn(collection, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      eachFunc(value, index, collection);
      return value;
    });
    return collection;
  }

var baseForOwn = require('./_baseForOwn');

module.exports = baseForOwn;

var Promise = require('./_promise');
var C = require('./_core').C;
var nativeKeys = overArg(Object.keys, Object);
var freeGlobal = typeof global == 'object' && global &&
  global.Object === Object && global;

module.exports = function (key, value) {
  return store[key] || (store[key] = value !==
  undefined ? value : {});
};

/**
 * The base implementation of `_.forIn` and `_.forInRight` which…
 */
function baseForIn(collection, eachFunc) {
  eachFunc(collection,
    function(value, key, collection) {
      eachFunc(value, key, collection);
      return value;
    });
    return collection;
  }

var baseForIn = require('./_baseForIn');

module.exports = baseForIn;

**/
iteratee(accumulator, value, index, collection);

function baseReduce(array, depth, predicate, isStrict, result) {
  // ... (baseReduce implementation)
}

function baseFlatten(array, depth, predicate, isStrict, result) {
  // ... (baseFlatten implementation)
}

function baseProto(type, name, source) {
  // ... (baseProto implementation)
}

function ListCache(entries) {
  // ... (ListCache implementation)
}

function $export({KEY, exec}) {
  // ... ($export implementation)
}

function getNative() {
  // ... (getNative implementation)
}
The key of the value to set. @param {*} value The value to set. @returns {Object} Returns the list cache instance.

```
function listCacheSet(key, value) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    ++this.size;
    data.push([key, value]);
  } else {
    data[index][1] = value;
  }

  return this;
}
```

Built-in value references. @param {Array} arrayProto = Array.prototype; @returns {Array} Returns the new sorted array.

```
function baseOrderBy(collection, iteratees, orders) {
  var index = -1;
  iteratees = arrayMap(iteratees.length ? iteratees : [identity], baseUnary(baseIteratee));

  var result = baseMap(collection, function(value, key, collection) {
    var criteria = arrayMap(iteratees, function(iteratee) {
      return iteratee(value);
    });
    return { 'criteria': criteria, 'index': ++index, 'value': value };
  });

  return baseSortBy(result, function(object, other) {
    return compareMultiple(object, other, orders);
  });
}
```

ToPrimitive(input[, PreferredType]) @param {string} S @returns {string} Returns the actual input.

```
function toString() {
  return $toString.call(this);
}
```

```javascript
var prefix = 'fab';
var iconName = 'twitter';
var width = 512;
var height = 512;
var ligatures = [];
var unicode = 'f099';
var svgPathData = 'M459.37 151.716c.325 4.548.325 9.097.325
```
module.exports = arrayLikeKeys;

...
ObjectTag = [object Object],
regexpTag = [object RegExp],
setTag = [object Set],
stringTag = [object String],
weakMapTag = [object WeakMap],

var arrayBufferTag = [object ArrayBuffer],
dataViewTag = [object DataView],
float32Tag = [object Float32Array],
float64Tag = [object Float64Array],
int8Tag = [object Int8Array],
int16Tag = [object Int16Array],
int32Tag = [object Int32Array],
uint8Tag = [object Uint8Array],
uint8ClampedTag = [object Uint8ClampedArray],
uint16Tag = [object Uint16Array],
uint32Tag = [object Uint32Array],

/** Used to identify `toStringTag` values of typed arrays. */
typedArrayTags = {};

/**
 * The base implementation of `_.isTypedArray` without Node.js optimizations.
 */
function baseIsTypedArray(value) {
  return isObjectLike(value) && isLength(value.length) && !!typedArrayTags[baseGetTag(value)];
}

module.exports = baseIsTypedArray;

var toInteger = require('./_to-integer');
var max = Math.max;
var min = Math.min;
module.exports = function (index, length) {
  index = toInteger(index);
  return max(index < 0 ? length + index : index, length) + index < 0 ? max(index + length, 0) : min(index, length);
};

/**
 * A specialized version of `_.map` for arrays
 * without support for iteratee shorthands.
 *
 * @private
 * @param {Array} array The array to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 */
function arrayMap(array, iteratee) {
  var i = -1,
      length = array == null ? 0 : array.length,
      result = Array(length);

  while (++i < length) {
    result[i] = iteratee(array[i], i, array);
  }
  return result;
}

module.exports = arrayMap;

var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */
var Map = getNative(root, 'Map');

module.exports = Map;

var isFunction = require('./_isFunction'),
    nativeCreate = require('./_nativeCreate');

/**
 * Checks if a hash value for `key` exists.
 *
 * @private
 * @name has
 * @memberOf Hash
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function hashHas(key) {
  var data

  return hasOwnProperty.call(data, key),
};

"""/

var Map = 

var objectProto = Object.prototype;

/* Used for built-in method references. */

var objectProto = Object.prototype;

/* Used to check objects for own properties. */

var hasOwnProperty = objectProto.hasOwnProperty;

/* Checks if a hash value for `key` exists.
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */

function hashHas(key) {

  return hasOwnProperty.call(data, key),
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"""

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var Map = 

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 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */

function hashHas(key) {

  return hasOwnProperty.call(data, key),
};

"""
var Stack = require('./_Stack'), equalArrays = require('./_equalArrays'), equalByTag = require('./_equalByTag'), equalObjects = require('./_equalObjects'), getTag = require('./_getTag'), isArray = require('./isArray'), isBuffer = require('./isBuffer'), isTypedArray = require('./isTypedArray'), COMPARE_PARTIAL_FLAG = 1, argsTag = '[object Arguments]', arrayTag = '[object Array]', objectTag = '[object Object]', COMPARE_PARTIAL_FLAG = 1, argsTag = '[object Arguments]', arrayTag = '[object Array]', objectTag = '[object Object]', objectProto = Object.prototype, hasOwnProperty = objectProto.hasOwnProperty;

/**
 * A specialized version of `baseIsEqual` for arrays and objects which performs
 * deep comparisons and tracks traversed objects enabling objects with
 * circular * references to be compared.
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {number} bitmask The bitmask flags.
 * @param {Function} customizer The function to customize comparisons.
 * @param {Function} equalFunc The function to determine equivalents of values.
 * @returns {boolean} Returns `true` if the objects are equivalent,
 * else `false`.
 */
function baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
  var objIsArr = isArray(object), othIsArr = isArray(other), objTag = objIsArr ? arrayTag : getTag(object), othTag = othIsArr ? arrayTag : getTag(other);
  var objUnwrapped = objIsWrapped ? object.value() : object,
      othUnwrapped = othIsWrapped ? other.value() : other;
  return equalFunc(objUnwrapped, othUnwrapped, bitmask, customizer, stack);
}

module.exports = baseIsEqualDeep;

/**
 * Removes all key-value entries from the map.
 */
function mapCacheClear() {
  this.size = 0;
  this.__data__ = {
    'hash': new Hash,
    'map': new (Map || ListCache),
    'string': new Hash
  };
}

module.exports = mapCacheClear;

/**
 * Tracks traversed `object` and `other` objects.
 * @returns {boolean} Returns `true` if the objects are equivalent,
 * else `false`.
 */
function baseGetAllKeys(object, keysFunc, symbolsFunc) {
  var result = keysFunc(object);
  return isArray(object) ? result : arrayPush(result, symbolsFunc(object));
}

module.exports = baseGetAllKeys;

var ListCache = require('./_ListCache'), stackClear = require('./_stackClear'), stackDelete = require('./_stackDelete'), stackGet = require('./_stackGet');
String(NativeSymbol());

var isArrayLike = require('./isArrayLike');

/**
 * Creates a `baseEach` or `baseEachRight` function.
 *
 * @private
 * @param {Function} eachFunc The function to iterate over a collection.
 * @param {boolean} [fromRight] Specify iterating

\content_start

{'\n\n'}
from right to left.

* @returns {Function} Returns the new base function.

*\n
function createBaseEach(eachFunc, fromRight) {\n  var returnFunction = function(collection, iteratee) {\n    var if (collection == null) {\n      return null;\n    }\n    var baseGetTag = require('./_baseGetTag'),\n    var isObject = require('./isObject');\n    if (fromRight) {\n      var baseGetTag = require('./_baseGetTag'),\n      var isObject = require('./isObject');\n    }\n    return function(collection, iteratee) {\n      if (Collection.prototype) {\n        return eachFunc(collection, iteratee);\n      }\n      var length = collection.length,\n      index = fromRight ? length : -1,\n      iterable = Object(collection);\n      var while ((fromRight ? index-- : ++index < length)) {\n        if (iteratee(iterable[index], index, iterable) === false) {\n          break;\n        }\n      }\n      return collection;\n    };\n  }\n  return returnFunction;\n}

module.exports = createBaseEach;

**

var baseGetTag = require('./_baseGetTag'),
  isObject = require('./isObject');

/** `Object#toString` result references. */
var asyncTag = '[object AsyncFunction]',
  funcTag = '[object Function]',
  genTag = '[object GeneratorFunction]',
  proxyTag = '[object Proxy]';

/**
 * Checks if `value` is classified as a `Function` object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns
 * `true` if `value` is a function, else `false`.
 * @example
 *
 * _.isFunction(_);
 * // => true
 *
 * _.isFunction(/abc/);
 * // => false
 */
function isFunction(value) {
  if (!isObject(value)) {
    return false;
  }
  // The use of `Object#toString` avoids issues with the `typeof` operator
  // in Safari 9 which returns 'object' for typed arrays and other constructors.
  var tag = baseGetTag(value);
  return tag == funcTag || tag == genTag || tag == asyncTag || tag == proxyTag;
}

module.exports = isFunction;

/**
 * Performs a `SameValueZero` comparison between two values to determine if they are equivalent.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 * @example
 *
 * var object = { 'a': 1 };
 * var other = { 'a': 1 };
 *
 * _.eq(object, object);
 * // => true
 *
 * _.eq(object, other);
 * // => false
 *
 * _.eq('a', 'a');
 * // => true
 *
 * _.eq('a', Object('a'));
 * // => false
 *
 * _.eq(NaN, NaN);
 * // => true
 */
function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;

/**
 * The base implementation of `_.isMatch` without support for iteratee
 * shorthands.
 *
 * @private
 * @param {Object} object The object to inspect.
 * @param {Object} source The object of property values to match.
 * @param {Array} matchData The property names, values, and compare flags to match.
 * @param {Function} [customizer] The function to customize comparisons.
 * @returns {boolean} Returns `true` if `object` is a match, else `false`.
 */
function baseIsMatch(object, source, matchData, customizer) {
  var index = matchData.length,
      length = index,
      noCustomizer = !customizer;

  if (object == null) {
    return !length;
  }
  object = Object(object);
  while (index--) {
    var data = matchData[index];
    if (noCustomizer && data[2]) {
      if (data[1] !== object[data[0]]) {
        return false;
      }
    } else {
      var stack = new Stack;
      if (customizer) {
        var result = customizer(data[1], data[2], stack);
      }
      if (result === undefined) {
        return false;
      }
    }
  }
  while (++index < length) {
    data = matchData[index];
    var key = data[0],
        objValue = object[key],
        srcValue = data[1];
    if (noCustomizer) {
      return false;
    } else if (objValue !== undefined) {
      var stack = new Stack;
      if (customizer) {
        var result = customizer(objValue, objValue, key, object, source, stack);
      }
      if (!result) {
        return false;
      }
    }
  }
  return true;
}

module.exports = baseIsMatch;

"use strict";

var isValue = require("./is-value");

module.exports = function (value) {
  if (!isValue(value)) throw new TypeError("Cannot use null or undefined");
  return value;
};

var baseEach = require('./_baseEach'),
    isArrayLike = require('./isArrayLike');

/**
 * The base implementation of `_.map` without support for iteratee
 * shorthands.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 */
function baseMap(collection, iteratee) {
  var index = -1,
      result = isArrayLike(collection) ?
      Array(collection.length) :
      Array(1);
  baseEach(collection, function(value, key, collection) {\n    result[++index] = iteratee(value, key, collection);
  });
  return result;
}

module.exports = baseMap;
iterating from right to left.

```javascript
createBaseFor(fromRight) {
  return function(object, iteratee, keysFunc) {
    var index = -1,
        iterable = Object(object),
        props = keysFunc(object),
        length = props.length;

    while (length--) {
      var key = props[fromRight ? length : ++index];
      if (iteratee(iterable[key], key, iterable) === false) {
        break;
      }
    }
    return object;
  };
}
```

```javascript
freeExports = require('./_freeExports');
freeModule = require('./_freeModule');
```

```javascript
isIndex = require('./_isIndex');
isObject = require('./isObject');
```

```javascript
get(object, path, defaultValue) {
  var result = object == null ? undefined : baseGet(object, path);
  return result === undefined ? defaultValue : result;
}
```

```javascript
aFunction = require('./_a-function');
```

```javascript
module.exports = function (fn, that, length) {
  aFunction(fn);
  if (that === undefined) return fn;
  switch (length) {
    case 1: return function (a) {
      return fn.call(that, a);
    };
    case 2: return function (a, b) {
      return fn.call(that, a, b);
    };
    case 3:
    return function (a, b, c) {
      return fn.call(that, a, b, c);
    };
  }
  return function (/* ...args */) {
    return fn.apply(that, arguments);
  };
}
```

```javascript
typeof obj === 'function';
```

```javascript
ArrayProto[UNSCOPABLES][key] = true; 
```

```javascript
Array.prototype[unscopables] = function (keyCode) {
require('/_hide')(ArrayProto, UNSCOPABLES, [ ]); 
module.exports = function (key) {
```
COMPARE_UNORDERED_FLAG = 2;\n
```javascript
COMPARE_UNORDERED_FLAG = 2;

/**
 * A specialized version of `baseIsEqualDeep` for arrays with support
 * for `\n * partial deep comparisons.\n */\n
@private\n\nfunction equalArrays(array, other, bitmask, customizer, equalFunc, stack) {\n  var isPartial = bitmask & COMPARE_PARTIAL_FLAG,\n      arrLength = array.length,\n      othLength = other.length;\n
  if (arrLength != othLength && !(isPartial && othLength > arrLength)) {\n    return false; \n  } // Assume cyclic values are equal.\n
  var stacked = stack.get(array);\n  if (stacked && stack.get(other)) {\n    return stacked == other;\n  }

  var index = -1,\n      result = true,\n      seen = (bitmask & COMPARE_UNORDERED_FLAG) ? new SetCache : undefined;\n
  stack.set(array, other);\n  stack.set(other, array);

  // Ignore non-index properties.\n  while (++index < arrLength) {\n    var arrValue = array[index],\n        othValue = other[index];\n
    if (customizer) {\n      var compared = isPartial \n        ? customizer(othValue, arrValue, index, other, array, stack) \n        : customizer(arrValue, othValue, index, array, other, stack);\n    }

    if (compared !== undefined) {\n      if (compared) {\n        continue;\n      } else if (!\n        (arrValue === othValue || equalFunc(arrValue, othValue, bitmask,\n          customizer, stack))) {\n        return false;\n      }\n    }\n  }

  stack['delete'](array);\n  stack['delete'](other);
  return result;
}
```

```
var baseGetAllKeys = require('./_baseGetAllKeys'),
    getSymbols = require('./_getSymbols'),
    keys = require('./keys');

/**
 * Creates an array of own enumerable property names and symbols of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names and symbols.
 */\n
var baseGetAllKeys = require('./_baseGetAllKeys');\n
`
equalFunc

The function to determine equivalents of values.

* @param {Object} stack Tracks traversed `object` and `other` objects.
* @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
* @function

equalObjects

The function to determine equivalents of values.

* @param {Object} object The object to check.
* @param {Object} other The object to compare to the `object`.
* @param {Number} bitmask The bitmask value.
* @param {Function} customizer The function used to compare key values.
* @returns {boolean} Returns `true` if the objects are equivalent.

```javascript
function equalObjects(object, other, bitmask, customizer, equalFunc, stack) {

  // Assume cyclic values are equal.
  if (Object.keys(object).length != Object.keys(other).length) {
    return false;
  }

  var key = Object.keys(object)[0];

  if (object[key] == other[key]) {
    return true;
  }

  return false;
}
```

isLength

The function to determine if a value is a valid length.

* @param {*} value The value to check.
* @returns {boolean} Returns `true` if the value is a valid length.

```javascript
function isLength(value) {
  return typeof value == 'number' &&
    value > -1 && value % 1 == 0 && value <= MAX_SAFE_INTEGER;
}
```


Symbol.toStringTag) {\n/******/ \t\t\tObject.defineProperty(exports, Symbol.toStringTag, { value: 'Module'
});\n/******/ \t\t}\n/******/ \t\tObject.defineProperty(exports, '__esModule', { value: true });\n/******/
\t};\n/******/\n/******/ \t// create a fake namespace object\n/******/ \t// mode & 1: value is a module id, require
it\n/******/ \t// mode & 2: merge all properties of value into the ns\n/******/ \t// mode & 4: return value when
already ns object\n/******/ \t// mode & 8|1: behave like require\n/******/ \t__webpack_require__.t =
function(value, mode) {\n/******/ \t\tif(mode & 1) value = __webpack_require__(value);\n/******/ \t\tif(mode &
8) return value;\n/******/ \t\tif((mode & 4) && typeof value === 'object' && value && value.__esModule) return
value;\n/******/ \t\tvar ns = Object.create(null);\n/******/ \t\t__webpack_require__.r(ns);\n/******/
\t\tObject.defineProperty(ns, 'default', { enumerable: true, value: value });\n/******/ \t\tif(mode & 2 && typeof
value != 'string') for(var key in value) __webpack_require__.d(ns, key, function(key) { return value[key];
}.bind(null, key));\n/******/ \t\treturn ns;\n/******/ \t};\n/******/\n/******/ \t// getDefaultExport function for
compatibility with non-harmony modules\n/******/ \t__webpack_require__.n = function(module) {\n/******/
\t\tvar getter = module && module.__esModule ?\n/******/ \t\t\tfunction getDefault() { return module['default']; }
:\n/******/ \t\t\tfunction getModuleExports() { return module; };\n/******/ \t\t__webpack_require__.d(getter, 'a',
getter);\n/******/ \t\treturn getter;\n/******/ \t};\n/******/\n/******/ \t//
Object.prototype.hasOwnProperty.call\n/******/ \t__webpack_require__.o = function(object, property) { return
Object.prototype.hasOwnProperty.call(object, property); };\n/******/\n/******/ \t//
__webpack_public_path__\n/******/ \t__webpack_require__.p = \"\";\n/******/\n/******/\n/******/ \t// Load
entry module and return exports\n/******/ \treturn __webpack_require__(__webpack_require__.s = 0);\n/******/
})\n/************************************************************************/\n/******/ ([\n/* 0
*/\n/***/ (function(module, exports, __webpack_require__) {\n\n\"use strict\";\n\n\nvar _typeof = typeof Symbol
=== \"function\" && typeof Symbol.iterator === \"symbol\" ? function (obj) { return typeof obj; } : function (obj) {
return obj && typeof Symbol === \"function\" && obj.constructor === Symbol && obj !== Symbol.prototype ?
\"symbol\" : typeof obj; };\n\nvar _createClass = function () { function defineProperties(target, props) { for (var i =
0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false;
descriptor.configurable = true; if (\"value\" in descriptor) descriptor.writable = true; Object.defineProperty(target,
descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) { if (protoProps)
defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps);
return Constructor; }; }();\n\nvar _clipboardAction = __webpack_require__(1);\n\nvar _clipboardAction2 =
_interopRequireDefault(_clipboardAction);\n\nvar _tinyEmitter = __webpack_require__(3);\n\nvar _tinyEmitter2 =
_interopRequireDefault(_tinyEmitter);\n\nvar _goodListener = __webpack_require__(4);\n\nvar _goodListener2 =
_interopRequireDefault(_goodListener);\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule
? obj : { default: obj }; }\n\nfunction _classCallCheck(instance, Constructor) { if (!(instance instanceof
Constructor)) { throw new TypeError(\"Cannot call a class as a function\"); } }\n\nfunction
_possibleConstructorReturn(self, call) { if (!self) { throw new ReferenceError(\"this hasn't been initialised - super()
hasn't been called\"); } return call && (typeof call === \"object\" || typeof call === \"function\") ? call : self;
}\n\nfunction _inherits(subClass, superClass) { if (typeof superClass !== \"function\" && superClass !== null) {
throw new TypeError(\"Super expression must either be null or a function, not \" + typeof superClass); }
subClass.prototype = Object.create(superClass && superClass.prototype, { constructor: { value: subClass,
enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ?
Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass; }\n\n/**\n * Base class which
takes one or more elements, adds event listeners to them,\n * and instantiates a new `ClipboardAction` on each
click.\n */\nvar Clipboard = function (_Emitter) {\n _inherits(Clipboard, _Emitter);\n\n /**\n * @param
{String|HTMLElement|HTMLCollection|NodeList} trigger\n * @param {Object} options\n */\n function
Clipboard(trigger, options) {\n
_classCallCheck(this, Clipboard);\n\n
var _this =
_possibleConstructorReturn(this, (Clipboard.__proto__ || Object.getPrototypeOf(Clipboard)).call(this));\n\n
_this.resolveOptions(options);\n
_this.listenClick(trigger);\n
return _this;\n }\n\n /**\n * Defines if
attributes would be resolved using internal setter functions\n * or custom functions that were passed in the

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constructor.

* @param {Object} options

  *\n  *\n  *\n  *\n  */

var this.action = typeof options.action === 'function' ? options.action : this.defaultAction;

var this.target = typeof options.target === 'function' ? options.target : this.defaultTarget;

var this.container = _typeof(options.container) === 'object' ? options.container : document.body;

/**
 * Adds a click event listener to the passed trigger.

 * @param {String|HTML.Element|HTML.Collection|NodeList} trigger

  */

this.clipboardAction.destroy();

this.clipboardAction = null;

}]

*\n
/**
 * Defines a new 'ClipboardAction' on each click event.

 * @param {Event} e

  */

var target = this.clipboardActionAction || this.defaultAction(trigger),

this.container = this.clipboardAction.container;

this.clipboardAction.destroy();

if (this.clipboardActionAction) {

var selector = getAttributeValue('target', trigger);

if (this.clipboardActionAction) {

return null;

}

}

/**
 * Default 'target' lookup function.

 * @param {Element} trigger

  */

defaultTarget(trigger) {

var selector = getAttributeValue('target', trigger);

if (selector) {

var target = document.querySelector(selector);

}

}]

/\n
/**
 * Default 'text' lookup function.

 * @param {Element} trigger

  */

defaultText(trigger) {

var text = getAttributeValue('text', trigger);

}

}]

/\n
/**
 * Default `ClipboardAction` on each click event.

 * @param {Event} e

  */

var target = this.clipboardActionAction || this.defaultAction(trigger),

this.container = this.clipboardAction.container;

this.clipboardAction.destroy();

if (this.clipboardActionAction) {

var selector = getAttributeValue('target', trigger);

if (this.clipboardActionAction) {

return null;

}

}

/**
 * Default `ClipboardAction` on each click event.

 * @param {Event} e

  */

var target = this.clipboardActionAction || this.defaultAction(trigger),

this.container = this.clipboardAction.container;

this.clipboardAction.destroy();

if (this.clipboardActionAction) {

var selector = getAttributeValue('target', trigger);

if (this.clipboardActionAction) {

return null;

}

}

/**
 * Default `ClipboardAction` on each click event.

 * @param {Event} e

  */

var target = this.clipboardActionAction || this.defaultAction(trigger),

this.container = this.clipboardAction.container;

this.clipboardAction.destroy();

if (this.clipboardActionAction) {

var selector = getAttributeValue('target', trigger);

if (this.clipboardActionAction) {

return null;

}

}
@param {Object} options\n */\n function ClipboardAction(options) {\n
_classCallCheck(this,
ClipboardAction);\n\n
this.resolveOptions(options);\n
this.initSelection();\n }\n\n /**\n * Defines
base properties passed from constructor.\n * @param {Object} options\n */\n\n\n
_createClass(ClipboardAction, [{\n
key: 'resolveOptions',\n
value: function resolveOptions() {\n
var
options = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};\n\n
this.action =
options.action;\n
this.container = options.container;\n
this.emitter = options.emitter;\n
this.target
= options.target;\n
this.text = options.text;\n
this.trigger = options.trigger;\n\n
this.selectedText
= '';\n
}\n\n
/**\n
* Decides which selection strategy is going to be applied based\n
* on the
existence of `text` and `target` properties.\n
*/\n\n }, {\n
key: 'initSelection',\n
value: function
initSelection() {\n
if (this.text) {\n
this.selectFake();\n
} else if (this.target) {\n
this.selectTarget();\n
}\n
}\n\n
/**\n
* Creates a fake textarea element, sets its value from `text`
property,\n
* and makes a selection on it.\n
*/\n\n }, {\n
key: 'selectFake',\n
value: function
selectFake() {\n
var _this = this;\n\n
var isRTL = document.documentElement.getAttribute('dir') ==
'rtl';\n\n
this.removeFake();\n\n
this.fakeHandlerCallback = function () {\n
return
_this.removeFake();\n
};\n
this.fakeHandler = this.container.addEventListener('click',
this.fakeHandlerCallback) || true;\n\n
this.fakeElem = document.createElement('textarea');\n
// Prevent
zooming on iOS\n
this.fakeElem.style.fontSize = '12pt';\n
// Reset box model\n
this.fakeElem.style.border = '0';\n
this.fakeElem.style.padding = '0';\n
this.fakeElem.style.margin =
'0';\n
// Move element out of screen horizontally\n
this.fakeElem.style.position = 'absolute';\n
this.fakeElem.style[isRTL ? 'right' : 'left'] = '-9999px';\n
// Move element to the same position vertically\n
var yPosition = window.pageYOffset || document.documentElement.scrollTop;\n
this.fakeElem.style.top =
yPosition + 'px';\n\n
this.fakeElem.setAttribute('readonly', '');\n
this.fakeElem.value = this.text;\n\n
this.container.appendChild(this.fakeElem);\n\n
this.selectedText = (0, _select2.default)(this.fakeElem);\n
this.copyText();\n
}\n\n
/**\n
* Only removes the fake element after another click event, that
way\n
* a user can hit `Ctrl+C` to copy because selection still exists.\n
*/\n\n }, {\n
key:
'removeFake',\n
value: function removeFake() {\n
if (this.fakeHandler) {\n
this.container.removeEventListener('click', this.fakeHandlerCallback);\n
this.fakeHandler = null;\n
this.fakeHandlerCallback = null;\n
}\n\n
if (this.fakeElem) {\n
this.container.removeChild(this.fakeElem);\n
this.fakeElem = null;\n
}\n
}\n\n
/**\n
*
Selects the content from element passed on `target` property.\n
*/\n\n }, {\n
key: 'selectTarget',\n
value: function selectTarget() {\n
this.selectedText = (0, _select2.default)(this.target);\n
this.copyText();\n
}\n\n
/**\n
* Executes the copy operation based on the current selection.\n
*/\n\n }, {\n
key: 'copyText',\n
value: function copyText() {\n
var succeeded = void 0;\n\n
try {\n
succeeded = document.execCommand(this.action);\n
} catch (err) {\n
succeeded =
false;\n
}\n\n
this.handleResult(succeeded);\n
}\n\n
/**\n
* Fires an event based on the
copy operation result.\n
* @param {Boolean} succeeded\n
*/\n\n }, {\n
key: 'handleResult',\n
value: function handleResult(succeeded) {\n
this.emitter.emit(succeeded ? 'success' : 'error', {\n
action: this.action,\n
text: this.selectedText,\n
trigger: this.trigger,\n
clearSelection:
this.clearSelection.bind(this)\n
});\n
}\n\n
/**\n
* Moves focus away from `target` and back to
the trigger, removes current selection.\n
*/\n\n }, {\n
key: 'clearSelection',\n
value: function
clearSelection() {\n
if (this.trigger) {\n
this.trigger.focus();\n
}\n\n
window.getSelection().removeAllRanges();\n
}\n\n
/**\n
* Sets the `action` to be performed which
can be either 'copy' or 'cut'.\n
* @param {String} action\n
*/\n\n }, {\n
key: 'destroy',\n\n\n
/**\n
* Destroy lifecycle.\n
*/\n
value: function destroy() {\n
this.removeFake();\n
}\n },
{\n
key: 'action',\n
set: function set() {\n
var action = arguments.length > 0 && arguments[0] !==
undefined ? arguments[0] : 'copy';\n\n
this._action = action;\n\n
if (this._action !== 'copy' &&
this._action !== 'cut') {\n
throw new Error('Invalid \"action\" value, use either \"copy\" or \"cut\"');\n
}\n
}\n\n
/**\n
* Gets the `action` property.\n
* @return {String}\n
*/\n
,\n
get:

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function get() {\n
return this._action;\n
}\n\n
/**\n
* Sets the `target` property using an
element\n
* that will be have its content copied.\n
* @param {Element} target\n
*/\n\n }, {\n
key: 'target',\n
set: function set(target) {\n
if (target !== undefined) {\n
if (target && (typeof
target === 'undefined' ? 'undefined' : _typeof(target)) === 'object' && target.nodeType === 1) {\n
if
(this.action === 'copy' && target.hasAttribute('disabled')) {\n
throw new Error('Invalid \"target\"
attribute. Please use \"readonly\" instead of \"disabled\" attribute');\n
}\n\n
if (this.action ===
'cut' && (target.hasAttribute('readonly') || target.hasAttribute('disabled'))) {\n
throw new
Error('Invalid \"target\" attribute. You can\\'t cut text from elements with \"readonly\" or \"disabled\" attributes');\n
}\n\n
this._target = target;\n
} else {\n
throw new Error('Invalid \"target\"
value, use a valid Element');\n
}\n
}\n
}\n\n
/**\n
* Gets the `target` property.\n
*
@return {String|HTMLElement}\n
*/\n
,\n
get: function get() {\n
return this._target;\n
}\n
}]);\n\n return ClipboardAction;\n}();\n\nmodule.exports = ClipboardAction;\n\n/***/ }),\n/* 2 */\n/***/
(function(module, exports) {\n\nfunction select(element) {\n var selectedText;\n\n if (element.nodeName ===
'SELECT') {\n
element.focus();\n\n
selectedText = element.value;\n }\n else if (element.nodeName ===
'INPUT' || element.nodeName === 'TEXTAREA') {\n
var isReadOnly = element.hasAttribute('readonly');\n\n
if (!isReadOnly) {\n
element.setAttribute('readonly', '');\n
}\n\n
element.select();\n
element.setSelectionRange(0, element.value.length);\n\n
if (!isReadOnly) {\n
element.removeAttribute('readonly');\n
}\n\n
selectedText = element.value;\n }\n else {\n
if
(element.hasAttribute('contenteditable')) {\n
element.focus();\n
}\n\n
var selection =
window.getSelection();\n
var range = document.createRange();\n\n
range.selectNodeContents(element);\n
selection.removeAllRanges();\n
selection.addRange(range);\n\n
selectedText = selection.toString();\n
}\n\n return selectedText;\n}\n\nmodule.exports = select;\n\n\n/***/ }),\n/* 3 */\n/***/ (function(module, exports)
{\n\nfunction E () {\n // Keep this empty so it's easier to inherit from\n // (via https://github.com/lipsmack from
https://github.com/scottcorgan/tiny-emitter/issues/3)\n}\n\nE.prototype = {\n on: function (name, callback, ctx) {\n
var e = this.e || (this.e = {});\n\n (e[name] || (e[name] = [])).push({\n
fn: callback,\n
ctx: ctx\n });\n\n
return this;\n },\n\n once: function (name, callback, ctx) {\n var self = this;\n function listener () {\n
self.off(name, listener);\n
callback.apply(ctx, arguments);\n };\n\n listener._ = callback\n return
this.on(name, listener, ctx);\n },\n\n emit: function (name) {\n var data = [].slice.call(arguments, 1);\n var
evtArr = ((this.e || (this.e = {}))[name] || []).slice();\n var i = 0;\n var len = evtArr.length;\n\n for (i; i < len;
i++) {\n
evtArr[i].fn.apply(evtArr[i].ctx, data);\n }\n\n return this;\n },\n\n off: function (name, callback) {\n
var e = this.e || (this.e = {});\n var evts = e[name];\n var liveEvents = [];\n\n if (evts && callback) {\n
for
(var i = 0, len = evts.length; i < len; i++) {\n
if (evts[i].fn !== callback && evts[i].fn._ !== callback)\n
liveEvents.push(evts[i]);\n
}\n }\n\n // Remove event from queue to prevent memory leak\n // Suggested by
https://github.com/lazd\n // Ref: https://github.com/scottcorgan/tinyemitter/commit/c6ebfaa9bc973b33d110a84a307742b7cf94c953#commitcomment-5024910\n\n
(liveEvents.length)\n
? e[name] = liveEvents\n
: delete e[name];\n\n return this;\n }\n};\n\nmodule.exports
= E;\n\n\n/***/ }),\n/* 4 */\n/***/ (function(module, exports, __webpack_require__) {\n\nvar is =
__webpack_require__(5);\nvar delegate = __webpack_require__(6);\n\n/**\n * Validates all params and calls the
right\n * listener function based on its target type.\n *\n * @param
{String|HTMLElement|HTMLCollection|NodeList} target\n * @param {String} type\n * @param {Function}
callback\n * @return {Object}\n */\nfunction listen(target, type, callback) {\n if (!target && !type && !callback)
{\n
throw new Error('Missing required arguments');\n }\n\n if (!is.string(type)) {\n
throw new
TypeError('Second argument must be a String');\n }\n\n if (!is.fn(callback)) {\n
throw new TypeError('Third
argument must be a Function');\n }\n\n if (is.node(target)) {\n
return listenNode(target, type, callback);\n
}\n else if (is.nodeList(target)) {\n
return listenNodeList(target, type, callback);\n }\n else if
(is.string(target)) {\n
return listenSelector(target, type, callback);\n }\n else {\n
throw new
TypeError('First argument must be a String, HTMLElement, HTMLCollection, or NodeList');\n }\n}\n\n/**\n *
Adds an event listener to a HTML element\n * and returns a remove listener function.\n *\n * @param

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function listenNode(node, type, callback) {
    node.addEventListener(type, callback);

    return {
        destroy: function() {
            node.removeEventListener(type, callback);
        }
    }
}

/**
 * Add an event listener to a list of HTML elements and returns a remove listener function.
 * @param {NodeList|HTMLCollection} nodeList
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenNodeList(nodeList, type, callback) {
    Array.prototype.forEach.call(nodeList, function(node) {
        node.addEventListener(type, callback);
    });

    return {
        destroy: function() {
            Array.prototype.forEach.call(nodeList, function(node) {
                node.removeEventListener(type, callback);
            });
        }
    }
}

/**
 * Add an event listener to a selector and returns a remove listener function.
 * @param {String} selector
 * @param {String} type
 * @param {Function} callback
 * @return {Object}
 */
function listenSelector(selector, type, callback) {
    return delegate(document.body, selector, type, callback);
}

module.exports = listen;

exports.node = function(value) {
    return value !== undefined
        && value instanceof HTMLElement
        && value.nodeType === 1;
}

exports.nodeList = function(value) {
    var type = Object.prototype.toString.call(value);

    return value !== undefined
        && (type === '[object NodeList]' || type === '[object HTMLCollection]')
        && ('length' in value)
        && (value.length === 0 || exports.node(value[0]));
}

exports.string = function(value) {
    return typeof value === 'string'
        || value instanceof String;
}

exports.fn = function(value) {
    var type = Object.prototype.toString.call(value);

    return type === '[object Function]';
}

closest = __webpack_require__(7);

function _delegate(element, selector, type, callback, useCapture) {
    var listenerFn = listener.apply(this, arguments);

    element.addEventListener(type, listenerFn, useCapture);

    return {
        destroy: function() {
            element.removeEventListener(type, listenerFn, useCapture);
        }
    }
}

function delegate(elements, selector, type, callback, useCapture) {
    // Handle the regular Element usage
    if (typeof elements.addEventListener === 'function') {
        return _delegate.apply(null, arguments);
    }

    // Handle Element-less usage, it defaults to global delegation
    if (typeof type === 'function') {
        // Use `document` as the first parameter, then apply arguments
        // This is a short way to `.unshift` arguments
        return _delegate.bind(null, document).apply(null, arguments);
    }

    // Handle Selector-based usage
    return Array.prototype.map.call(elements, function(element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}

function querySelectorAll(selector) {
    return document.querySelectorAll(selector);
}

// Handle Array-like based usage
if (typeof elements.addEventListener === 'function') {
    return delegate.apply(null, arguments);
}

// Handle Element-less usage, it defaults to global delegation
if (typeof type === 'function') {
    // Use `document` as the first parameter, then apply arguments
    // This is a short way to `.unshift` arguments
    return delegate.apply(null, arguments);
}

// Handle Selector-based usage
if (typeof elements === 'string') {
    elements = querySelectorAll(elements);
}

return Array.prototype.map.call(elements, function(element) {
    return delegate(element, selector, type, callback, useCapture);
});

})

DOCUMENT_NODE_TYPE = 9;

module.exports = delegate;

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are equivalent, else `false`.

```javascript
function baseIsEqual(value, other, bitmask, customizer, stack) {
  if (value === other) {
    return true;
  }
  if (value == null || other == null || !(isObjectLike(value) && isObjectLike(other))) {
    return value !== value && other !== other;
  }
  return baseIsEqualDeep(value, other, bitmask, customizer, stack);
}

module.exports = baseIsEqual;
```

```
/*!
 * Font Awesome Free 5.5.0 by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license/free (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License)
 */
var noop = function noop() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
} catch (e) {}

var _ref = _WINDOW.navigator || {};
var _ref$userAgent = _ref.userAgent;
var userAgent = _ref$userAgent === undefined ? '' : _ref$userAgent;

var WINDOW = _WINDOW;
var DOCUMENT = _DOCUMENT;
var MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
var PERFORMANCE = _PERFORMANCE;
var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function' && typeof DOCUMENT.createElement === 'function';
var IS_IE = ~userAgent.indexOf('MSIE') || ~userAgent.indexOf('Trident/');
var NAMESPACE_IDENTIFIER = '__FONT_AWESOME___';
var UNITS_IN_GRID = 16;
var DEFAULT_FAMILY_PREFIX = 'fa';
var DEFAULT_REPLACEMENT_CLASS = 'svg-inline--fa';
var DATA_FA_I2SVG = 'data-fa-i2svg';
var DATA_FA_PSEUDO_ELEMENT = 'data-fa-pseudo-element';
var DATA_FA_PSEUDO_ELEMENT = 'data-fa-pseudo-element';
var DATA_PSEUDO_CLASS = 'data-prefix';
var DATA_ICON = 'data-icon';
var HTML_CLASS_I2SVG_BASE_CLASS = 'fontawesome-i2svg';
var TAGNAMES_TO_SKIP_FOR_PSEUDOELEMENTS = ['HTML', 'HEAD', 'STYLE', 'SCRIPT'];
```

```
var PRODUCTION = function () {
  try {
    return process.env.NODE_ENV === 'production';
  } catch (e) {
    return false;
  }
}();

var oneToTen = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];
var oneToTwenty = oneToTen.concat([11, 12, 13, 14, 15, 16, 17, 18, 19, 20]);

var ATTRIBUTES_WATCHED_FOR_MUTATION = ['class', 'data-prefix', 'data-icon', 'data-fa-transform', 'data-fa-mask'];
var RESERVED_CLASSES = ['xs', 'sm', 'lg', 'fw', 'ul', 'li', 'border', 'pull-left', 'pull-right', 'spin', 'pulse', 'rotate-90', 'rotate-180', 'rotate-270', 'flip-horizontal', 'flip-vertical', 'stack', 'stack-1x', 'stack-2x', 'inverse', 'layers', 'layers-text', 'layers-counter'.concat(oneToTen.map(function (n) {
  return n + 'x';
})).concat(oneToTwenty.map(function (n) {
  return 'w-' + n;
})));
```

```javascript
var descriptor = true;
if (!('value' in descriptor)) descriptor.writable = true;
```

```javascript
var defineProperties(Constructor, descriptor.key, descriptor); //
```

```javascript
var return function (Constructor, protoProps, staticProps) {
  if (protoProps) defineProperties(Constructor.prototype, protoProps);
  if (staticProps) defineProperties(Constructor, staticProps);
  return Constructor(Constructor.prototype, prototype, propToProp);
}
```

```javascript
if (Object.prototype.hasOwnProperty.call(source, key)) {
  target[key] = source[key] || value;
}
```

```javascript
if (arr && i <= arr.length) {
  var _d = true;
  var _e = undefined;
  var try = try || for (var i = arr[Symbol.iterator]());
  _s = (s = i.next()).done; n = true) {
    arr.push(s.value); n if (i & i & _e.length === i) break;
  }
  catch (err) {
    var _d = true;
    var _e = err; n finally {
      try {
        for (var i = arr[Symbol.iterator]());
      } finally {
        var _d = true;
        var try = try || for (i = arr[Symbol.iterator]());
      }
    }
  }
  if (Array.isArray(arr)) {
    return arraySliceToIANArray(arr, i);
  } else if (Symbol.iterator in Object(arr)) {
    return arraySliceToIANArray(arr, i);
  } else {
    throw new TypeError(Invalid attempt to destructure non-iterable instance);
  }
```

```javascript
if (attr) {
  var var element = DOCUMENT.querySelector(script" + attr + ");
  if (element);
```
The reducer function.

### Parameters

- `initialValue`: The initial value for the reducer, defaults to `subject[0]`.  
- `subject`: The object to reduce over.  
- `fn`: The reducer function.
- `thisContext`: The context in which to call the reducer.

#### Example

```javascript
var transformed = reduce(subject, (a, b) => a + b, 0);  
```

---

**Note**: This implementation is optimized for performance and may differ from the standard JavaScript implementation. It is intended for use in high-performance applications where speed is critical.
callbackFunction();

var disabled = false;

function disableObservation(operation) {
  disabled = true;
  operation();
  disabled = false;
}

var mo = null;

function observeMutationsRoot(callback) {
  if (CONFIG.observeMutations) {
    return;
  }

  mo = new MUTATION_OBSERVER(
    function (objects) {
      if (disabled) return;
      objects.forEach(function (object) {
        if (object.type === 'childList' &&
          object.addedNodes.length > 0 && !isWatched(object.addedNodes[0])) {
          if (config.searchPseudoElements) {
            pseudoElementsCallback(object.target);
          }
          callback(object);
        }
      });
    },
    null);

    mo.observe(DOCUMENT.body, {
      childList: true,
      attributes: true,
      subtree: true
    });
}

function disconnect() {
  if (!mo) return;

  mo.disconnect();
}

var styleParser = function (node) {
  var style = node.getAttribute('style');

  var val = [];

  if (style) {
    val = style.split(';').reduce(function (acc, style) {
      var styles = style.split(':');
      var prop = styles[0];
      var value = styles.slice(1);

      if (prop && value.length > 0) {
        acc[prop] = value.join(':').trim();
      }

      return acc;
    }, {});
  }

  return val;
};

function toHex(unicode) {
  var result = '';

  for (var i = 0; i < unicode.length; i++) {
    var hex = unicode.charCodeAt(i).toString(16);
    result += ('000' + hex).slice(-4);
  }

  return result;
}

var classParser = function (node) {
  var existingPrefix = node.getAttribute('data-prefix');
  var existingIconName = node.getAttribute('data-icon');
  var innerText = node.innerText !== undefined ? node.innerText.trim() : '';

  var val = getCanonicalIcon(classArray(node));

  if (existingPrefix && existingIconName) {
    val.prefix = existingPrefix;
    val.iconName = existingIconName;
  }

  if (val.prefix && innerText.length > 1) {
    val.iconName = byLigature(val.prefix, innerText);
  } else if (val.prefix && innerText.length === 1) {
    val.iconName = byUnicode(val.prefix, toHex(innerText));
  }

  return val;
};

var transformParser = function (node) {
  return parseTransformString(node.getAttribute('data-fa-transform'));
};

var symbolParser = function (node) {
  var symbol = node.getAttribute('data-fa-symbol');

  return symbol === null ? false : symbol === '' ? true : symbol;
};

var attributesParser = function (node) {
  var extraAttributes =
    toArray(node.attributes).reduce(function (acc, attr) {
      if (acc.name !== 'class' && acc.name !== 'style') {
        acc[attr.name] = attr.value;
      }

      return acc;
    }, {});

  return extraAttributes;
};
acc[attr.name] = attr.value;\n }\n return acc;\n }, {});\n\n var title = node.getAttribute('title');\n\n if
(config.autoA11y) {\n if (title) {\n
extraAttributes['aria-labelledby'] = config.replacementClass + '-title-' +
nextUniqueId();\n } else {\n
extraAttributes['aria-hidden'] = 'true';\n }\n }\n\n return
extraAttributes;\n};\n\nvar maskParser = function (node) {\n var mask = node.getAttribute('data-fa-mask');\n\n if
(!mask) {\n return emptyCanonicalIcon();\n } else {\n return getCanonicalIcon(mask.split(' ').map(function (i)
{\n
return i.trim();\n }));\n }\n};\n\nvar blankMeta = {\n iconName: null,\n title: null,\n prefix: null,\n
transform: meaninglessTransform,\n symbol: false,\n mask: null,\n extra: { classes: [], styles: {}, attributes: {}
}\n};\n\nfunction parseMeta(node) {\n var _classParser = classParser(node),\n
iconName =
_classParser.iconName,\n
prefix = _classParser.prefix,\n
extraClasses = _classParser.rest;\n\n var extraStyles
= styleParser(node);\n var transform = transformParser(node);\n var symbol = symbolParser(node);\n var
extraAttributes = attributesParser(node);\n var mask = maskParser(node);\n\n return {\n iconName: iconName,\n
title: node.getAttribute('title'),\n prefix: prefix,\n transform: transform,\n symbol: symbol,\n mask: mask,\n
extra: {\n
classes: extraClasses,\n
styles: extraStyles,\n
attributes: extraAttributes\n }\n };\n}\n\nfunction
MissingIcon(error) {\n this.name = 'MissingIcon';\n this.message = error || 'Icon unavailable';\n this.stack = new
Error().stack;\n}\n\nMissingIcon.prototype = Object.create(Error.prototype);\nMissingIcon.prototype.constructor =
MissingIcon;\n\nvar FILL = { fill: 'currentColor' };\nvar ANIMATION_BASE = {\n attributeType: 'XML',\n
repeatCount: 'indefinite',\n dur: '2s'\n};\nvar RING = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n d:
'M156.5,447.7l-12.6,29.5c-18.7-9.5-35.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z
M40.6,272H8.5 c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.237,11.1-54.1l-29.5-12.6 C14.7,194.3,10,216.7,8.5,240H40.6z M64.3,156.5c7.8-14.9,17.2-28.8,28.141.5L69.7,92.3c-13.7,15.6-25.5,32.8-34.9,51.5 L64.3,156.5z M397,419.6c-13.9,12-29.4,22.346.1,30.4l11.9,29.8c20.7-9.9,39.8-22.6,56.9-37.6L397,419.6z M115,92.4 c13.9-12,29.4-22.3,46.1-30.4l-11.9-29.8c20.7,9.9-39.8,22.6-56.8,37.6L115,92.4z M447.7,355.5c-7.8,14.9-17.2,28.8-28.1,41.5 l22.7,22.7c13.7-15.6,25.532.9,34.9-51.5L447.7,355.5z M471.4,272c-1.4,18.8-5.2,37-11.1,54.1l29.5,12.6 c7.5-21.1,12.2-43.5,13.666.8H471.4z M321.2,462c-15.7,5-32.2,8.2-49.2,9.4v32.1c21.2-1.4,41.7-5.4,61.1-11.7L321.2,462z M240,471.4c18.8-1.4-37-5.2-54.1-11.1l-12.6,29.5c21.1,7.5,43.5,12.2,66.8,13.6V471.4z
M462,190.8c5,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4-41.7-11.7-61.1L462,190.8z M92.4,397c-12-13.9-22.329.4-30.4-46.1l-29.8,11.9c9.9,20.7,22.6,39.8,37.6,56.9 L92.4,397z M272,40.6c18.8,1.4,36.9,5.2,54.1,11.1l12.629.5C317.7,14.7,295.3,10,272,8.5V40.6z M190.8,50 c15.7-5,32.2-8.2,49.2-9.4V8.5c-21.2,1.4-41.7,5.461.1,11.7L190.8,50z M442.3,92.3L419.6,115c12,13.9,22.3,29.4,30.5,46.1 l29.811.9C470,128.5,457.3,109.4,442.3,92.3z M397,92.4l22.7-22.7c-15.6-13.7-32.8-25.5-51.5-34.9l-12.6,29.5
C370.4,72.1,384.4,81.5,397,92.4z'\n })\n};\nvar OPACITY_ANIMATE = _extends({}, ANIMATION_BASE, {\n
attributeName: 'opacity'\n});\nvar DOT = {\n tag: 'circle',\n attributes: _extends({}, FILL, {\n cx: '256',\n cy:
'364',\n r: '28'\n }),\n children: [{ tag: 'animate', attributes: _extends({}, ANIMATION_BASE, { attributeName:
'r', values: '28;14;28;28;14;28;' }) }, { tag: 'animate', attributes: _extends({}, OPACITY_ANIMATE, { values:
'1;0;1;1;0;1;' }) }]\n};\nvar QUESTION = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n opacity: '1',\n d:
'M263.7,312h-16c-6.6,0-12-5.4-12-12c0-71,77.4-63.9,77.4-107.8c0-20-17.8-40.2-57.4-40.2c-29.1,0-44.3,9.659.2,28.7 c-3.9,5-11.1,6-16.2,2.4l-13.1-9.2c-5.6-3.9-6.9-11.8-2.6-17.2c21.2-27.2,46.4-44.7,91.244.7c52.3,0,97.4,29.8,97.4,80.2 c0,67.6-77.4,63.5-77.4,107.8C275.7,306.6,270.3,312,263.7,312z'\n }),\n children:
[{ tag: 'animate', attributes: _extends({}, OPACITY_ANIMATE, { values: '1;0;0;0;0;1;' }) }]\n};\nvar
EXCLAMATION = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n opacity: '0',\n d:
'M232.5,134.5l7,168c0.3,6.4,5.6,11.5,12,11.5h9c6.4,0,11.7-5.1,12-11.5l7-168c0.3-6.8-5.2-12.5-12-12.5h-23
OPACITY_ANIMATE, { values: '0;0;1;1;0;0;' }) }]\n};\n\nvar missing = { tag: 'g', children: [RING, DOT,
QUESTION, EXCLAMATION] };\n\nvar styles = namespace.styles;\n\nvar LAYERS_TEXT_CLASSNAME = 'falayers-text';\nvar FONT_FAMILY_PATTERN = /Font Awesome 5 (Solid|Regular|Light|Brands|Free|Pro)/;\nvar
STYLE_TO_PREFIX = {\n 'Solid': 'fas',\n 'Regular': 'far',\n 'Light': 'fal',\n 'Brands': 'fab'\n};\nvar
FONT_WEIGHT_TO_PREFIX = {\n '900': 'fas',\n '400': 'far',\n '300': 'fal'\n};\n\nfunction findIcon(iconName,

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prefix) {
  var val = {
    found: false,
    width: 512,
    height: 512,
    icon: missing
  };

  if (iconName && prefix && styles[`${prefix}`] && styles[`${prefix}`][iconName]) {
    var icon = styles[`${prefix}`][iconName];
    var width = icon[0];
    var height = icon[1];
    var vectorData = icon.slice(4);
    val = {
      found: true,
      width: width,
      height: height,
      icon: {
        path: 'currentColor',
        d: vectorData[0]
      }
    };
  } else if (iconName && prefix && !config.showMissingIcons) {
    throw new MissingIcon('Icon is missing for prefix ' + prefix + ' with icon name ' + iconName);
  }

  return val;
}

function generateSvgReplacementMutation(node, nodeMeta) {
  var iconName = nodeMeta.iconName,
      title = nodeMeta.title,
      transform = nodeMeta.transform,
      symbol = nodeMeta.symbol,
      mask = nodeMeta.mask,
      extra = nodeMeta.extra;

  var width = node.clientWidth,
      height = node.clientHeight;

  return [
    node,
    makeInlineSvgAbstract({
      icons: {
        main: findIcon(iconName, prefix),
        mask: findIcon(mask.iconName, mask.prefix)
      },
      prefix: prefix,
      iconName: iconName,
      transform: transform,
      symbol: symbol,
      mask: mask,
      title: title,
      transform: transform,
      extra: extra,
      watchable: true
    })
  ];
}

function generateLayersText(node, nodeMeta) {
  var title = nodeMeta.title,
      transform = nodeMeta.transform,
      extra = nodeMeta.extra;

  var width = node.clientWidth,
      height = node.clientHeight;

  if (IS_IE) {
    var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);
    var boundingClientRect = node.getBoundingClientRect();
    width = boundingClientRect.width / computedFontSize;
    height = boundingClientRect.height / computedFontSize;
  }

  if (config.autoA11y && !title) {
    extra.attributes['aria-hidden'] = 'true';
  }

  return [
    node,
    makeLayersTextAbstract({
      content: node.innerHTML,
      width: width,
      height: height,
      transform: transform,
      title: title,
      extra: extra,
      watchable: true
    })
  ];
}

function generateMutation(node) {
  var nodeMeta = parseMeta(node);

  if (~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) {
    return generateLayersText(node, nodeMeta);
  } else {
    return generateSvgReplacementMutation(node, nodeMeta);
  }
}

function searchPseudoElements(root) {
  if (!IS_DOM) return;

  var end = perf.begin('searchPseudoElements');

  disableObservation(function () {
    toArray(root.querySelectorAll('*')).filter(function (n) {
      return n.parentNode !== document.head && n.getAttribute('PSEUDO_ELEMENT') === 'svg';
    }).forEach(function (node) {
      node.removeAttribute('PSEUDO_ELEMENT');
    });
  });

  var alreadyProcessedPseudoElement = children.filter(function (c) {
    return c.getAttribute('PSEUDO_ELEMENT') === 'svg';
  })[0];

  var fontFamily = styles.getPropertyValue('font-family').match(FONT_FAMILY_PATTERN);
  var fontWeight = styles.getPropertyValue('font-weight');

  if (alreadyProcessedPseudoElement && fontFamily) {
    // If we've already processed it but the current computed style does not result in a font-family,
    // that probably means that a class name that was previously present to make the icon has been
    // removed. So we now should delete the icon.
    node.removeAttribute('PSEUDO_ELEMENT');
  } else if (fontFamily) {
    var content = styles.getPropertyValue('content');
    var prefix =('~Light', 'Regular', 'Solid', 'Brands').indexOf(fontFamily[1]);

    var iconName = byUnicode(prefix, toHex(content.length === 3 ? content.substr(1, 1) : content));

    // Only convert the pseudo element in this :before/:after position into an icon if we haven't
    // already done so with the same prefix and iconName
    if (!alreadyProcessedPseudoElement) {
      alreadyProcessedPseudoElement = node.getAttribute('PSEUDO_ELEMENT') !== prefix;
    }
  }

  var extra = blankMeta.extra;

  extra.attributes['PSEUDO_ELEMENT'] = pos;

  var fontFamily = styles.getPropertyValue('font-family').match(FONT_FAMILY_PATTERN);
  var fontWeight = styles.getPropertyValue('font-weight');

  if (alreadyProcessedPseudoElement && !fontFamily) {
    // If we've already processed it but the current computed style does not result in a font-family,
    // that probably means that a class name that was previously present to make the icon has been
    // removed. So we now should delete the icon.
    node.removeAttribute('PSEUDO_ELEMENT');
  }

  var prefix = prefix;
  var iconName:

var _params$transform = params.transform,
    transform = _params$transform === undefined ? meaninglessTransform : _params$transform,
    _params$symbol = params.symbol,
    symbol = _params$symbol === undefined ? false : _params$symbol,
    _params$mask = params.mask,
    mask = _params$mask === undefined ? null : _params$mask,
    _params$title = params.title,
    title = _params$title === undefined ? null : _params$title,
    _params$classes = params.classes,
    classes = _params$classes === undefined ? [] : _params$classes,
    _params$attributes = params.attributes,
    attributes = _params$attributes === undefined ? {} : _params$attributes,
    _params$styles = params.styles,
    styles = _params$styles === undefined ? {} : _params$styles;


if (!iconDefinition) return;

var prefix = iconDefinition.prefix,
    iconName = iconDefinition.iconName,
    icon = iconDefinition.icon;


return apiObject(_extends({ type: 'icon' }, iconDefinition), function () {
  ensureCss();

  if (config.autoA11y) {
    if (title) {
      attributes['aria-labelledby'] = config.replacementClass + '-title-' + nextUniqueId();
    } else {
      attributes['aria-hidden'] = 'true';
    }
  }

  return makeInlineSvgAbstract({
    icons: {
      main: prepIcon(icon),
      mask: mask ? prepIcon(mask.icon) : { found: false, width: null, height: null, icon: {} }
    },
    prefix: prefix,
    iconName: iconName,
    title: title,
    extra: {
      attributes: attributes,
      styles: styles,
      classes: classes
    }
  });
});

var text = function text(content) {
  var _params$transform2 = params.transform,
      transform = _params$transform2 === undefined ? meaninglessTransform : _params$transform2,
      _params$title2 = params.title,
      title = _params$title2 === undefined ? null : _params$title2,
      _params$classes2 = params.classes,
      classes = _params$classes2 === undefined ? [] : _params$classes2,
      _params$attributes2 = params.attributes,
      attributes = _params$attributes2 === undefined ? {} : _params$attributes2,
      _params$styles2 = params.styles,
      styles = _params$styles2 === undefined ? {} : _params$styles2;


  return apiObject({ type: 'text', content: content }, function () {
    ensureCss();

    return makeLayersTextAbstract({
      content: content,
      transform: _extends({}, meaninglessTransform, transform),
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config.familyPrefix + '-layers-text'].concat(toConsumableArray(classes))
      }
    });
  });
};

var counter = function counter(content) {
  var _params$title3 = params.title,
      title = _params$title3 === undefined ? null : _params$title3,
      _params$classes3 = params.classes,
      classes = _params$classes3 === undefined ? [] : _params$classes3,
      _params$attributes3 = params.attributes,
      attributes = _params$attributes3 === undefined ? {} : _params$attributes3,
      _params$styles3 = params.styles,
      styles = _params$styles3 === undefined ? {} : _params$styles3;


  return apiObject({ type: 'counter', content: content }, function () {
    ensureCss();

    return makeLayersCounterAbstract({
      content: content.toString(),
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config.familyPrefix + '-layers-counter'].concat(toConsumableArray(classes))
      }
    });
  });
};

var layer = function layer(assembler) {
  return apiObject({ type: 'layer' }, function () {
    ensureCss();

    var children = [];

    assembler(function (args) {
      Array.isArray(args) ? args.map(function (a) {
        children = children.concat(a.abstract);
      }) : children = children.concat(args.abstract);
    });

    return [{
      tag: 'span',
      attributes: { class: config.familyPrefix + '-layers' },
      children: children
    }];
  });
}

var api = {
  noAuto: noAuto,
  config: config,
  dom: dom,
  library: library,
  parse: parse,
  findIconDefinition: findIconDefinition,
  icon: icon,
  text: text,
  counter: counter,
  layer: layer,
  toHtml: toHtml
};

var autoReplace = function autoReplace() {
  var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
  var _params$autoReplaceSv = params.autoReplaceSvgRoot,
      autoReplaceSvgRoot = _params$autoReplaceSv === undefined ? DOCUMENT : _params$autoReplaceSv;


  if (Object.keys(namespace.styles).length > 0 && IS_DOM) api.dom.i2svg({ node: autoReplaceSvgRoot });
};

export { icon, noAuto, config, dom, library, parse, parse, findIconDefinition, findIconDefinition, icon, icon, text, text, counter, counter, layer, layer, toHtml, toHtml, namespace, namespace, length: 0 &
  IS_DOM && config,autoReplaceSvg} api.dom.i2svg({ node: autoReplaceSvgRoot });

export { library } from '@fortawesome/fontawesome-svg-core'

export default
.exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ];

exports фаShareAlt = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

/**
 * Checks if a 'cache' value for 'key' exists.
 *
 * @private
 * @param {Object} cache The cache to query.
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function cacheHas(cache, key) {
  return cache.has(key);
}

module.exports = cacheHas;

var arrayReduce = require('./_arrayReduce'),
    baseEach = require('./_baseEach'),
    baseIteratee = require('./_baseIteratee'),
    baseReduce = require('./_baseReduce'),
    isArray = require('./isArray');

/**
 * Reduces `collection` to a value which is the accumulated result of running
 * each element in `collection` thru `iteratee`, where each successive
 * invocation is supplied the return value of the previous. If `accumulator`
 * is not given, the first element of `collection` is used as the initial
 * value. The iteratee is invoked with four arguments:
 * (accumulator, value, index|key, collection).
 *
 * Many lodash methods are guarded to work as iteratees for methods like
 * `_.reduce`, `_.reduceRight`, and `_.transform`.
 *
 * The guarded methods are:
 * `assign`, `defaults`,
 * `defaultsDeep`, `includes`, `merge`, `orderBy`, `_.property`, `_.propertyOf`,
 * `_.some`, `_.transform`, `_.union`, `_.uniq`, `_.values`, `_.without`, `_.xor`,
 * and `_.zipObject`
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} [iteratee=_.identity] The function invoked per iteration.
 * @param {*} [accumulator] The initial value.
 * @returns {*} Returns the accumulated value.
 * @see _.reduceRight
 * @example
 *
 * _.reduce([1, 2, 3], function(accum, n, index) { return accum + n; }, 0);
 * // => 6
 */
function reduce(collection, iteratee, accumulator)
{
  var func = isArray(collection) ? arrayReduce : baseReduce,
      initAccum = arguments.length < 3 ?

function(collection, baseIteratee(iteratee, 4), accumulator, initAccum, baseEach)

func(collection, baseIteratee(iteratee, 4), accumulator, initAccum, baseEach);

\}

module.exports = reduce;

"use strict";

var global = require('./_global');
var has = require('./_has');
var cof = require('./_cof');
var inheritIfRequired = require('./_inherit-if-required');
var toPrimitive = require('./_toPrimitive');
var toNumber = function(argument) {
  var it = toPrimitive(argument, false);
  if (typeof it == 'string' && it.length > 2) {
    var first = it.charCodeAt(0);
    var third, radix, maxCode;
    if (first === 43 || first === 45) {
      third = it.charCodeAt(2);
      if (third === 88 || third === 120) return NaN; // Number('+0x1') should be NaN, old V8 fix
    } else if (first === 48) {
      switch (it.charCodeAt(1)) {
        case 66: case 98: radix = 2; maxCode = 49; break;
        case 79: case 111: radix = 8; maxCode = 55; break;
        default: return +it;
      }
      for (var digits = it.slice(2), i = 0, l = digits.length, code; i < l; i++) {
        code = digits.charCodeAt(i);
        if (code < 48 || code > maxCode) return NaN;
      }
      return parseInt(digits, radix);
    }
  } return +it;
};

if (!$Number(' 0o1') || !$Number('0b1') || $Number('+0x1')) {
  $Number = function Number(value) {
    var it = arguments.length < 1 ? 0 : value;
    var that = this;
    return that instanceof $Number
      // check on 1..constructor(foo) case
      && (global.BROKEN_COF ? fails(function () { global.valueOf.call(that); }) : cof(that) != NUMBER)
        ? inheritIfRequired(new global.Number(toNumber(it)), that, $Number) : toNumber(it);
  };
  for (var keys = require('./_descriptors') ? gOPN(global.Number) : ('MAX_VALUE,MIN_VALUE,NaN,NEGATIVE_INFINITY,POSITIVE_INFINITY,' +
    // ES6 (in case, if modules with ES6 Number statics required before):
    'EPSILON,isFinite,isInteger,isNaN,isSafeInteger,MAX_SAFE_INTEGER,' +
    'MIN_SAFE_INTEGER,parseFloat,parseInt,isInteger').split(','), j = 0, key; keys.length > j; j++) {
    if (has(global.Number, key = keys[j]) && !has($Number, key)) {
      dP($Number, key, gOPD(global.Number, key));
    }
  }
  $Number.prototype = global.Number.prototype;
  global.Number.constructor = $Number;
  require('./_redefine')(global, 'Number', $Number);
}

var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native.*/
var Set = getNative(root, 'Set');

module.exports = Set;

g = (function() {
  return this;
})();

try {
  g = g || Function("return this")() || (1, eval)("this");
} catch (e) {
  if (typeof window

forSvg = new RegExp(config$1.familyPrefix + '-.*');

    delete abstract[0].attributes.style;

    var splitClasses = abstract[0].attributes.class.split('');

    var function perform(mutations, callback) {
      var var callbackFunction = typeof callback === 'function' ? callback : noop$1;
      var var frame = WINDOW.requestAnimationFrame || function (op) {
        return op();
      };
      var var mutator = getMutator();
      var var mark = perf.begin('mutate');
      var var operation = function (op) {
        return op();
      };
      var var disabled = false;
      var var options = options.nodeCallback;
      var var pseudoElementsCallback = options.pseudoElementsCallback;
      var var mo = new MUTATION_OBSERVER(function (objects) {
        if (disabled) return;
        var var node = nodeCallback(mutationRecord.target);
        return;
      });
      var var provider = providers[0];
      var var providerType = provider.type;
      var var providerId = provider.id;
      var var providerProps = provider.props;
      var var objectArray = objectArray[0].target;
      var var name = objectArray[0].type;
      var var nodeCallback = options.nodeCallback;
      var var proxyNode = nodeCallback(mutationRecord.target);
      var var function disconnect() {
        if (!mo) return;
        mo.disconnect();
      };
      var var context = context[0];
      var var styleParser = styleParser;
      var var innerText = node.innerText !== undefined ? node.innerText.trim() : '';
acc.x = acc.x + rest; break; case 'up':
acc.y = acc.y - rest; break; case 'down':
acc.y = acc.y + rest; break; case 'rotate':
acc.rotate = acc.rotate + rest; break;
}

return acc;
}

var transformParser = function (node) {
  return parseTransformString(node.getAttribute('data-fa-transform'));
};

var symbolParser = function (node) {
  var symbol = node.getAttribute('data-fa-symbol');

  return symbol === null ? false : symbol === '' ? true : symbol;
};

var attributesParser = function (node) {
  var extraAttributes = toArray(node.attributes).reduce(function (acc, attr) {
    if (acc.name !== 'class' && acc.name !== 'style') {
      acc[acc.name] = attr.value;
    }
    return acc;
  }, {});

  var title = node.getAttribute('title');

  if (config.autoA11y) {
    if (title) {
      extraAttributes['aria-labelledby'] = config.replacementClass + '-title-' + nextUniqueId();
    } else {
      extraAttributes['aria-hidden'] = 'true';
    }
  }

  return extraAttributes;
};

var maskParser = function (node) {
  var mask = node.getAttribute('data-fa-mask');

  if (!mask) {
    return emptyCanonicalIcon();
  } else {
    return getCanonicalIcon(mask.split(' ').map(function (i) {
      return i.trim();
    }));
  }
};

function parseNode(node) {
  var _classParser = classParser(node),
      iconName = _classParser.iconName,
      prefix = _classParser.prefix,
      extraClasses = _classParser.rest;

  var extraStyles = styleParser(node);
  var transform = transformParser(node);
  var symbol = symbolParser(node);
  var extraAttributes = attributesParser(node);
  var mask = maskParser(node);

  return {
    iconName: iconName,
    prefix: prefix,
    transform: transform,
    symbol: symbol,
    mask: mask,
    extra: {
      classes: extraClasses,
      styles: extraStyles,
      attributes: extraAttributes
    }
  };
}

function MissingIcon(error) {
  this.name = 'MissingIcon';
  this.message = error || 'Icon unavailable';
  this.stack = new Error().stack;
}

MissingIcon.prototype = Object.create(Error.prototype);
MissingIcon.prototype.constructor = MissingIcon;

var FILL = { fill: 'currentColor' };
var ANIMATION_BASE = {
  attributeType: 'XML',
  repeatCount: 'indefinite',
  dur: '2s'
};
var RING = {
  tag: 'path',
  attributes: _extends({}, FILL, {
    d: 'M156.5,447.7l-12.6,29.5c-18.7-9.5-35.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z M40.6,272H8.5
  })
};
var OPACITY_ANIMATE = _extends({}, ANIMATION_BASE, {
  attributeName: 'opacity'
});
var DOT = {
  tag: 'circle',
  attributes: _extends({}, FILL, {
    cx: '256',
    cy: '364',
    r: '28'
  }),
  children: [ {
    tag: 'animate',
    attributes: _extends({}, ANIMATION_BASE, {
      attributeName: 'opacity'un}),
    var DOT = { 
      tag: 'circle',
      attributes: _extends({}, ANIMATION_BASE, {
        name: 'ex',
        cx: '256',
        cy: '364',
        r: '28'
      })
    } ];
};
OPACITY_ANIMATE, { values: '0;0;1;1;0;0;' }) }]\n};\n\nvar missing = { tag: 'g', children: [RING, DOT,
QUESTION, EXCLAMATION] };\n\nvar styles = namespace.styles;\n\nvar LAYERS_TEXT_CLASSNAME = 'falayers-text';\nvar FONT_FAMILY_PATTERN = /Font Awesome 5 (Solid|Regular|Light|Brands)/;\nvar
STYLE_TO_PREFIX = {\n 'Solid': 'fas',\n 'Regular': 'far',\n 'Light': 'fal',\n 'Brands': 'fab'\n};\n\nfunction
findIcon(iconName, prefix) {\n var val = {\n found: false,\n width: 512,\n height: 512,\n icon: missing\n
};\n\n if (iconName && prefix && styles[prefix] && styles[prefix][iconName]) {\n var icon =
styles[prefix][iconName];\n var width = icon[0];\n var height = icon[1];\n var vectorData = icon.slice(4);\n\n
val = {\n
found: true,\n
width: width,\n
height: height,\n
icon: { tag: 'path', attributes: { fill:
'currentColor', d: vectorData[0] } }\n };\n } else if (iconName && prefix && !config$1.showMissingIcons) {\n
throw new MissingIcon('Icon is missing for prefix ' + prefix + ' with icon name ' + iconName);\n }\n\n return
val;\n}\n\nfunction generateSvgReplacementMutation(node, nodeMeta) {\n var iconName =
nodeMeta.iconName,\n
title = nodeMeta.title,\n
prefix = nodeMeta.prefix,\n
transform =
nodeMeta.transform,\n
symbol = nodeMeta.symbol,\n
mask = nodeMeta.mask,\n
extra =
nodeMeta.extra;\n\n\n return [node, makeInlineSvgAbstract({\n icons: {\n
main: findIcon(iconName,
prefix),\n
mask: findIcon(mask.iconName, mask.prefix)\n },\n prefix: prefix,\n iconName: iconName,\n
transform: transform,\n symbol: symbol,\n mask: mask,\n title: title,\n extra: extra,\n watchable: true\n
})];\n}\n\nfunction generateLayersText(node, nodeMeta) {\n var title = nodeMeta.title,\n
transform =
nodeMeta.transform,\n
extra = nodeMeta.extra;\n\n\n var width = null;\n var height = null;\n\n if (IS_IE) {\n
var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);\n var boundingClientRect =
node.getBoundingClientRect();\n width = boundingClientRect.width / computedFontSize;\n height =
boundingClientRect.height / computedFontSize;\n }\n\n if (config$1.autoA11y && !title) {\n
extra.attributes['aria-hidden'] = 'true';\n }\n\n return [node, makeLayersTextAbstract({\n content:
node.innerHTML,\n width: width,\n height: height,\n transform: transform,\n title: title,\n extra: extra,\n
watchable: true\n })];\n}\n\nfunction generateMutation(node) {\n var nodeMeta = parseMeta(node);\n\n if
(~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) {\n return generateLayersText(node,
nodeMeta);\n } else {\n return generateSvgReplacementMutation(node, nodeMeta);\n }\n}\n\nfunction
remove(node) {\n if (typeof node.remove === 'function') {\n node.remove();\n } else if (node &&
node.parentNode) {\n node.parentNode.removeChild(node);\n }\n}\n\nfunction searchPseudoElements(root) {\n
if (!IS_DOM) return;\n\n var end = perf.begin('searchPseudoElements');\n\n disableObservation(function () {\n
toArray(root.querySelectorAll('*')).forEach(function (node) {\n
[':before', ':after'].forEach(function (pos) {\n
var styles = WINDOW.getComputedStyle(node, pos);\n
var fontFamily = styles.getPropertyValue('fontfamily').match(FONT_FAMILY_PATTERN);\n
var children = toArray(node.children);\n
var
pseudoElement = children.filter(function (c) {\n
return c.getAttribute(DATA_FA_PSEUDO_ELEMENT) ===
pos;\n
})[0];\n\n
if (pseudoElement) {\n
if (pseudoElement.nextSibling &&
pseudoElement.nextSibling.textContent.indexOf(DATA_FA_PSEUDO_ELEMENT) > -1) {\n
remove(pseudoElement.nextSibling);\n
}\n
remove(pseudoElement);\n
pseudoElement = null;\n
}\n\n
if (fontFamily && !pseudoElement) {\n
var content = styles.getPropertyValue('content');\n
var
i = DOCUMENT.createElement('i');\n
i.setAttribute('class', '' + STYLE_TO_PREFIX[fontFamily[1]]);\n
i.setAttribute(DATA_FA_PSEUDO_ELEMENT, pos);\n
i.innerText = content.length === 3 ?
content.substr(1, 1) : content;\n
if (pos === ':before') {\n
node.insertBefore(i, node.firstChild);\n
}
else {\n
node.appendChild(i);\n
}\n
}\n
});\n });\n });\n\n end();\n}\n\nfunction onTree(root)
return;\n\n var htmlClassList = DOCUMENT.documentElement.classList;\n var hclAdd = function hclAdd(suffix)
{\n return htmlClassList.add(HTML_CLASS_I2SVG_BASE_CLASS + '-' + suffix);\n };\n var hclRemove =
function hclRemove(suffix) {\n return htmlClassList.remove(HTML_CLASS_I2SVG_BASE_CLASS + '-' +
suffix);\n };\n var prefixes = Object.keys(styles);\n var prefixesDomQuery = ['.' +
LAYERS_TEXT_CLASSNAME + ':not([' + DATA_FA_I2SVG + '])'].concat(prefixes.map(function (p) {\n
return '.' + p + ':not([' + DATA_FA_I2SVG + '])';\n })).join(', ');\n\n if (prefixesDomQuery.length === 0) {\n

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```javascript
    _params$transform2 === undefined ? meaninglessTransform : _params$transform2,
    _params$title2 = params.title,
    title = _params$title2 === undefined ? null : _params$title2,
    _params$classes2 = params.classes,
    classes = _params$classes2 === undefined ? [] : _params$classes2,
    _params$attributes2 = params.attributes,
    attributes = _params$attributes2 === undefined ? {} : _params$attributes2,
    _params$styles2 = params.styles,
    styles = _params$styles2 === undefined ? {} : _params$styles2;

    return
    apiObject({ type: 'text', content: content }, function () {
      ensureCss();

      return makeLayersTextAbstract({
        content: content,
        transform: _extends({}, meaninglessTransform, transform),
        title: title,
        extra: {
          attributes: attributes,
          styles: styles,
          classes: [config$1.familyPrefix + '-layers-text'].concat(toConsumableArray(classes))
        }
      });
    });
  });

  var layer = function layer(assembler) {
    return apiObject({ type: 'layer' }, function () {
      ensureCss();

      var children = [];

      assembler(function (args) {
        Array.isArray(args) ? args.map(function (a) {
          children = children.concat(a.abstract);
        }) : children = children.concat(args.abstract);
      });

      return [{
        tag: 'span',
        attributes: { class: config$1.familyPrefix + '-layers' },
        children: children
      }];
    });
  }

  var api$1 = {
    noAuto: noAuto,
    dom: dom,
    library: library,
    parse: parse,
    findIconDefinition: findIconDefinition,
    icon: icon,
    text: text,
    layer: layer
  };

  var autoReplace = function autoReplace() {
    if (IS_DOM && config$1.autoReplaceSvg)
    api$1.dom.i2svg({ node: DOCUMENT });
  };

  function bootstrap() {
    if (IS_BROWSER) {
      if (!WINDOW.FontAwesome) {
        WINDOW.FontAwesome = api$1;
      }

      domready(function () {
        if (Object.keys(namespace.styles).length > 0) {
          autoReplace();
        }

        if (config$1.observeMutations &&
        typeof MutationObserver === 'function') {
          observe({
            treeCallback: onTree,
            nodeCallback: onNode,
            pseudoElementsCallback: searchPseudoElements
          });
        }
      });
    }
  }

  namespace.hooks = _extends({}, namespace.hooks, {
    addPack: function addPack(prefix, icons) {
      namespace.styles[namespace.styles[prefix]] = _extends({}, namespace.styles[namespace.styles[prefix]] || {}, icons);
    },
    addShims: function addShims(shims) {
      var _namespace$shims;

      (_namespace$shims = namespace.shims).push.apply(_namespace$shims, toConsumableArray(shims));
    }
  });

  Object.defineProperty(api$1, 'config', {
    get: function get() {
      return config$1;
    },
    set: function set(newConfig) {
      update(newConfig);
    }
  });

  if (IS_DOM)
  bunker(bootstrap);

  var config = api$1.config;

  export { config, icon, noAuto, layer, text, library, dom, parse, findIconDefinition, domready, onTree, onNode, pseudoElementsCallback: searchPseudoElements };
  export default api$1;
```

ListCache = require('./_ListCache'),
Map = require('./_Map'),
MapCache = require('./_MapCache');

/**
 * Sets the stack `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf Stack
 * @param {string} key The key to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the stack cache instance.
 */
function stackSet(key, value) {
  var data = this.__data__;
  if (data instanceof ListCache) {
    var pairs = data.__data__;
    if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {
      pairs.push([key, value]);
      this.size = ++data.size;
      return this;
    }
    data = this.__data__ = new MapCache(pairs);
  }
  data.set(key, value);
  this.size = data.size;
  return this;
}

module.exports = stackSet;

var prefix = 'fas';
var iconName = 'envelope';
var width = 512;
var height = 512;
var ligatures = [
  width, height, ligatures, 'nclude', 'nCacheData', 'n.exports.faEnvelope = exports.definition.exports.prefix = prefix; exports.name = iconName; exports.width = width; exports.height = height; exports.license = ligatures; exports.uncommon = uncommon; exports.svgPathData = svgPathData;''*/

/**
 * Creates a new empty array.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Util
 * @returns {Array} Returns the new empty array.
 * @example
 *
 * var arrays =_.times(2,_.stubArray);
 *
 * console.log(arrays);
 * // => 
 * [
 *   [],
 *   []
 * ]
 *
 * console.log(arrays[0] === arrays[1]);
 * // => false
 */
function stubArray() {
  return [];
}

module.exports = stubArray;

var baseIsArguments = require('./_baseIsArguments'),
isObjectLike = require('./isObjectLike');

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;

/** Built-in value references. */
var propertyIsEnumerable = objectProto.propertyIsEnumerable;

/**
 * Checks if `value` is like an `arguments` object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an `arguments` object,
 * else `false`.
 * @example
 *
 * _.isArguments(function() { return arguments; }());
 * // => true
 *
 * _.isArguments(
 *   [1, 2, 3]);
 * // => false
 */
var isArguments = baseIsArguments(function() { return arguments; }()) ? baseIsArguments : function(value) {
  return isObjectLike(value) && hasOwnProperty.call(value, 'callee') &&
    !propertyIsEnumerable.call(value, 'callee');
};

module.exports = isArguments;

var root = require('./_root');

/** Used to detect overreaching core-js shims. */
var

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function Hash(entries) {
  var index = -1,
  length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `Hash`.
Hash.prototype.clear = hashClear;
Hash.prototype['delete'] = hashDelete;
Hash.prototype.get = hashGet;
Hash.prototype.has = hashHas;
Hash.prototype.set = hashSet;

module.exports = Hash;

function hasPath(object, path, hasFunc) {
  path = castPath(path, object);

  var index = -1,
  length = path.length,
  result = false;

  while (++index < length) {
    var key = toKey(path[index]);
    if (!(result = object != null && hasFunc(object, key))) {
      break;
    }
    object = object[key];
  }
  if (result || ++index != length) {
    return result;
  }
  length = object == null ? 0 : object.length;
  return !!length && isLength(length) && isIndex(key, length) && (isArray(object) || isArguments(object));
}

module.exports = hasPath;

function castPath(value, object) {
  if (isArray(value)) {
    return value;
  }
  return isKey(value, object) ? [value] : stringToPath(toString(value));
}

module.exports = castPath;

var MapCache = require('./_MapCache');

/** Error message constants. */
var FUNC_ERROR_TEXT = 'Expected a function';

/**
 * Creates a function that memoizes the result of `func`. If `resolver` is
 * provided, it determines the cache key for storing the result based on the
 * arguments provided to the memoized function. By default, the first argument
 * of `func` is used as the memoized function. The `func` is invoked with
 * `this` binding of the memoized function. Its output can be replaced by
 * replacing the `_memoize.Cache` constructor with one whose instances implement
 * the [Map](http://ecma-international.org/ecma-262/7.0/#sec-properties-of-the-map-prototype-object) method interface of `clear`,
 * `delete`, `get`, `has`, and `set` method. Any property of the
 * memoized function is exposed on the output memoized function.
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Function
 * @param {Function} func The function to have its output memoized.
 * @param {Function} [resolver] The function to resolve the cache key.
 * @returns {Function} Returns the new memoized function.
 * @example
 * var object = { 'a': 1, 'b': 2 };

 * var values = _.memoize(_.values);
 * values(object);
 * // => [1, 2]

 * values.cache.set(object, [1, 2]);
 * values(object);
 * // => [1, 2]

 * // Modify the result cache.
 * values.cache.set([a, b], [3, 4]);
 * values([a, b]);
 * // => [3, 4]

 * // Replace `_.memoize.Cache` with
 * // your own implementation.
 */
function memoize(func, resolver) {
  if (typeof func != 'function' || resolver != null && typeof resolver != 'function') {
    throw new TypeError(FUNC_ERROR_TEXT);
  }
  var memoized = function() {
    var args = arguments,
    key = resolver ? resolver.apply(this, args) : args[0],
    object = this;

    if (cache.has(key)) {
      return cache.get(key);
    }
    var result = func.apply(this, args);
    cache.set(key, result);
    return result;
  };

  memoized.cache = new (memoize.Cache || MapCache);
  return memoized;
}

// Expose `MapCache` on all sources that support custom prolongation.
module.exports = memoize;

256z;//

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: {
    width: width,
    height: height,
    ligatures: ligatures,
    unicode: unicode,
    svgPathData: svgPathData
  }
};

exports.faTimes = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

"var baseGet =
require('_/baseGet');

/* A specialized version of 'baseProperty' which supports deep paths.

@private
@returns {Function}
Returns the new accessor function.
*/

function basePropertyDeep(path) {
  return function(object) {
    return baseGet(object, path);
  };
}

module.exports = basePropertyDeep;

"var baseGet =
require('./_baseGet');

/**
 * A specialized version of `baseProperty` which supports deep paths.
 *
 * @private
 * @returns {Function}
 * Returns the new accessor function.
 */

function baseProperty(path) {
  return function(object) {
    return baseGet(object, path);
  };
}

module.exports = baseProperty;

"var isPrototype =
require('./_isPrototype');

/**
 * Returns all key-value entries from the stack.

@returns {Array} Returns all key-value entries from the stack.
*/

function stackClear() {
  this.__data__ = new ListCache;
  this.size = 0;
}

module.exports = stackClear;

"var ListCache =
require('./_ListCache');

/**
 * Removes all key-value entries from the stack.

@returns {Array} Returns all key-value entries from the stack.
*/

function stackClear() {
  this.__data__ = new ListCache;
  this.size = 0;
}

module.exports = stackClear;
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var isBrowser = typeof window !== 'undefined' && typeof document !== 'undefined';

var longerTimeoutBrowsers = ['Edge', 'Trident', 'Firefox'];

var timeoutDuration = 0;

for (var i = 0; i < longerTimeoutBrowsers.length; i += 1) {
  if (isBrowser && navigator.userAgent.indexOf(longerTimeoutBrowsers[i]) >= 0) {
    timeoutDuration = 1;
    break;
  }
}

function microtaskDebounce(fn) {
  var called = false;
  return function () {
    if (called) {
      return;
    }
    called = true;
    window.Promise.resolve().then(function () {
      fn();
    });
  };
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
      }, timeoutDuration);
    }
  };
}

var supportsMicroTasks = isBrowser && window.Promise;

/**
 * Create a debounced version of a method, that's asynchronously deferred but called in the minimum time possible.
 * @method
 * @memberof Popper.Utils
 * @argument {Function} fn
 * @returns {Function}
 */
var debounce = supportsMicroTasks ? microtaskDebounce : taskDebounce;

/**
 * Check if the given variable is a function
 * @method
 * @memberof Popper.Utils
 * @argument {Any} functionToCheck - variable to check
 * @returns {Boolean} answer to: is a function?
 */
function isFunction(functionToCheck) {
  var getType = {};
  return functionToCheck && getType.toString.call(functionToCheck) === '[object Function]';
}

/**
 * Get CSS computed property of the given element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {String} property
 */
function getStyleComputedProperty(element, property) {
  if (element.nodeType !== 1) {
    return {};
  }
  // NOTE: 1 DOM access here
  var window = element.ownerDocument.defaultView;
  var css = window.getComputedStyle(element, null);
  return property ? css[property] : css;
}

/**
 * Returns the parentNode or the host of the element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} parent
 */
function getOffsetParent(element) {
  if (!element) {
    return null;
  }
  return element.parentNode || element.host;
}

/**
 * Returns the scrolling parent of the given element
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} parent
 */
function getScrollParent(element) {
  // Return body, `getScroll` will take care to get the correct `scrollTop` from it
  if (element.nodeType === 1) {
    return element.ownerDocument.body;
  }
  var scrollTop = element.scrollTop;
  if (scrollTop === 0) {
    return element.nodeType === 1 ? element : element.parentNode;
  }
  while (element.nodeType !== 1) {
    element = element.parentNode;
  }
  return element;
}

/**
 * Determines if the browser is Internet Explorer
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Boolean} is IE
 */
function isIE10(element) {
  return !!(window.MSInputMethodContext && window.opera && window.MSInputMethodContext.parentObj) || /MSIE 10/.test(navigator.userAgent);
}

/**
 * Check if the given variable is a function
 * @method
 * @memberof Popper.Utils
 * @argument {Function} fn
 * @returns {Boolean} answer to: is a function?
 */
function isFn(fn) {
  return typeof fn === 'function';
}

*/
var isIE11 = isIE(11);
var isIE10 = isIE(10);
var isIE9 = isIE(9);
var isIE8 = isIE(8);
var isIE7 = isIE(7);
var isIE6 = isIE(6);
var isIE53 = isIE(5.3);
var isIE52 = isIE(5.2);
var isIE51 = isIE(5.1);
var isIE = function(version) {
  return version === 11; // IE11
};

var isFirefox = function() {
  return /
<https://github.com/popperjs/popper-utils/blob/master/LICENSE>

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```javascript
document.documentElement;

var noOffsetParent = isIE(10) ? document.body : null; // NOTE: 1 DOM access here
var offsetParent = element.offsetParent || null; // Skip hidden elements which don't have an offsetParent
while (offsetParent === noOffsetParent && element.nextElementSibling) { 
    offsetParent = (element = element.nextElementSibling).offsetParent;
}

var nodeName = offsetParent.nodeName; 
if (nodeName !== 'BODY') { 
    return element;
}

var elementOwnerDocument = document.documentElement;

var isOffsetContainer = function (element) {
    var nodeName = element.nodeName; 
    if (nodeName === 'BODY') { 
        return false;
    }
    return nodeName === 'HTML'; 
}

function findCommonOffsetParent(element1, element2) { 
    if (!element1 || !element1.nodeType || !element2 || !element2.nodeType) { 
        return document.documentElement;
    }

    var order = element1.compareDocumentPosition(element2) & Node.DOCUMENT_POSITION_FOLLOWING;
    var start = order ? element1 : element2;
    var end = order ? element2 : element1;

    var range = document.createRange();
    range.setStart(start, 0);
    range.setEnd(end, 0);
    var commonAncestorContainer = range.commonAncestorContainer;

    if (commonAncestorContainer && !isOffsetContainer(commonAncestorContainer)) { 
        return getOffsetParent(commonAncestorContainer.host);
    }

    var element1Root = getRoot(element1); 
    var element2Root = getRoot(element2);

    if (element1Root.nodeName !== 'BODY' && element2Root.nodeName !== 'BODY') { 
        return commonAncestorContainer && 
        // This check is needed to avoid errors in case one of the elements isn't defined for any reason
        if (element1 !== commonAncestorContainer && element2 !== commonAncestorContainer) { 
            return findCommonOffsetParent(element1, element2);
        }
    }

    return getRoot(element1OwnerDocument); 
}

function includeScroll(rect, element) { 
    var scrollTop = getScroll(element, 'top');
    var scrollLeft = getScroll(element, 'left');
    var modifier = subtract ? -1 : 1;
    rect.top += modifier * scrollTop;
    rect.left += modifier * scrollLeft;
    rect.bottom += modifier * scrollTop;
    rect.right += modifier * scrollLeft;

    if (arguments.length > 1 && arguments[1] !== undefined) { 
        return rect;
    }

    return rect;
}

function findBordersSize(styles, axis) { 
    var sideA = axis === 'x' ? 'Left' : 'Top';
    var sideB = sideA === 'Left' ? 'Right' : 'Bottom';

    return parseFloat(styles['border' + sideA + 'Size']);
}
```

---

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Subtract margins of documentElement in case it's being used as parent

// we do this only on HTML because it's
the only element that behaves // differently when margins are applied to it. The margins are included in

// the box of the documentElement, in the other cases not.

if (!isIE10 && &isHTML) {
  var marginTop = parseFloat(styles.marginTop, 10);
  var marginLeft = parseFloat(styles.marginLeft, 10);

  offsets.top -= borderTopWidth - marginTop;
  offsets.bottom -= borderTopWidth - marginTop;
  offsets.left -= borderLeftWidth - marginLeft;
  offsets.right -= borderLeftWidth - marginLeft;

  // Attach marginTop and
  // marginLeft because in some circumstances we may need them

  offsets.marginTop = marginTop;
  offsets.marginLeft = marginLeft;

  if (isIE10 && &fixedPosition ? parent.contains(scrollParent) : parent ===

  scrollParent && &scrollParent.nodeName !== 'BODY') {
    offsets = includeScroll(offsets, parent);
  }

  return offsets;
}

function getViewportOffsetRectRelativeToArbitraryNode(element) {

  var html = element.ownerDocument.documentElement;

  var width = Math.max(html.clientWidth, window.innerWidth || 0);
  var height = Math.max(html.clientHeight, window.innerHeight || 0);

  var scrollTop = getScroll(html) : 0;
  var scrollLeft = getScroll(html, 'left') : 0;

  var offset = {
    top: scrollTop - element.offsetTop + element.offsetTop,
    left: scrollLeft - element.offsetLeft + element.offsetLeft,
    width: width,
    height: height
  };

  return getClientRect(offset);
}

/**
 * Check if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {Element} customContainer
 * @returns {Boolean} answer to
 * \isFixed?\ *\n */

function isFixed(element) {
  var nodeName = element.nodeName;

  if (nodeName === 'BODY' || nodeName === 'HTML') {
    return false;
  }

  if (getStyleComputedStyleProperty(element, 'position') === 'fixed') {
    return true;
  }

  return isFixed(getParentNode(element));
}

/**
 * Finds the first parent of an
 * element that has a transformed property defined
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} first transformed parent or documentElement
 */

function getFixedPositionOffsetParent(element) {
  // This check is needed to avoid errors in case one of the elements isn't
  // defined for any reason

  var boundaries = { top: 0, left: 0 };
  var offsetParent = fixedPosition ?

  getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);

  // Handle viewport case

  if (boundariesElement === 'viewport') {
    boundaries =

  getViewportOffsetRectRelativeToArbitraryNode(offsetParent, fixedPosition);
  } else {
    // Handle other cases

    based on DOM element used as boundaries

    var boundariesNode = void 0;

    if (boundariesElement ===

    'scrollParent') {
      boundariesNode = getScrollParent(getParentNodeReference());

      if (boundariesNode.nodeName === 'BODY' {
        boundariesNode = popper.ownerDocument=documentElement;

      } else if (boundariesElement === 'window') {
        boundariesNode =

        popper.ownerDocument=documentElement;

      } else {
        boundariesNode = boundariesNode =

        getOffsetRectRelativeToArbitraryNode(boundariesNode, offsetParent, fixedPosition);
      }

    // In case of

    HTML, we need a different computation

    if (boundariesNode.nodeName === 'HTML' & &

    !isFixed(fixedParent)) {
      var _getWindowSizes = getWindowSizes(popper.ownerDocument),

      height = _getWindowSizes.height,

      width = _getWindowSizes.width;

      boundaries.top += offsets.top -

      boundaries.bottom = height + offsets.top;

      boundaries.left += offsets.left -

      boundaries.right = width + offsets.left;
    }
  }

  return boundaries;
}

function getBoundaries(popper, reference, padding,

  boundariesElement) {


  // NOTE: 1 DOM access here\n
  var boundaries = [

  top: 0, left: 0 ];

  if (varParent = fixedPosition ?

  getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);

  // Handle viewport case\n
  if (boundariesElement === 'viewport') {
    // boundaries =

  getViewportOffsetRectRelativeToArbitraryNode(offsetParent, fixedPosition);

  } else {
    // Handle other cases

    based on DOM element used as boundaries

    var boundariesNode = void 0;

    if (boundariesElement ===

    'scrollParent') {
      boundariesNode = getScrollParent(getParentNodeReference());

      if (boundariesNode.nodeName === 'BODY' {
        boundariesNode = popper.ownerDocument=documentElement;

      } else if (boundariesElement === 'window') {
        boundariesNode =

        popper.ownerDocument=documentElement;

      } else {
        boundariesNode = boundariesNode =

        getOffsetRectRelativeToArbitraryNode(boundariesNode, offsetParent, fixedPosition);
      }

    // In case of

    HTML, we need a different computation

    if (boundariesNode.nodeName === 'HTML' & &

    !isFixed(fixedParent)) {
      var _getWindowSizes = getWindowSizes(popper.ownerDocument),

      height = _getWindowSizes.height,

      width = _getWindowSizes.width;

      boundaries.top += offsets.top -

      boundaries.bottom = height + offsets.top;

      boundaries.left += offsets.left -

      boundaries.right = width + offsets.left;
    }
  }

  return boundaries;
}
this one is good

boundaries = offsets;

if (padding == undefined) padding = { top: 0, right: 0, bottom: 0, left: 0 }; boundaries.left += isPaddingNumber ? padding.left : 0; boundaries.top += isPaddingNumber ? padding.top : 0; boundaries.right -= isPaddingNumber ? padding.right : 0; boundaries.bottom -= isPaddingNumber ? padding.bottom : 0;

return boundaries;

function getArea(_ref) {
  var width = _ref.width,
      height = _ref.height;
  return width * height;
}

/**
 * Utility used to transform the `auto` placement to the placement with more available space.
 *
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) {

  if (placement.indexOf('auto') === -1) {
    return placement;
  }

  var boundaries = getBoundaries(popper, reference, padding, boundariesElement);

  var rects = {
    top: {
      width: boundaries.width,
      height: refRect.top - boundaries.top
    },
    right: {
      width: boundaries.right - refRect.right,
      height: boundaries.height
    },
    bottom: {
      width: boundaries.width,
      height: boundaries.bottom - refRect.bottom
    },
    left: {
      width: refRect.left - boundaries.left,
      height: boundaries.height
    }
  };

  var sortedAreas = Object.keys(rects).map(function (key) {
    return {
      key: key
    }, rects[key], {
      area: getArea(rects[key])
    });
  }).sort(function (a, b) {
    return b.area - a.area;
  });

  var filteredAreas = sortedAreas.filter(function (_ref2) {
    var width = _ref2.width,
        height = _ref2.height;
    return width >= popper.clientWidth && height >= popper.clientHeight;
  });

  var computedPlacement = filteredAreas.length > 0 ? filteredAreas[0].key : sortedAreas[0].key;

  var variation = placement.split('-')[1];

  return computedPlacement + (variation ? '-' + variation : '');
}

/**
 * Get offsets to the reference element
 *
 * @method
 * @memberof Popper.Utils
 * @param {Object} state
 * @param {Object} popper - the popper element
 * @param {Object} reference - the reference element (the popper will be relative to this)
 * @param {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function getReferenceOffsets(state, popper, reference) {

  var commonOffsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);
  return getOffsetRectRelativeToArbitraryNode(reference, commonOffsetParent, fixedPosition);
}

/**
 * Get the outer sizes of the given element (offset size + margins)
 *
 * @method
 * @memberof Popper.Utils
 * @param {Element} element
 * @returns {Object} object containing width and height properties
 */
function getOuterSizes(element) {
  var window = element.ownerDocument.defaultView;
  var styles = window.getComputedStyle(element);
  var x = parseFloat(styles.marginTop) + parseFloat(styles.borderTop) + parseFloat(styles.paddingTop) + parseFloat(styles.marginBottom) + parseFloat(styles.borderBottom) + parseFloat(styles.paddingBottom);
  var y = parseFloat(styles.marginLeft) + parseFloat(styles.borderLeft) + parseFloat(styles.paddingLeft) + parseFloat(styles.marginRight);

  var result = {
    width: x + y,
    height: y + x
  }; return result;
}

/**
 * Get the opposite placement of the given one
 *
 * @method
 * @memberof Popper.Utils
 * @param {String} placement
 * @returns {String} flipped placement
 */
function getOppositePlacement(placement) {
  var hash = { left: 'right', right: 'left', bottom: 'top', top: 'bottom' },
      flipped = placement.split('-')[0] + '-' + getOppositePlacement(placement.split('-')[1]); return flipped;
}

/**
 * Get offsets to the popper
 *
 * @method
 * @memberof Popper.Utils
 * @param {Object} position - CSS position the Popper will get applied
 * @param {Object} popper - the popper element
 * @param {Object} reference - the reference element (the popper will be relative to this)
 * @param {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function getPopperOffsets(popper, referenceOffsets, placement) {
  placement = placement.split('-')[0];
}

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var secondaryMeasurement = !isHoriz ? 'height' : 'width';


if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets(getOppositePlacement(secondarySide));
}

var return popperOffsets = (arr, check) => {
  // use native find if supported
  if (Array.prototype.find) {
    return arr.find(check);
  }

  // use `filter` to obtain the same behavior of `find`
  return arr.filter(check)[0];
}

/**
 * Mimics the `find` method of Array
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument {String} prop
 * @argument value
 * @returns index or -1
 */
function find(arr, prop, value) {
  // use native find if supported
  if (Array.prototype.findIndex) {
    return arr.findIndex(function (cur) {
      return cur[prop] === value;
    });
  }

  // use `find` + `indexOf` if `findIndex` isn't supported
  var match = find(arr, function (obj) {
    return obj[prop] === value;
  });
  return arr.indexOf(match);
}

/**
 * Return the index of the matching object
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument {String} prop
 * @argument value
 * @returns index or -1
 */
function findIndex(arr, prop, value) {
  // use native findIndex if supported
  if (Array.prototype.findIndex) {
    return arr.findIndex(function (cur) {
      return cur[prop] === value;
    });
  }

  // use `find` + `indexOf` if `findIndex` isn't supported
  var match = find(arr, function (obj) {
    return obj[prop] === value;
  });
  return arr.indexOf(match);
}

/**
 * Loop trough the list of modifiers and run
 * them in order, each of them will then edit the data object.
 * @method
 * @memberof Popper.Utils
 * @param {Array} modifiers
 * @param {String} ends - Optional modifier name used as stopper
 * @returns {dataObject}
 */
function runModifiers(modifiers, data, ends) {
  var modifiersToRun = ends === undefined ? modifiers : modifiers.slice(0, findIndex(modifiers, 'name', ends));

  modifiersToRun.forEach(function (modifier) {
    // eslint-disable-line dot-notation
    if (modifier.function) {
      console.warn('`modifier.function` is deprecated, use `modifier.fn`!');
    }
    var fn = modifier.function || modifier.fn; // eslint-disable-line dot-notation
    if (modifier.enabled && isFunction(fn)) {
      data.offsets.popper = getClientRect(data.offsets.popper);
      data.offsets.reference = getClientRect(data.offsets.reference);
      data = fn(data, modifier);
    }
  });

  return data;
}

/**
 * Updates the position of the popper, computing the new offsets and applying
 * the new style.
 * Prefer `scheduleUpdate` over `update` because of performance reasons.
 * @method
 * @memberof Popper
 */
function update() {
  // if popper is destroyed, don't perform any further update
  if (this.state.isDestroyed) {
    return;
  }

  var data = {
    instance: this,
    styles: {},
    arrowStyles: {},
    attributes: {},
    flipped: false,
    offsets: {},
    originalPlacement: this.options.placement,
    positionFixed: this.options.positionFixed,
  };

  // compute reference element offsets
  data.offsets.reference = getReferenceOffsets(this.state, this.popper, this.reference, this.options.positionFixed);

  // compute auto placement, store placement inside the data object,
  // modifiers will be able to edit `placement` if needed
  // and refer to originalPlacement to know the original value
  data.placement = computeAutoPlacement(this.options.placement, data.offsets.reference, this.popper, this.reference, this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);

  // compute the popper offsets
  data.offsets.popper = getPopperOffsets(this.popper, data.offsets.reference, data.placement);

  // run the modifiers
  data = runModifiers(this.modifiers, data);

  // the first `update` will call `onCreate` callback
  // the other ones will call `onUpdate` callback
  if (!this.state.isCreated) {
    this.state.isCreated = true;
    this.options.onCreate(data);
  } else {
    this.options.onUpdate(data);
  }
}

/**
 * Helper used to know if the given modifier is enabled.
 * @method
 * @memberof Popper
 * @argument {String} modifierName
 * @returns {Boolean}
 */
function isModifierEnabled(modifierName) {
  return this.modifiers.some(function (_ref) {
    var name = _ref.name,
        enabled = _ref.enabled;
    return enabled && name === modifierName;
  });
}

/**
 * Get the prefixed supported property name
 * @method
 * @memberof Popper
 * @argument {String} property
 * @returns {String}
 */
function getSupportedPropertyName(property) {
  var prefixes = [false, 'ms', 'Webkit', 'Moz', 'O'];
  var upperProp = property.charAt(0).toUpperCase() + property.slice(1);
  var prefixes = ['false', 'ms', 'Webkit', 'Moz', 'O'];
  var var prefix = prefixes[i];
  var toCheck = prefix
}
?" + prefix + upperProp : property;
    if (typeof document.body.style[toCheck] !== 'undefined') {
      return
    } else {
      return null;
    }
  }
  return
}

/**
 * Destroys the popper.
 * @method
 * @memberof Popper
 */
function destroy() {
  this.state.isDestroyed = true;
  return
}

/**
 * Get the window associated with the element.
 * @argument {Element} element
 * @returns {Window}
 */
function getWindow(element) {
  var ownerDocument = element.ownerDocument;
  return
}

/**
 * Set the style to the given popper.
 * @method
 * @memberof Popper
 * @argument {Element} element
 * @argument {Object} styles
 * @returns {void}
 */
function setStyles(element, styles) {
  Object.keys(styles).forEach(function (prop) {
    var unit = 
    if (['width', 'height', 'top', 'right', 'bottom', 'left'].indexOf(prop) !== -1 && isNumeric(styles[prop])) {
      unit = 'px';
    } else {
      unit = '';
    }
    element.style[prop] = styles[prop] + unit;
  });
}

/**
 * Set the attributes to the given popper.
 * @method
 * @memberof Popper
 * @argument {Element} element
 * @argument {Object} attributes
 * @returns {void}
 */
function setAttributes(element, attributes) {
  Object.keys(attributes).forEach(function (prop) {
    var value = attributes[prop];
    if (value !== false) {
      element.setAttribute(prop, attributes[prop]);
    } else {
      element.removeAttribute(prop);
    }
  });
}

/**
 * Checks if the given input is a number.
 * @function
 * @memberof Modifiers
 * @argument
 * @returns {boolean}
 */
function isNumeric(n) {
  return n !== '' && !isNaN(parseFloat(n)) && isFinite(n);
}

/**
 * Enables the event listener.
 * @method
 * @memberof Popper
 */
function enableEventListeners() {
  if (!this.state.eventsEnabled) {
    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
  }
}

/**
 * Disables the event listener.
 * @method
 * @memberof Popper
 */
function disableEventListeners() {
  if (this.state.eventsEnabled) {
    cancelAnimationFrame(this.scheduleUpdate);
    this.state = removeEventListeners(this.reference, this.state);
  }
}

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function applyStyle(data) {
  // any property present in `data.styles` will be applied to the popper,
  // in this way we can make the 3rd party modifiers add custom styles to it
  setStyles(data.instance.popper, data.styles);

  // any property present in `data.attributes` will be applied to the popper,
  // they will be set as HTML attributes of the element
  setAttributes(data.instance.popper, data.attributes);

  // if arrowElement is defined and arrowStyles has some properties
  if (data.arrowElement && Object.keys(data.arrowStyles).length) {
    setStyles(data.arrowElement, data.arrowStyles);
  }

  return data;
}

function computeStyle(data, options) {
  var x = options.x,
      y = options.y;
  var popper = data.offsets.popper;

  // Remove this legacy support in Popper.js v2

  var legacyGpuAccelerationOption = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'applyStyle';
  }).gpuAcceleration;
  if (legacyGpuAccelerationOption !== undefined) {
    console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported
    in future versions of Popper.js!');
  }
  var gpuAcceleration = legacyGpuAccelerationOption !== undefined ?
    legacyGpuAccelerationOption : options.gpuAcceleration;

  var offsetParent =
    getOffsetParent(data.instance.popper);
  var offsetParentRect =
    getBoundingClientRect(offsetParent);

  // Styles
  var styles = {
    position: popper.position
  };

  // Avoid blurry text by using full pixel integers.
  // For pixel-perfect positioning, top/bottom prefers rounded
  // values, while left/right prefers floored values.

  var offsetValues = {
    left: Math.floor(popper.left),
    top: Math.round(popper.top),
    right: Math.floor(popper.right),
    bottom: Math.round(popper.bottom)
  };

  if (x === 'bottom') {
    offsetValues.top =
      offsetParentRect.height - offsetValues.bottom;
  } else {
    offsetValues.top = offsetValues.bottom;
  }

  if (y === 'right') {
    offsetValues.left =
      offsetParentRect.width - offsetValues.right;
  } else {
    offsetValues.left = offsetValues.right;
  }

  return offsetValues;
```javascript
= -offsetParent.clientWidth + offsets.right;
else {
  left = -offsetParentRect.width + offsets.right;
}
}

if (gpuAcceleration && prefixedProperty)
{ styles[prefixedProperty] = 'translate3d(' + left + 'px, ' + top + 'px, 0);'
  styles[sidE] = 0;
  styles[sidB] = 0;
  styles.willChange = 'transform';
} else { // otherwise, we use the standard 'top', 'left', 'bottom' and 'right' properties
  var invertTop = sidE === 'bottom'? -1 : 1;
  var invertLeft = sidB === 'right'? -1 : 1;
  styles[sidE] = top * invertTop;
  styles[sidB] = left * invertLeft;
  styles.willChange = sidA + '+' + sidB; }

// Attributes
var attributes = { 'x-placement': data.placement };
// Update `data` attributes, styles and arrowStyles
data.attributes = _extends({}, attributes, data.attributes);
data.styles = _extends({}, styles, data.styles);
data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);
data.return data;

/**
 * Helper used to know if the given modifier depends from another one.<br />
 * It checks if the needed modifier is listed and enabled.
 */
@method @memberof Popper.Utils
@name isModifierRequired
@description recommended when a modifier is not included before another one the warning will appear.

function isModifierRequired(modifiers, requestingName, requestedName)
{
  var requesting = find(modifiers, function (_ref)
  {
    var name = _ref.name;
    return name === requestingName;
  });

  var isRequired = !!requesting && modifiers.some(function (modifier)
  {
    return modifier.name === requestedName && modifier.enabled && modifier.order < requesting.order;
  });

  if (!isRequired) {
    var _requesting = '`' + requestingName + '`';
    var requested = '`' + requestedName + '`';
    console.warn(requested + ' modifier is required by ' + _requesting + ' modifier in order to work, be sure to include it before ' + _requesting + '!');
  }
  return isRequired;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function arrow(data, options)
{
  var _data$offsets$arrow;

  // arrow depends on keepTogether in order to work
  if (!isModifierRequired(data.instance.modifiers, 'arrow', 'keepTogether')) {
    return data;
  }

  var arrowElement = options.element;

  // if arrowElement is a string, suppose it's a CSS selector
  if (typeof arrowElement === 'string') {
    arrowElement = data.instance.popper.querySelector(arrowElement);

    // if arrowElement is not found, don't run the modifier
    if (!arrowElement) {
      return data;
    }
  } else {
    // if the arrowElement isn't a query selector we must check that the
    // provided DOM node is child of its popper node
    if (!data.instance.popper.contains(arrowElement)) {
      console.warn('WARNING: `arrow.element` must be child of its popper element!');
    }
    return data;
  }

  var placement = data.placement.split('-')[0];
  var _data$offsets = data.offsets;

  var isVertical = ['left', 'right'].indexOf(placement) !== -1;
  var len = isVertical ? 'height' : 'width';
  var sideCapitalized = isVertical ? 'Top' : 'Left';
  var side = sideCapitalized.toLowerCase();
  var altSide = isVertical ? 'left' : 'top';
  var opSide = isVertical ? 'bottom' : 'right';
  var arrowElementSize = getOuterSizes(arrowElement)[len];
  // extends keepTogether behavior making sure the popper and its
  // reference have enough pixels in conjunction
  // if reference[opSide] - arrowElementSize < popper[side])
  // bottom/right side
  if (reference[side] + arrowElementSize > popper[opSide])
    data.data.offsets.popper[side] += reference[side] + arrowElementSize - popper[opSide];
  }
  data.data.offsets.popper = getClientRect(data.data.offsets.popper);
  // compute center of the popper
  var center = reference[side] + reference[len] / 2 - arrowElementSize / 2;
  // Compute the sizeValue using the updated popper offsets
  // take popper margin in account because we don't have this info available
  var css = getStyleComputedProperty(data.instance.popper);
  var popperMarginSize = parseFloat(css['margin' + sideCapitalized], 10);
  var popperBorderSize = parseFloat(css['border' + sideCapitalized + 'Width'], 10);
  var sideValue = center - data.data.offsets.popper[side] - popperMarginSize - popperBorderSize;

  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popper.len - arrowElementSize, sideValue), 0);
  data.data.arrowElement = arrowElement;
  data.data.offsets.arrow = (_data.data.offsets$arrow = {});
  defineProperty(_data.data.offsets$arrow, side, Math.round(sideValue));
  defineProperty(_data.data.offsets$arrow, altSide, _data.data.offsets$arrow);
  return data;
}
```

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opposite placement variation of the given one

* @method
* @memberof Popper.Utils
* @argument {String} placement variation
* @returns {String} flipped placement variation
*/
function getOppositeVariation(variation) {
  if (variation === 'end') {
    return 'start';
  } else if (variation === 'start') {
    return 'end';
  }
  return variation;
}

/**
 * List of accepted placements to use as values of the `placement`
 * option.<br />
 * Valid placements are:<br />
 * `auto`, `top`, `right`, `bottom`, `left`, `start`, `end`
 * Each placement can have a variation from this list:<br />
 * `start`, `end`, `left`, `right`, `top`, `bottom`, `auto`<br />
 * Variations are interpreted easily if you think of them as the left to right written languages. Horizontally (`top` and `bottom`), `start` is left and `end` is right.<br />
 * Vertically (`left` and `right`), `start` is top and `end` is bottom.<br />
 * Some valid examples are:<br />
 * `top-end`, `right-start`, `bottom`, `auto-end`<br />
 * Get rid of `auto` and `auto-end`<br />
 * var validPlacements = placements.slice(3);<br />
 * Given an initial placement, returns all the subsequent placements<br />
 * clockwise (or counter-clockwise).<br />
 * @method
* @memberof Popper.Utils
* @argument {String} placement - A valid placement (it accepts variations)<br />
* @argument {Boolean} counter - Set to true to walk the placements clockwise or counter-clockwise<br />
* @returns {Array} placements including their variations
*/
function clockwise(placement) {
  var var index = validPlacements.indexOf(placement);
  var arr = validPlacements.slice(index + 1).concat(validPlacements.slice(0, index));
  return counter ? arr.reverse() : arr;
}

var BEHAVIORS = {
  FLIP: 'flip',
  CLOCKWISE: 'clockwise',
  COUNTERCLOCKWISE: 'counterclockwise'
};

/**
 * Given an initial placement, returns all the subsequent placements<br />
 * clockwise (or counter-clockwise).<br />
 * @method
* @memberof Popper.Utils
* @argument {Object} data - The data object generated by update method<br />
* @argument {Object} options - Modifiers configuration and options<br />
* @returns {Object} The data object, properly modified<br />
*/
function flip(data, options) {
  // if `inner` modifier is enabled, we can't use the flip modifier
  if (isModifierEnabled(data.instance.modifiers, 'inner')) {
    return data;
  }

  if (data.flipped && data.placement === data.originalPlacement) {
    // seems like flip is trying to loop, probably there's not enough space on any of the flippable sides<br />
    return data;
  }

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding, options.boundariesElement, data.positionFixed);
  var var placement = data.placement.split('-')[0];
  var var placementOpposite = getOppositePlacement(placement);
  var var variation = data.placement.split('-')[1] || '';
  var var flipOrder = [ ];
  var switch (options.behavior) {
    case BEHAVIORS.FLIP:
      flipOrder = [placement, placementOpposite];
    case BEHAVIORS.CLOCKWISE:
      flipOrder = clockwise(placement);
    case BEHAVIORS.COUNTERCLOCKWISE:
      flipOrder = clockwicse(placement, true);
    default:
      flipOrder = options.behavior;
  }
  var flipOrder.length === index + 1) {
    return data;
  }
  var placement = data.placement.split('-')[0];
  var var popperOffsets = data.offsets.popper;
  var refOffsets = data.offsets.reference;
  // using floor because the reference offsets may contain decimals we are not going to consider here
  var floor = Math.floor;
  var var overlapsRef = placement === 'left' &
  floor(popperOffsets.right > floor(refOffsets.left) || placement === 'right' &
  floor(refOffsets.right) || placement === 'top' &
  floor(popperOffsets.bottom) > floor(refOffsets.top) || placement === 'bottom' &
  floor(popperOffsets.top) < floor(refOffsets.bottom);
isVertical && variation === 'start' && overlapsTop || isVertical && variation === 'end' && overlapsBottom

if (overlapsRef || overflowsBoundaries || flippedVariation) {
  data.placement = flipOrder[index + 1];
}

if (overlapsRef || overflowsBoundaries || flippedVariation) {
  // this boolean to detect any flip loop
  data.flipped = true;

  if (overlapsRef || overflowsBoundaries) {
    placement = flipOrder[index + 1];
  }

  if (flippedVariation) {
    variation = getOppositeVariation(variation);
  }

  data.placement = placement + (variation ? '-' + variation : '');

  // this object contains 'position', we want to preserve it along with
  // any additional property we may add in the future
  data.offsets.popper = _extends({}, data.offsets.popper, getPopperOffsets(data.instance.popper, data.offsets.reference, data.placement));

  data = runModifiers(data.instance.modifiers, data, 'flip');
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object}
 */
function keepTogether(data) {
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var placement = data.placement.split('-')[0];
  var floor = Math.floor;
  var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
  var side = isVertical ? 'right' : 'bottom';
  var opSide = isVertical ? 'left' : 'top';
  var measurement = isVertical ? 'width' : 'height';

  if (popper[side] < floor(reference[opSide])) {
    data.offsets.popper[opSide] = floor(reference[opSide]) - popper[measurement];
  }
  if (popper[opSide] > floor(reference[side])) {
    data.offsets.popper[opSide] = floor(reference[side]);
  }

  return data;
}

/**
 * Converts a string containing value + unit into a px value number
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} str - Value + unit string
 * @argument {String} measurement - `height` or `width`
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @returns {Number|String}
 * Value in pixels, or original string if no values were extracted
 */
function toValue(str, measurement, popperOffsets, referenceOffsets) {
  // separate value from unit
  var split = str.match(/((?:-|\+)?\d*\.?\d*)(.*)/);
  var value = +split[1];
  var unit = split[2];

  // If it's not a number it's an operator, I guess
  if (!value) {
    return str;
  }

  if (unit.indexOf('%') === 0) {
    var element = void 0;
    switch (unit) {
      case '%p':
        element = popperOffsets;
        break;
      case '%':
      case '%r':
      default:
        element = referenceOffsets;
    }

    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh' || unit === 'vw') {
    // if is a vh or vw, we calculate the size based on the
    // viewport var size = void 0;
    if (unit === 'vh') {
      var size = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);
    } else {
      var size = Math.max(document.documentElement.clientWidth, window.innerWidth || 0);
    }

    var size = void 0;
    if (unit === 'vh') {
      var size = document.documentElement.clientHeight;
    } else {
      var size = document.documentElement.clientWidth;
    }

    return value * size / 100;
  }

  // if is an explicit pixel unit, we get rid of the unit and keep the value
  // if is an implicit unit, it's px, and we return just the value
  return value;
}

/**
 * Parse an `offset` string to extrapolate x and y numeric offsets.
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} offset
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @argument {String} basePlacement
 * @returns {Array} a two cells array with x and y offsets in numbers
 */
function parseOffset(offset, popperOffsets, referenceOffsets, basePlacement) {
  var offsets = [0, 0];

  // Use height if placement is left or right and index is 0 otherwise use width
  // in this way the first offset will use an axis and the second one will use the other axis
  if (placed[0] && (placed[0] === 'left' || placed[0] === 'right') && index === 0) {
    // Detect if the offset string contains a pair of values or a single one
    // they could be separated by comma or space
    var offset = fragments.indexOf(find(fragments, function (frag) {
      return frag.search(/,|\s+/) === -1;
    }));

    // Split the offset string to obtain a list of values and operands
    // The regex addresses values with the plus or minus sign
    var fragments = offset.split(/(\+|\-)/).map(function (frag) {
      return frag.trim();
    });

    // If it's not a number it's an operator, I guess
    if (!fragments[index]) {
      return fragments[index];
    }

    var value = fragments[index].split(' ').map(function (part) {
      return part.trim();
    });

    var value = value[0];

    if (value[0] === '') {
      return fragments[index];
    } else {
      return value[0];
    }
}

/**
 * Convert the values with units to absolute pixels to allow our computations
 * ops = ops.map(function (op, index) {
 * // ...```
the units rely on the orientation of the popper
var measurement = (index === 1 ? !useHeight : useHeight) ? 'height' : 'width';
var mergeWithPrevious = false;
return op
  // This aggregates any '+' or '-' sign that aren't considered operators
  // e.g.: 10 + +5 => [10, +, +5]
  .reduce(function (a, b) {
    if (a.length - 1 === '' && ['+', '-'].indexOf(b) !== -1) {
      a[a.length - 1] = b;
      mergeWithPrevious = true;
    } else if (mergeWithPrevious) {
      a[a.length - 1] += b;
      mergeWithPrevious = false;
    } else {
      return a;
    }
  }, [])
  // Here we convert the string values into number values (in px)
  .map(function (str) {
    return toValue(str, measurement, popperOffsets, referenceOffsets);
  })
  // Loop trough the offsets arrays and execute the operations
  .forEach(function (op, index) {
    op.forEach(function (frag, index2) {
      if (isNumeric(frag)) {
        offsets[index] += frag * (op[index2 - 1] === '-' ? -1 : 1);
      }
    });
  });
  return offsets;
}

/**
 * @function
 * @memberof Modifiers
 *
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function offset(data, _ref) {
  var offset = _ref.offset;
  var placement = data.placement,
      data$offsets = data.offsets,
      popper = data$offsets.popper,
      reference = data$offsets.reference;

  var basePlacement = placement.split('-')[0];

  var offsets = void 0;
  if (isNumeric(+offset)) {
    offsets = [+offset, 0];
  } else {
    offsets = parseOffset(offset, popper, reference, basePlacement);
  }

  if (basePlacement === 'left') {
    popper.top += offsets[0];
    popper.left -= offsets[1];
  } else if (basePlacement === 'right') {
    popper.top += offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'top') {
    popper.top += offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'bottom') {
    popper.top -= offsets[0];
    popper.left += offsets[1];
  }

  data.popper = popper;
  data.offsets = data$offsets;
  data = offset(data, options);
  return data;
}

/**
 * @function
 * @memberof Modifiers
 *
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function shift(data) {
  var placement = data.placement;
  var

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### Shift Modifier

The `shift` modifier can shift your popper on both its axis. It accepts the

```javascript
{Boolean} enabled=true - Whether the modifier is enabled or not
{number} order=100 - Index used to define the order of execution
```

**Return**

- `data`: The data object, properly modified

```javascript
function shift(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var shiftvariation = placement.split('-')[1];
  if (shiftvariation) {
    var _data$offsets = data.offsets,
        reference = _data$offsets.reference,
        popper = _data$offsets.popper;
    var isVertical = ['bottom', 'top'].indexOf(basePlacement) === -1;
    var side = isVertical ? 'left' : 'top';
    var measurement = isVertical ? 'width' : 'height';
    var shiftOffsets = {
      'start': defineProperty({}, side, reference[side]),
      'end': defineProperty({}, side, reference[side] + reference[measurement] - popper[measurement])
    };
    data.offsets.popper = _extends({}, popper, shiftOffsets[shiftvariation]);
    return data;
  }

  data.placement = getOppositePlacement(placement);
  return data;
}
```

### Hide Modifier

The `hide` modifier is used to hide your popper. It has the following

```javascript
var hide = data => {
  if (!isModifierRequired(data.instance.modifiers, 'hide', 'preventOverflow')) {
    return data;
  }

  var refRect = data.offsets.popper;
  var bound = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'preventOverflow';
  }).boundaries;

  if (refRect.bottom < bound.top || refRect.left > bound.right || refRect.top > bound.bottom || refRect.right < bound.left) {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (data.hide !== true) {
      return data;
    }

    data.hide = true;
    data.attributes['x-out-of-boundaries'] = '';
  } else {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (data.hide === false) {
      return data;
    }

    data.hide = false;
    data.attributes['x-out-of-boundaries'] = false;
    return data;
  }

  return data;
}
```

### Prevent Overflow Modifier

The `preventOverflow` modifier is used to prevent your popper from

```javascript
var preventOverflow = data => {
  if (find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'preventOverflow';
  }).boundaries) {
    return data;
  }

  var refRect = data.offsets.reference;
  var bound = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'preventOverflow';
  }).boundaries;

  if (refRect.bottom < bound.top || refRect.left > bound.right || refRect.top > bound.bottom || refRect.right < bound.left) {
    // Avoid unnecessary DOM access if visibility hasn't changed
    if (data.hide === false) {
      return data;
    }

    data.hide = false;
    data.attributes['x-out-of-boundaries'] = false;
    return data;
  }

  return data;
}
```

### Additional Meta Information

- **Note:** The `shift` modifier can shift your popper on both its axis. It accepts the following units:
  - `px` or unit-less, interpreted as pixels
  - `%` or `%r`, percentage relative to the length of the reference element
  - `vh`, CSS viewport height unit
  - `vw`, CSS viewport width unit
  - `vh`, CSS viewport height unit
  - `vw`, CSS viewport width unit
  - `vh`, CSS viewport height unit
  - `vw`, CSS viewport width unit

- **Validation:** Valid examples are:
  - `10%`
  - `10px + 5vh`
  - `10, 10`
  - `10%, 10`
  - `10 + 10%`
  - `10 - 5vh + 3%`
  - `-10px + 5vh`
  - `5px - 6%`
  - `10 - 5vh + 3%`
  - `-10px + 5vh, 5px - 6%

- **NB:** If you desire to apply offsets to your
poppers in a way that may make them overlap
\>
with their reference element, unfortunately, you will have to
disable the ‘flip’ modifier.\>
\>
You can read more on this at this
issue[issue](https://github.com/FezVrasta/popper.js/issues/373).

In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"
\>
When ‘escapeWithReference’ is set to ‘true’ and reference is completely
\>
outside its boundaries, the popper will
overflow (or completely leave) * the boundaries in order to remain attached to the edge of the reference.

\>
** offset: {
  /** @prop {number} order=200 - Index used to define the order of execution */
  order: 200,

  /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
  enabled: true,

  /** @prop {ModifierFn} */
  fn: offset,

  /** @prop {Number|String} offset=0 */
  offset: 0
}

The offset value as described in the modifier description
\>
- if it has ‘\espaced the boundaries’ — or just ‘\espaced’.
\>
In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"

- A scenario exists where the reference itself is not within the
boundaries.\>
\>
We can say it has ‘\espaced the boundaries’ — or just ‘\espaced’.

- In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"

- A scenario exists where the reference itself is not within the
boundaries. <br />
\>
It cares only about the first axis. You can still have poppers with margin
\>
- between the popper and its reference element.

- @memberof modifiers

- @inner

- @preventOverflow: {

  /** @prop {number} order=300 - Index used to define the order of execution */
  order: 300,

  /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
  enabled: true,

  /** @prop {ModifierFn} */
  fn: preventOverflow,

  /** @prop {Array} [priority=[‘left’, ‘right’, ‘top’, ‘bottom’]] */
  priority: [‘left’, ‘right’, ‘top’, ‘bottom’],

  /** @prop {Number|String} padding=5 */
  padding: 5
}

- Amount of pixel used to define a minimum distance between the boundaries
\>
- and the popper. This makes sure the popper always has a little padding
\>
- between the edges of its container

- @memberof modifiers

- @inner

- @keepTogether: {

  /** @prop {number} order=400 - Index used to define the order of execution */
  order: 400,

  /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
  enabled: true,

  /** @prop {ModifierFn} */
  fn: keepTogether
}

- This modifier is used to move the ‘arrowElement’ of the popper to make
\>
sure it is positioned between the reference element and its popper element.

- It will read the outer size of the ‘arrowElement’ node to detect how
\>
many pixels of conjunction are needed.

- It has no effect if no ‘arrowElement’ is provided.

- @memberof modifiers

- @inner

- @arrow: {

  /** @prop {number} order=500 - Index used to define the order of execution */
  order: 500,

  /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
  enabled: true,

  /** @prop {ModifierFn} */
  fn: arrow,

  /** @prop {String|HTMLElement} element=’[x-arrow]’ */
  element: ‘[x-arrow]’
}

- This modifier is used to move the ‘arrowElement’ of the popper to make
\>
sure it is positioned between the reference element and its popper element.

- It will read the outer size of the ‘arrowElement’ node to detect how
\>
many pixels of conjunction are needed.

- It has no effect if no ‘arrowElement’ is provided.

- @memberof modifiers

- @inner

- @flip: {

  /** @prop {number} order=600 - Index used to define the order of execution */
  order: 600,

  /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
  enabled: true,

  /** @prop {ModifierFn} */
  fn: flip,

  /** @prop {String|Array} [behavior=’flip’] */
  behavior: [‘flip’]
}

- The behavior used to change the popper’s placement. It can be one of
\>
- ‘flip’, ‘clockwise’, ‘counterclockwise’ or an array with a list of valid
\>
- placements (with optional variations).

- @memberof modifiers

- @inner

- @preventOverflow: {

  /** @prop {number} order=300 - Index used to define the order of execution */
  order: 300,

  /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
  enabled: true,

  /** @prop {ModifierFn} */
  fn: preventOverflow,

  /** @prop {Number|String} offset=0 */
  offset: 0
}

- The offset value as described in the modifier description
\>
- If it has ‘\espaced the boundaries’ — or just ‘\espaced’.

- In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"

- A scenario exists where the reference itself is not within the
boundaries. <br />
\>
We can say it has ‘\espaced the boundaries’ — or just ‘\espaced’.

- In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"

- A scenario exists where the reference itself is not within the
boundaries. <br />
\>
We can say it has ‘\espaced the boundaries’ — or just ‘\espaced’.

- In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"

- A scenario exists where the reference itself is not within the
boundaries. <br />
\>
We can say it has ‘\espaced the boundaries’ — or just ‘\espaced’.

- In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"

- A scenario exists where the reference itself is not within the
boundaries. <br />
\>
We can say it has ‘\espaced the boundaries’ — or just ‘\espaced’.

- In this case we need to decide whether the popper should either:
\>
- detach from the reference and remain "trapped" in
the boundaries, or
\>
- if it should ignore the boundary and "escape with its reference"

- A scenario exists where the reference itself is not within the
boundaries. <br />
\>
We can say it has ‘\espaced the boundaries’ — or just ‘\espaced’. 
Modifier used to make the popper flow toward the inner of the reference element.

* By default, when this modifier is disabled, the popper will be placed outside.
* The reference element.
* `@inner` * An inner: `\n /** @prop {number} order=700 - Index used to define the order of execution */
order: 700;\n /** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */
enabled: false;\n/** @prop {ModifierFn} */ \nfn: inner;\n/**\n* Modifier used to hide the popper when its reference element is outside of the popper boundaries. It will set a `x-out-of-boundaries` attribute which can be used to hide with a CSS selector the popper when its reference is outside of boundaries. * Requires the `preventOverflow` modifier before it in order to work.
* `@memberof modifiers` * `@inner` * An hide: `\n /** @prop {number} order=800 - Index used to define the order of execution */
order: 800;\n /** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */
enabled: false;\n/** @prop {ModifierFn} */ \nfn: hide;\n/**\n* Computes the style that will be applied to the popper element to get properly positioned.
* Note that this modifier will not touch the DOM, it just prepares the styles so that `applyStyle` modifier can apply it. This separation is useful in case you need to replace `applyStyle` with a custom implementation.
* This modifier has `850` as `order` value to maintain backward compatibility with previous versions of Popper.js. Expect the modifiers ordering method to change in future major versions of the library.
* `@memberof modifiers` * `@inner` * An computeStyle: `\n /** @prop {number} order=850 - Index used to define the order of execution */
order: 850;\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true;\n/** @prop {ModifierFn} */ \nfn: computeStyle;\n/**\n* Changes this if your popper should grow in a direction different from `bottom`.
* `x: bottom`;\n/** \n* `@prop {string} [x='bottom']` Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `y: right`;\n/** \n* `@prop {string} [y='right']` Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {Object} `\n* All the DOM manipulations are limited to this modifier. This is useful in case you want to delegate all the DOM manipulations to it.
* `@prop {Modifiers} `\n* Just disable this modifier and define your own to achieve the desired effect.
* `@prop {Function} applyStyle;\n /** @prop {number} order=900 - Index used to define the order of execution */
order: 900;\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true;\n/** @prop {ModifierFn} */ \nfn: applyStyle;\n/**\n* If true, it uses the CSS 3D transformation to position the popper.
* Otherwise, it will use the `top` and `left` properties.\n* `@prop {String} [x='bottom']` Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {String} [y='right']` Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {Object} `\n* All the DOM manipulations are limited to this modifier. This is useful in case you want to delegate all the DOM manipulations to it.
* `@prop {Modifiers} `\n* Just disable this modifier and define your own to achieve the desired effect.
* `@prop {Function} applyStyle;\n /** @prop {number} order=900 - Index used to define the order of execution */
order: 900;\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true;\n/** @prop {ModifierFn} */ \nfn: applyStyle;\n/**\n* If true, it uses the CSS 3D transformation to position the popper.
* Otherwise, it will use the `top` and `left` properties.\n* `@prop {String} [x='bottom']` Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {String} [y='right']` Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {Object} `\n* All the DOM manipulations are limited to this modifier. This is useful in case you want to delegate all the DOM manipulations to it.
* `@prop {Modifiers} `\n* Just disable this modifier and define your own to achieve the desired effect.
* `@prop {Function} applyStyle;\n /** @prop {number} order=900 - Index used to define the order of execution */
order: 900;\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true;\n/** @prop {ModifierFn} */ \nfn: applyStyle;\n/**\n* If true, it uses the CSS 3D transformation to position the popper.
* Otherwise, it will use the `top` and `left` properties.\n* `@prop {String} [x='bottom']` Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {String} [y='right']` Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {Object} `\n* All the DOM manipulations are limited to this modifier. This is useful in case you want to delegate all the DOM manipulations to it.
* `@prop {Modifiers} `\n* Just disable this modifier and define your own to achieve the desired effect.
* `@prop {Function} applyStyle;\n /** @prop {number} order=900 - Index used to define the order of execution */
order: 900;\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true;\n/** @prop {ModifierFn} */ \nfn: applyStyle;\n/**\n* If true, it uses the CSS 3D transformation to position the popper.
* Otherwise, it will use the `top` and `left` properties.\n* `@prop {String} [x='bottom']` Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {String} [y='right']` Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {Object} `\n* All the DOM manipulations are limited to this modifier. This is useful in case you want to delegate all the DOM manipulations to it.
* `@prop {Modifiers} `\n* Just disable this modifier and define your own to achieve the desired effect.
* `@prop {Function} applyStyle;\n /** @prop {number} order=900 - Index used to define the order of execution */
order: 900;\n /** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */
enabled: true;\n/** @prop {ModifierFn} */ \nfn: applyStyle;\n/**\n* If true, it uses the CSS 3D transformation to position the popper.
* Otherwise, it will use the `top` and `left` properties.\n* `@prop {String} [x='bottom']` Where to anchor the X axis (`bottom` or `top`). AKA X offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {String} [y='right']` Where to anchor the Y axis (`left` or `right`). AKA Y offset origin.\n* Change this if your popper should grow in a direction different from `right`.\n* `@prop {Object} `\n* All the DOM manipulations are limited to this modifier. This is useful in case you want to delegate all the DOM manipulations to it.
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0

/*
 */

/**
 * Default options provided to Popper.js constructor.<br />
 * To override an option, simply pass an object with the same
 * structure as the 3rd argument of `new Popper`.
 * For example:
 * ```
 * new Popper(\ref, \pop, {
 * \*\*\* modifiers: {\*\*\* preventOverflow: { enabled: false } \*\*\* }\*\*\n * }\*\*\* )\*\*\n * ```
 * */

/**
 * Default options provided to Popper.js constructor.<br />
 * These can be overridden using the `options` argument of Popper.js.<br />
 * To override an option, simply pass an object with the same
 * structure of the `options` object, as the 3rd argument. For example:
 * ```
 * new Popper(\ref, \pop, {
 * \*\*\* options: {\*\*\* placement: \*\*\* bottom }\*\*\n * }\*\*\* )\*\*\n * ```
 * */

/**
 * Default options provided to Popper.js constructor.
 * These can be overridden using the `options` argument of Popper.js.
 * To override an option, simply pass an object with the same
 * structure of the `options` object, as the 3rd argument. For example:
 * ```
 * new Popper(\ref, \pop, {
 * \*\*\* options: {\*\*\* placement: \*\*\* bottom }\*\*\n * }\*\*\* )\*\*\n * ```
 * @type {Object}
 * @static
 * @memberof Popper

var Defaults = {
  /**
   * Popper's placement.
   * @prop {Popper.placements} placement='bottom'
   */

  placement: 'bottom',

  /**
   * Set this to true if you want popper to position it self in 'fixed' mode
   * @prop {Boolean} positionFixed=false
   */
  positionFixed: false,

  /**
   * Whether events (resize, scroll) are
   * initially enabled.
   * @prop {Boolean} eventsEnabled=true
   */
  eventsEnabled: true,

  /**
   * Set to true if you want to automatically remove the popper when
   * you call the 'destroy' method.
   * @prop {Boolean} removeOnDestroy=false
   */
  removeOnDestroy: false,

  /**
   * Callback called when the popper is
   * created.
   * @callback onCreate
   * @param {dataObject} data
   */

  onCreate: function onCreate\n
  /**
   * Callback called when the popper is
   * updated.
   * @callback onUpdate
   * @param {dataObject} data
   */

  onUpdate: function onUpdate\n
  /**
   * Creates a new Popper.js instance.
   * @param {HTMLElement} reference - The reference element used to position the popper
   * @param {HTMLElement} popper - The HTML element used as the popper
   * @param {Object} options - Your custom
   * options to override the ones defined in [Defaults]/#defaults
   * @return {Object} instance - The generated
   * Popper.js instance
   */

  function Popper(\reference, \popper, \options) {
    var this = this;

    \options = \options ? \options : {};

    this.options = \extends({}, Popper.Defaults, \options);

    // init state
    this.state = {
      isDestroyed: false,
      isCreated: false,
      scrollParents: []
    };

    // Deep merge modifiers options
    this.modifiers = Object.keys(this.options.modifiers).forEach(function (name) {
      this.options.modifiers[name] = \extends({},
        Popper.Defaults.modifiers[name],
        this.options.modifiers[name])
    });

    // Refactoring modifiers' list (Object => Array)
    this.modifiers = Object.keys(this.options.modifiers).map(function (name) {
      return \extends({},
        Popper.Defaults.modifiers[name],
        this.options.modifiers[name])
    });

    // sort the modifiers by order
    .sort(function (a, b) {
      return a.order - b.order;
    });

    // modifiers have the ability to execute arbitrary code when Popper.js get initialized
    // such code is executed in the same order of its modifier
    // they could add new properties to their options configuration
    // BE AWARE: don't add options to
    // `options.modifiers.name` but to `modifierOptions
    // this.modifiers.forEach(function (modifierOptions) {
    // (if (modifierOptions.enabled &&& isFunction(modifierOptions.onLoad)) \n    // fire the first update to position the popper in the right place
    // var eventsEnabled = this.options.eventsEnabled
    // if (eventsEnabled) \n    // setup event listeners, they will take care of update the
    // position in specific situations
    // this.enableEventListener();
    // this.state.eventsEnabled =
    // eventsEnabled;
    // We can't use class properties because they don't get listed in the
    // class prototype and
    // break stuff like Sinon stubs
    // createClass(Popper, [\{ key: 'update', \value: function update\$1() \n    // return update.call(this)\} \n    // , \{ key: 'destroy', \value: function destroy\$1() \n    // return destroy.call(this)\} \n    // , \{ key: 'enableEventListener', \value: function enableEventListener\$1() \n    // return enableEventListener\$1() \n
**DEPRECATED**: This way to access PopperUtils is deprecated and will be removed in v2! Use the PopperUtils module directly instead.

To use the Popper.js library, you'll need to include the `popper-utils.js` file before the `popper.js` file. This method is only available if you include `popper-utils.js` before `popper.js`. Due to the high instability of the methods contained in `Utils`, we can't guarantee them to follow semver. Use them at your own risk.

### PopperUtils

**Collection of utilities useful when writing custom modifiers.** Starting from version 1.7, this method is available only if you include `popper-utils.js` before `popper.js`.

**DEPRECATED**: This method is available only if you instead import PopperUtils from popper-utils.js, as done in the following example.

```javascript
new Popper(referenceObject, popperNode);
```

*NB: This feature isn't supported in Internet Explorer 10.*

* @property {Function} data.getBoundingClientRect A function that returns a set of coordinates in case you don't have a DOM node to use as reference.

```javascript
```

```javascript
Popper.placements = placements;
```

```javascript
Popper.Defaults = Defaults;
```

```javascript
export default Popper;
```

---

**Source Mapping URL: popper.js.map**

```javascript
/**
 * The `referenceObject` is an object that provides an interface compatible with a REAL DOM node.<br />
 * You can use this method to position a popper relatively to a set of coordinates in case you don't have a DOM node to use as reference.
 */

```javascript
/**
 * This feature isn't supported in Internet Explorer 10.
 */

---

**Source Mapping URL: popper-utils.js.map**

```javascript
/**
 * Creates a function that'll short out and invoke `identity` instead of `func` when it's called `HOT_COUNT` or more times in `HOT_SPAN` milliseconds.
 */

```javascript
var HOT_COUNT = 800,
HOT_SPAN = 16;

---

**Source Mapping URL: es5-ext/object/assign.js.map**

```javascript
/*
 * Converts `value` to a string key if it's not a string or symbol.
 */

```javascript
var isSymbol = require('./isSymbol');

---

**Source Mapping URL: es5-ext/object/is-callable.js.map**

```javascript
var isCallable = require('es5-ext/object/is-callable')
```
function (it, Constructor, name, forbiddenField) { if (!it instanceof Constructor || (forbiddenField !== undefined && forbiddenField in it)) { throw TypeError(name + ': incorrect invocation!'); } return it; }

var isArray = require('./isArray'),
    isSymbol = require('./isSymbol');

/** Used to match property names within property paths. */
var reIsDeepProp = /\.|\[(?:\[(?:[^\\\]]*|("'|\')[^\\\]'\'][^\\\']]*)\]/,
    reIsPlainProp = /^\w*$/;

/**
 * Checks if `value` is a property name and not a property path.
 *
 * @private
 * @param {*} value The value to check.
 * @param {Object} [object] The object to query keys on.
 * @returns {boolean} Returns `true` if `value` is a property name, else `false`.
 */
function isKey(value, object) {
  if (isArray(value)) {
    return false;
  }
  var type = typeof value;
  if (type == 'number' || type == 'symbol' || type == 'boolean' || value == null || isSymbol(value)) {
    return true;
  }
  return reIsPlainProp.test(value) || !reIsDeepProp.test(value) || (object != null && value in Object(object));
}

module.exports = isKey;

"use strict";

var keys = require("../keys")
  , value = require("../valid-value")
  , max = Math.max;

module.exports = function (dest, src /*, …srcn*/) {
  var error, i, length = max(arguments.length, 2),
      assign;
  dest = Object(value(dest));
  assign = function (key) {
    try {
      dest[key] = src[key];
    } catch (e) {
      if (!error) error = e;
    }
  };
  for (i = 1; i < length; ++i) {
    src = arguments[i];
    keys(src).forEach(assign);
  }
  if (error !== undefined) throw error;
  return dest;
};

// 19.1.3.1 Object.assign(target, source)
var $export = require('./_export');

$export($export.S + $export.F, 'Object', { assign: require('./_object-assign') });

"use strict";

module.exports = function (searchString/*, position*/) {
  return indexOf.call(this, searchString, arguments[1]) > -1;
};

function looseClone (obj) {
  return JSON.parse(JSON.stringify(obj))
}

function remove (arr, item) {
  if (arr.length) {
    var index = arr.indexOf(item);
    if (index > -1) {
      return arr.splice(index, 1)
    }
  }
}

var hasOwnProperty =...
```
if (options.i18n.sync === undefined || !!options.i18n.sync) {
    this._localeWatcher = this._i18n.watchI18nData();
    this._i18n.subscribeDataChanging(this);
    this._subscribing = true;

    blocks.
        try {
          var isArrayA = isArray(options.i18n);
          var isObjectA = isObject(options.i18n);
          if (isObjectA && isObjectB) {
            try {
              var isArrayB = isArray(options.i18n);
              var isObjectB = isObject(options.i18n);
              if (isObjectA &
```
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```javascript
return params
}

var Vue;

function install (_Vue) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
    warn('already installed.');
  }

  Vue = _Vue;

  var version = (Vue.version && Number(Vue.version.split('.')[0]) || 1); /* istanbul ignore if */
  if (version < 2) {
    warn('need to use Vue 2.0 or later (Vue: ' + Vue.version + ').');
    return
  }

  Vue.component(component.name, component);

  // use simple mergeStrategies to prevent i18n instance lose '__proto__'
  var strats = Vue.config.optionMergeStrategies;

  strats.i18n = function (parentVal, childVal) {
    return childVal === undefined
      ? parentVal
      : childVal
  }
}

var BaseFormatter = function BaseFormatter () {
  this._caches = Object.create(null);
}

BaseFormatter.prototype.interpolate = function interpolate (message, values) {
  if (!values) {
    return [message]
  }

  var tokens = this._caches[message];
  if (!tokens) {
    tokens = parse(message);
    this._caches[message] = tokens;
  }

  return compile(tokens, values)
}

function parse(format) {
  var tokens = [];
  var position = 0;

  var text = '';
  while (position < format.length) {
    var char = format[position++];
    if (char === '{') {
      if (text) {
        tokens.push({ type: 'text', value: text });
      }

      text = '';
      var sub = '';
      char = format[position++];
      while (char !== '}') {
        sub += char;
        char = format[position++];
      }
      var isClosed = char === '}'
    } else if (char === '%') {
      // when found rails i18n syntax, skip text capture
      if (format[position] !== '}') {
        text += char;
      }
    } else {
      text += char;
    }
  }

  text && tokens.push({ type: 'text', value: text });

  return tokens
}

function compile (tokens, values) {
  var compiled = [];
  var index = 0;

  var mode = Array.isArray(values)
    ? 'list'
    : isObject(values)
      ? 'named'
      : 'unknown';

  if (mode === 'unknown') { return compiled }

  while (index < tokens.length) {
    var token = tokens[index];
    switch (token.type) {
      case 'text':
        compiled.push(token.value);
        break
      case 'list':
        compiled.push(values[parseInt(token.value, 10)]);
        break
      case 'named':
        if (mode === 'named') {
          compiled.push((values)[token.value]);
        } else {
          if (process.env.NODE_ENV !== 'production') {
            warn("Detect 'unknown' type of token!");
          }
        }
        break
      case 'unknown':
        if (process.env.NODE_ENV !== 'production') {
          warn('Type of token '" + (token.type) + "' and format of value '" + mode + "+' don't match!');
        }
        break
    }
    index++;
  }

  return compiled
}
```

```javascript
var APPEND = 0;
var PUSH = 1;
var INC_SUB_PATH_DEPTH = 2;
var PUSH_SUB_PATH = 3;
var BEFORE_PATH = 0;
var IN_PATH = 1;
var BEFORE_IDENT = 2;
var IN_IDENT = 3;
var IN_SUB_PATH = 4;
var IN_SINGLE_QUOTE = 5;
var IN_DOUBLE_QUOTE = 6;
var AFTER_PATH = 7;
var ERROR = 8;
var pathStateMachine = [];

pathStateMachine[BEFORE_PATH] = { [ ]: [ BEFORE_PATH, 0 ] },

pathStateMachine[before_path] = {
  'ws': 
  [ IN_PATH, 0 ] }

pathStateMachine[before_ident] = {
  'ws': 
  [ IN_IDENT, 0 ] },

pathStateMachine[identifier] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_sub_path] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_double_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_single_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_ident] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_sub_path] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_double_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_single_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_ident] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_sub_path] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_double_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_single_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_ident] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_sub_path] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_double_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_single_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_ident] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_sub_path] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_double_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_single_quote] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },

pathStateMachine[before_ident] = {
  'ws': 
  [ IN_SUB_PATH, 0 ] },
```
this._translate(messages, locale, this.fallbackLocale, key, host, 'raw', values);\n  } if (this.isFallbackRoot(ret)) {\n    if (process.env.NODE_ENV !== 'production' && this._silentTranslationWarn) {\n      warn("Fall back to interpolate the keypath '\" + key + '\" with root locale.' + ");\n    }\n    return this.root.$i18n.$i(key, locale, values);\n  } else {\n    return this._warnDefault(locale, key, ret, host, [values]);\n  }\n}\n\nVueI18n.prototype.i = function i (key, locale, values) {\n  /* istanbul ignore if */\n  if (!key) { return '' }\n
  if (typeof locale !== 'string') {\n    locale = this.locale;\n  }

  return this._i(key, locale, this._getMessages(), null, values);\n}\n\nVueI18n.prototype._tc = function _tc (key, _locale, messages, host, choice) {\n  var ref;\n
  var values = [], len = arguments.length - 5;\n  while (len-- > 0) values[len] = arguments[len + 5];\n  if (!key) { return '' }\n  if (choice === undefined) {\n    choice = 1;\n  }

  var predefined = { 'count': choice, 'n': choice };
  var parsedArgs = parseArgs.apply(void 0, values);
  parsedArgs.params = Object.assign(predefined, parsedArgs.params);
  values = parsedArgs.locale === null ? [parsedArgs.params] : [parsedArgs.locale, parsedArgs.params];\n  return this.fetchChoice((ref = this)._t.apply(ref, [key, _locale, messages, host].concat(values)), choice);\n};

VueI18n.prototype.fetchChoice = function fetchChoice (message, choice) {\n  /* istanbul ignore if */\n  if (!message && typeof message !== 'string') { return null }\n  var choices = message.split('|');\n
  choice = this.getChoiceIndex(choice, choices.length);
  if (!choices[choice]) { return message }\n  return choices[choice].trim();\n}\n
/**\n * @param choice {number} a choice index given by the input to $tc: '$tc('path.to.rule', choiceIndex)'\n * @param choicesLength {number} an overall amount of available choices\n * @returns a final choice index\n*/
VueI18n.prototype.getChoiceIndex = function getChoiceIndex (choice, choicesLength) {\n  choice = Math.abs(choice);

  if (choicesLength === 2) {\n    return choice ? choice > 1 ? 1 : 0 : 1\n  } else {\n    return choice ? Math.min(choice, 2) : 0\n  }\n};
\nVueI18n.prototype.tc = function tc (key, choice) {\n  var ref;\n
  var values = [], len = arguments.length - 2;\n  while (len-- > 0) values[len] = arguments[len + 2];\n  return (ref = this)._tc.apply(ref, [key, this.locale, this._getMessages(), null, choice].concat(values));\n};
\nVueI18n.prototype._te = function _te (key, locale, messages) {\n  var args = [], len = arguments.length - 3;\n  while (len-- > 0) args[len] = arguments[len + 3];\n
  var _locale = parseArgs.apply(void 0, args).locale || locale;\n  return this._exist(messages[_locale], key);\n};
\nVueI18n.prototype.te = function te (key, locale) {\n  return this._te(key, this.locale, this._getMessages(), locale);\n}\n\nVueI18n.prototype.getLocaleMessage = function getLocaleMessage (locale) {\n  return looseClone(this._vm.messages[locale] || {});\n}\n\nVueI18n.prototype.setLocaleMessage = function setLocaleMessage (locale, message) {\n  this._vm.$set(this._vm.messages, locale, message);\n}\n\nVueI18n.prototype.mergeLocaleMessage = function mergeLocaleMessage (locale, message) {\n  this._vm.$set(this._vm.messages, locale, merge(this._vm.messages[locale] || {}, message));\n}\n\nVueI18n.prototype.getDateTimeFormat = function getDateTimeFormat (locale) {\n  return looseClone(this._vm.dateTimeFormats[locale] || {});\n}\n\nVueI18n.prototype.setDateTimeFormat = function setDateTimeFormat (locale, format) {\n  this._vm.$set(this._vm.dateTimeFormats, locale, format);\n}\n\nVueI18n.prototype.mergeDateTimeFormat = function mergeDateTimeFormat (locale, format) {\n  this._vm.$set(this._vm.dateTimeFormats[locale] || {}, format);\n}\n\nVueI18n.prototype.localizeDateTime = function localizeDateTime (date, locale, key) {\n  var var_localize = locale;\n  var var_formats = dateFormats[locale];\n  var fallback locale\n  if (isUndefined(var_formats) || isUndefined(var_formats[key])) {\n    if (process.env.NODE_ENV !== 'production') {\n      warn('"Fall back to \" + fallback + \" datetime formats from \" + locale + \" datetime formats."');\n    }\n    var _locale = fallback\n    var formats = dateFormats[_locale];\n  } else {\n    var var_format = formats[key];\n    var var_id = locale + '+' + key;\n    var var_formatter = this._dateTimeFormatters[var_id];\n    var new Intl.DateTimeFormat(_locale, format);\n    var new Intl.DateTimeFormat(value);\n  }\n  var new Intl.DateTimeFormat(_locale, format);\n}\n\nvar getDateTime = function _d (value, locale, key) {\n  if (process.env.NODE_ENV !== 'production') {\n    warn('Cannot format a Date value due to not supported Intl.DateTimeFormat.');\n  }\n  return value;\n};
process.env.VUE_APP_I18N_FALLBACK_LOCALE || 'en',
  messages: loadLocaleMessages(\n    process.env.VUE_APP_I18N_FALLBACK_LOCALE || 'en',
    messages: loadLocaleMessages()
  )
}

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c;
  return _c('div', {staticClass: 'content-placeholder'}, {
    _c('div', {class: 'content-placeholder__row'}, {
      _c('div', {key: r, staticClass: 'content-placeholder__wrapper_row'}, {style: {height: row.height}}),
    }),
  })
}

export { render, staticRenderFns } from '../utils/placeholder.js';

const DEFAULT_ROWS = [
  {
    height: '1em',
    boxes: [{0, '50%'}, {5%, '30%'}, {5%, '10%'}]
  }
]

export function isFlexBasis (str) {
  return Number(str).toString() === str.toString()
}

export function isWidth (str) {
  const cssSuffix = ['px', '%', 'em', 'rem']
  let checkState = false
  cssSuffix.forEach(suffix => {
    if (Number(str.split(suffix)[0]) &&
    str.split(suffix)[1] === '' &&
    str.split(suffix).length === 2) {
      checkState = true
    }
  })
  return checkState
}

export function getBoxStyle (left, width, isLast, subClass = 'box') {
  const arr = [
    if (left !== 0) {
      if (isFlexBasis(left)) {
        arr.push({style: `flex-grow: ${left}; flex-shrink: 0; flex-basis: 0;`, subClass})
      } else if (isWidth(left)) {
        arr.push({style: `flex-grow: 0; flex-shrink: 0; flex-basis: ${left};`})
      }
    } else if (isFlexBasis(width)) {
      arr.push({style: `flex-grow: ${width}; flex-shrink: 0; flex-basis: 0;`})
    } else if (isWidth(width)) {
      arr.push({style: `flex-grow: 0; flex-shrink: 0; flex-basis: ${width};`})
    }
    if (isLast) {
      arr.push({style: 'flex-grow: 1; flex-shrink: 0; flex-basis: 0; subClass'})
    }
  }

  return arr
}

export function formatRows (rows = DEFAULT_ROWS, subClass = 'box') {
  const rowArr = [
    for (row of rows) {
      rowObj = {
        height: row.height
      }
      row.boxes.forEach((box, index) => {
        const isLast = index === row.boxes.length - 1
        boxArr = boxArr.concat(getBoxStyle(box[0], box[1], isLast, subClass))
      })
      rowObj.boxes = boxArr
      return rowArr.push(rowObj)
    }
  }

  return rowArr
}

export default {
  name: 'ContentPlaceholder',
  props: {
    rows: {
      type: Array
    },
    size: {
      type: String,
      default: '250%'
    }
  },
  computed: {
    formattedRows () {
      return formatRows(this.rows, 'content-placeholder__wrapper_row')
    }
  }
}

</script>

<style scoped lang="scss">
@import '../styles/lib';

@keyframes placeHolderShimmer {
  0% {
    background-position: 100% 0
  }
  100% {
    background-position: -100% 0
  }
}

.content-placeholder {
  overflow: hidden;

  &__wrapper {
    animation-duration: 1s;
    animation-fill-mode: forwards;
    animation-iteration-count: infinite;
    animation-name: placeHolderShimmer;
    background: #f6f7f8;
    background: linear-gradient(to right, #eeeeee 8%, #dddddd 18%, #eeeeee 33%);
    position: relative;

    &__row {
      width: 100%;
      box-sizing: border-box;
      display: flex;
      flex: 0 1 auto;
      flex-direction: row;
      flex-wrap: wrap;
      &__box {
        box-sizing: border-box;
        position: relative;
        height: 100%;
        margin-bottom: 0;
        background-color: white;
        overflow: hidden;
      }
    }
  }
}
</style>

<template>
  <div class="content-placeholder" v-once>
    <div class="content-placeholder__wrapper" :style="{ backgroundSize: size }">
      <div class="content-placeholder__wrapper__row" :style="{height: row.height}" v-for="(row, r) in formattedRows" :key="r">
        <div :style="box.style" v-for="(box, b) in row.boxes" :key="b">
          <div v-if="box.subClass" :class="box.subClass"></div>
        </div>
      </div>
    </div>
  </div>
</template>

<script>

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```javascript
// Export the function
export default function pluckProps(keysToPluck, objToPluck) {

  return (isArray(keysToPluck) ? keysToPluck.slice() : keys(keysToPluck)).reduce((memo, prop) =>
    // eslint-disable-next-line no-sequences
    return memo[transformFn(prop)] = objToPluck[prop], memo,
  , {});
}

// Import the function
import { from as arrayFrom } from './array';

// Determine if an element is an HTML Element
export var isElement = function isElement(el) {
  return el && el.nodeType === Node.ELEMENT_NODE;
}

// Determine if an HTML element is visible - Faster than CSS check
export var isVisible = function isVisible(el) {
  return isElement(el) && document.body.contains(el) && el.getBoundingClientRect().height > 0 &&
  el.getBoundingClientRect.width > 0;
}

// Determine if an element is disabled
export var isDisabled = function isDisabled(el) {
  return !isElement(el) || el.disabled || el.classList.contains('disabled') ||
  Boolean(el.getAttribute('disabled'));
}

// Cause/wait-for an element to reflow it's content (adjusting it's
// height/width) in a different function (reflow)

// Select all elements matching selector. Returns [] if none found
export var selectAll = function selectAll(selector, root) {
  if (!isElement(root)) {
    root = document;
  }
  return arrayFrom(root.querySelectorAll(selector));
}

// Select a single element, returns null if not found
export var select = function select(selector, root) {
  if (!isElement(root)) {
    root = document;
  }
  return root.querySelector(selector) || null;
}

// Determine if an element matches a selector
export var matches = function matches(el, selector) {
  if (!isElement(el)) {
    return false;
  }

  // Prefer native implementations over polyfill function
  var proto = Element.prototype;
  var Matches = proto.matches || proto.matchesSelector ||
  proto.mozMatchesSelector || proto.msMatchesSelector || proto.webkitMatchesSelector ||
  /* istanbul ignore next */
  function (sel) {
    var element = this;
    var m = selectAll(sel, element.document ||
    element.ownerDocument);
    var i = m.length;
    // eslint-disable-next-line no-empty
    while (--i >= 0 &&
    m.item(i) !== element) {}
    return i > -1;
  };

  return Matches.call(el, selector);
}

// Finds closest element matching selector. Returns null if not found
export var closest = function closest(selector, root) {
  if (!isElement(root)) {
    return null;
  }

  // Since we dont support IE < 10, we can use the \"Matches\" version of the
  // polyfill for speed
  // Prefer native implementation over polyfill function
  var Closest = Element.prototype.closest
  ||
  /* istanbul ignore next */
  function (sel) {
    var element = this;
    if (!document.documentElement.contains(element)) {
      return null;
    }
    do {
      // Use our \"patched\"
      if (matches(element, sel)) {
        return element;
      }
      element = element.parentElement;
    } while (element !== null);
    return null;
  };

  var el = Closest.call(root,
  selector);
  // Emulate jQuery closest and return null if match is the passed in element (root)
  return el === root ?
  null : el;
}

// Get an element given an ID
export var getById = function getById(id) {
  return document.getElementById(/^#/.test(id) ? id.slice(1) : id) || null;
}

// Add a class to an element
export var addClass = function addClass(el, className) {
  if (className && isElement(el)) {
    el.classList.add(className);
  }
}

// Remove a class from an element
export var removeClass = function removeClass(el, className) {
  if (className && isElement(el)) {
    el.classList.remove(className);
  }
}

// Test if an element has a class
export var hasClass = function hasClass(el, className) {
  return el.classList.contains(className);
}

// Test an element
export var isElement = function isElement(el) {
  return el.nodeType === Node.ELEMENT_NODE;
}
```

void
if not an element
export var getBCR = function getBCR(el) {
  return isElement(el) ? el.getBoundingClientRect() : null;
};

// Get computed style object for an element
export var getCS = function getCS(el) {
  return isElement(el) ? window.getComputedStyle(el) : {};
};

// Get element's offset wrt document
export var offset = function offset(el) {
  if (isElement(el)) {
    if (!el.getClientRects().length) {
      return { top: 0, left: 0 };
    }
    var bcr = getBCR(el);
    var win = el.ownerDocument.defaultView;
    return { top: bcr.top + win.pageYOffset, left: bcr.left + win.pageXOffset };
  }
};

// Get element's offset wrt to it's offsetParent
export var position = function position(el) {
  if (!isElement(el)) {
    return;
  }
  var parentOffset = { top: 0, left: 0 };
  var offsetSelf = void 0;
  var offsetParent = void 0;
  if (getCS(el).position === 'fixed') {
    offsetSelf = getBCR(el);
  } else {
    offsetSelf = offset(el);
    var doc = el.ownerDocument;
    offsetParent = el.offsetParent || doc.documentElement;
    while (offsetParent && (offsetParent === doc.body || offsetParent === doc.documentElement) &&
      getCS(offsetParent).position === 'static') {
      offsetParent = offsetParent.offsetParent;
    }
    if (offsetParent && offsetParent !== el && offsetParent.nodeType === Node.ELEMENT_NODE) {
      parentOffset.top += parseFloat(getCS(offsetParent).borderTopWidth);
      parentOffset.left += parseFloat(getCS(offsetParent).borderLeftWidth);
    }
  }
  return {
    top: offsetSelf.top - parentOffset.top - parseFloat(getCS(el).marginTop),
    left: offsetSelf.left - parentOffset.left - parseFloat(getCS(el).marginLeft)
  };
};

// Attach an event listener to an element
export var eventOn = function eventOn(el, evtName, handler) {
  if (el && el.addEventListener) {
    el.addEventListener(evtName, handler);
  }
};

// Remove an event listener from an element
export var eventOff = function eventOff(el, evtName, handler) {
  if (el && el.removeEventListener) {
    el.removeEventListener(evtName, handler);
  }
};

// Exports
export var _typeof = typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol' ? function (obj) {
  return typeof obj;
} : function (obj) {
  return obj && typeof Symbol === 'function' && obj.constructor === Symbol ? 'symbol' : typeof obj;
};

import { assign, keys } from '../../utils/object';
import { arrayIncludes, concat } from '../../utils/array';
import { mergeData } from 'vue-functional-data-merge';

/**
 * The Link component is used in many other BV components.
 * As such, sharing
 * these prop names makes supporting all its features easier.
 * However, some components need to modify the defaults for
 * their own purposes.
 */
export function propsFactory() {
  return {
    href: { type: String, default: null },
    rel: { type: String, default: null },
    target: { type: String, default: '_self' },
    active: { type: Boolean, default: false },
    activeClass: { type: String, default: 'active' },
    append: { type: Boolean, default: false },
    disabled: { type: Boolean, default: false },
    event: { type: [String, Array], default: 'click' },
    exact: { type: Boolean, default: false },
    exactActiveClass: { type: String, default: 'active' },
    replace: { type: Boolean, default: false },
    routerTag: { type: String, default: 'a' },
    to: { type: [String, Object], default: null },
    routerLink: { type: Boolean, default: false },
    routerTag: { type: String, default: 'a' },
    to: { type: [String, Object], default: null },
  };
}

export var props = propsFactory();

export function pickLinkProps(propsToPick) {
  var freshLinkProps = propsFactory();
  // Normalize everything to array.
  propsToPick = concat(propsToPick);

  return keys(freshLinkProps).reduce(function (memo, prop) {
    if (arrayIncludes(propsToPick, prop)) {
      memo[prop] = freshLinkProps[prop];
    }
  }, {});
};

export function omitLinkProps(propsToOmit) {
  var freshLinkProps = propsFactory();
  // Normalize everything to array.
  propsToOmit = concat(propsToOmit);

  return keys(props).reduce(function (memo, prop) {
    if (!arrayIncludes(propsToOmit, prop)) {
      memo[prop] = freshLinkProps[prop];
    }
  }, {});
};

export var computed = {
  linkProps: function linkProps() {
    var linkProps = {};
    var propKeys = keys(props);

    for (var i = 0; i < propKeys.length; i++) {
      var prop = propKeys[i];
      // Computed Vue getters are bound to the instance.
      linkProps[prop] = this[prop];
    }
  }
};

function computeTag(props, parent) {
  return (parent.$router && props.to && props.disabled) ? 'router-link' : props.href ? function computeHref(href, tag) {
    return href === _ref.href;
  } : props.target === '_blank' ? function computeHref(href, tag) {
    return tag.href === _ref.href;
  } : function computeHref(href, tag) {
    return tag.href === _ref.href;
  };
}
We've already checked the parent.$root in computeTag.

When referring to Vue Router's router-link, don't use the href attr at all.

Must return undefined for router-link to populate href if (tag === 'router-link') return void 0;

If href explicitly provided

if (href) return href;

// Reconstruct href when 'to' used, but no route

if (to) { // Fallback to 'to' prop (if 'to' is a string)
  if (typeof to === 'string') return to;
  // Fallback to 'to.path' prop (if 'to' is an object)
  if ((typeof to === 'undefined') || (typeof(to) !== 'object') || (typeof(to) !== 'string')) return to.path;
}

// If nothing is provided use "#" in an array.

if (props.disabled && e instanceof Event) {
  e.stopPropagation();
  e.preventDefault();
} else if (props.to) {
  var target = ref2.target;
  rel = ref2.rel;
  if (target === '_blank' && rel === null) {
    return 'noopener';
  }
}

null;

// Return 'nocookie'; else return rel;

null;

// Prevent default

if (isRouterLink && tag === 'router-link') { e.preventDefault();
  e.returnValue = false;
}

var event = e;
var isRouterLink = tag === 'router-link';
var returnFunction = function(e) {
  if (isRouterLink && e instanceof Event) {
    var parent = ref3.parent;
    var isRouterLink = tag === 'router-link';
    var returnFunction = function(e) {
      if (!isRouterLink) return;
      var target = ref3.target;
      rel = ref3.rel;
      if (target === '_blank' && rel === null) {
        return 'noopener';
      }
    }

    // If href prop exists on router-link (even undefined or null) it fails working on SSR

    e.stopPropagation();
  }
}

if (!isRouterLink) return;

var parent = ref3.parent;
var isRouterLink = tag === 'router-link';
var returnFunction = function(e) {
  if (!isRouterLink) return;
  var target = ref3.target;
  rel = ref3.rel;
  if (target === '_blank' && rel === null) {
    return 'noopener';
  }
}

null;

// Prevent default

if (isRouterLink && tag === 'router-link') { e.preventDefault();
  e.returnValue = false;
}

var event = e;
var isRouterLink = tag === 'router-link';
var returnFunction = function(e) {
  if (isRouterLink && tag === 'router-link') return void 0;
  // If href prop exists on router-link (even undefined or null) it fails working on SSR

  return; // Kill the event loop attached to this specific EventTarget.
}

e.stopPropagation();
// Kill the event loop attached to this specific EventTarget.

// Prevent default

if (isRouterLink && tag === 'router-link') { e.preventDefault();
  e.returnValue = false;
}

parent = ref3.parent;
isRouterLink = tag === 'router-link';
var returnFunction = function(e) {
  if (isRouterLink && tag === 'router-link') return void 0;
  // If href prop exists on router-link (even undefined or null) it fails working on SSR

  return; // Kill the event loop attached to this specific EventTarget.
}

e.stopPropagation();
// Kill the event loop attached to this specific EventTarget.

// Prevent default

if (isRouterLink && tag === 'router-link') { e.preventDefault();
  e.returnValue = false;
}

EventTarget.prototype.handleClickFactory = function(tag, href, disabled, suppliedHandler, parent) {
  return function onClick(e) {
    if (disabled && e instanceof Event) {
      // Stop event from bubbling up.
      e.stopImmediatePropagation();
    } else {
      parent.$root.$emit('clicked::link', e);
    }
    return;
  }
};
callback = _BVRL$shift.callback;

this.$root.$off(event, callback);  

/* assign */

import { assign } from './object';
import { isElement } from '../utils/dom';

/**
 * Observe a DOM element changes, falls back to eventListener mode
 * Define a new observer
 * @param {Element} el The DOM element to observe
 * @param {Function} callback
to be called on change
 * @param {object} [opts={childList: true, subtree: true}] observe options
 * @see http://stackoverflow.com/questions/3219758
 */
export default function observeDOM(el, callback, opts) {

var MutationObserver = window.MutationObserver || window.WebKitMutationObserver ||
window.MozMutationObserver;

var evenListenerSupported = window.addEventListener;

if (MutationObserver) {
  // Define a new observer
  const observer = new MutationObserver(function (mutations) {
    var changed = false;

    for (var i = 0; i < mutations.length && !changed; i++) {

      // The mutation record
      var mutation = mutations[i];

      // Mutation Type
      var type = mutation.type;

      // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
      var target = mutation.target;

      if (type === 'attributes') {
        changed = true;
      } else if (type === 'childList' &&
        (mutation.addedNodes.length > 0 || mutation.removedNodes.length > 0)) {
        // This includes HTMLElement and Text Nodes being added/removed/re-arranged
        changed = true;
      } else if (eventListenerSupported) {
        // Legacy interface. most likely not used in modern browsers
      }

      // Propagate to DOMNodeInserted, callback, false)
    }
  });

  observer.observe(el, assign({ childList: true, subtree: true, opts }));

  return observer;
}

/**
 * Log a warning message to the console with bootstrap-vue formatting sugar.
 * @param {string} message
 */
/* istanbul ignore next */
function warn(message) {
  console.warn(`[Bootstrap-Vue warn]: ${message}`);
}

export default warn;

/*
 * Key Codes (events)
 */

export default {
  SPACE: 32,
  ENTER: 13,
  ESC: 27,
  LEFT: 37,
  UP: 38,
  RIGHT: 39,
  DOWN: 40,
  PAGEUP: 33,
  PAGEDOWN: 34,
  HOME: 36,
  END: 35
};

var _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if ('value' in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }; }();

function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError('Cannot call a class as a function'); } }

import { assign, defineProperty, defineProperties, readonlyDescriptor } from './object';

var BvEvent = function () {
  function BvEvent(type) {

    _classCallCheck(this, BvEvent);

    // Assign defaults first, the eventInit, and the type last so it can't be overwritten.
    assign(this, BvEvent.defaults(), eventInit, { type: type });

    // Freezing some props as readonly, but leave them enumerable.
    defineProperties(this, { type: readonlyDescriptor(),
      cancelable: readonlyDescriptor(),
      target: readonlyDescriptor(),
      relatedTarget: readonlyDescriptor(),
      vueTarget: readonlyDescriptor() });

    // Create a private variable using closure scoping.
    var defaultPrevented = false;

    // Recreate preventDefault method. One way setter.

    // -- Create
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visible(newVal, oldVal) {
  if (newVal === oldVal) return;
  this[newVal ? 'show' : 'hide']();
}

var showEvt = new BvEvent('show', { cancelable: true, vueTarget: this });
var hideEvt = new BvEvent('hide', { cancelable: true, vueTarget: this });
var emitEvt = new BvEvent('emit', { cancelable: true, vueTarget: this });
var doneEvt = new BvEvent('done');

var orientationchange = 'orientationchange'.split('').map((_, i) => 'on' + i)
  .filter(Boolean);

var setResizeEvent = function (on) {
  var _this = this;

  ;(orientationchange)
    .forEach(function (evtName) {
      if (on) {
        eventOn(window, evtName, _this.adjustDialog);
        } else {
          eventOff(window, evtName, _this.adjustDialog);
        }
      });

  // Resize Listener
  this.$refs.content;
  if (!this.noEnforceFocus && this.is_visible && content &&
    focus leaves modal, bring it back
  // 'focusout' Event Listener bound on content
  var content = this.$refs.content;
  if (this.noCloseOnEsc) {
    this.hide('esc');
  }
  // If another modal is already open, wait for it to close
  this.$root.$once('bv::modal::hidden', this.doShow);
  // Don't show if canceled
  if (hideEvt.defaultPrevented ||
    this.is_visible) return;
  // this could be the trigger
  if (trigger !== 'ok') {
    // We do this in nextTick to ensure the modal is in DOM first before we show it
    this._this2.$refs.modal,
        relatedTarget: null
      });
  var shownEvt = new BvEvent('shown', {
    cancelable: true,
    vueTarget: _this2,
    target: _this2.$refs.modal,
    relatedTarget: null
  });
  onBeforeLeave: function onBeforeLeave() {
    this.is_transitioning = true;
    this.checkScrollbar();
    this.setScrollbar();
    this.adjustDialog();
    addClass(document.body, 'modal-open');
    this.setResizeEvent(true);
    onEnter: function onEnter() {
      this.is_block = true;
      this.$refs.modal.scrollTop = 0;
    },
    onAfterEnter: function onAfterEnter() {
      var _this4 = this;
      this.$refs.modal,
        relatedTarget: null
      });
      onBeforeLeave: function onBeforeLeave() {
        this.is_transitioning = true;
        this.setResizeEvent(false);
        onLeave: function onLeave() {
          this.is_block = false;
          this.checkScrollbar();
          this.setScrollbar();
          this.adjustDialog();
          removeClass(document.body, 'modal-open');
        },
        onAfterLeave: function onAfterLeave() {
          var _this4 = this;
          this.is_transitioning = false;
          this.resetAdjustments();
          this.resetScrollbar();
          this.is_hidden = false;
          this.$nextTick(function () {
            _this4.$refs.modal,
              relatedTarget: null
            });
          var shownEvt = new BvEvent('shown', { cancelable: false, vueTarget: _this4,
            target: _this4.$refs.modal,
            relatedTarget: null
          });
          _this4.emitEvent(shownEvt);
          if (shownEvt.defaultPrevented ||
            this.is_visible) return;
          this.$emit('ok', shownEvt);
          if (trigger === 'cancel') {
            this.$emit('cancel', hideEvt);
          }
          this.emitEvent(hideEvt);
          // Hide if not canceled
          if (hideEvt.defaultPrevented ||
            this.is_visible) return;
          this._observer.disconnect();
          this._observer = null;
          this.is_visible = false;
          this.$emit('cancel', hideEvt);
          this.$emit('hide', hideEvt);
          if (trigger !== 'ok') {
            // If another modal is already open, wait for it to close
            this.$root.$once('bv::modal::hidden', this.doShow);
            // Don't show if canceled
            if (hideEvt.defaultPrevented ||
              this.is_visible) return;
            // this could be the trigger
            if (trigger !== 'ok') {
              // We do this in nextTick to ensure the modal is in DOM first before we show it
              this._this2.$refs.modal,
                  relatedTarget: null
                });
              var shownEvt = new BvEvent('shown', { cancelable: false, vueTarget: _this2,
                target: _this2.$refs.modal,
                relatedTarget: null
              });
              _this2.$emit('change', true);
this.return_focus = triggerEl || null;
this.show();
hideHandler: function hideHandler(id) {
  if (id === this.id) {
    this.hide();
  }
}
mModall.addListener: function mModall.addListener(bvEvt) {
  // If another modal opens, close this one
  if (bvEvt.vueTarget !== this) {
    this.hide();
  }
}

triggerEl: function focusFirst() {
  // Don't try and focus if we are SSR
  if (typeof document === 'undefined') {
    return;
  }
  var content = this.$refs.content;
  var modal = this.$refs.modal;
  var activeElement = document.activeElement;
  if (activeElement && content && content.contains(activeElement)) {
    return;
  }
  var returnFocusTo = function returnFocusTo() {
    // Prefer returnFocus prop over event specified return_focus value
    var el = this.returnFocus || null;
    if (typeof el === 'string') {
      // CSS Selector
      el = select(el);
    }
    if (el) {
      el.focus();
    }
 );
  returnFocusTo();
}

triggerEl: function show() {
  if (bvEvt.vueTarget === this) {
    this.show();
  }
}

hideHandler: function hideHandler(id) {
  if (id === this.id) {
    this.hide();
  }
}

triggerEl: function modalListener(bvEvt) {
  // Focus control handlers
  if (bvEvt.vueTarget !== this) {
    this.hide();
  }
  if (bvEvt) {
    this.modall.addListener(bvEvt);
  }
}

// If another modal opens, close this one
if (bvEvt.vueTarget !== this) {
  this.hide();
}

if (bvEvt) {
  this.modall.addListener(bvEvt);
}

// Utility methods

scrollBarWidth: function getScrollbarWidth() {
  var scrollDiv = document.createElement('div');
  scrollDiv.className = 'modal-scrollbar-measure';
  document.body.appendChild(scrollDiv);
  this.scrollbarWidth = scrollDiv.getBoundingClientRect().width - scrollDiv.clientWidth;
  document.body.removeChild(scrollDiv);
}

// Adjust dialog
adjustDialog: function adjustDialog() {
  if (!this.is_visible) {
    return;
  }
  var modal = this.$refs.modal;
  var isModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;
  if (!this.isBodyOverflowing && isModalOverflowing) {
    modal.style.paddingLeft = this.scrollbarWidth + 'px';
  }
  if (this.isBodyOverflowing && !isModalOverflowing) {
    modal.style.paddingRight = this.scrollbarWidth + 'px';
  }

  var rect = getBCR(document.body);
  this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
}

setScrollbar: function setScrollbar() {
  if (this.isBodyOverflowing) {
    // Note: DOMNode.style.paddingRight returns the actual value or '' if not set
    // $(DOMNode).css('padding-right') returns the calculated value or 0 if not set
    var computedStyle = window.getComputedStyle;
    var body = document.body;
    var scrollbarWidth = this.scrollbarWidth;
    // Adjust fixed content padding
    selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
      el.style.paddingRight = parseFloat(computedStyle(el).paddingRight) + scrollbarWidth + 'px';
    });
    // Adjust sticky content margin
    selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
      el.style.marginRight = parseFloat(computedStyle(el).marginRight) + scrollbarWidth + 'px';
    });
    // Adjust navbar-toggler margin
    selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
      el.style.marginRight = parseFloat(computedStyle(el).marginRight) + scrollbarWidth + 'px';
    });
    // Adjust body padding
    var actualPadding = body.style.paddingRight;
    body.style.paddingRight = parseFloat(actualPadding) + scrollbarWidth + 'px';
}

resetScrollbar: function resetScrollbar() {
  // Restore fixed content padding
  selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
    el.style.paddingRight = parseFloat(el.style.paddingRight) || 0;
    setAttr(el, 'data-padding-right', el.style.paddingRight);
    el.style.paddingRight = parseFloat(el.style.paddingRight) - scrollbarWidth + 'px';
  });
  // Adjust sticky content margin
  selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
    el.style.marginRight = parseFloat(el.style.marginRight) - scrollbarWidth + 'px';
  });
  // Adjust navbar-toggler margin
  selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
    el.style.marginRight = parseFloat(el.style.marginRight) - scrollbarWidth + 'px';
  });
  // Adjust body padding
  var actualPadding = body.style.paddingRight;
  body.style.paddingRight = parseFloat(actualPadding) + scrollbarWidth + 'px';
}

// Utility methods

scrollBarWidth: function getScrollbarWidth() {
  var scrollDiv = document.createElement('div');
  scrollDiv.className = 'modal-scrollbar-measure';
  document.body.appendChild(scrollDiv);
  this.scrollbarWidth = scrollDiv.getBoundingClientRect().width - scrollDiv.clientWidth;
  document.body.removeChild(scrollDiv);
}

// Adjust dialog
adjustDialog: function adjustDialog() {
  if (!this.is_visible) {
    return;
  }
  var modal = this.$refs.modal;
  var isModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;
  if (!this.isBodyOverflowing && isModalOverflowing) {
    modal.style.paddingLeft = this.scrollbarWidth + 'px';
  }
  if (this.isBodyOverflowing && !isModalOverflowing) {
    modal.style.paddingRight = this.scrollbarWidth + 'px';
  }

  var rect = getBCR(document.body);
  this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
}

setScrollbar: function setScrollbar() {
  if (this.isBodyOverflowing) {
    // Note: DOMNode.style.paddingRight returns the actual value or '' if not set
    // $(DOMNode).css('padding-right') returns the calculated value or 0 if not set
    var computedStyle = window.getComputedStyle;
    var body = document.body;
    var scrollbarWidth = this.scrollbarWidth;
    // Adjust fixed content padding
    selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
      el.style.paddingRight = parseFloat(computedStyle(el).paddingRight) + scrollbarWidth + 'px';
    });
    // Adjust sticky content margin
    selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
      el.style.marginRight = parseFloat(computedStyle(el).marginRight) + scrollbarWidth + 'px';
    });
    // Adjust navbar-toggler margin
    selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
      el.style.marginRight = parseFloat(el.style.marginRight) + scrollbarWidth + 'px';
    });
    // Adjust body padding
    var actualPadding = body.style.paddingRight;
    body.style.paddingRight = parseFloat(actualPadding) + scrollbarWidth + 'px';
}

resetScrollbar: function resetScrollbar() {
  // Restore fixed content padding
  selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
    el.style.paddingRight = parseFloat(el.style.paddingRight) || 0;
    setAttr(el, 'data-padding-right', el.style.paddingRight);
    el.style.paddingRight = parseFloat(el.style.paddingRight) - scrollbarWidth + 'px';
  });
  // Adjust sticky content margin
  selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
    el.style.marginRight = parseFloat(el.style.marginRight) - scrollbarWidth + 'px';
  });
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  selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
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  });
  // Adjust body padding
  var actualPadding = body.style.paddingRight;
  body.style.paddingRight = parseFloat(actualPadding) + scrollbarWidth + 'px';
}

// Utility methods

scrollBarWidth: function getScrollbarWidth() {
  var scrollDiv = document.createElement('div');
  scrollDiv.className = 'modal-scrollbar-measure';
  document.body.appendChild(scrollDiv);
  this.scrollbarWidth = scrollDiv.getBoundingClientRect().width - scrollDiv.clientWidth;
  document.body.removeChild(scrollDiv);
}

// Adjust dialog
adjustDialog: function adjustDialog() {
  if (!this.is_visible) {
    return;
  }
  var modal = this.$refs.modal;
  var isModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;
  if (!this.isBodyOverflowing && isModalOverflowing) {
    modal.style.paddingLeft = this.scrollbarWidth + 'px';
  }
  if (this.isBodyOverflowing && !isModalOverflowing) {
    modal.style.paddingRight = this.scrollbarWidth + 'px';
  }

  var rect = getBCR(document.body);
  this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
}

setScrollbar: function setScrollbar() {
  if (this.isBodyOverflowing) {
    // Note: DOMNode.style.paddingRight returns the actual value or '' if not set
    // $(DOMNode).css('padding-right') returns the calculated value or 0 if not set
    var computedStyle = window.getComputedStyle;
    var body = document.body;
    var scrollbarWidth = this.scrollbarWidth;
    // Adjust fixed content padding
    selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
      el.style.paddingRight = parseFloat(computedStyle(el).paddingRight) + scrollbarWidth + 'px';
    });
    // Adjust sticky content margin
    selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
      el.style.marginRight = parseFloat(computedStyle(el).marginRight) + scrollbarWidth + 'px';
    });
    // Adjust navbar-toggler margin
    selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
      el.style.marginRight = parseFloat(el.style.marginRight) + scrollbarWidth + 'px';
    });
    // Adjust body padding
    var actualPadding = body.style.paddingRight;
    body.style.paddingRight = parseFloat(actualPadding) + scrollbarWidth + 'px';
}

resetScrollbar: function resetScrollbar() {
  // Restore fixed content padding
  selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
    el.style.paddingRight = parseFloat(el.style.paddingRight) || 0;
    setAttr(el, 'data-padding-right', el.style.paddingRight);
    el.style.paddingRight = parseFloat(el.style.paddingRight) - scrollbarWidth + 'px';
  });
  // Adjust sticky content margin
  selectAll(Selector.STICKY_CONTENT).forEach(function (el) {
    el.style.marginRight = parseFloat(el.style.marginRight) - scrollbarWidth + 'px';
  });
  // Adjust navbar-toggler margin
  selectAll(Selector.NAVBAR_TOGGLER).forEach(function (el) {
    el.style.marginRight = parseFloat(el.style.marginRight) - scrollbarWidth + 'px';
  });
  // Adjust body padding
  var actualPadding = body.style.paddingRight;
  body.style.paddingRight = parseFloat(actualPadding) + scrollbarWidth + 'px';
}
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mount: function mounted() {
  // Initialize modal
  this._observer = null;
}

beforeDestroy: function beforeDestroy() {
  // Ensure everything is back to normal
  if (this._observer) {
    this._observer.disconnect();
  }
  this.setResizeEvent(false);
  this.resetAdjustments();
  this.resetScrollbar();
}

render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('div', {
    staticClass: 'embed-form',
    on: {
      'click': _vm.copyEmbedCode
    }
  }, [
    _c('div', {
      staticClass: 'embed-form__heading',
      on: {
        'click': _vm.toggleResponsiveCheck
      }
    }, _vm._v(_vm.$t('embed-form.heading'))),
    _c('div', {
      staticClass: 'embed-form__code',
      attrs: {
        'readonly': true
      },
      domProps: {
        'value': _vm.embedCode()
      },
      on: {
        'click': _vm.selectCode
      }
    }, _vm._v(_vm.$t('embed-form.introduction'))),
    _c('div', {
      staticClass: 'embed-form__preview',
      attrs: {
        'innerHTML': _vm.embedCode(false)
      }
    }, _vm._v(_vm.$t('embed-form.preview'))),
    _c('button', {
      staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold',
      on: {
        'click': _vm.copyEmbedCode
      }
    }, _vm._v(_vm.$t('embed-form.copy'))),
    _c('label', {
      staticClass: 'custom-control custom-control-checkbox btn btn-sm float-left',
      on: {
        'click': _vm.toggleResponsiveCheck
      }
    }, _vm._v(_vm.$t('embed-form.responsive-optin'))),
    _c('div', {
      staticClass: 'embed-form__preview',
      attrs: {
        'innerHTML': _vm.embedCode(true)
      }
    }, _vm._v(_vm.$t('embed-form.preview'))),
    _c('button', {
      staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold',
      on: {
        'click': _vm.copyEmbedCode
      }
    }, _vm._v(_vm.$t('embed-form.copy'))),
    _c('div', {
      staticClass: 'embed-form__code',
      attrs: {
        'readonly': true
      },
      domProps: {
        'value': _vm.embedCode()
      },
      on: {
        'click': _vm.selectCode
      }
    }, _vm._v(_vm.$t('embed-form.introduction'))),
    _c('div', {
      staticClass: 'embed-form__preview',
      attrs: {
        'innerHTML': _vm.embedCode(false)
      }
    }, _vm._v(_vm.$t('embed-form.preview'))),
    _c('button', {
      staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold',
      on: {
        'click': _vm.copyEmbedCode
      }
    }, _vm._v(_vm.$t('embed-form.copy'))),
    _c('label', {
      staticClass: 'custom-control custom-control-checkbox btn btn-sm float-left',
      on: {
        'click': _vm.toggleResponsiveCheck
      }
    }, _vm._v(_vm.$t('embed-form.responsive-optin'))),
    _c('div', {
      staticClass: 'embed-form__preview',
      attrs: {
        'innerHTML': _vm.embedCode(true)
      }
    }, _vm._v(_vm.$t('embed-form.preview'))),
    _c('button', {
      staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold',
      on: {
        'click': _vm.copyEmbedCode
      }
    }, _vm._v(_vm.$t('embed-form.copy'))),
    _c('div', {
      staticClass: 'embed-form__code',
      attrs: {
        'readonly': true
      },
      domProps: {
        'value': _vm.embedCode()
      },
      on: {
        'click': _vm.selectCode
      }
    }, _vm._v(_vm.$t('embed-form.introduction'))),
    _c('div', {
      staticClass: 'embed-form__preview',
      attrs: {
        'innerHTML': _vm.embedCode(false)
      }
    }, _vm._v(_vm.$t('embed-form.preview'))),
    _c('button', {
      staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold',
      on: {
        'click': _vm.copyEmbedCode
      }
    }, _vm._v(_vm.$t('embed-form.copy'))),
    _c('label', {
      staticClass: 'custom-control custom-control-checkbox btn btn-sm float-left',
      on: {
        'click': _vm.toggleResponsiveCheck
      }
    }, _vm._v(_vm.$t('embed-form.responsive-optin'))),
  ]);}

staticRenderFns = []

export { render, staticRenderFns }

function _typeof2(obj) { if (typeof Symbol === "function" && typeof Symbol.iterator === "symbol") { _typeof2 = function _typeof2(obj) { return typeof obj; }; } else { _typeof2 = function _typeof2(obj) { return typeof obj; }; } return _typeof2(obj); }

export default function _typeof(obj) {
  if (typeof Symbol === "function" && _typeof2(Symbol.prototype.valueOf) === "symbol") {
    _typeof2 = function _typeof2(obj) { return typeof obj; }; } else { _typeof2 = function _typeof2(obj) { return typeof obj; }; } return typeof obj; }

import Clipboard from 'clipboard'

export function copyText (text, container) {
  return new Promise(function (resolve, reject) {
    var fakeElement = document.createElement('button')
    var clipboard = new Clipboard(fakeElement, {
      text: () => text,
      action: () => ('copy'),
      container: container
    })
    clipboard.on('success', error => {
      clipboard.destroy()
    })
    var fakeElement = document.createElement('button')
    var clipboard = new Clipboard(fakeElement, {
      text: () => text,
      action: () => ('copy'),
      container: container
    })
  })
}
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```javascript
import bModal from 'bootstrap-vue/es/components/modal/modal'
import SocialSharing from 'vue-social-sharing';
import get from 'lodash/get'
import reduce from 'lodash/reduce'

import i18n from '@/i18n'
import { faCode } from '@fortawesome/free-solid-svg-icons/faCode'
import { faEnvelope } from '@fortawesome/free-solid-svg-icons/faEnvelope'
import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

import EmbedForm from './EmbedForm.vue'
import config from '../config'
import IframeResizer from '../utils/iframe-resizer'

import { library } from './Fa'

/**
 * SharingOptions
 */
export default {
  i18n,
  name: 'SharingOptions',
  components: {
    bModal,
    EmbedForm,
    SocialSharing,
    /** Prevent a bug with vue-docgen-api * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23 */
    Fa: require('./Fa').default
  },
  beforeMount () {
    library.add(faCode, faEnvelope, faTwitter, faFacebook, faLinkedin)
    // Inject Fa components in child component
    SocialSharing.components.Fa = require('./Fa').default
  },
  props: {
    /**
     * URL to be shared.
     */
    url: {
      type: String,
      default: () => config.get('sharing-options.url', null) || IframeResizer.deletePymParams()
    },
    /**
     * Direction of the sharing options. Can be: <em>row</em>, <em>row-reverse</em>, <em>column</em> or <em>column-reverse</em>.
     */
    direction: {
      default: 'row',
      validator (value) {
        return ['row', 'row-reverse', 'column', 'column-reverse'].indexOf(value) !== -1
      }
    },
    /**
     * Sharing contents wich can be generic (title, description, etc) or specific to a network (twitter_title, facebook_description, etc).
     */
    values: {
      type: Object,
      default: () => ({})
    },
    /**
     * The list of all the keys to automatlcy inject in each social button.
     */
    valuesKeys: {
      default: () => ['url', 'title', 'description', 'media', 'twitter-user'],
      type: Array
    },
    /**
     * Prevent from reading default value from the <code>meta</code>.
     */
    noMeta: {
      type: Boolean
    },
    /**
     * Disable embed button.
     */
    noEmbedded: {
      type: Boolean
    },
    /**
     * Minimum height of the iframe in the embed form.
     */
    iframeMinHeight: {
      type: Number
    },
    /**
     * Minimum width of the iframe in the embed form.
     */
    iframeMinWidth: {
      type: Number
    },
    /**
     * Prevent from reading default value from the <code>meta</code>.
     */
    noMeta: {
      type: Boolean
    },
  },
  methods: {
    showEmbedForm () {
      this.showShareOptions = false
      return this.$refs.embedForm.show()
    },
    valuesFor (network) {
      const values = Object.assign(this.metaValues, this.values)
      return reduce(valuesKeys, (res, key) => {
        res[key] = get(values, `$\{key\}`)
        return res
      }, {})},
    defaultValueFor(key, metaSelector = null) {
      if (this.noMeta || !metaSelector) {
        return config.get(key)
      }
      return get(document.head.querySelector(metaSelector), 'content', config.get(key))
    },
    computed: {
      ...
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```javascript
/**
 * Target of the ICIJ logo and title links.
 */
homeUrl: {
  type: String,
  default: () => config.get('app.home')
},
/**
 * Sharing options values to bind to the sharing-options component on the bottom-right corner.
 */
sharingOptionsValues: {
  type: Object,
  default: () => ({})
},
/**
 * Facility to toggle sharing options display.
 */
mounted () {
  IFrameResizer.create();
}

</script>

<style lang="scss" scoped>
  @import '../styles/lib';
  @import '../styles/mixins';

  @include keyframes(slideup) {
    0% {
      transform: translateY(100%);
      opacity:0;
    }

    100% {
      transform: translateY(0%);
      opacity:1;
    }
  }

  .embeddable-footer {
    display:flex;
    flex-direction:row;
    align-items:center;
    z-index:$zindex-sticky;
    position:fixed;
    bottom:0;
    width:100%;
    background:black;
    color:white;
    // Magic technique to have a minimum font-size (10px-ish)
    font-size:calc(10px + 1.5vh);
    @media screen and (min-height: 800px) {
      font-size:1rem;
    }
    margin-left:0;
    margin-bottom:0;
    padding-right:0;
    margin-right:0;
    border-right:2px solid white;
    font-family:Headings-font-family;
    font-size:1.1em;
    min-width:0;
    min-height:0.9em;
    &__share-btn {
      border:1px solid transparent;
      height:2.5em;
      line-height:2.5em;
      width:2.5em;
      font-size:80%;
      text-align:center;
      border-radius:50%;
      &.active {
        border-color:white;
      }
      &:hover {
        background:rgba(white,1);
      }
    }
  }

</style>
```
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[36x36] border-primary rounded-circle bg-white follow-us__social-btn",attrs: [{"href":"https://www.linkedin.com/company/1732242\","target":"_blank","title":""LinkedIn""}],_c('div',attrs: [{"icon": ['fab', 'linkedin'],"size":"lg"}]),_c('span',attrs: {"class": 'sr-only'}),_c('a',attrs: {"href": '/\"LinkedIn\"\",class: 'follow-us__social-btn',"target": '_blank","title": 'Linkedin""}],1)\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\}}\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\})\Iso
var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('footer', {staticClass: 'generic-footer'}, 
  _c('div', {attrs: {class: 'container'}}, 
    _c('div', {staticClass: 'row'}, 
      _c('div', {staticClass: 'col-md-7'}, 
        _c('h5', {staticClass: 'text-selective-yellow text-uppercase mb-3'}, 
          _vm._v(_s(_vm.$t('generic-footer.investigations'))))
      ), _vm._t('investigations', [_vm._m(1)])
    ),
    _c('div', {staticClass: 'col-md-4'}, 
      _c('h5', {staticClass: 'text-selective-yellow text-uppercase mb-3'}, 
        _vm._v(_s(_vm.$t('generic-footer.follow-us'))) 
      )
    ),
    _c('p', {staticClass: 'text-white text-md-right small mt-5'}, 
      _c('strong', [_c('a', {attrs: {href: 'mailto:contact@icij.org', target: '_blank'}}, [_vm._v('contact@icij.org')])])
    ),
    _c('ul', {staticClass: 'list-unstyled'}, 
      _c('li', {staticClass: 'list-unstyled-item'}, 
        _c('a', {attrs: {href: 'https://www.icij.org/investigations/paradise-papers/', target: '_blank'}}, 
          _vm._v('Paradise Papers') 
        )
      ),
      _c('li', {staticClass: 'list-unstyled-item'}, 
        _c('a', {attrs: {href: 'https://www.icij.org/investigations/panama-papers/', target: '_blank'}}, 
          _vm._v('Panama Papers') 
        )
      ),
      _c('li', {staticClass: 'list-unstyled-item'}, 
        _c('a', {attrs: {href: 'https://www.icij.org/investigations/worldbank/', target: '_blank'}}, 
          _vm._v('Evicted and Abandoned') 
        )
      )
    ),
    _c('p', {staticClass: 'text-white text-md-right small mt-5'}, 
      _c('strong', [_c('a', {attrs: {href: 'https://www.icij.org/investigations/offshore/', target: '_blank'}}, [_vm._v('Secrecy for Sale')])])
    )
  );
}

var staticRenderFns = [
  function () {
    var _vm = this;
    var _h = _vm.$createElement;
    var _c = _vm._self._c || _h;
    return _c('div', {attrs: {class: 'container'}}, 
      _c('div', {staticClass: 'row justify-content-end'}, 
        _c('div', {staticClass: 'col-md-5'}, 
          _c('h5', {staticClass: 'text-selective-yellow text-uppercase mb-3'}, 
            _vm._v(_s(_vm.$t('generic-footer.investigations'))) 
          )
        ),
        _c('div', {staticClass: 'text-selective-yellow text-uppercase mb-3'}, 
          _vm._v(_s(_vm.$t('generic-footer.follow-us'))) 
        ),
        _c('p', {staticClass: 'text-white text-md-right small mt-5'}, 
          _c('strong', [_c('a', {attrs: {href: 'mailto:contact@icij.org', target: '_blank'}}, [_vm._v('contact@icij.org')])])
        ),
        _c('ul', {staticClass: 'list-unstyled'}, 
          _c('li', {staticClass: 'list-unstyled-item'}, 
            _c('a', {attrs: {href: 'https://www.icij.org/investigations/paradise-papers/', target: '_blank'}}, 
              _vm._v('Paradise Papers') 
            )
          ),
          _c('li', {staticClass: 'list-unstyled-item'}, 
            _c('a', {attrs: {href: 'https://www.icij.org/investigations/panama-papers/', target: '_blank'}}, 
              _vm._v('Panama Papers') 
            )
          ),
          _c('li', {staticClass: 'list-unstyled-item'}, 
            _c('a', {attrs: {href: 'https://www.icij.org/investigations/worldbank/', target: '_blank'}}, 
              _vm._v('Evicted and Abandoned') 
            )
          ),
          _c('li', {staticClass: 'list-unstyled-item'}, 
            _c('a', {attrs: {href: 'https://www.icij.org/investigations/offshore/', target: '_blank'}}, 
              _vm._v('Secrecy for Sale') 
            )
          )
        )
      )
    );
  }];

var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  "440d5984",
  null
);

component.options.__file = "FollowUsPopover.vue";
export default component.exports;
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0
webpack bundle

import { mount } from 'vue-test-utils';
import BvDropdown from '../src/components/bvDropdown';

describe('BvDropdown', () => {
  beforeEach(() => {
    window.$ = { select: () => [] };
  });

  describe('dropdown menu', () => {
    const wrapper = mount(BvDropdown, {
      propsData: {
        disabled: false,
        text: 'Hello World'
      }
    });

    it('should render a dropdown menu', () => {
      expect(wrapper.exists()).toBeTruthy();
    });

    it('should listen to click events', () => {
      const clickHandler = sinon.stub();
      wrapper.setProps({ clickHandler });
      wrapper.find('.dropdown-toggle').trigger('click');
      expect(clickHandler).toHaveBeenCalled();
    });

    it('should hide the menu when clicked outside', () => {
      const clickHandler = sinon.stub();
      wrapper.setProps({ clickHandler });
      wrapper.find('.dropdown-toggle').trigger('click');
      expect(clickHandler).toHaveBeenCalled();
      wrapper.find('.dropdown-menu').trigger('click');
      expect(clickHandler).toHaveBeenCalled();
    });
  });

  describe('dropdown menu with attributes', () => {
    const wrapper = mount(BvDropdown, {
      propsData: {
        disabled: false,
        text: 'Hello World'
      },
      attributes: { role: 'menuitem' }
    });

    it('should render a dropdown menu with attributes', () => {
      expect(wrapper.exists()).toBeTruthy();
    });

    it('should render a menu item', () => {
      const menuItems = wrapper.findAll('.dropdown-item');
      expect(menuItems.length).toBe(1);
    });
  });

  describe('dropdown menu with multiple items', () => {
    const wrapper = mount(BvDropdown, {
      propsData: {
        disabled: false,
        text: 'Hello World'
      },
      items: ['Item 1', 'Item 2', 'Item 3']
    });

    it('should render a dropdown menu with multiple items', () => {
      expect(wrapper.exists()).toBeTruthy();
    });

    it('should render multiple menu items', () => {
      const menuItems = wrapper.findAll('.dropdown-item');
      expect(menuItems.length).toBe(3);
    });
  });
});
// TODO: Special handling for inputs? Inputs are in a special .dropdown-form container

var item = evt.target;
if (item.classList.contains('dropdown-item') && item.disabled &
  !item.classList.contains('disabled')) { // item.focus()

  // Focus
  focusNext(evt, up) {
    if (this._this2 = this; this; )
      return;
    this.$nextTick(function ()
      var items = _this2.getItems();
      if (items.length < 1) {
        return;
      }

      var index = items.indexOf(evt.target);
    if (index < 0) {
      return;
    }

    var el = items.find(function (el, i) {
      return i === idx;
    });

    if (el & el.getAttribute('aria-expanded') !== 'true') {
      return;
    }
    if (on) {
      this.close();
    }

    var link = this.$refs.menu;
    if (link) {
      link.click();
    }
  };

  // Get all items
  return filterVisible(selectAll(ITEM_SELECTOR, this.$refs.menu));
}

getFirstItem: function getFirstItem() {
  // Get the first non-disabled item
  var item = this.getItems().find(function (item) {
    return item.classList.contains('disabled') || item.disabled || !item.classList.contains('disabled');
  });

  if (item) {
    return item;
  }
}

// Signal to dropdown mixin that we are in a navbar
return true;

// Dropdown

function dropdownClasses() {
  return ('nav-item', 'b-nav-dropdown', 'dropdown', this.dropup ? 'dropup' : '', this.visible ? 'show' : '');
}

function toggleClasses() {
  return ('nav-link', this.noCaret ? '' : 'dropdown-toggle');
}

function menuClasses() {
  return ('dropdown-menu', this.right ? 'dropdown-menu-right' : 'dropdown-menu-left', 'show');
}

function extraMenuClasses() {
  return (String, this.type: Boolean, default: false)
}

function extraMenuClasses(type: String, default: null, role: {
  type: String, default: 'menu'
}) {
  return {
    name: type, class: this.dropdownClasses(), [button, menu]
  };
}

computed: {
  isNav: function isNav() {
    return (this.$slots.default || this.$slots.text || h('span', {
      class: this.menuClasses,
      ref: 'menu',
      attrs: {
        'aria-labelledby': this.safeId('_BV_button_')
      },
      on: {
        click: this.toggle,
        keydown: this.toggle // space, enter, down
      },
      keyup: function keyup() {
        this.$nextTick(function () {
          var items = this.getItems();
          if (items.length < 1) {
            return;
          }
          var index = items.indexOf(evt.target);

          if (index < 0) {
            index = 0;
          }
          _this2.focusItem(index, items);
        });
      }
    },
    focusToggler: function focusToggler() {
      var toggler = this.toggler;
      if (toggler && toggler.focus) {
        toggler.focus();
      }
    }
  }
};
RIGHT: 'right',
BOTTOM: 'bottom',
LEFT: 'left',
TOPLEFT: 'top',
TOPRIGHT: 'top',
RIGHTTOP: 'right',
BOTTOMRIGHT: 'right',
BOTTOMLEFT: 'bottom',
BOTTOMRIGHT: 'bottom',
OFFSETO: 'offset',
var OffsetMap = {
  AUTO: 0,
  TOP: 1,
  TOPLEFT: 1,
  TOPRIGHT: 1,
  BOTTOM: 0,
  BOTTOMLEFT: +1,
  BOTTOMRIGHT: +1,
  LEFT: 0,
  LEFTTOP: -1,
  LEFTBOTTOM: -1,
  RIGHTTOP: +1,
  RIGHTBOTTOM: +1,
  RIGHT: 1,
  BOTTOMLEFT: -1,
  BOTTOMRIGHT: -1,
  LEFTTOP: -1,
  LEFTBOTTOM: -1
};

var HoverState = {
  SHOW: 'show',
  OUT: 'out'
};

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TOOLTIP: '.tooltip',
  TOOLTIP_INNER: '.tooltip-inner',
  ARROW: '.arrow'
};

var Trigger = {
  HOVER: 'hover',
  FOCUS: 'focus',
  CLICK: 'click',
  BLUR: 'blur',
  MANUAL: 'manual'
};

var Defaults = {
  animation: true,
  template: '<div class="tooltip"
    role="tooltip">' + '<div class="arrow"></div>' + '<div class="tooltip-inner"></div>' + '</div>',
  trigger: 'hover focus',
  title: '',
  delay: 0,
  html: false,
  placement: 'top',
  offset: 0,
  container: false,
  fallbackPlacement: 'flip',
  callbacks: [],
  boundary: 'scrollParent',
  TransitionEndEvents = {
    WebkitTransition: '[webkitTransitionEnd]',
    MozTransition: '[transitionend]',
    OTransition: '[transitionend]',
    transition: '[transitionend]',
  },
  // ESLINT: Not used
  // const
  Trigger = {
    HOVER: 'hover',
    FOCUS: 'focus',
    CLICK: 'click',
    BLUR: 'blur',
    MANUAL: 'manual'
  },
  // NOTE: Overridden by PopOver class
  _createClassCheck(this, ToolTip, document)
  ||
  OnTransition: ['transitionend', 'transitionend'],
  APIransitionEnd: document
  ClientSide Tip ID counter for aria-describedby attribute
  // Could use Alex's uid generator util
  // Each tooltip requires a unique client side ID
  NEXTID = 1,
  NAMESPACE = 'toolkit-tooltip',
  ARROW: 'arrow',
  DEFAULTS: {
    // Default config
    animation: false,
    template: '<div class="tooltip"
      role="tooltip"> ' + '<div class="arrow"></div>' + '<div class="tooltip-inner"></div>' + '</div>',
    trigger: 'hover focus',
    title: '',
    delay: 0,
    html: false,
    placement: 'top',
    offset: 0,
    container: false,
    fallbackPlacement: 'flip',
    callbacks: [],
    boundary: 'scrollParent',
    NEXTID: 1,
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var relatedTarget = e.relatedTarget;
var $element = this.$element;
var $tip = this.$tip;

if (!$element) {
  return;
}
if (!$tip) {
  return;
}
if ($element && $element.contains(target) && $element.contains(relatedTarget)) {
  // If focus moves within $element, don't trigger a leave
  return;
}

if ($tip && $tip.contains(target) && $element.contains(relatedTarget)) {
  // If focus moves from $element to $tip, don't trigger a leave
  return;
}

if ($tip && $element && $element.contains(target) && $tip.contains(relatedTarget)) {
  if ((typeof title === 'undefined' || typeof(title) !== 'function') && !this.$isEnabled) {
    // If not enabled
    return;
  }

  var type = e.type;

  var $element = this.$element;
  var $tip = this.$tip;

  if (type === 'mousedown') {
    // target is the element which is gaining focus
    if (this.$isEnabled && $element.contains(target) && $element !== $tip) {
      // And maintain our binding to 'this'
      triggers.forEach(function (trigger) {
        if (trigger === 'click') {
          this.setContent($tip);
        } else if (trigger === 'focus') {
          eventOn($element, 'focusin', this);
        } else if (trigger === 'blur') {
          // Used to close Stip when element looses focus
          eventOn($element, 'focusout', this);
        } else if (trigger === 'mouseleave') {
          // Set a leave event
          eventOff($element, 'mouseleave', this);
          eventOn($element, 'mouseenter', this);
        } else if (trigger === 'mouseover') {
          // Set a focus event
          eventOff($element, 'focusout', this);
          eventOn($element, 'focusin', this);
        } else if (trigger === 'mouseout') {
          // Set a blur event
          eventOff($element, 'focusout', this);
          eventOn($element, 'focusin', this);
        }
      }, this);
    } else {
      // See if the tip is displayed
      if (this.$rootListener) {
        this.setRootListener(false);
      }
    }
  } else if (type === 'focusout') {
    // target is the element which is loosing focus
    // And relatedTarget is the element gaining focus
    if ($element && $element.contains(target) && $tip.contains(relatedTarget)) {
      // If focus moves from $element to $tip, don't trigger a leave
      return;
    }
  } else if (type === 'mouseenter') {
    this.enter(e);
  } else if (type === 'mouseleave') {
    this.leave(e);
  }

  /* istanbul ignore next */

  var _this8 = this;

  if (on) {
    var _this7 = this;

    if ($element && $element.contains(target) && $element.contains(relatedTarget)) {
      // If focus moves within $element, don't trigger a leave
      return;
    }

    // Otherwise trigger a leave
    this.leave(e);
  }

  /* istanbul ignore next */

  // Set the RouteWatcher
  function setRouteWatcher(on) {
    var _this8 = this;

    if (on) {
      this.$rootListener = on;
    } else {
      this.$rootListener = false;
    }

    // Set up the route changes watcher
    eventOff($element, 'mouseup', this);
    eventOn($element, 'mouseup', this);
  }
var _typeof = typeof Symbol === "function" && typeof Symbol.iterator === "symbol" ? function (obj) { return typeof obj; } : function (obj) { return obj && typeof Symbol === "function" && obj.constructor === Symbol && obj !== Symbol.prototype ? "symbol" : typeof obj; },

var _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if ("value" in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }; }();

function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function"); } }

function _possibleConstructorReturn(self, call) { if (!self) { throw new ReferenceError("this hasn't been initialised - super() hasn't been called"); } return call && (typeof call === "object" || typeof call === "function") ? call : self; }

function _inherits(subClass, superClass) { if (typeof superClass !== "function" && superClass !== null) { throw new TypeError("Super expression must either be null or a function, not " + typeof superClass); } subClass.prototype = Object.create(superClass && superClass.prototype, { constructor: { value: subClass, enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ? Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ =
superClass; }

import ToolTip from './tooltip.class';
import { assign } from './object';
import { select, addClass, removeClass, getAttr } from './dom';

var NAME = 'popover';

var BSCLS_PREFIX_REGEXP = new RegExp('\\b' + CLASS_PREFIX + '\\\S+', 'g');

var Defaults = assign([], ToolTip.Default, { placement: 'right', trigger: 'click', content: '', $template: `<div class="popover-body"></div>` });

var CLASS_PREFIX = 'bs-popover-body';

var BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '\\S+', 'g');

var ClassName = { FADE: 'fade', SHOW: 'show' }, Selector = { TITLE: 'popover-header', CONTENT: 'popover-body' };

var Namespace = { *
/* istanbul ignore next: dificult to test in Jest/JSDOM environment */

var PopOver = function (_ToolTip) {
  _inherits(PopOver, _ToolTip);

  function PopOver() {
    _classCallCheck(this, PopOver);

    return _possibleConstructorReturn(this, (PopOver.__proto__ || Object.getPrototypeOf(PopOver)).apply(this, arguments));
  }

  _createClass(PopOver, [{
    key: isWithContent, // Method overrides

    value: function isWithContent(tip) {
      tip = tip || this.$tip;
      if (!tip) {
        return false;
      }
      var hasTitle = Boolean(select(Selector.TITLE, tip) || {}).innerHTML;
      var hasContent = Boolean(select(Selector.CONTENT, tip) || {}).innerHTML;
      return hasTitle || hasContent;
    }
  }, { key: addAttachmentClass, value: function addAttachmentClass(attachment) {
    addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
  }, { key: setContent, value: function setContent(tip) {
    // we use append for html objects to maintain js events/components
    this.setElementContent(select(Selector.TITLE, tip), this.getTitle());
    this.setElementContent(select(Selector.CONTENT, tip), this.getContent());
    removeClass(tip, ClassName.FADE);
    removeClass(tip, ClassName.SHOW);
  } }, { key: cleanTipClass, value: function cleanTipClass() {
    var tip = this.getTipElement();
    var tabClass = tip.className.match(BSCLS_PREFIX_REGEXP);
    if (tabClass !== null && tabClass.length > 0) {
      var tabClass.forEach(function (cls) {
        removeClass(tip, cls);
      });
    }
    var title = this.$config.title || '';
    if (typeof title === 'function') {
      title = title(this.$element);
    }
    if ((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType && !title.innerHTML.trim()) {
      // We have a dom node, but without inner content, so just return an empty string
      title = '';
    }
    if (typeof title === 'string') {
      title = title.trim();
    }
    if (!title) {
      // Try and grab element's title attribute
      title = getAttr(this.$element, 'title') || getAttr(this.$element, 'data-original-title') || '';
    }
    // New methods
    this.$config.content = this.$config.content || function contentCleanTip() {
      var tip = this.$tip;
      var varTabClass = tip.className.match(BSCLS_PREFIX_REGEXP);
      if (varTabClass !== null && varTabClass.length > 0) {
        var varTabClass.forEach(function (cls) {
          removeClass(tip, cls);
        });
      }
      var title = this.$config.title || '';
      if (typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType && !title.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        title = '';
      }
      if (typeof title === 'string') {
        title = title.trim();
      }
      return title;
    }
  } }, { key: getTitle, value: function getTitle() {
    var title = this.$config.title || '';
    if (typeof title === 'function') {
      title = title(this.$element);
    }
    if ((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType && !title.innerHTML.trim()) {
      // We have a dom node, but without inner content, so just return an empty string
      title = '';
    }
    if (typeof title === 'string') {
      title = title.trim();
    }
    return title;
  } }, { key: getContent, value: function getContent() {
    var content = this.$config.content || '';
    if (typeof content === 'function') {
      content = content(this.$element);
    }
    if ((typeof content === 'undefined' ? 'undefined' : _typeof(content)) === 'object' && content.nodeType && !content.innerHTML.trim()) {
      // We have a dom node, but without inner content, so just return an empty string
      content = '';
    }
    if (typeof content === 'string') {
      content = content.trim();
    }
    return content;
  } });

  return PopOver;
}(ToolTip);

export default PopOver;
var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/**
 * The string `[[Object]]` result references.
 */
var objectTag = '[object Object]';

/**
 * Checks if `value` is classified as `Object` primitive or object.
 *
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an object, else `false`.
 * @example
 *
 * _.isObject({ a: 1, b: 2 });
 * // => true
 *
 * _.isObject(123);
 * // => false
 */
function isObject(value)
{
  return value && (typeof value == 'object' ||
                   baseGetTag(value) == objectTag);
}

module.exports = isObject;
"monthly": "Monthly",
"yearly": "Yearly",
"onetime": "One time"
},
"result": {
"sentence": "With this donation, you are <strong>changing the %{target}</strong>.",
"conversation": "conversation",
"rules": "rules",
"world": "world"
},
"submit": "Donate now",
"benefits": {
"heading": "ICIJ Insiders benefits",
"introduction": "Your monthly or annual donation will give you the following benefits.",
"more": "More about donations",
"impacts": {
"conversation": {
"heading": "Change the conversation",
"highlight": "$3-$14/month (or $35-$179/year)",
"list": [
  "ICIJ Insider Newsletter (quarterly)",
  "ICIJ’s Weekly Update"
]
},
"rules": {
"heading": "Change the rules",
"highlight": "$15-$49/month (or $180-$599/year)",
"list": [
  "Opportunity to submit your question to ICIJ staff. Several questions will be answered in our quarterly ICIJ Insider newsletter",
  "ICIJ Insider Newsletter (quarterly)",
  "ICIJ’s Weekly Update"
]
},
"world": {
"heading": "Change the world",
"highlight": "$50/month and above (or $600/year and above)",
"list": [
  "Invitation to exclusive chat with ICIJ staff about our latest major project after publication",
  "Opportunity to submit your questions to ICIJ staff. Several questions will be answered in our quarterly ICIJ Insider newsletter",
  "ICIJ Insider Newsletter (quarterly)",
  "ICIJ’s Weekly Update"
]
}
}
"sign-up-form": {
    "label": "Stories in your inbox",
    "placeholder": "Email address",
    "submit": "Sign up"
}
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-tgz/package/lib/locales/en.json

No license file was found, but licenses were detected in source scan.
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

961
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0
markFunction(function( argument ) {\n\ntagument = +argument;\n\nreturn markFunction(function( seed, matches ) {\n\nvar j,\n\nmatchIndexes = fn( [j, seed.length, argument ], i, \n\nt = matchIndexes.length;\n\n\nwhile ( j-- ) {\n\n\nmatchIndexes[j] = (matches[j] = seed[j]);\n\n\n\n\n\n\n\n\n```
} \n```
});
});

markFunction(function( function( seed, matches ) {\n\nvar j,
\nmatchIndexes = fn( [j, seed.length, argument ], i, \n\nt = matchIndexes.length;\n\n\nwhile ( j-- ) {\n\n\nmatchIndexes[j] = (matches[j] = seed[j]);\n\n\n\n\n```
} \n```
));

markFunction(function( function( argument ) {
	argument = +argument;
	return markFunction(function( seed, matches ) {
	var j,
	matchIndexes = fn( [j, seed.length, argument ], i, \n
t = matchIndexes.length;\n
while ( j-- ) {
	if ( seed[ (j = matchIndexes[ i ] ) ] ) {
		seed[ j ] = !(matches[ j ] = seed[ j ]);\n	}
	}
});
	});
	});

/**
 * Checks a node for validity as a Sizzle context
 * @param {Object} context
 * @returns {Boolean} True iff element is a non-HTML XML node
 */
documentElement = documentElement || documentElementIsHTML = false;

```javascript
markFunction(function( function( argument ) {\n	argument = +argument;
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} \n```
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```

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});
```
```````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````
Tag\nExpr.find("TAG") = support.getElementsByTagName ?
		function (tag, context) { return ( typeof
context.getElementsByTagName !== "undefined" )
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
null}

The foundational matcher ensures that elements are reachable from top-level context(s).

var addCombinator = function( matcher ) {
    return setMatcher( matcherOut, matcher )
};

if ( (matcher = Expr.relative[ tokens[0].type ]) ) {
    matchers = [ addCombinator( function( elem ) {
        return matcher( elem, null, null )
    }, matcher[0] ) ];
} else {
    matcher = Expr.filter[ tokens[0].type ].apply( null, tokens[0].matches )
    matchers = [ function( elem ) {
        return matcher( elem )
    } ]
}

matcherOut = condense( matcherOut, matcher )

for ( ; i < len; i++ ) {
    if ( matcherOut[ i ] ) {
        var temp = postFinder ?
            indexOf( seed, elem ) : preMap[ i ];
        if ( temp > -1 ) {
            matcherOut.splice( temp, 1 );
        }
    }
}

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        return matcher( elem, context, xml )
    }, matcher[0] ) ]
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            indexOf( seed, elem ) : preMap[ j ];
        if ( temp > -1 ) {
            matcherOut.splice( temp, 1 );
        }
    }
}
stability\nsupport.sortStable = expando.split(\"\").sort( sortOrder ).join(\"\") === expando;\n\n// Support: Chrome
14-35+\n// Always assume duplicates if they aren't passed to the comparison function\nsupport.detectDuplicates =
!!hasDuplicate;\n\n// Initialize against the default document\nsetDocument();\n\n// Support: Webkit<537.32 - Safari
6.0.3/Chrome 25 (fixed in Chrome 27)\n// Detached nodes confoundingly follow *each
other*\nsupport.sortDetached = assert(function( el ) {\n\t// Should return 1, but returns 4 (following)\n\treturn
el.compareDocumentPosition( document.createElement(\"fieldset\") ) & 1;\n});\n\n// Support: IE<8\n// Prevent
attribute/property \"interpolation\"\n// https://msdn.microsoft.com/en-us/library/ms536429%28VS.85%29.aspx\nif (
!assert(function( el ) {\n\tel.innerHTML = \"<a href='#'></a>\";\n\treturn el.firstChild.getAttribute(\"href\") ===
\"#\" ;\n}) ) {\n\taddHandle( \"type|href|height|width\", function( elem, name, isXML ) {\n\t\tif ( !isXML )
{\n\t\t\treturn elem.getAttribute( name, name.toLowerCase() === \"type\" ? 1 : 2 );\n\t\t}\n\t});\n}\n\n// Support:
IE<9\n// Use defaultValue in place of getAttribute(\"value\")\nif ( !support.attributes || !assert(function( el )
{\n\tel.innerHTML = \"<input/>\";\n\tel.firstChild.setAttribute( \"value\", \"\" );\n\treturn el.firstChild.getAttribute(
\"value\" ) === \"\";\n}) ) {\n\taddHandle( \"value\", function( elem, name, isXML ) {\n\t\tif ( !isXML &&
elem.nodeName.toLowerCase() === \"input\" ) {\n\t\t\treturn elem.defaultValue;\n\t\t}\n\t});\n}\n\n// Support:
IE<9\n// Use getAttributeNode to fetch booleans when getAttribute lies\nif ( !assert(function( el ) {\n\treturn
el.getAttribute(\"disabled\") == null;\n}) ) {\n\taddHandle( booleans, function( elem, name, isXML ) {\n\t\tvar
val;\n\t\tif ( !isXML ) {\n\t\t\treturn elem[ name ] === true ? name.toLowerCase() :\n\t\t\t\t\t(val =
elem.getAttributeNode( name )) && val.specified ?\n\t\t\t\t\tval.value :\n\t\t\t\tnull;\n\t\t}\n\t});\n}\n\nreturn
Sizzle;\n\n})( window );\n\n\n\njQuery.find = Sizzle;\njQuery.expr = Sizzle.selectors;\n\n//
Deprecated\njQuery.expr[ \":\" ] = jQuery.expr.pseudos;\njQuery.uniqueSort = jQuery.unique =
Sizzle.uniqueSort;\njQuery.text = Sizzle.getText;\njQuery.isXMLDoc = Sizzle.isXML;\njQuery.contains =
Sizzle.contains;\njQuery.escapeSelector = Sizzle.escape;\n\n\n\n\nvar dir = function( elem, dir, until ) {\n\tvar
matched = [],\n\t\ttruncate = until !== undefined;\n\n\twhile ( ( elem = elem[ dir ] ) && elem.nodeType !== 9 )
{\n\t\tif ( elem.nodeType === 1 ) {\n\t\t\tif ( truncate && jQuery( elem ).is( until ) )
{\n\t\t\t\tbreak;\n\t\t\t}\n\t\t\tmatched.push( elem );\n\t\t}\n\t}\n\treturn matched;\n};\n\n\nvar siblings = function( n,
elem ) {\n\tvar matched = [];\n\n\tfor ( ; n; n = n.nextSibling ) {\n\t\tif ( n.nodeType === 1 && n !== elem )
{\n\t\t\tmatched.push( n );\n\t\t}\n\t}\n\n\treturn matched;\n};\n\n\nvar rneedsContext =
jQuery.expr.match.needsContext;\n\n\n\nfunction nodeName( elem, name ) {\n\n return elem.nodeName &&
elem.nodeName.toLowerCase() === name.toLowerCase();\n\n};\nvar rsingleTag = ( /^<([az][^\\/\\0>:\\x20\\t\\r\\n\\f]*)[\\x20\\t\\r\\n\\f]*\\/?>(?:<\\/\\1>|)$/i );\n\n\n\n// Implement the identical functionality for
filter and not\nfunction winnow( elements, qualifier, not ) {\n\tif ( isFunction( qualifier ) ) {\n\t\treturn jQuery.grep(
elements, function( elem, i ) {\n\t\t\treturn !!qualifier.call( elem, i, elem ) !== not;\n\t\t} );\n\t}\n\n\t// Single
element\n\tif ( qualifier.nodeType ) {\n\t\treturn jQuery.grep( elements, function( elem ) {\n\t\t\treturn ( elem ===
qualifier ) !== not;\n\t\t} );\n\t}\n\n\t// Arraylike of elements (jQuery, arguments, Array)\n\tif ( typeof qualifier !==
\"string\" ) {\n\t\treturn jQuery.grep( elements, function( elem ) {\n\t\t\treturn ( indexOf.call( qualifier, elem ) > -1 )
!== not;\n\t\t} );\n\t}\n\n\t// Filtered directly for both simple and complex selectors\n\treturn jQuery.filter( qualifier,
elements, not );\n}\n\njQuery.filter = function( expr, elems, not ) {\n\tvar elem = elems[ 0 ];\n\n\tif ( not ) {\n\t\texpr
= \":not(\" + expr + \")\";\n\t}\n\n\tif ( elems.length === 1 && elem.nodeType === 1 ) {\n\t\treturn
jQuery.find.matchesSelector( elem, expr ) ? [ elem ] : [];\n\t}\n\n\treturn jQuery.find.matches( expr, jQuery.grep(
elems, function( elem ) {\n\t\treturn elem.nodeType === 1;\n\t} ) );\n};\n\njQuery.fn.extend( {\n\tfind: function(
selector ) {\n\t\tvar i, ret,\n\t\t\tlen = this.length,\n\t\t\tself = this;\n\n\t\tif ( typeof selector !== \"string\" )
{\n\t\t\treturn this.pushStack( jQuery( selector ).filter( function() {\n\t\t\t\tfor ( i = 0; i < len; i++ ) {\n\t\t\t\t\tif (
jQuery.contains( self[ i ], this ) ) {\n\t\t\t\t\t\treturn true;\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t} ) );\n\t\t}\n\n\t\tret =
this.pushStack( [] );\n\n\t\tfor ( i = 0; i < len; i++ ) {\n\t\t\tjQuery.find( selector, self[ i ], ret );\n\t\t}\n\n\t\treturn len
> 1 ? jQuery.uniqueSort( ret ) : ret;\n\t},\n\tfilter: function( selector ) {\n\t\treturn this.pushStack( winnow( this,
selector || [], false ) );\n\t},\n\tnot: function( selector ) {\n\t\treturn this.pushStack( winnow( this, selector || [], true )
);\n\t},\n\tis: function( selector ) {\n\t\treturn !!winnow(\n\t\t\tthis,\n\n\t\t\t// If this is a positional/relative selector,
check membership in the returned set\n\t\t\t// so $(\"p:first\").is(\"p:last\") won't return true for a doc with two

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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 1028
If we're done firing for good:

```javascript
if (locked) {

  // Keep an empty list if we have data for future.
  if (!options.memory) {
    memory = false;
  }

  firing = false;

  // Fire
  list[ firingIndex ].apply( memory[0], memory[1] ) === false

  while ( ++firingIndex < list.length ) {

    // Run callback and check for early termination.
    fired = firing = true;
    for ( ; queue.length; firingIndex = -1 ) {

      memory = false;
    }

    // Remove duplicates.
  }

  return jQuery.merge( [], memory );
}
```

We can treat the template element as a regular one in browsers that:

```javascript
// Don't support it.
if (nodeName(e, "template") || jQuery.nodeName(e, "iframe") || e.nodeName !== 11) {

  return e.contentDocument;
}
```

## jQuery.fn**[name]** Methods

### #addBack( selector )

Add the elements matching **selector** to the end of the list of elements matched by this selector.

```javascript
addBack( selector )
```

Add the elements matching **selector** to the end of the list of elements matched by this selector.

```javascript
add( selector, context )
```

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```javascript
add( selector, context )
```
function() {
  return value;
} else if (isPromise(value)) {
  return value.then((value) => {
    deferWith(value)
  }, (error) => {
    deferWith(error)
  });
} else {
  deferWith(value);
}

return deferred.promise();
false rejection from\n\t\t\t\t\t\t\t// subsequent errors\n\t\t\t\t\t\t\tif ( depth ) {\n\t\t\t\t\t\t\t\tprocess();\n\t\t\t\t\t\t\t} else
{\n\n\t\t\t\t\t\t\t\t// Call an optional hook to record the stack, in case of exception\n\t\t\t\t\t\t\t\t// since it's otherwise
lost when execution goes async\n\t\t\t\t\t\t\t\tif ( jQuery.Deferred.getStackHook ) {\n\t\t\t\t\t\t\t\t\tprocess.stackTrace
= jQuery.Deferred.getStackHook();\n\t\t\t\t\t\t\t\t}\n\t\t\t\t\t\t\t\twindow.setTimeout( process
);\n\t\t\t\t\t\t\t}\n\t\t\t\t\t\t};\n\t\t\t\t\t}\n\n\t\t\t\t\treturn jQuery.Deferred( function( newDefer ) {\n\n\t\t\t\t\t\t//
progress_handlers.add( ... )\n\t\t\t\t\t\ttuples[ 0 ][ 3
].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction( onProgress )
?\n\t\t\t\t\t\t\t\t\tonProgress
:\n\t\t\t\t\t\t\t\t\tIdentity,\n\t\t\t\t\t\t\t\tnewDefer.notifyWith\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\n\t\t\t\t\t\t//
fulfilled_handlers.add( ... )\n\t\t\t\t\t\ttuples[ 1 ][ 3
].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction( onFulfilled )
?\n\t\t\t\t\t\t\t\t\tonFulfilled :\n\t\t\t\t\t\t\t\t\tIdentity\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\n\t\t\t\t\t\t// rejected_handlers.add( ...
)\n\t\t\t\t\t\ttuples[ 2 ][ 3 ].add(\n\t\t\t\t\t\t\tresolve(\n\t\t\t\t\t\t\t\t0,\n\t\t\t\t\t\t\t\tnewDefer,\n\t\t\t\t\t\t\t\tisFunction(
onRejected ) ?\n\t\t\t\t\t\t\t\t\tonRejected :\n\t\t\t\t\t\t\t\t\tThrower\n\t\t\t\t\t\t\t)\n\t\t\t\t\t\t);\n\t\t\t\t\t}
).promise();\n\t\t\t\t},\n\n\t\t\t\t// Get a promise for this deferred\n\t\t\t\t// If obj is provided, the promise aspect is
added to the object\n\t\t\t\tpromise: function( obj ) {\n\t\t\t\t\treturn obj != null ? jQuery.extend( obj, promise ) :
promise;\n\t\t\t\t}\n\t\t\t},\n\t\t\tdeferred = {};\n\n\t\t// Add list-specific methods\n\t\tjQuery.each( tuples, function( i,
tuple ) {\n\t\t\tvar list = tuple[ 2 ],\n\t\t\t\tstateString = tuple[ 5 ];\n\n\t\t\t// promise.progress = list.add\n\t\t\t//
promise.done = list.add\n\t\t\t// promise.fail = list.add\n\t\t\tpromise[ tuple[ 1 ] ] = list.add;\n\n\t\t\t// Handle
state\n\t\t\tif ( stateString ) {\n\t\t\t\tlist.add(\n\t\t\t\t\tfunction() {\n\n\t\t\t\t\t\t// state = \"resolved\" (i.e.,
fulfilled)\n\t\t\t\t\t\t// state = \"rejected\"\n\t\t\t\t\t\tstate = stateString;\n\t\t\t\t\t},\n\n\t\t\t\t\t//
rejected_callbacks.disable\n\t\t\t\t\t// fulfilled_callbacks.disable\n\t\t\t\t\ttuples[ 3 - i ][ 2 ].disable,\n\n\t\t\t\t\t//
rejected_handlers.disable\n\t\t\t\t\t// fulfilled_handlers.disable\n\t\t\t\t\ttuples[ 3 - i ][ 3 ].disable,\n\n\t\t\t\t\t//
progress_callbacks.lock\n\t\t\t\t\ttuples[ 0 ][ 2 ].lock,\n\n\t\t\t\t\t// progress_handlers.lock\n\t\t\t\t\ttuples[ 0 ][ 3
].lock\n\t\t\t\t);\n\t\t\t}\n\n\t\t\t// progress_handlers.fire\n\t\t\t// fulfilled_handlers.fire\n\t\t\t//
rejected_handlers.fire\n\t\t\tlist.add( tuple[ 3 ].fire );\n\n\t\t\t// deferred.notify = function() { deferred.notifyWith(...)
}\n\t\t\t// deferred.resolve = function() { deferred.resolveWith(...) }\n\t\t\t// deferred.reject = function() {
deferred.rejectWith(...) }\n\t\t\tdeferred[ tuple[ 0 ] ] = function() {\n\t\t\t\tdeferred[ tuple[ 0 ] + \"With\" ]( this ===
deferred ? undefined : this, arguments );\n\t\t\t\treturn this;\n\t\t\t};\n\n\t\t\t// deferred.notifyWith =
list.fireWith\n\t\t\t// deferred.resolveWith = list.fireWith\n\t\t\t// deferred.rejectWith = list.fireWith\n\t\t\tdeferred[
tuple[ 0 ] + \"With\" ] = list.fireWith;\n\t\t} );\n\n\t\t// Make the deferred a promise\n\t\tpromise.promise( deferred
);\n\n\t\t// Call given func if any\n\t\tif ( func ) {\n\t\t\tfunc.call( deferred, deferred );\n\t\t}\n\n\t\t// All
done!\n\t\treturn deferred;\n\t},\n\n\t// Deferred helper\n\twhen: function( singleValue ) {\n\t\tvar\n\n\t\t\t// count of
uncompleted subordinates\n\t\t\tremaining = arguments.length,\n\n\t\t\t// count of unprocessed arguments\n\t\t\ti =
remaining,\n\n\t\t\t// subordinate fulfillment data\n\t\t\tresolveContexts = Array( i ),\n\t\t\tresolveValues = slice.call(
arguments ),\n\n\t\t\t// the master Deferred\n\t\t\tmaster = jQuery.Deferred(),\n\n\t\t\t// subordinate callback
factory\n\t\t\tupdateFunc = function( i ) {\n\t\t\t\treturn function( value ) {\n\t\t\t\t\tresolveContexts[ i ] =
this;\n\t\t\t\t\tresolveValues[ i ] = arguments.length > 1 ? slice.call( arguments ) : value;\n\t\t\t\t\tif ( !( --remaining ) )
{\n\t\t\t\t\t\tmaster.resolveWith( resolveContexts, resolveValues );\n\t\t\t\t\t}\n\t\t\t\t};\n\t\t\t};\n\n\t\t// Single- and
empty arguments are adopted like Promise.resolve\n\t\tif ( remaining <= 1 ) {\n\t\t\tadoptValue( singleValue,
master.done( updateFunc( i ) ).resolve, master.reject,\n\t\t\t\t!remaining );\n\n\t\t\t// Use .then() to unwrap secondary
thenables (cf. gh-3000)\n\t\t\tif ( master.state() === \"pending\" ||\n\t\t\t\tisFunction( resolveValues[ i ] &&
resolveValues[ i ].then ) ) {\n\n\t\t\t\treturn master.then();\n\t\t\t}\n\t\t}\n\n\t\t// Multiple arguments are aggregated
like Promise.all array elements\n\t\twhile ( i-- ) {\n\t\t\tadoptValue( resolveValues[ i ], updateFunc( i ), master.reject
);\n\t\t}\n\n\t\treturn master.promise();\n\t}\n} );\n\n\n// These usually indicate a programmer mistake during
development,\n// warn about them ASAP rather than swallowing them by default.\nvar rerrorNames =
/^(Eval|Internal|Range|Reference|Syntax|Type|URI)Error$/;\n\njQuery.Deferred.exceptionHook = function( error,
stack ) {\n\n\t// Support: IE 8 - 9 only\n\t// Console exists when dev tools are open, which can happen at any

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function dataAttr( elem, key, data ) {
    var name;

    // If nothing was found internally, try to fetch
    // data from the HTML5 data-* attribute
    if ( data === undefined && elem.nodeType === 1 ) {
        name = key;
        data = elem.getAttribute( name );

        if ( typeof data === "string" ) {
            data = elem.getAttribute( "data-
	// The entire cache object: data
	get: function( owner, key ) {
		return undefined;
		// Since the "set" path can have two possible entry points
		return the expected data based on which path was taken[*]
		return value !== undefined ? value :
		// When the key is not a string, or both a key and value are
		// specified, but no value provided
		return the expected data based on which path was taken[*]
		// Take the "read" path and allow the get method to determine
		// which value to return, respectively either:
		//
		//   1. The entire cache object: data
		//   2. A key and value
		// Always use camelCase key (gh-2257):\n		// Handle: [ owner, key, value ] args
		// Always use camelCase key (gh-2257):\n		\n		// Webkit & Blink performance suffers when deleting properties
		// from DOM nodes, so set to undefined instead
		// https://bugs.chromium.org/p/chromium/issues/detail?id=378607 (bug restricted)

		// Always use camelCase keys, so remove that.
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```
let item = { special.postDispatch: function( event ) {
  if ( special.postDispatch && special.postDispatch.call( this, event ) === false ) {
    return event.result;
  }

  // Call the postDispatch hook for the mapped type
  if ( special.postDispatch ) {
    event.preventDefault();
    event.stopPropagation();
  }

  // Determine handlers
  handlerQueue = jQuery.event.handlers.call( this, event, arguments );

  // Run delegates first; they may want to stop propagation beneath us
  i = 0;
  while ( ( handleObj = handlerQueue[ i++ ] ) && !event.isPropagationStopped() ) {
    event.currentTarget = matched.elem;
    event.delegateTarget = this;
    args[ 0 ] = event;
    for ( i = 1; i < arguments.length; i++ ) {
      args[ i ] = arguments[ i ];
    }
    special.delegateType : special.bindType &&
    for ( t = types.length; t-- ) {
      if ( origType === handleObj.origType ) ;
      && matched.events[ t ] ) ||
      if ( ( mappedTypes || origType === handleObj.origType ) &&
      ( !handler || handler.guid === handleObj.guid ) ) {
        handlers.splice( j, 1, handleObj );
      } else {
        handlers.push( handleObj );
      }

      // Keep track of which events have ever been used, for event optimization
      jQuery.event.global[ type ] = true;
      jQuery.event.special[ type ] = {
        remove: function( elem, types, handler, selector, mappedTypes ) {
          var j, origCount, tmp, namespaces, event, type, elemData, timerExpando = dataPriv.hasData( elem ) &
          && namespaces.join( "\\.", namespaces ) ) ;
          if ( jQuery.event.special[ type ] ||
          && namespaces.length ) ;
          if ( event ) {
            if ( !event.handleObj ) ;
            if ( typeof event.handleObj.selector === "**" &&
            if ( event.handleObj.selector ) {
              handlers.delegateCount--;
            } else {
              handlers.push( handleObj );
            }

            // Add to the element's handler list, delegates in front
            if ( selector ) {
              handlers.splice( handlers.delegateCount++, 0,
            } else {
              handlers.push( handleObj );
            }

            // Keep track of which events have ever been used, for event optimization
            jQuery.event.global[ type ] = true;
            jQuery.event.special[ type ] = {
              remove: function( elem, types, handler, selector, mappedTypes ) {
                var j, origCount, tmp, namespaces, event, type, elemData, timerExpando = dataPriv.hasData( elem ) &
                && namespaces.join( "\\.", namespaces ) ) ;
                if ( jQuery.event.special[ type ] ||
                && namespaces.length ) ;
                if ( event ) {
                  if ( !event.handleObj ) ;
                  if ( typeof event.handleObj.selector === "**" &&
                  if ( event.handleObj.selector ) {
                    handlers.delegateCount--;
                  } else {
                    handlers.push( handleObj );
                  }

                  // Keep track of which events have ever been used, for event optimization
                  jQuery.event.global[ type ] = true;
                  jQuery.event.special[ type ] = {
                    remove: function( elem, types, handler, selector, mappedTypes ) {
                      var j, origCount, tmp, namespaces, event, type, elemData, timerExpando = dataPriv.hasData( elem ) &
                      && namespaces.join( "\\.", namespaces ) ) ;
                      if ( jQuery.event.special[ type ] ||
                      && namespaces.length ) ;
                      if ( event ) {
                        if ( !event.handleObj ) ;
                        if ( typeof event.handleObj.selector === "**" &&
                        if ( event.handleObj.selector ) {
                          handlers.delegateCount--;
                        } else {
                          handlers.push( handleObj );
                        }
                    }
                }
```

This text is incomplete and appears to be a part of a larger script or code block. It seems to be related to event handling in a JavaScript context, possibly for a document or application. The text contains a mix of JavaScript code and natural language, indicating a focus on event management and optimization.
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document.getElementById('delegateCount').addEventListener('click', event => {
  // Assuming this is a jQuery event handling code snippet
  if (event.type === 'click' && event.button === 0) {
    // Assuming 'this' refers to the element that received the click event
    // Additional code implementation
  }
});

// Assuming this is the jQuery context
jQuery(document).ready(function() {
  // Assuming 'this' refers to the page or a script context
  // Additional code implementation
});

// Assuming this is a plain object context
var myObject = {
  // Object properties
};

// Assuming this is a function context
function exampleFunction() {
  // Function implementation
  return true;
}

// Assuming this is a class context
class MyClass {
  // Class properties and methods
}

// Assuming this is an anonymous function context
(function() {
  // Function implementation
}());

// Assuming this is a string context
var myString = "Hello, World!";

// Assuming this is a null context
null;

// Assuming this is an undefined context
undefined;

// Assuming this is a boolean context
true;

// Assuming this is an integer context
123;

// Assuming this is a float context
123.456;

// Assuming this is an array context
["item1", "item2", "item3"];

// Assuming this is an object context
{ prop1: "value1", prop2: "value2" };

// Assuming this is a regular expression context
/(pattern)/;

// Assuming this is a symbol context
Symbol("mySymbol");

// Assuming this is an image context
<img src="image.png"/>;

// Assuming this is a video context
<video src="video.mp4"/>;

// Assuming this is a script context
<script src="script.js"></script>.

// Assuming this is a style context
<style>body { background-color: #f0f0f0; }</style>;

// Assuming this is a section context
<section>
  // Section content
</section>.

// Assuming this is a table context
<table>
  <tr><td>Cell1</td><td>Cell2</td></tr>
</table>.

// Assuming this is a form context
<form>
  // Form elements
</form>.

// Assuming this is a canvas context
<canvas width="500" height="500"></canvas>.

// Assuming this is a dialog context
<dialog>
  // Dialog content
</dialog>.

// Assuming this is a print context
print();

// Assuming this is a web socket context
websocket();

// Assuming this is a worker context
worker();

// Assuming this is a service worker context
serviceworker();

// Assuming this is an event context
event();

// Assuming this is a function call context
exampleFunction();

// Assuming this is an object initialization context
var myObject = { prop1: "value1", prop2: "value2" };

// Assuming this is a class initialization context
var myClass = new MyClass();

// Assuming this is a custom element context
<custom-element> <!-- Element content --></custom-element>.

// Assuming this is a service worker context
serviceWorker();

// Assuming this is a navigation context
window.history.pushState({}, "", "/path/to/destination/");

// Assuming this is a resource context
resource();

// Assuming this is a document context
document.getElementById('myElement').textContent = "Value";

// Assuming this is a window context
window.location.href = "https://example.com";

// Assuming this is a navigator context
navigator.userAgent;

// Assuming this is a location context
location.href;

// Assuming this is a canvas context
canvas.getContext('2d');

// Assuming this is a dom context
document.querySelector('body > section').innerHTML = "New Content";

// Assuming this is a media context
sounds.play();

// Assuming this is a data context
dataURI = "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAA...";

// Assuming this is a resource context
new XMLHttpRequest().open("GET", "https://example.com/data.png");

// Assuming this is a form context
form.submit();

// Assuming this is a form context
form.onsubmit = function(event) {
  event.preventDefault();
  return true;
}

// Assuming this is a dialog context
dialog.showModal();

// Assuming this is a worker context
worker.postMessage("Message");

// Assuming this is a service worker context
serviceWorker.addEventListener("controllerchange", event => {...

// Assuming this is a user media context
navigator.mediaDevices.getUserMedia({video: true, audio: true});

// Assuming this is a service worker context
serviceWorker.addEventListener("updatefound", event => {...

// Assuming this is a service worker context
serviceWorker.addEventListener("oncmessage", event => {...

// Assuming this is a worker context
worker.onmessage = function(event) {
  // Worker event handler
};
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elem.nodeType === 1 ) {\n\t\t\t\treturn elem.innerHTML; \n\t\t\t\t// See if we can take a shortcut and just use \n\t\t\t\tinnerHTML\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t...
var ret = jQuery.style( elem, name || name );

// A tribute to the awesome hack by Dean Edwards
define( hookFn ) { return {
	get: function( ) {
		if ( conditionFn( ) ) {
			return ( this.get = hookFn ).apply( this, arguments );
		}
			return;
		}


function addGetHookIf( conditionFn, hookFn ) {

	// Define a hook that we can use to enable or disable the get
data property...
null; Account for positive content-box scroll gutter when requested by computedValue( ( !supportsBox && computedVal <= 0 ) ) { return offsetWidth; offsetHeight is a rounded sum of content, padding, scroll gutter, and border;

```

```

```
```
```
```
```
```
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```javascript

				
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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```
function easing = value[0];
value = props[index] = value[0];

if (index !== name) {
    props[index);

    easing = specialEasing[name];
    value = props[index];
    if (Array.isArray(value))

    for (index in props) {
        name = camelCase(prop);
        propTween.start = propTween.start;
        if (hidden) {
            propTween.end = propTween.start;
            propTween.start = createTween(hidden ? dataShow[prop] : 0, prop, anim);
        }

        // Per-property setup
        propTween = !jQuery.isEmptyObject(props);
        if (!propTween && jQuery.isEmptyObject(orig))
            prop = dataShow && dataShow[prop] || jQuery.style(elem, prop);

        // Bail out if this is a no-op like .hide().hide();
        if (value === "show" && dataShow && dataShow[prop] !== undefined) {
            hidden = dataShow.hidden;
        }

        // Pretend to be hidden if this is a "show" and there is still data from a stopped show/hide animation (value === "show" && dataShow && dataShow[prop] !== undefined) {
            true;
            // Ignore all other no-op show/hide data
            else {
                continue;
            }

        // Get nonempty value(s) by temporarily forcing display
        getNonemptyValue(s) by temporarily forcing display
        if (value === "show") {
        
            // Pretend to be hidden if this is a "show" and
            // there is still data from a stopped show/hide animation
            (value === "show" && dataShow && dataShow[prop] !== undefined) {
                hidden = dataShow.hidden;
            }

            // Bail out if this is a no-op like .hide().hide();
            if (value === "show" && dataShow && dataShow[prop] !== undefined) {
                hidden = dataShow.hidden;
            }

            // Get nonempty value(s) by temporarily forcing display
            getNonemptyValue(s) by temporarily forcing display
        
            // Bail out if this is a no-op like .hide().hide();
            if (value === "show") {
            
        // Pretend to be hidden if this is a "show" and
        // there is still data from a stopped show/hide animation
        (value === "show" && dataShow && dataShow[prop] !== undefined) {
            hidden = dataShow.hidden;
        }

    // Bail out if this is a no-op like .hide().hide();
    if (value === "show") {
        
    // Pretend to be hidden if this is a "show" and
    // there is still data from a stopped show/hide animation
    (value === "show" && dataShow && dataShow[prop] !== undefined) {
        hidden = dataShow.hidden;
    }
```
Run the timer and safely remove it when done (allowing for external removal)

```javascript
// Run the timer and safely remove it when done (allowing for external removal)
if (timer() && timers[i] === timer) {
  timers.splice(i, 1);
}
```

```javascript
if (!timers.length) {
  jQuery.fx.stop();
}
```

```javascript
jQuery.fx.timer = function(timer) {
  jQuery.timers.push(timer);
  jQuery.fx.start();
}
```

```javascript
jQuery.fx.interval = 13;
jQuery.fx.start = function() {
  if (inProgress) {
    return;
  }

  inProgress = true;
  schedule();
}
```

```javascript
jQuery.fx.stop = function() {
  inProgress = null;
};
```

```javascript
jQuery.fx.speeds = {
  slow: 600,
  fast: 200,
  _default: 400
};
```

```javascript
jQuery.fn.extend({
  attr: function(name, value) {
    return access(this, jQuery.attr, name, value, arguments.length > 1);
  },

 removeAttr: function(name) {
    return this.each(function() {
      jQuery.removeAttr(this, name);
    });
  }
});
```

```javascript
jQuery.extend({
  attr: function(elem, name, value) {
    var ret, hooks,
    nType = elem.nodeType;

    // Don't get/set attributes on text, comment and attribute
    // nodes
    if (nType === 3 || nType === 8 || nType === 2) {
      return;
    }

    // Fallback to prop when attributes are not supported
    if (typeof elem.getAttribute === "undefined") {
      return jQuery.prop(elem, name, value);
    }

    // Attribute hooks are determined by the lowercase version
    // Grab necessary hook if one is defined
    if (nType !== 1 || !jQuery.isXMLDoc(elem)) {
      hooks = jQuery.attrHooks[name.toLowerCase()] || (jQuery.expr.match.bool.test(name) ? boolHook : undefined);
    }

    if (value !== undefined) {
      if (value === null) {
        jQuery.removeAttr(elem, name);
        return;
      }

      if ("set" in hooks && (ret = hooks.set(elem, value, name)) !== undefined) {
        return ret;
      }

      elem.setAttribute(name, value + "");
      return value;
    }

    if ("get" in hooks && (ret = hooks.get(elem, name)) !== null) {
      return ret;
    }

    ret = jQuery.find.attr(elem, name);

    // Non-existent attributes return null, we normalize to undefined
    if (ret === null) {
      return undefined;
    }

    return function() {
      jQuery.removeAttr(elem, name);
    }
  },

  attrHooks: {
    type: {
      set: function(elem, value, name) {
        if (value === "radio") {
          jQuery.removeAttr(elem, name);
          elem.setAttribute(name, name);
        }
      }
    }
  }
});
```

```javascript
var boolHook = {
  set: function(elem, value, name) {
    if (value === false) {
      jQuery.removeAttr(elem, name);
    } else {
      elem.setAttribute(name, name);
    }
  }
};
```

```javascript
jQuery.each(jQuery.expr.match.bool.source.match(/\w+/g), function(i, name) {
  var getter = attrHandle[name] || jQuery.find.attr;

  attrHandle[name] = function(elem) {
    return getter(elem, name, isXML) || (typeof elem.getAttribute === "undefined") || elem.nodeType !== 1 ? null : getter(elem, name, isXML); // Avoid an infinite loop by temporarily removing this function from the gett
  }
});
```

```javascript
var rfocusable = /
```
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```javascript
// This expression is here for better compressibility (see
```

```javascript
// Only assign if different to avoid unneeded
```
addClass)\n\t\t\t\tcur = elem.nodeType === 1 && ( \" \" + stripAndCollapse( curValue ) + \" \" );\n\n\t\t\t\tif ( cur )
{\n\t\t\t\t\tj = 0;\n\t\t\t\t\twhile ( ( clazz = classes[ j++ ] ) ) {\n\n\t\t\t\t\t\t// Remove *all* instances\n\t\t\t\t\t\twhile (
cur.indexOf( \" \" + clazz + \" \" ) > -1 ) {\n\t\t\t\t\t\t\tcur = cur.replace( \" \" + clazz + \" \", \" \"
);\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\n\t\t\t\t\t// Only assign if different to avoid unneeded rendering.\n\t\t\t\t\tfinalValue =
stripAndCollapse( cur );\n\t\t\t\t\tif ( curValue !== finalValue ) {\n\t\t\t\t\t\telem.setAttribute( \"class\", finalValue
);\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\n\t\treturn this;\n\t},\n\n\ttoggleClass: function( value, stateVal ) {\n\t\tvar type
= typeof value,\n\t\t\tisValidValue = type === \"string\" || Array.isArray( value );\n\n\t\tif ( typeof stateVal ===
\"boolean\" && isValidValue ) {\n\t\t\treturn stateVal ? this.addClass( value ) : this.removeClass( value
);\n\t\t}\n\n\t\tif ( isFunction( value ) ) {\n\t\t\treturn this.each( function( i ) {\n\t\t\t\tjQuery( this
).toggleClass(\n\t\t\t\t\tvalue.call( this, i, getClass( this ), stateVal ),\n\t\t\t\t\tstateVal\n\t\t\t\t);\n\t\t\t}
);\n\t\t}\n\n\t\treturn this.each( function() {\n\t\t\tvar className, i, self, classNames;\n\n\t\t\tif ( isValidValue )
{\n\n\t\t\t\t// Toggle individual class names\n\t\t\t\ti = 0;\n\t\t\t\tself = jQuery( this );\n\t\t\t\tclassNames =
classesToArray( value );\n\n\t\t\t\twhile ( ( className = classNames[ i++ ] ) ) {\n\n\t\t\t\t\t// Check each className
given, space separated list\n\t\t\t\t\tif ( self.hasClass( className ) ) {\n\t\t\t\t\t\tself.removeClass( className
);\n\t\t\t\t\t} else {\n\t\t\t\t\t\tself.addClass( className );\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t// Toggle whole class
name\n\t\t\t} else if ( value === undefined || type === \"boolean\" ) {\n\t\t\t\tclassName = getClass( this );\n\t\t\t\tif (
className ) {\n\n\t\t\t\t\t// Store className if set\n\t\t\t\t\tdataPriv.set( this, \"__className__\", className
);\n\t\t\t\t}\n\n\t\t\t\t// If the element has a class name or if we're passed `false`,\n\t\t\t\t// then remove the whole
classname (if there was one, the above saved it).\n\t\t\t\t// Otherwise bring back whatever was previously saved (if
anything),\n\t\t\t\t// falling back to the empty string if nothing was stored.\n\t\t\t\tif ( this.setAttribute )
{\n\t\t\t\t\tthis.setAttribute( \"class\",\n\t\t\t\t\t\tclassName || value === false ?\n\t\t\t\t\t\t\"\" :\n\t\t\t\t\t\tdataPriv.get(
this, \"__className__\" ) || \"\"\n\t\t\t\t\t);\n\t\t\t\t}\n\t\t\t}\n\t\t} );\n\t},\n\n\thasClass: function( selector ) {\n\t\tvar
className, elem,\n\t\t\ti = 0;\n\n\t\tclassName = \" \" + selector + \" \";\n\t\twhile ( ( elem = this[ i++ ] ) ) {\n\t\t\tif (
elem.nodeType === 1 &&\n\t\t\t\t( \" \" + stripAndCollapse( getClass( elem ) ) + \" \" ).indexOf( className ) > -1 )
{\n\t\t\t\t\treturn true;\n\t\t\t}\n\t\t}\n\n\t\treturn false;\n\t}\n} );\n\n\n\n\nvar rreturn = /\\r/g;\n\njQuery.fn.extend(
{\n\tval: function( value ) {\n\t\tvar hooks, ret, valueIsFunction,\n\t\t\telem = this[ 0 ];\n\n\t\tif ( !arguments.length )
{\n\t\t\tif ( elem ) {\n\t\t\t\thooks = jQuery.valHooks[ elem.type ] ||\n\t\t\t\t\tjQuery.valHooks[
elem.nodeName.toLowerCase() ];\n\n\t\t\t\tif ( hooks &&\n\t\t\t\t\t\"get\" in hooks &&\n\t\t\t\t\t( ret = hooks.get(
elem, \"value\" ) ) !== undefined\n\t\t\t\t) {\n\t\t\t\t\treturn ret;\n\t\t\t\t}\n\n\t\t\t\tret = elem.value;\n\n\t\t\t\t// Handle
most common string cases\n\t\t\t\tif ( typeof ret === \"string\" ) {\n\t\t\t\t\treturn ret.replace( rreturn, \"\"
);\n\t\t\t\t}\n\n\t\t\t\t// Handle cases where value is null/undef or number\n\t\t\t\treturn ret == null ? \"\" :
ret;\n\t\t\t}\n\n\t\t\treturn;\n\t\t}\n\n\t\tvalueIsFunction = isFunction( value );\n\n\t\treturn this.each( function( i )
{\n\t\t\tvar val;\n\n\t\t\tif ( this.nodeType !== 1 ) {\n\t\t\t\treturn;\n\t\t\t}\n\n\t\t\tif ( valueIsFunction ) {\n\t\t\t\tval =
value.call( this, i, jQuery( this ).val() );\n\t\t\t} else {\n\t\t\t\tval = value;\n\t\t\t}\n\n\t\t\t// Treat null/undefined as
\"\"; convert numbers to string\n\t\t\tif ( val == null ) {\n\t\t\t\tval = \"\";\n\n\t\t\t} else if ( typeof val === \"number\"
) {\n\t\t\t\tval += \"\";\n\n\t\t\t} else if ( Array.isArray( val ) ) {\n\t\t\t\tval = jQuery.map( val, function( value )
{\n\t\t\t\t\treturn value == null ? \"\" : value + \"\";\n\t\t\t\t} );\n\t\t\t}\n\n\t\t\thooks = jQuery.valHooks[ this.type ] ||
jQuery.valHooks[ this.nodeName.toLowerCase() ];\n\n\t\t\t// If set returns undefined, fall back to normal
setting\n\t\t\tif ( !hooks || !( \"set\" in hooks ) || hooks.set( this, val, \"value\" ) === undefined ) {\n\t\t\t\tthis.value =
val;\n\t\t\t}\n\t\t} );\n\t}\n} );\n\njQuery.extend( {\n\tvalHooks: {\n\t\toption: {\n\t\t\tget: function( elem )
{\n\n\t\t\t\tvar val = jQuery.find.attr( elem, \"value\" );\n\t\t\t\treturn val != null ?\n\t\t\t\t\tval :\n\n\t\t\t\t\t// Support:
IE <=10 - 11 only\n\t\t\t\t\t// option.text throws exceptions (#14686, #14858)\n\t\t\t\t\t// Strip and collapse
whitespace\n\t\t\t\t\t// https://html.spec.whatwg.org/#strip-and-collapse-whitespace\n\t\t\t\t\tstripAndCollapse(
jQuery.text( elem ) );\n\t\t\t}\n\t\t},\n\t\tselect: {\n\t\t\tget: function( elem ) {\n\t\t\t\tvar value, option,
i,\n\t\t\t\t\toptions = elem.options,\n\t\t\t\t\tindex = elem.selectedIndex,\n\t\t\t\t\tone = elem.type === \"selectone\",\n\t\t\t\t\tvalues = one ? null : [],\n\t\t\t\t\tmax = one ? index + 1 : options.length;\n\n\t\t\t\tif ( index < 0 )
{\n\t\t\t\t\ti = max;\n\n\t\t\t\t} else {\n\t\t\t\t\ti = one ? index : 0;\n\t\t\t\t}\n\n\t\t\t\t// Loop through all the selected
options\n\t\t\t\tfor ( ; i < max; i++ ) {\n\t\t\t\t\toption = options[ i ];\n\n\t\t\t\t\t// Support: IE <=9 only\n\t\t\t\t\t// IE8-

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9 doesn't update selected after form reset (#2551)*/


```


```
handle.apply( cur, data );

if ( event.result == false ) {
    return event.result;
}

// Piggyback on a donor event to simulate a
different one
// Used only for 'focus(in | out)' events
// #6170
// Don't re-trigger an onFOO event when we call its FOO() method
// (tmp) (new JQuery.Event(), ontype = null);
// Prevent re-triggering of the same
event, since we already bubbled it above

// Focus
// Attach a single capturing handler on the document
while someone wants focusin/focusout
var handler = function( event ) {
    JQuery.event.simulate( fix, event.target, jQuery.event.fix( event ) );
};

jQuery.event.special[ fix ] = {
    setup: function() {
        var doc = this.ownerDocument || this,
            attaches = dataPriv.access( doc, fix );

        if ( !attaches ) {
            doc.addEventListener( orig, handler, true );
            dataPriv.access( doc, fix, ( attaches || 0 ) + 1 );
        } else {
            dataPriv.access( doc, fix, ( attaches - 1 ) );
        }
    },
    teardown: function() {
        var doc = this.ownerDocument || this,
            attaches = dataPriv.access( doc, fix ) - 1;

        if ( !attaches ) {
            doc.removeEventListener( orig, handler, true );
            dataPriv.remove( doc, fix);
        } else {
            dataPriv.access( doc, fix, ( attaches ) );
        }
    }
};

// Support: Firefox <=44
// Firefox doesn't have
// focus(in | out) events fire after focus & blur events,
// which is spec violation - http://www.w3.org/TR/DOM-Level-3-Events/#events-focusevent-event-order
if ( !support.focusin ) {
    jQuery.each( { focus: "focusin", blur: "focusout" }, function( orig, fix ) {
        jQuery.event.special[ fix ] = {
            setup: function() {
                this.origData = jQuery.event.fix( this );
            },
            trigger: function() {
                jQuery.event.trigger( this.origData );
            },
            default: function() {
                jQuery.event.defaultPreventDefault();
            }
        }
    });
}

// Cross-browser xml parsing
jQuery.parseXML = function( data ) {
    var xml;
    if ( !data || typeof data !== "string" ) {
        return null;
    }

    // Firefox throws on parseFromString with
    // invalid input.
    try {
        xml = ( new window.DOMParser() ).parseFromString( data, "text/xml" );
    } catch ( e ) {
        xml = undefined;
    }

    if ( !xml || xml.getElementsByTagName( "parsererror" ).length ) {
        jQuery.error( "Invalid XML: " + data );
    }
    return xml;
};

// Cross-browser xml parsing
jQuery.parseXML = function( data ) {
    var xml;
    if ( !data || typeof data !== "string" ) {
        return null;
    }

    // Firefox throws on parseFromString with
    // invalid input.
    try {
        xml = ( new window.DOMParser() ).parseFromString( data, "text/xml" );
    } catch ( e ) {
        xml = undefined;
    }

    return xml;
};
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We also use the url parameter if available. In this case, the url parameter is processed first.

We then check if the response is json, then we parse it and use the $.getJSON method to process the data. If the response is xml, we use the $.getXML method to process the data. If the response is not json or xml, we return the response as text.

If the response contains any errors, we throw an error with the appropriate message. Otherwise, we return the response data.
if ( xhr.readyState === 4 ) {
    // Allow onerror to be called first, but that
    if ( xhr.onabort !== undefined ) {
        xhr.onabort = errorCallback;
    } else {
        xhr.onreadystatechange = function() {
            // Check readyState before timeout as it
            xhr.onload = callback();
            errorCallback = xhr.onerror = xhr.ontimeout = callback(
                xhr.getAllResponseHeaders() );
        };
    }
}

// Support: IE <=9 only
// Use onreadystatechange to replace onabort
// to handle
Listen to events
xhr.onload = callback();
xhr.onerror = xhr.onerror = xhr.ontimeout = callback(
    "error" );

// Set headers for ( i in headers ) {
    xhr.setRequestHeader( i, headers[ i ] );
} // Set headers/support(... & !options.crossDomain ) {
xhr.open( options.type, options.url, options.async, options.u
sername, options.password, options. withCredentials );
// On a manual native abort, IE9 throws
xhr.abort();
else if ( type === "error" ) {
    Support: IE <=9
    only
    On a manual native abort, IE9 throws
errors on any property access that is not
readyState
    ( typeof xhr.status !== "number" ) {
        xhr.onload = callback();
        xhr.onerror = xhr.ontimeout == 
null;
    } else {
        xhr.onload ...

    }
// Support: IE <=9 only
// Use onreadystatechange to replace onabort
xhr.onload = callback();
xhr.onerror = xhr.onerror = xhr.ontimeout = callback(
    "error" );

will not handle a native abort
Create the abort callback
Do send the request (this may raise an exception)
window.setTimeout( function( s ) {\n\t\ts.crossDomain = false;'
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1065
via a proper concatenation script that `\n` understands anonymous AMD modules. A named AMD is safest and most robust\nvia a proper concatenation script that `\n` understands anonymous AMD modules. A named AMD is safest and most robust
rather than require them every time. Lowercase jQuery is used because AMD module names are derived from file names,
and jQuery is normally delivered in a lowercase `\n` file name. Do this after creating the global so that if an AMD
module wants `\n` to call noConflict to hide this version of jQuery, it will work. `\n` Note that for maximum
portability, libraries that are not jQuery should declare themselves as anonymous modules, and avoid setting a
global if an `\n` AMD loader is present. jQuery is a special case. For more information, see `\n`
https://github.com/jrburke/requirejs/wiki/Updating-existing-libraries#wiki-anon

```javascript
if (typeof define === 'function' && define.amd) {
    define( 'jquery', [], function() {
        var map = {
            './en.json': 'e847'
        }
        function webpackContext(req) {
            var id = webpackContextResolve(req);
            return __webpack_require__(id);
        }
        function webpackContextResolve(req) {
            var id = map[req];
            if(!id + 1) { // check for number or string
                var e = new Error("Cannot find module '" + req + '" + req + '@\n');
                try {
                    return webpackContext(__webpack_require__); // return
                } catch (e) { /* empty */ }
            }
            return id;
        }
        webpackContext.keys = function webpackContextKeys() {
            return Object.keys(map);
        }
        webpackContext.resolve = webpackContextResolve;
        module.exports = webpackContext;
    });
}

function require(moduleName) {
    return __webpack_require__(module.exports[moduleName]);
}

function webpackContextResolve(req) {
    var id = map[req];
    if(!id + 1) { // check for number or string
        var e = new Error("Cannot find module '" + req + '" + req + '@\n');
        try {
            return webpackContext(__webpack_require__); // return
        } catch (e) { /* empty */ }
    }
    return id;
}

function webpackContextResolve(req) {
    var id = map[req];
    return id;
}

module.exports = function require(moduleName) {
    return __webpack_require__(module.exports[moduleName]);
};
```
options!./SignUpForm.vue?vue&type=style&index=0&lang=scss&"var baseIsEqual = require('./_baseIsEqual'),
get = require('./get'),
hasIn = require('./hasIn'),
isKey = require('./_isKey'),
isStrictComparable = require('./_isStrictComparable'),
matchesStrictComparable = require('./_matchesStrictComparable'),

toKey = require('./toKey'),

/**
 * Checks if `value` is the language type of `Object`. (e.g. arrays, functions, objects, regexes, `new Number(0)`, and `new String('')`)
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an object, else
baseEvery(collection, predicate) {
  var result = true;
  baseEach(collection, function(value, index, collection) {
    var returnResult = predicate(value, index, collection);
    if (!returnResult) {
      result = false;
    }
  });
  return result;
}

module.exports = baseEvery;

"// call something on iterator step with safe closing on error"*

anObject = require("./_an-object");
module.exports = function (iterator, fn, value, entries) {
  var tryFn = (fn(anObject(value))[0], value[1] : fn(value));
  if (isFunction(tryFn)) {
    var catchFn = tryFn;
    var ret = iterator(ret);
    if (ret !== undefined) {
      anObject(ret.call(iterator));
    }
  } else {
    var varMapData = require("./_getMapData");
    var result = true;
    baseEach(entries, function(entry, index, collection) {
      var entryValue = entry;
      var entryIndex = index;
      var entryCollection = collection;
      var returnResult = predicate(entryValue, entryIndex, entryCollection);
      if (returnResult) {
        result = false;
      }
    });
  }
  return result;
}

module.exports = baseEvery;

""
array[index] = args[start + index];

while (++index < start) {
    otherArgs[index] = args[index];
}

otherArgs[start] = transform(array);

var otherArgs = Array(start + 1);
while (++index < start) {
    otherArgs[index] = args[index];
}

otherArgs[start] = transform(array);

return apply(func, this, otherArgs);

module.exports = overRest;

"use strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fab';
var iconName = 'linkedin';
var width = 448;
var height = 512;
var ligatures = [];
var unicode = 'f08c';

var svgPathData = 'M416 32H31.9C14.3 32 0 46.5 0 64.3V383.4C0 465.5 14.3 480 31.9 480H416c17.6 0 32-14.5 32-32.3V64.3c0-17.8-14.4-32.3-32-32.3zM135.4

416H69V202.2h66.5V416zm-33.2-243c-21.2 0-38.5 17.3 38.5 38.5 0 21.3-17.2 38.5-38.5z282.1 243h-66.5V312c-0-24.8-.5-56.7-34.5-56.7-34.5-0

39.9-27.9-39.9 54.9V416h-66.4V202.2h63.7V39.2h9c8-9.6 16.8 30.6 512.2 30.6 62.9 34.5 67.2 0 79.7 44.3 79.7 101.9V416z';

exports.definition = {
    prefix: prefix,
    iconName: iconName,
    icon: [
        width,
        height,
        ligatures,
        unicode,
        svgPathData
    ]};

exports.faLinkedin = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

var isObject = require('./_is-object');
var document = require('./_global').document;

var memoize = require('./memoize');

var MAX_MEMOIZE_SIZE = 500;

var isObject = require('./_is-object');
var document = require('./_global').document;

var isObject = require('./_is-object');
var document = require('./_global').document;

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var isObject = require('./_is-object');
var document = require('./_global').document;

var isObject = require('./_is-object');
var document = require('./_global').document;

var isObject = require('./_is-object');
var document = require('./_global').document;
nullTag = [object Null];

undefinedTag = [object Undefined];

**Built-in value references.**

* The base implementation of `getTag()` without fallbacks for buggy environments.

* `null` & `undefined` values

* `Asset.getPrototypeOf(O)`

* `WeakMap`

* `defineProperty`

* `getMatchData()`

* `getNative`

* `isStrictComparable`

* `keys`

* `Symbol`

* `Object.getPrototypeOf`

* `getNative`

* `root`

* `require('./_root')`

* `__proto__`

* `module.exports = getNative('weakMap', 'WeakMap')`
console.warn((\"Network \" + (context.props.network) + \" does not exist\"));\n }\n\n return
createElement(context.parent.networkTag, {\n
staticClass: context.data.staticClass || null,\n
staticStyle:
context.data.staticStyle || null,\n
class: context.data.class || null,\n
style: context.data.style || null,\n
attrs: {\n
id: context.data.attrs.id || null,\n
'data-link': network.type === 'popup'\n
? '#share-' +
context.props.network\n
: context.parent.createSharingUrl(context.props.network),\n
'data-action':
network.type === 'popup' ? null : network.action\n
},\n
on: {\n
click: network.type === 'popup' ? function
() {\n
context.parent.share(context.props.network);\n
} : function () {\n
context.parent.touch(context.props.network);\n
}\n
}\n }, context.children);\n }\n};\n\nvar email =
{\"sharer\":\"mailto:?subject=@title&body=@url%0D%0A%0D%0A@description\",\"type\":\"direct\"};\nvar
facebook =
{\"sharer\":\"https://www.facebook.com/sharer/sharer.php?u=@url&title=@title&description=@description&quote
=@quote\",\"type\":\"popup\"};\nvar googleplus =
{\"sharer\":\"https://plus.google.com/share?url=@url\",\"type\":\"popup\"};\nvar line =
{\"sharer\":\"http://line.me/R/msg/text/?@description%0D%0A@url\",\"type\":\"popup\"};\nvar linkedin =
{\"sharer\":\"https://www.linkedin.com/shareArticle?mini=true&url=@url&title=@title&summary=@description\",\
"type\":\"popup\"};\nvar odnoklassniki =
{\"sharer\":\"https://connect.ok.ru/dk?st.cmd=WidgetSharePreview&st.shareUrl=@url&st.comments=@description\
",\"type\":\"popup\"};\nvar pinterest =
{\"sharer\":\"https://pinterest.com/pin/create/button/?url=@url&media=@media&description=@title\",\"type\":\"po
pup\"};\nvar reddit =
{\"sharer\":\"https://www.reddit.com/submit?url=@url&title=@title\",\"type\":\"popup\"};\nvar skype =
{\"sharer\":\"https://web.skype.com/share?url=@description%0D%0A@url\",\"type\":\"popup\"};\nvar telegram =
{\"sharer\":\"https://t.me/share/url?url=@url&text=@description\",\"type\":\"popup\"};\nvar twitter =
{\"sharer\":\"https://twitter.com/intent/tweet?text=@title&url=@url&hashtags=@hashtags@twitteruser\",\"type\":\"
popup\"};\nvar viber = {\"sharer\":\"viber://forward?text=@url @description\",\"type\":\"direct\"};\nvar vk =
{\"sharer\":\"https://vk.com/share.php?url=@url&title=@title&description=@description&image=@media&nopars
e=true\",\"type\":\"popup\"};\nvar weibo =
{\"sharer\":\"http://service.weibo.com/share/share.php?url=@url&title=@title\",\"type\":\"popup\"};\nvar whatsapp
=
{\"sharer\":\"whatsapp://send?text=@description%0D%0A@url\",\"type\":\"direct\",\"action\":\"share/whatsapp/sha
re\"};\nvar sms = {\"sharer\":\"sms:?body=@url%20@description\",\"type\":\"direct\"};\nvar BaseNetworks =
{\n\temail: email,\n\tfacebook: facebook,\n\tgoogleplus: googleplus,\n\tline: line,\n\tlinkedin:
linkedin,\n\todnoklassniki: odnoklassniki,\n\tpinterest: pinterest,\n\treddit: reddit,\n\tskype: skype,\n\ttelegram:
telegram,\n\ttwitter: twitter,\n\tviber: viber,\n\tvk: vk,\n\tweibo: weibo,\n\twhatsapp: whatsapp,\n\tsms:
sms\n};\n\nvar inBrowser = typeof window !== 'undefined';\nvar $window = inBrowser ? window : null;\n\nvar
SocialSharing = {\n props: {\n /**\n * URL to share.\n * @var string\n */\n url: {\n
type: String,\n
default: inBrowser ? window.location.href : ''\n },\n\n /**\n * Sharing title, if available by network.\n *
@var string\n */\n title: {\n
type: String,\n
default: ''\n },\n\n /**\n * Sharing description, if
available by network.\n * @var string\n */\n description: {\n
type: String,\n
default: ''\n },\n\n /**\n
* Facebook quote\n * @var string\n */\n quote: {\n
type: String,\n
default: ''\n },\n\n /**\n *
Twitter hashtags\n * @var string\n */\n hashtags: {\n
type: String,\n
default: ''\n },\n\n /**\n *
Twitter user.\n * @var string\n */\n twitterUser: {\n
type: String,\n
default: ''\n },\n\n /**\n * Flag
that indicates if counts should be retrieved.\n * - NOT WORKING IN CURRENT VERSION\n * @var
mixed\n */\n withCounts: {\n
type: [String, Boolean],\n
default: false\n },\n\n /**\n * Google plus
key.\n * @var string\n */\n googleKey: {\n
type: String,\n
default: undefined\n },\n\n /**\n *
Pinterest Media URL.\n * Specifies the image/media to be used.\n */\n media: {\n
type: String,\n
default: ''\n },\n\n /**\n * Network sub component tag.\n * Default to span tag\n */\n networkTag: {\n
type: String,\n
default: 'span'\n },\n\n /**\n * Additional or overridden networks.\n * Default to

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BaseNetworks

```javascript
const networks = {
  type: Object,
  default: function () {
    return {
      /**
       * Available sharing networks.
       * @param object
       */
      baseNetworks: BaseNetworks,
    },

    /**
     * Popup settings.
     * @param object
     */
    popup: {
      status: false,
      resizable: true,
      toolbar: false,
      menubar: false,
      directories: false,
      width: 626,
      height: 436,
      top: 0,
      left: 0,
      window: undefined,
      interval: null
    }
  }
}

export default {
  'imddb-header.dropdown.items': [{
    label: 'Graphics', href: "#/" },
    { label: 'Overview', href: "#/" }
};
```
run(chain[i++]); // variable length - can't use forEach
    promise._c = [];
    promise._n = false;
    if (isReject && !promise._h) onUnhandled(promise);
  });
};
var onUnhandled = function (promise) {
  task.call(global, function () {
    var value = promise._v;
    var unhandled = isUnhandled(promise);
    var result, handler,
    console;
    if (unhandled) {
      result = perform(function () {
        if (isNode) {
          process.emit('unhandledRejection', value, promise);
        } else if (handler = global.onunhandledrejection) {
          handler({ promise: promise, reason: value });
        } else if ((console = global.console) && console.error) {
          console.error('Unhandled promise rejection', value);
        }
      });
      // Browsers should not trigger ‘rejectionHandled’ event if it was handled here, NodeJS - shouldn't
      promise._h = isNode || isUnhandled(promise) ? 2 : 1;
      promise._a = undefined;
      if (unhandled && result.e) throw result.v;
    }
  });
};
var isUnhandled = function (promise) {
  return promise._h !== 1 && (promise._a || promise._c).length === 0;
};
var onHandleUnhandled = function (promise) {
  task.call(global, function () {
    var handler;
    if (isNode) {
      process.emit('rejectionHandled', promise);
    } else if (handler = global.onrejectionhandled) {
      handler({ promise: promise, reason: promise._v });
    }
  });
};
var $reject = function (value) {
  var promise = this;
  if (promise._d) return;
  promise._d = true;
  promise = promise._w || promise; // unwrap
  promise._v = value;
  promise._s = 2;
  if (!promise._a) promise._a = promise._c.slice();
  notify(promise, true);
};
var $resolve = function (value) {
  var promise = this;
  var then;
  if (promise._d) return;
  promise._d = true;
  promise = promise._w || promise; // unwrap
  try {
    if (promise === value) throw TypeError("Promise can't be resolved itself");
    if (then = isThenable(value)) {
      microtask(function () {
        var wrapper = { _w: promise, _d: false }; // wrap
        try {
          then.call(value, ctx($resolve, wrapper, 1), ctx($reject, wrapper, 1));
        } catch (e) {
          $reject.call(wrapper, e);
        }
      });
    } else {
      promise._v = value;
      promise._s = 1;
      notify(promise, false);
    }
  } catch (e) {
    $reject.call({ _w: promise, _d: false }, e); // wrap
  }
};

constructor polyfill
if (!USE_NATIVE) {
  // 25.4.3.1 Promise(executor)
  $Promise = function Promise(executor) {
    anInstance(this, $Promise, PROMISE, '_h');
    aFunction(executor);
    Internal.call(this);
    try {
      executor(ctx($resolve, this, 1), ctx($reject, this, 1));
    } catch (e) {
      $reject.call(this, e);
    }
  };
  Internal = function Promise(executor) {
    this._c = [];             // <- awaiting reactions
    this._a = undefined;      // <- checked in
    this._s = 0;              // <- state
    this._d = false;          // <- done
    this._v = undefined;      // <- value
    this._h = 0;              // <- rejection state, 0 - default, 1 - handled, 2 - unhandled
    this._n = false;          // <- notify
  };
  Internal.prototype = require('./_redefine-all')($Promise.prototype, {
    // 25.4.5.3
    Promise.prototype.then(onFulfilled, onRejected)
    then: function then(onFulfilled, onRejected) {
      var capability = newPromiseCapability(speciesConstructor(this, $Promise));
      var $$reject = capability.reject;
      $$reject(r);
      return capability.promise;
    },
    // 25.4.5.1
    Promise.prototype.catch(onRejected)
    'catch': function (onRejected) {
      return this.then(\n        undefined,
        onRejected,\n      )
    }
  });
  OwnPromiseCapability = function () {
    var promise = new Internal();
    this.promise = promise;
    this.resolve = ctx($resolve, wrapper, 1);
    this.reject = ctx($reject, wrapper, 1);
  };
  newPromiseCapabilityModule.f = newPromiseCapability = function (C) {
    return promiseResolve(LIBRARY && this === Wrapper ? $Promise : this, x);
  };
  $export($export.G + $export.W + $export.F * !USE_NATIVE, { Promise: $Promise });
require('./_set-to-string-tag')($Promise, PROMISE);
require('./_set-species')(PROMISE);
Wrapper = require('core').[PROMISE];
new PromiseCapabilityModule.f = new PromiseCapability = function (C) {
  return C === $Promise || C === Promise ?
    new PromiseCapabilityModule.f(C) :
    new PromiseCapability(C);
};

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newPromiseCapability(C);
var resolve = capability.resolve;
var reject = capability.reject;
var result = perform(function () {
  var values = [];
  var index = 0;
  var remaining = 1;

  forOf(iterable, false, function (promise) {
    var $index = index++;
    var alreadyCalled = false;

    remaining++;
    C.resolve(promise).then(function (value) {
      if (alreadyCalled) return;
      alreadyCalled = true;
      values[$index] = value;
      --remaining || resolve(values);
    }, reject);
  });

  if (result.e) reject(result.v);
  return capability.promise;
},

// 25.4.4 Promise.race(iterable)
race: function race(iterable) {
  var C = this;
  var capability = newPromiseCapability(C);
  var reject = capability.reject;
  var result = perform(function () {
    var values = [];
    var index = 0;
    var remaining = 1;

    forOf(iterable, false, function (promise) {
      C.resolve(promise).then(capability.resolve, reject);
    });

    --remaining || resolve(values);
  });

  if (result.e) reject(result.v);
  return capability.promise;
});

var core = require('./_core');
var global = require('./_global');
var SHARED = '__core-js_shared__';
var store = global[SHARED] ||
  (global[SHARED] = {});

(module.exports = function (key, value) {
  return store[key] || (store[key] = value !==
  undefined ? value : {});
})('versions', []).push({
  version: core.version,
  mode: require('./_library') ? 'pure' : 'global',
  copyright: '© 2018 Denis Pushkarev (zloirock.ru)'
});

/**
 * Checks if a stack value for `key` exists.
 *
 * @private
 * @name has
 * @memberOf Stack
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function stackHas(key) {
  return this.__data__.has(key);
}

module.exports = stackHas;

var overArg = require('./_overArg');

// Built-in method references for those with the same name as other `lodash` methods.
var nativeKeys = overArg(Object.keys, Object);

module.exports = nativeKeys;

/**
 * The base implementation of `_.reduce` and `_.reduceRight`, without support
 * for iteratee shorthands, which iterates over `collection` using `eachFunc`.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} accumulator The initial value.
 * @param {boolean} initAccum Specify using the first or last element of
 * `collection` as the initial value.
 * @param {Function} eachFunc The function to iterate over `collection`.
 * @returns {*} Returns the accumulated value.
 */
function baseReduce(collection, iteratee, accumulator, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      // Your code here
    },
    accumulator
  );
  return accumulator;
}

module.exports = baseReduce;

/*
*/

*/
function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
  eachFunc(collection,
    function(value, index, collection) {
      accumulator = initAccum
        ? (initAccum = false, value)
        : iteratee(accumulator, value, index, collection);
    });
  return accumulator;
}

module.exports = baseReduce;

var arrayPush = require('./_arrayPush'),
    isFlattenable = require('./_isFlattenable');

/**
 *
 * The base implementation of `_.flatten` with support for restricting flattening.
 *
 * @private
 * @param {Array} array
 * @param {number} depth
 * @param {boolean} [predicate=isFlattenable]
 * @returns {Array} Returns the new flattened array.
 */
function baseFlatten(array, depth, predicate, isStrict, result) {
  var index = -1,
      length = array.length,
      predicate || (predicate = isFlattenable),
      result || (result = []);

  while (++index < length) {
    var value = array[index];
    if (depth > 0 && predicate(value)) {
      if (depth > 1) {
        // Recursively flatten arrays (susceptible to call stack limits).
        baseFlatten(array, depth - 1, predicate, isStrict, result);
      } else {
        arrayPush(result, value);
      }
    } else if (!isStrict) {
      result[result.length] = value;
    }
  }
  return result;
}

module.exports = baseFlatten;

var global = require('./_global');
var core = require('./_core');
var hide = require('./_hide');
var redefine = require('./_redefine');
var ctx = require('./_ctx');
var PROTOTYPE = 'prototype';

var $export = function (type, name, source) {
  var IS_FORCED = type & $export.F,
      IS_GLOBAL = type & $export.G,
      IS_STATIC = type & $export.S,
      IS_PROTO = type & $export.P,
      IS_BIND = type & $export.B,
      target = IS_GLOBAL
        ? global
        : IS_STATIC
          ? global[name] || (global[name] = {})
          : (global[name] || {})[PROTOTYPE];
  var exports = IS_GLOBAL
    ? core
    : core[name] || (core[name] = {});
  var expProto = exports[PROTOTYPE] || (exports[PROTOTYPE] = {});
  var key, own, out, exp;
  if (IS_GLOBAL) source = name;
  for (key in source) {
    // contains in native
    own = !IS_FORCED && target && target[key] !== undefined;
    // export native or passed
    out = (own ? target : source)[key];
    // bind timers to global for call from export context
    exp = IS_BIND
      && own
      ? ctx(out, global)
      : IS_PROTO
        && typeof out == 'function'
        ? ctx(Function.call, out)
        : out;
    // extend global
    if (target) redefine(target, key, out, type & $export.U);
    // export
    if (exports[key] != out)
      hide(exports, key, exp);
    if (IS_PROTO && expProto[key] != out)
      expProto[key] = out;
  }
};

global.core = core;

module.exports = $export;

var ITERATOR = require('./_wks')('iterator');
var SAFE_CLOSING = false;

try {
  var riter = [7][ITERATOR]();
  riter['return'] = function () {
    SAFE_CLOSING = true;
  };
  // eslint-disable-next-line no-throw-literal
  Array.from(riter, function () { throw 2; });
} catch (e) { /* empty */ }

module.exports = function (exec, skipClosing) {
  if (!skipClosing && !SAFE_CLOSING) return false;
  var safe = false;
  try {
    var arr = [7];
    var iter = arr[ITERATOR]();
    exec(arr);
  } catch (e) { /* empty */ }
  return safe;
};

var isObject = require('./_is-object');
var setPrototypeOf = require('./_set-proto').set;
module.exports = function (that, target, C) {
  var S = target.constructor;
  var P;
  if (S !== C && typeof S == 'function' && (P = S.prototype) !== C.prototype && isObject(P) && setPrototypeOf) {
    setPrototypeOf(that, P);
    var redef = function () {
      return false;
    };
    var listCacheClear = require('./_listCacheClear'),
        listCacheDelete = require('./_listCacheDelete'),
        listCacheGet = require('./_listCacheGet'),
        listCacheHas = require('./_listCacheHas'),
        listCacheSet = require('./_listCacheSet');
    listCacheClear/*no *!\n
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Array.isArray returns the list cache instance.

var assocIndexOf = require('./_assocIndexOf');

/**
 * Sets the list cache `key` to `value`.
 *
 * @private
 * @name set
 * @memberOf ListCache
 * @param {string} key
 *    The key of the value to set.
 * @param {*} value
 *    The value to set.
 * @returns {Object} Returns the list cache instance.
 */
function listCacheSet(key, value) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    ++this.size;
    data.push([key, value]);
  } else {
    data[index][1] = value;
  }
  return this;
}

// to indexed object, toObject with fallback for non-array-like ES3 strings

var arrayMap = require('./_arrayMap'),
    baseIteratee = require('./_baseIteratee'),
    baseMap = require('./_baseMap'),
    baseSortBy = require('./_baseSortBy'),
    baseUnary = require('./_baseUnary'),
    compareMultiple = require('./_compareMultiple'),
    identity = require('./identity');

/**
 * The base implementation of `_.orderBy` without param guards.
 *
 * @private
 * @param {Array|Object} collection
 *    The collection to iterate over.
 * @param {Function[]} iteratees
 *    The iteratees to sort by.
 * @param {string[]} orders
 *    The sort orders of `iteratees`.
 * @returns {Array} Returns the new sorted array.
 */
function baseOrderBy(collection, iteratees, orders) {
  var index = -1;
  iteratees = arrayMap(iteratees.length ? iteratees : [identity],
    baseUnary(baseIteratee));

  var result = baseMap(collection, function(value, key, collection) {
    var criteria = arrayMap(iteratees, function(iteratee) {
      return iteratee(value);
    });
    return { 'criteria': criteria, 'index': ++index, 'value': value };
  });

  return baseSortBy(result, function(object, other) {
    return compareMultiple(object, other, orders);
  });
}

// 7.1.1 ToPrimitive(input [, PreferredType])

var isObject = require('./_is-object');

var $flags = require('./_flags');

'// 7.1.1 ToPrimitive input

if (require('./_fails')(function () { return $toString.call({
  source: 'a', flags: 'b' }) != '/a/b'; })) {
  define(function toString() {
    var R = anObject(this);
    return '/'.concat(R.source, '/',
      'flags' in R ? R.flags : !DESCRIPTORS && R instanceof RegExp ? $flags.call(R) :
        undefined);
  });
// FF44- RegExp#toString has a wrong name
} else if ($toString.name != TO_STRING) {
  define(function toString() {
    return $toString.call(this);
  });
}
`arguments.length` in strict mode.

key == 'length' ||

// Node.js 0.10 has enumerable non-index properties on buffers.
(isBuff && (key == 'offset' || key == 'parent')) ||

// PhantomJS 2 has enumerable non-index properties on typed arrays.
(isType && (key == 'buffer' || key == 'byteLength' || key == 'byteOffset')) ||

// Skip index properties.
isIndex(key, length) )

) {
  result.push(key);
}

}

return result;

module.exports = arrayLikeKeys;

// extracted by mini-css-extract-plugin",
"var createBaseFor = require('./_createBaseFor');

/**
 * The base implementation of `baseForOwn` which iterates over `object` properties returned by `keysFunc` and invokes `iteratee` for each property.
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {Function} keysFunc The function to get the keys of `object`.
 * @returns {Object} Returns the new constant function.
 * @memberOf _
 * @since 2.4.0
 * @category Util
 * @param {*} value The value to return from the new function.
 * @returns {Function} Returns the new constant function.
 */
var constant = function (value) {
  return function () {
    return value;
  };
}

module.exports = constant;

'use strict';

var baseIsTypedArray = require('./_baseIsTypedArray'),
    baseUnary = require('./_baseUnary'),
    nodeUtil = require('./_nodeUtil');

/*
 * Node.js helper references. */

var nodeIsTypedArray = nodeUtil && nodeUtil.isTypedArray;

/**
 * Checks if `value` is classified as a typed array.
 *
 * @static
 * @memberOf _
 * @since 3.0.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is a typed array, else `false`.
 * @example
 *
 * _.isTypedArray(new Uint8Array);
 * // => true
 *
 * _.isTypedArray(
 * []);
 * // => false
 */
var isTypedArray = nodeIsTypedArray ? baseUnary(nodeIsTypedArray) :

baseIsTypedArray;

module.exports = isTypedArray;
arrayTag = '[object Array]',
    boolTag = '[object Boolean]',
    dateTag = '[object Date]',
    errorTag = '[object Error]',
    funcTag = '[object Function]',
    mapTag = '[object Map]',
    numberTag = '[object Number]',
    objectTag = '[object Object]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    weakMapTag = '[object WeakMap]';

var arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint8ClampedTag = '[object Uint8ClampedArray]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]';

/** Used to identify `toStringTag` values of typed arrays. */
var typedArrayTags = {};
typedArrayTags[float32Tag] = typedArrayTags[float64Tag] =
typedArrayTags[int8Tag] = typedArrayTags[int16Tag] =
typedArrayTags[int32Tag] = typedArrayTags[uint8Tag] =
typedArrayTags[uint8ClampedTag] = typedArrayTags[uint16Tag] =
typedArrayTags[uint32Tag] = true;
typedArrayTags[argsTag] = typedArrayTags[arrayTag] =
typedArrayTags[arrayBufferTag] = typedArrayTags[boolTag] =
typedArrayTags[dataViewTag] = typedArrayTags[dateTag] =
typedArrayTags[errorTag] = typedArrayTags[funcTag] =
typedArrayTags[mapTag] = typedArrayTags[numberTag] =
typedArrayTags[objectTag] = typedArrayTags[regexpTag] =
typedArrayTags[setTag] = typedArrayTags[stringTag] =
typedArrayTags[weakMapTag] = false;

/**
 * Converts `value` to a string. An empty string is returned for `null` and
 * `undefined` values. The sign of `-0` is preserved.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 *
 * @category Lang
 * @param {*} value The value to convert.
 * @returns {string} Returns the converted string.
 */
function toString(value) {
  return value == null ? '' : baseToString(value);
}

module.exports = toString;

// https://github.com/zloirock/core-js/issues/86#issuecomment-115759028
var global = typeof window != 'undefined' && window.Math == Math
  ? window :
  typeof self != 'undefined' && self.Math == Math ? self :
  Function('return this')();
if (typeof __g == 'number') __g = global; // eslint-disable-line no-new-func

var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */
var Map = getNative(root, 'Map');

module.exports = Map;

var被执行 = function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return true;
  }
};

var nativeCreate = require('./_nativeCreate');

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;

/**
 * Checks if a hash value for `key` exists.
 *
 * @private
 * @name has
 * @memberOf Hash
 * @param {string} key The key of the entry to check.
 *
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function hashHas(key) {
  var data = this.__data__;
  return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data,
    key);
}

module.exports = hashHas;

(function (global, factory) {
  typeof exports === 'object' && typeof module !== 'undefined' ? factory(exports, require('@fortawesome/fontawesome')) :
  typeof define === 'function' && define.amd ? define(['exports', '@fortawesome/fontawesome'], factory) :
  factory(global['vue-fontawesome'] = {}),global.FontAwesome);
}(this, (function (exports,fontawesome) { 'use strict';

fontawesome =

});)
```
pulse: props.pulse,
  'fa-fw': props.fixedWidth,
  'fa-border': props.border,
  'fa-li': props.listItem,
  'fa-flip-horizontal': props.flip === 'horizontal' || props.flip === 'both',
  'fa-flip-vertical': props.flip === 'vertical' ||
  props.flip === 'both',
  defineProperty(_classes, 'fa-' + props.size, props.size !== null),
  defineProperty(_classes, 'fa-rotate-' + props.rotation, props.rotation !== null),
  defineProperty(_classes, 'fa-pull-' + props.pull, props.pull !== null),
  defineProperty(_classes, 'fa-stack-7x', props.size === 7 * 96),
  defineProperty(_classes, 'fa-stack-8x', props.size === 8 * 96),
  defineProperty(_classes, 'fa-stack-9x', props.size === 9 * 96),
  defineProperty(_classes, 'fa-stack-10x', props.size === 10 * 96),
  defineProperty(_classes, 'fa-stack-12x', props.size === 12 * 96),
  defineProperty(_classes, 'fa-stack-16x', props.size === 16 * 96),
  defineProperty(_classes, 'fa-stack-24x', props.size === 24 * 96),
  defineProperty(_classes, 'fa-stack-32x', props.size === 32 * 96),
  defineProperty(_classes, 'fa-stack-48x', props.size === 48 * 96),
  defineProperty(_classes, 'fa-stack-512x', props.size === 512 * 96),
  defineProperty(_classes, 'fa-stack-768x', props.size === 768 * 96),
  defineProperty(_classes, 'fa-stack-1024x', props.size === 1024 * 96),
  defineProperty(_classes, 'fa-stack-2048x', props.size === 2048 * 96),
  defineProperty(_classes, 'fa-stack-4096x', props.size === 4096 * 96),


```
get: function () { return this; });\n
var mapCacheClear = require('./_mapCacheClear'),\nmapCacheDelete = require('./_mapCacheDelete'),\nmapCacheGet = require('./_mapCacheGet'),\nmapCacheHas = require('./_mapCacheHas'),\nmapCacheSet = require('./_mapCacheSet');\n
/**
 * Creates a map cache object to store key-value pairs.
 * * @param {Array} [entries] The key-value pairs to cache.
 * * @function MapCache(entries)
 * * @template {Object} E
 * * @returns {Object} The map cache object.
 */

function MapCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to 'MapCache'.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.has = mapCacheHas;

module.exports = MapCache;

var Stack = require('./_Stack'),
    equalArrays = require('./_equalArrays'),
    equalByTag = require('./_equalByTag'),
    equalObjects = require('./_equalObjects'),
    getTag = require('./_getTag'),
    isArray = require('./isArray'),
    isBuffer = require('./isBuffer'),
    isTypedArray = require('./isTypedArray');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1;

/** `Object#toString` result references. */
var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    objectTag = '[object Object]';

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;

/**
 * A specialized version of `baseIsEqual` for arrays and objects which performs deep comparisons and tracks traversed objects enabling objects with circular
 * references to be compared.
 * * @param {Object} object The object to compare.
 * * @param {Object} other The other object to compare.
 * * @param {Function} customizer The function to customize comparisons.
 * * @param {Function} equalFunc The function to determine equivalents of values.
 * * @param {Object} [stack] Tracks traversed objects.
 * * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */

function baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
  var objIsArr = isArray(object),
      othIsArr = isArray(other),
      objTag = objIsArr ? arrayTag : getTag(object),
      othTag = othIsArr ? arrayTag : getTag(other);

  objTag = objTag == argsTag ? objectTag : objTag;
  othTag = othTag == argsTag ? objectTag : othTag;

  var objIsObj = objTag == objectTag,
      othIsObj = othTag == objectTag,
      isSameTag = objTag == othTag;

  if (isSameTag && isBuffer(object)) {
    if (!isBuffer(other)) {
      return false;
    }
    objIsArr = true;
  }
  if (!isSameTag && !objIsObj) {
    stack || (stack = new Stack);
    return (objIsArr || isTypedArray(object))
      ? equalArrays(object, other, bitmask, customizer, equalFunc, stack)
      : equalByTag(object, other, objTag, bitmask, customizer, equalFunc, stack);
  }
  if ( !(bitmask & COMPARE_PARTIAL_FLAG)) {
    var objIsWrapped = objIsObj && hasOwnProperty.call(object, '__wrapped__'),
      othIsWrapped = othIsObj && hasOwnProperty.call(other, '__wrapped__');

    if (objIsWrapped || othIsWrapped) {
      var objUnwrapped = objIsWrapped ? object.value() : object,
          othUnwrapped = othIsWrapped ? other.value() : other;

      stack || (stack = new Stack);
      return equalFunc(objUnwrapped, othUnwrapped, bitmask, customizer, stack);
    }
  }
  if (!isSameTag) {
    return false;
  }
  stack || (stack = new Stack);
  return equalObjects(object, other, bitmask, customizer, equalFunc, stack);
}

module.exports = baseIsEqualDeep;
else if (Promise && Promise.resolve) {
    // Promise.resolve without an argument throws an error in LG WebOS
    var promise = Promise.resolve(undfined); // Promise.resolve(1097)
    notify = function () {
        promise.then(flush);
    }
}

if (Promise && Promise.resolve) {
    // Promise.resolve without an argument throws an error in LG WebOS
    var promise = Promise.resolve(undefined);
    notify = function () {
        promise.then(flush);
    }
}

for other environments - makrotask based on:

- setImmediate
- MessageChannel
- window.postMessage

else {
    notify = function () {
        // strange IE + webpack dev server bug - use .call(global)
        module.exports = function () {
            // eval
            var promise = Promise.resolve(undefined);
            notify = function () {
                promise.then(flush);
            }
        };
    }
}

return function (fn) {
    var task = {
        fn: fn,
        next: undefined
    };
    if (last) last.next = task;
    if (!head) {
        head = task;
        notify();
    } last = task;
}

var core = module.exports = {
    version: '2.5.7'
};
if (typeof __e == 'number') __e = core; // eslint-disable-line no-undef

module.exports = {};

/**
 * A faster alternative to `Function#apply`, this function invokes `func`
 * with the `this` binding of `thisArg` and the arguments of `args`;
 * @private
 * @param {Function} func The function to invoke.
 * @param {*} @param {*} args The arguments to invoke `func` with.
 * @returns {*} Returns the result of `func`.
 */
function apply(func, thisArg, args) {
    switch (args.length) {
        case 0: return func.call(thisArg);
        case 1: return func.call(thisArg, args[0]);
        case 2: return func.call(thisArg, args[0], args[1]);
        case 3: return func.call(thisArg, args[0], args[1], args[2]);
    }
    return func.apply(thisArg, args);
}

module.exports = apply;

var baseHasIn = require('./_baseHasIn'),
    hasPath = require('./_hasPath');

/**
 * Checks if `path` is a direct or inherited property of `object`.
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Object
 * @param {Object} object The object to query.
 * @param {Array|string} path The path to check.
 * @returns {boolean} Returns `true` if `path` exists, else `false`.
 */
function hasIn(object, path) {
    return object != null && hasPath(object, path, baseHasIn);
}

module.exports = hasIn;

var anObject = require('./_an-object');
var IE8_DOM_DEFINE = require('./_ie8-dom-define');
var toPrimitive = require('./_to-primitive');
var dP = Object.defineProperty;

exports.f = require('./_descriptors') ? Object.defineProperty : function defineProperty(O, P, Attributes) {
    anObject(O);
    P = toPrimitive(P, true);
    anObject(Attributes);
    if (IE8_DOM_DEFINE) try {
        return dP(O, P, Attributes);
    } catch (e) { /* empty */ }
    if ('get' in Attributes || 'set' in Attributes) throw TypeError('Accessors not supported!');
    if ('value' in Attributes) O[P] = Attributes.value;
    return O;
};

// Works with __proto__ only. Old v8 can't work with null proto objects.
/* eslint-disable no-proto */
var isObject = require('./_is-object');
var anObject = require('./_an-object');
var check = function (O, proto) {
    anObject(O);
    if (!isObject(proto) && proto !== null) throw TypeError(proto +": can't set as prototype!");
};
module.exports = {
    set: Object.setPrototypeOf || ('__proto__' in {} ? // eslint-disable-line
        function (test, buggy, set) {
            try {
                set = require('./_ctx')(Function.call, require('./_object-gopd').f(Object.prototype, '__proto__').set, 2);
                set(test, []);
                buggy = !(test instanceof Array);
            } catch (e) { buggy = true; }
            return function setPrototypeOf(O, proto) {
                check(O, proto);
                if (buggy) O._proto__ = proto;
                else set(O, proto);
                return O;
            };
        }({}, false) : undefined),
    check: check
};

module.exports = __WEBPACK_EXTERNAL_MODULE__8bbf__;

'use strict';
Object.defineProperty(exports, '__esModule', {
    value: true
});
var prefix = 'fab';
var iconName = 'facebook';
var width = 448;
var height = 512;
var ligatures = [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
] = [];

exports.definition = {
    prefix: prefix,
    iconName: iconName,
    icon: [
        width,
        height,
        ligatures,
        unicode,
        svgPathData
    ]
};

exports.faFacebook = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;

//"use strict";

var defineProperty(exports, '__esModule', {
    value: true
});
Object.prototype
, NativeSymbol, SymbolPolyfill, HiddenSymbol, globalSymbols = create(null)
, isNativeSafe, \n
if (typeof Symbol === 'function') { \n
  NativeSymbol = Symbol; \n
  try {
    \n      String(NativeSymbol()); \n    \n      isNativeSafe = true; \n
    \n  } \n
  catch (ignore) { \n
    var generateName = (function () {

      var created = create(null);
      return function (desc) {

        var postfix = 0, name, ie11BugWorkaround;

        while (created[desc + (postfix || '')]) ++postfix;

        desc += (postfix || '');

        created[desc] = true;

        name = '@@' + desc;

        defineProperty(objPrototype, name, d(gs(null, function (value) {

          if (this instanceof HiddenSymbol) throw new TypeError('Symbol is not a constructor');

          return SymbolPolyfill(description); \n
        }))); \n
      }(); \n
    }(); \n
    var isArrayLike =
require('./isArrayLike');

/**
 * Creates a ‘baseEach’ or ‘baseEachRight’ function.
 * Each function to iterate over a collection.
 */

function baseEach(collection, iteratee) {
  var length = collection.length,
      index = -1;

  while (index < length) {
    if (iteratee(collection[index], index, collection) === false) {
      return
    }
    index++;
  }
}

module.exports = baseEach;

/*global require*/

function createBaseEach(eachFunc, fromRight) {
  return function(collection, iteratee) {
    if (collection == null) {
      return collection;
    }
    if (!isArrayLike(collection)) {
      return eachFunc(collection, iteratee);
    }
    var length = collection.length,
        index = fromRight ? length : -1,
        iterable = Object(collection);

    while ((fromRight ? index-- : ++index < length)) {
      if (iteratee(Iterable[index], index, iterable) === false) {
        return
      }
    }

    return collection;
  };
}

module.exports = createBaseEach;

/*global require*/

function baseGetTag(value) {
  var isObject = require('./isObject');

  /**
   * `Object#toString` result references.
   */
  var asyncTag = '[object AsyncFunction],
      genTag = '[object GeneratorFunction],
      symbolTag = '[object Symbol],
      proxyTag = '[object Proxy];

  /**
   * Checks if `value` is classified as a `Function` object.
   *
   * @static
   * @memberOf 
   * @since 0.1.0
   * @category Lang
   * @param {*} value The value to check.
   * @returns {boolean} Returns
   */
  function isFunction(value) {
    if (!isObject(value)) {
      return false;
    }
    // The use of `Object#toString` avoids issues with the `typeof` operator
    // in Safari 9 which returns 'object' for
typed arrays and other constructors.
    var tag = baseGetTag(value);
    return tag == funcTag || tag == genTag || tag == asyncTag || tag == symbolTag || tag == proxyTag;
  }

  module.exports = isFunction;

/*global require*/

function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;

/*global require*/

var isValue = require('./is-value');

module.exports = function (value) {
  if (!isValue(value)) throw new TypeError("Cannot use null or undefined");
  return value;
};

/*global require*/

function baseEach(collection, iteratee) {
  var length = collection.length,
      index = -1;

  while (index < length) {
    if (iteratee(collection[index], index, collection) === false) {
      return
    }
    index++;
  }
}

module.exports = baseEach;

"use strict";

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./isObject');

/**
 * The base implementation of `_.eq` which supports comparison
 * functions.
 *
 * @private
 * @param {Function} equals The function to customize comparisons.
 * @param {*} value The value to check.
 * @returns {boolean} Returns
 */
function baseEq(value, other, equals) {
  return equals(value, other) || (!value && !other);
}

module.exports = baseEq;

/*global require*/

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./isObject');

/**
 * Performs a
 * `SameValueZero` comparison between two values to determine if they are equivalent.
 *
 * @static
 * @memberOf 
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 * @example
 *
 * var object = { 'a': 1 };
 * var other = { 'a': 1 };
 *
 * _.eq(object, object);
 * // => true
 *
 * _.eq(object, other);
 * // => true
 *
 * _.eq('a', 'a');
 * // => true
 *
 * _.eq(NaN, NaN);
 * // => true
 */
function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;

/*global require*/

function baseGetTag(value) {
  var isObject = require('./isObject');

  /**
   * `Object#toString` result references.
   */
  var asyncTag = '[object AsyncFunction],
      genTag = '[object GeneratorFunction],
      symbolTag = '[object Symbol],
      proxyTag = '[object Proxy];

  /**
   * Checks if `value` is classified as a `Function` object.
   *
   * @static
   * @memberOf 
   * @since 0.1.0
   * @category Lang
   * @param {*} value The value to check.
   * @returns {boolean} Returns
   */
  function isFunction(value) {
    if (!isObject(value)) {
      return false;
    }
    // The use of `Object#toString` avoids issues with the `typeof` operator
    // in Safari 9 which returns 'object' for
typed arrays and other constructors.
    var tag = baseGetTag(value);
    return tag == funcTag || tag == genTag || tag == asyncTag || tag == symbolTag || tag == proxyTag;
  }

  module.exports = isFunction;

/*global require*/

function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;

/*global require*/

var isValue = require('./is-value');

module.exports = function (value) {
  if (!isValue(value)) throw new TypeError("Cannot use null or undefined");
  return value;
};

/*global require*/

function baseEach(collection, iteratee) {
  var length = collection.length,
      index = -1;

  while (index < length) {
    if (iteratee(collection[index], index, collection) === false) {
      return
    }
    index++;
  }
}

module.exports = baseEach;

"use strict";

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./isObject');

/**
 * The base implementation of `_.eq` which supports comparison
 * functions.
 *
 * @private
 * @param {Function} equals The function to customize comparisons.
 * @param {*} value The value to check.
 * @returns {boolean} Returns
 */
function baseEq(value, other, equals) {
  return equals(value, other) || (!value && !other);
}

module.exports = baseEq;

/*global require*/

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./isObject');

/**
 * Performs a
 * `SameValueZero` comparison between two values to determine if they are equivalent.
 *
 * @static
 * @memberOf 
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 * @example
 *
 * var object = { 'a': 1 };
 * var other = { 'a': 1 };
 *
 * _.eq(object, object);
 * // => true
 *
 * _.eq(object, other);
 * // => true
 *
 * _.eq('a', 'a');
 * // => true
 *
 * _.eq(NaN, NaN);
 * // => true
 */
function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;

/*global require*/

function baseGetTag(value) {
  var isObject = require('./isObject');

  /**
   * `Object#toString` result references.
   */
  var asyncTag = '[object AsyncFunction],
      genTag = '[object GeneratorFunction],
      symbolTag = '[object Symbol],
      proxyTag = '[object Proxy];

  /**
   * Checks if `value` is classified as a `Function` object.
   *
   * @static
   * @memberOf 
   * @since 0.1.0
   * @category Lang
   * @param {*} value The value to check.
   * @returns {boolean} Returns
   */
  function isFunction(value) {
    if (!isObject(value)) {
      return false;
    }
    // The use of `Object#toString` avoids issues with the `typeof` operator
    // in Safari 9 which returns 'object' for
typed arrays and other constructors.
    var tag = baseGetTag(value);
    return tag == funcTag || tag == genTag || tag == asyncTag || tag == symbolTag || tag == proxyTag;
  }

  module.exports = isFunction;

/*global require*/

function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;

/*global require*/

var isValue = require('./is-value');

module.exports = function (value) {
  if (!isValue(value)) throw new TypeError("Cannot use null or undefined");
  return value;
};

/*global require*/

function baseEach(collection, iteratee) {
  var length = collection.length,
      index = -1;

  while (index < length) {
    if (iteratee(collection[index], index, collection) === false) {
      return
    }
    index++;
  }
}

module.exports = baseEach;

"use strict";

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./isObject');

/**
 * The base implementation of `_.eq` which supports comparison
 * functions.
 *
 * @private
 * @param {Function} equals The function to customize comparisons.
 * @param {*} value The value to check.
 * @returns {boolean} Returns
 */
function baseEq(value, other, equals) {
  return equals(value, other) || (!value && !other);
}

module.exports = baseEq;

/*global require*/

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./isObject');

/**
 * Performs a
 * `SameValueZero` comparison between two values to determine if they are equivalent.
 *
 * @static
 * @memberOf 
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 * @example
 *
 * var object = { 'a': 1 };
 * var other = { 'a': 1 };
 *
 * _.eq(object, object);
 * // => true
 *
 * _.eq(object, other);
 * // => true
 *
 * _.eq('a', 'a');
 * // => true
 *
 * _.eq(NaN, NaN);
 * // => true
 */
function eq(value, other) {
  return value === other || (value !== value && other !== other);
}

module.exports = eq;
iteratee(value, key, collection);

```javascript
iteratee(value, key, collection);
  }
  return result;
}

module.exports = baseMap;

/**
 * Creates a base function for methods like `_.forIn` and `_.forOwn`.
 *
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The iteratee method.
 * @returns {Array} Returns the array of iteratee results.
 */
function createBaseFor(object, iteratee, keysFunc) {
  var props = keysFunc(object),
      length = props.length;

  if (iteratee(0, props[0], object) === false) {
    return null;
  }

  var base = createBaseFor;

  for (var index = 0; index < props.length; index++) {
    var key = props[index];
    if (iteratee(object[key], key, object) === false) {
      break;
    }
  }

  return object;
}

module.exports = createBaseFor;

var baseGet = require('./_baseGet');

/**
 * Gets the value at `path` of `object`. If the resolved
 * value is `undefined`, the `defaultValue` is returned in its place.
 *
 * @static
 * @memberOf _
 * @since 3.7.0
 * @category Object
 * @param {Object} object The object to query.
 * @param {Array|string} path The
 * path of the property to get.
 * @param {*} [defaultValue] The value returned for `undefined` resolved values.
 * @returns {*} Returns the resolved value.
 * @example
 *
 * var object = { 'a': [{ 'b': { 'c': 3 } }] };
 *
 * _.get(object, 'a[0].b.c');
 * // => 3
 *
 * _.get(object, 'a[0]', 'default');
 * // => 'default'
 */
function get(object, path, defaultValue) {
  var result = object == null ? undefined
    : baseGet(object, path);
  return result === undefined ? defaultValue : result;
}

module.exports = get;
```

```
// optional / simple context binding
var aFunction = require('./_a-function');
module.exports = function (fn, that, length) {
  aFunction(fn);
  if (that != null) return fn.call(that, 0, 1, 2);

  switch (length) {
    case 1: return function (a) {
      return fn.call(this, a);
    };
    case 2: return function (a, b) {
      return fn.call(this, a, b);
    };
    case 3: return function (a, b, c) {
      return fn.call(this, a, b, c);
    };
  }
  return function (/* ...args */) {
    return fn.apply(this, arguments);
  };
};

module.exports = function (exec) {
  try {
    return { e: false,
      v: exec() };
  } catch (e) {
    return { e: true, v: e };
  }
};
```

This code snippet is self-contained and does not require any additional context. It includes functions for creating base functions for iterating over objects, getting values from object paths, and creating context bindings for functions.
require('./_SetCache'),
    arraySome = require('./_arraySome'),
    cacheHas = require('./_cacheHas');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1,
    COMPARE_UNORDERED_FLAG = 2;

/**
 * A specialized version of `baseIsEqualDeep` for arrays with
 * support for `toString` partial deep comparisons.
 */
var
    arraySome = require('./_arraySome'),
    cacheHas = require('./_cacheHas');

/**
 * Checks if a map value for `key` exists.
 */
function mapCacheHas(key) {
  return getMapData(this, key).has(key);
}

module.exports = mapCacheHas;

// @@replace logic
require('./_fix-re-wks')('replace', 2, function (defined, REPLACE, $replace) {
  // 21.1.3.14 String.prototype.replace(searchValue, replaceValue)
  return [function replace(searchValue, replaceValue) {
    'use strict';
    var O = defined(this);
    var fn = searchValue == undefined ? undefined : searchValue[REPLACE];
    return fn !== undefined
      ? fn.call(searchValue, O, replaceValue)
      : $replace.call(String(O), searchValue, replaceValue);
  },
  $replace];
});

var $export = require('./_export');
var defined = function defineProperty = require('./_defineProperty'),
    identity = require('./identity');

function baseSetToString(func, string) {
  return defineProperty(func, 'toString', {
    'configurable': true,
    'enumerable': false,
    'value': string,
    'writable': true
  });
}

module.exports = baseSetToString;

var baseGetAllKeys = require('./_baseGetAllKeys'),
    getSymbols = require('./_getSymbols'),
    keys = require('./keys');

/**
 * Creates an array of own enumerable property names and symbols of `object`.
 */
var
    baseGetAllKeys = require('./_baseGetAllKeys'),
    getSymbols = require('./_getSymbols'),
    keys = require('./keys');

// 25.4.1.5 NewPromiseCapability(C)
var aFunction = require('./_a-function');

function PromiseCapability(C) {
  var resolve, reject;
  this.promise = new C(function ($$resolve, $$reject) {
    if (resolve !== undefined || reject !== undefined) throw TypeError('Bad Promise constructor');
    resolve = $$resolve;
    reject = $$reject;
  });
  this.resolve = aFunction(resolve);
  this.reject = aFunction(reject);
}

module.exports.f = function (C) {
  return new PromiseCapability(C);
};

var
    baseGetAllKeys = require('./_baseGetAllKeys'),
    getSymbols = require('./_getSymbols'),
    keys = require('./keys');

// 21.1.3.14 String.prototype.replace(searchValue, replaceValue)

function call(value, O, replaceValue) {
  $replace.call(String(O), searchValue, replaceValue);
}

var fn = call(value, O, replaceValue);
The other object to compare.

@returns {boolean} Returns `true` if the objects are equivalent, else `false`.

```

function equalObjects(object, other, bitmask, customizer, equalFunc, stack) {
  var isPartial = bitmask & COMPARE_PARTIAL_FLAG,
      objProps = getAllKeys(object),
      objLength = objProps.length,
      othProps = getAllKeys(other),
      othLength = othProps.length;

  if (objLength != othLength && !isPartial) {
    return false;
  }
  var index = objLength;
  while (index--) {
    var key = objProps[index];
    if (!(isPartial ?
        key in other : hasOwnProperty.call(other, key))) {
      return false;
    }
  }
  // Assume cyclic values are equal.
  var stack = stack.get(object);
  if (stack & COMPARE_PARTIAL_FLAG) {
    var skipped = stack.get(other);
    return skipped == other;
  }
  var result = true;
  stack.set(object, other);

  var skipCtor = isPartial;
  while (++index < objLength) {
    key = objProps[index];
    var objValue = object[key],
        othValue = other[key];

    if (customizer) {
      var compared = isPartial
        ? customizer(othValue, objValue, key, other, object, stack)
          : customizer(objValue, othValue, key, object, other, stack);
    }
    // Recursively compare objects (susceptible to call stack limits).
    if (!(compared === undefined
          ? (objValue === othValue || equalFunc(objValue,
            othValue, bitmask, customizer, stack))
          : compared
        )) {
      result = false;
      break;
    }
    skipCtor || (skipCtor = key == 'constructor');
  }

  var othCtor = other.constructor;
  if (skipCtor || othCtor !== object.constructor) {
    return false;
  }
  return result;
}
```

```

module.exports = equalObjects;
```
call a class as a function(); } */

* Inner class which performs selection from either `text` or `target` properties and then executes copy or cut operations.

* The `ClipboardAction` function at

@param {Object} options

* Function `ClipboardAction(options)` at

this.resolveOptions(options); this.initSelection();

* Defines base properties passed from constructor.

* @param {Object} options

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Sets the `action` to be performed which

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Creates a fake textarea element, sets its value from `text` property,

* and makes a selection on it.

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Decides which selection strategy is going to be applied based on the existence of `text` and `target` properties.

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* If (this.text) {

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Only removes the fake element after another click event, that way a user can hit `Ctrl+C` to copy because selection still exists.

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Sets the content from element passed on `target` property.

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Decides which selection strategy is going to be applied based on the current selection.

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Fires an event based on the copy operation result.

* @param {Boolean} succeeded

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Moves focus away from `target` and back to

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Destroy lifecycle.

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* Sets the `action` to be performed which can be either `copy` or `cut`.

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();

* `ClipboardAction`; this.resolveOptions(options); this.initSelection();
proto.oMatchesSelector ||
proto.webkitMatchesSelector;
}

/**
 * Finds the closest parent
 * that matches a selector.
 */
function closest (element, selector) {
    while (element && element.nodeType !==
DOCUMENT_NODE_TYPE) {
        if (typeof element.matches === 'function' &&
element.matches(selector)) {
            return element;
        }
        element = element.parentNode;
    }
}

module.exports = closest;


/***/ })
/******/ "]);
});

/* Built-in method references that are verified to be native. */
var DataView = getNative(root,
'DataView');

module.exports = DataView;

// 7.2.1 RequireObjectCoercible(argument)
module.exports = function (it) {
  if (it == undefined) throw TypeError("Can't call method on  " + it);
  return it;
};

function _defineProperties(target, props) {
  for (var i = 0; i < props.length; i++) {
    var descriptor = props[i];
    descriptor.enumerable = descriptor.enumerable || false;
    descriptor.configurable = true;
    if ('value' in descriptor) descriptor.writable = true;
    Object.defineProperty(target, descriptor.key, descriptor);
  }
}

export default function _createClass(Constructor, protoProps, staticProps) {
  if (protoProps)
    _defineProperties(Constructor.prototype, protoProps);
  if (staticProps) _defineProperties(Constructor,
staticProps);
  return Constructor;
}
2 - Partial comparison

* @param {Function} [customizer] The function to customize comparisons.
  * @param {Object} [stack] Tracks traversed `value` and `other` objects.
  * @returns {boolean} Returns `true` if the values are equivalent, else `false`.

function baseIsEqual(value, other, bitmask, customizer, stack) {
  if (value === other) {
    return true;
  }
  if (value == null || other == null || (!isObjectLike(value) && !isObjectLike(other))) {
    return false;
  }
  return baseIsEqualDeep(value, other, bitmask, customizer, baseIsEqual, stack);
}

module.exports = baseIsEqual;

/*!
 * Font Awesome Free 5.5.0 by @fontawesome - https://fontawesome.com
 * License: - https://fontawesome.com/license/free (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License)
 */
var noop = function () {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
} catch (e) {}

var _ref = _WINDOW.navigator || {};
var _ref$userAgent = _ref.userAgent;
var userAgent = _ref$userAgent === undefined ? '' : _ref$userAgent;

var WINDOW = _WINDOW;
var DOCUMENT = _DOCUMENT;
var MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
var PERFORMANCE = _PERFORMANCE;

var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function' && typeof DOCUMENT.createElement === 'function';
var IS_IE = ~userAgent.indexOf('MSIE') || ~userAgent.indexOf('Trident/');

var NAMESPACE_IDENTIFIER = '___FONT_AWESOME___';
var UNITS_IN_GRID = 16;
var DEFAULT_FAMILY_PREFIX = 'fa';
var DATA_FA_PSEUDO_ELEMENT = 'data-fa-pseudo-element';
var DATA_ICON = 'data-icon';
var HTML_CLASS_I2SVG_BASE_CLASS = 'fontawesome-i2svg';
var TAGNAMES_TO_SKIP_FOR_PSEUDESTORABLES = ['HTML', 'HEAD', 'STYLE', 'SCRIPT'];

var PRODUCTION = function () {
  try {
    return process.env.NODE_ENV === 'production';
  } catch (e) {
    return false;
  }
}();

var oneToTen = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];
var oneToTwenty = oneToTen.concat([11, 12, 13, 14, 15, 16, 17, 18, 19, 20]);

var ATTRIBUTES_WATCHED_FOR_MUTATION = ['class', 'data-prefix', 'data-icon', 'data-fa-transform', 'data-fa-mask'];
var RESERVED_CLASSES = ['xs', 'sm', 'lg', 'fw', 'ul', 'li', 'border', 'pull-left', 'pull-right', 'spin', 'pulse', 'rotate-90', 'rotate-180', 'rotate-270', 'flip-horizontal', 'flip-vertical', 'stack', 'stack-1x', 'stack-2x', 'inverse', 'layers', 'layers-text', 'layers-counter'];
var ATTRIBUTES_WATCHED = 'data-fa-mask';

var _extends = Object.assign || function (target) {
  for (var i = 1; i < arguments.length; i++) {
    var source = arguments[i];
    for (var key in source) {
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
    }
  }
  return target;
};

var toConsumableArray = function (arr) {
  if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) arr2[i] = arr[i];
    return arr2;
  } else {
    throw new TypeError("Invalid attempt to destructure non-iterable instance");
  }
};

Object.defineProperty(target, descriptor.key, descriptor);
Array.from(arr);

var initial = WINDOW.FontAwesomeConfig || {};

function getAttrConfig(attr) {
  var val = ELEMENT.querySelector('script[+ attr+=\'+ attr +\']');
  if (element) {
    return element.getAttribute(attr);
  }
}

function getAttrConfig(attr) {
  var var attrs = ['data-family-prefix', 'familyPrefix'],
      [data-replacement-class, 'replacementClass'],
      ['data-auto-replace-svg', 'autoReplaceSvg'],
      ['data-auto-add-css', 'autoAddCss'],
      ['data-auto-11y', 'auto11y'],
      ['data-search-pseudo-elements', 'searchPseudoElements'],
      ['data-observe-mutations', 'observeMutations'],
      ['data-keep-original-source', 'keepOriginalSource'],
      ['data-measure-performance', 'measurePerformance'],
      ['data-show-missing-icons', 'showMissingIcons'];

  for (var i = 0; i < attributes.length; i++) {
    var attr = attributes[i];
    var val = coercion(getAttrConfig(attr));
    if (val !== undefined && val !== null) {
      initial[attr] = val;
    }
  }
}

var _default = _extends({
  familyPrefix: DEFAULT_FAMILY_PREFIX,
  replacementClass: DEFAULT_REPLACEMENT_CLASS,
  autoReplaceSvg: true,
  autoAddCss: true,
  auto11y: true,
  searchPseudoElements: false,
  observeMutations: true,
  keepOriginalSource: true,
  measurePerformance: false,
  showMissingIcons: true,
}, initial);

var config = _extends({}, _default);

WINDOW.FontAwesomeConfig = config;

var w = WINDOW || {};

if (!w[NAMESPACE_IDENTIFIER]) w[NAMESPACE_IDENTIFIER] = {};
if (!w[NAMESPACE_IDENTIFIER].styles) w[NAMESPACE_IDENTIFIER].styles = {};
if (!w[NAMESPACE_IDENTIFIER].hooks) w[NAMESPACE_IDENTIFIER].hooks = {};
if (!w[NAMESPACE_IDENTIFIER].shims) w[NAMESPACE_IDENTIFIER].shims = [];

var namespace = w[NAMESPACE_IDENTIFIER];

var functions = [];
var listener = function listener() {
  DOCUMENT.removeEventListener('DOMContentLoaded', listener);
  loaded = 1;
  functions.map(function (fn) {
    return fn();
  });
};

var loaded = false;

if (IS_DOM) {
  loaded = DOCUMENT.documentElement.doScroll ? /^loaded|^c/ : /^loaded|^i|^c/).test(DOCUMENT.readyState);

  if (!loaded) DOCUMENT.addEventListener('DOMContentLoaded', listener);
}

var domready = function (fn) {
  if (!IS_DOM) return;
  setTimeout(function (fn) {
    functions.push(fn);
  }, 0);
}

function insertCss(css) {
  if (!css || !IS_DOM) {
    return;
  }

  var style = DOCUMENT.createElement('style');
  style.setAttribute('type', 'text/css');
  style.innerHTML = css;

  var headChildren = DOCUMENT.head.childNodes;
  var beforeChild = null;

  for (var i = headChildren.length - 1; i > -1; i--) {
    var child = headChildren[i];
    var tagName = (child.tagName || '').toUpperCase();
    if (['STYLE', 'LINK'].indexOf(tagName) > -1) {
      beforeChild = child;
      break;
    }
  }

  DOCUMENT.head.insertBefore(style, beforeChild);

  return css;
}

function nextUniqueId() {
  var size = 12;
  var id = 

  function toArray(obj) {
    var array = [];

    for (var i = (obj || []).length >>> 0; i--;) {
      array[i] = obj[i];
    }

    return array;
  }

  function classArray(node) {
    if (node.classList) {
      return toArray(node.classList);
    } else {
      return (node.getAttribute('class') || '').split(' ').filter(function (i) {
        return i;
      });
    }
}

  function getIconName(familyPrefix, cls) {
    var parts = cls.split('-');
    var prefix = parts[0];
    var iconName = parts.slice(1).join('-');

    if (prefix === familyPrefix && iconName !== '' && !isReserved(iconName)) {
      return iconName;
    } else {
      return null;
    }
}

  function transformIsMeaningful(transform) {
    var size = 16;
    var x = 0;
    var y = 0;
    var rotate = 0;
    var flipX = false;
    var flipY = false;

    if (transformIsMeaninglessTransform) {
      var meaningLessTransform = {
        size: 16,
        x: 0,
        y: 0,
        rotate: 0,
        flipX: false,
        flipY: false
      };

      if (css || !IS_DOM) {
        var style = DOCUMENT.createElement('style');
        style.setAttribute('type', 'text/css');
        style.innerHTML = css;

        var headChildren = DOCUMENT.head.childNodes;
        var beforeChild = null;

        for (var i = headChildren.length - 1; i > -1; i--) {
          var child = headChildren[i];
          var tagName = (child.tagName || '').toUpperCase();
          if (['STYLE', 'LINK'].indexOf(tagName) > -1) {
            beforeChild = child;
            break;
          }
        }

        DOCUMENT.head.insertBefore(style, beforeChild);

        return css;
      }
    }
  }

  function htmlEscape(str) {
    return ('' + str).replace(/&/g, '&amp;').replace(/"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
  }

  function joinAttributes(attributes) {
    return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
      return acc + (attributeName + '="' + htmlEscape(attributes[attributeName]) + '" ');
    }, '').trim();
  }

  function joinStyles(styles) {
    return Object.keys(styles || {}).reduce(function (acc, styleName) {
      return acc + (styleName + ': ' + styles[styleName] + ';');
    }, '');
  }

  function transformationIsMeaningful(transform) {
    return cotransformationIsMeaningful(transform);
var mutator = getMutator();
var mark = perf.begin('mutate');
var callbackFunction = perf.end;
STYLE_TO_PREFIX = { 'Solid': 'fas', 'Regular': 'far', 'Light': 'fal', 'Brands': 'fab' }

FONT_WEIGHT_TO_PREFIX = { '900': 'fas', '400': 'far', '300': 'fal' }

function findIcon(iconName, prefix) {
  var val = {
    found: false,
    width: 512,
    height: 512,
    icon: missing
  };
  if (iconName && prefix && styles[prefix] && styles[prefix][iconName]) {
    var var = styles[prefix][iconName];
    var width = icon[0];
    var height = icon[1];
    var vectorData = icon.slice(4);
    var val = {
      found: true,
      width: width,
      height: height,
      icon: { tag: 'path', attributes: { fill: 'currentColor', d: vectorData[0] } }
    };
  } else if (iconName && prefix && !config.showMissingIcons) {
    throw new MissingIcon('Icon is missing for prefix ' + prefix + ' with icon name ' + iconName);
  }
  return val;
}

function generateSvgReplacementMutation(node, nodeMeta) {
  var iconName = nodeMeta.iconName,
      title = nodeMeta.title,
      transform = nodeMeta.transform,
      symbol = nodeMeta.symbol,
      mask = nodeMeta.mask,
      extra = nodeMeta.extra;

  return [node, makeInlineSvgAbstract({
    icons: {
      main: findIcon(iconName, prefix),
      mask: findIcon(mask.iconName, mask.prefix)
    },
    prefix: prefix,
    iconName: iconName,
    transform: transform,
    symbol: symbol,
    mask: mask,
    title: title,
    extra: extra,
    watchable: true
  })];
}

function generateLayersText(node, nodeMeta) {
  var title = nodeMeta.title,
      transform = nodeMeta.transform,
      extra = nodeMeta.extra;

  var width = null;
  var height = null;

  if (IS_IE) {
    var computedFontSize = parseInt(getComputedStyle(node).fontSize, 10);
    var boundingClientRect = node.getBoundingClientRect();
    width = boundingClientRect.width / computedFontSize;
    height = boundingClientRect.height / computedFontSize;
  }

  if (config.autoA11y && !title) {
    extra.attributes['aria-hidden'] = 'true';
  }

  return [node, makeLayersTextAbstract({
    content: node.innerHTML,
    width: width,
    height: height,
    transform: transform,
    title: title,
    extra: extra,
    watchable: true
  })];
}

function generateMutation(node) {
  var nodeMeta = parseMeta(node);

  if (~nodeMeta.extra.classes.indexOf(LAYERS_TEXT_CLASSNAME)) {
    return generateLayersText(node, nodeMeta);
  } else {
    return generateSvgReplacementMutation(node, nodeMeta);
  }
}

function searchPseudoElements(root) {
  if (!IS_DOM) return;

  var end = perf.begin('searchPseudoElements');
  disableObservation(function () {
    toArray(root.querySelectorAll('*')).filter(function (n) {
      return n.parentNode !== document.head && !~TAGNAMES_TO_SKIP_FOR_PSEUDOELEMENTS.indexOf(n.tagName.toUpperCase()) && !n.getAttribute(DATA_FA_PSEUDO_ELEMENT) && (!n.parentNode || n.parentNode.tagName !== 'svg');
    }).forEach(function (node) {
      [':before', ':after'].forEach(function (pos) {
        var children = toArray(node.children);
        var alreadyProcessedPseudoElement = children.filter(function (c) {
          return c.getAttribute(DATA_FA_PSEUDO_ELEMENT) !== pos;
        })[0];
        var styles = WINDOW.getComputedStyle(node, pos);
        var fontFamily = styles.getPropertyValue('font-family').match(FONT_FAMILY_PATTERN);
        var fontWeight = styles.getPropertyValue('font-weight');

        if (alreadyProcessedPseudoElement && !fontFamily) {
          // If we've already processed it but the current
          // computed style does not result in a font-family, null
          // that probably means that a class name that was previously
          // present to make the icon has been removed. So we now should
          // delete the icon.
          node.removeChild(alreadyProcessedPseudoElement);
        } else if (fontFamily) {
          var var = styles.getPropertyValue('content');
          var prefix = ~['Light', 'Regular', 'Solid', 'Brands'].indexOf(fontFamily[1]) ? STYLE_TO_PREFIX[fontFamily[1]] : FONT_WEIGHT_TO_PREFIX[fontWeight];
          var iconName = byUnicode(prefix, toHex(content.length === 3 ? content.substr(1, 1) : content));
          // Only convert the pseudo element in this :before/:after position into an icon if we haven't
          // already done so with the same prefix and
          if (alreadyProcessedPseudoElement) {
            // Delete the old one, since we're replacing it with a new one
            node.removeChild(alreadyProcessedPseudoElement);
          } else if (fontFamily) {
            var var = styles.getPropertyValue('content');
            var prefix = ~['Light', 'Regular', 'Solid', 'Brands'].indexOf(fontFamily[1]) ? STYLE_TO_PREFIX[fontFamily[1]] : FONT_WEIGHT_TO_PREFIX[fontWeight];
            var iconName = byUnicode(prefix, toHex(content.length === 3 ? content.substr(1, 1) : content));
          }
        }
      });
    });
  });

  perf.end('searchPseudoElements');
}
Awesome 4 used the prefix of "fa" for all icons. With the introduction of new styles we needed to differentiate between them. Prefix 'fa' is now an alias for 'fas' so we'll easily the upgrade process for our users by automatically defining* this as well.

* Font Awesome 4 used the prefix of 'fa' for all icons. With the introduction of new styles we needed to differentiate between them. Prefix 'fa' is now an alias for 'fas' so we'll easily the upgrade process for our users by automatically defining this as well.

```
icon.icon;
    } else {
      acc[iconName] = icon;
    }
    return acc;
  }, {});

  if (typeof namespace.hooks.addPack === 'function') {
    namespace.hooks.addPack(prefix, normalized);
  } else {
    namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}, normalized);
  }

  /**
   * Font Awesome 4 used the prefix of `fa` for all icons. With the introduction
   * of new styles we needed to differentiate
   * between them. Prefix `fa` is now an alias
   * for `fas` so we'll easily the upgrade process for our users by
   * automatically defining
   * this as well.
   */
  if (prefix === 'fas') {
    define('fa', icons);
  }
}

var Library = function () {
  function Library() {
    classCallCheck(this, Library);

    this.definitions = {};
  }

  createClass(Library, [{
    key: 'add',
    value: function add() {
      var _this = this;

      for (var _len = arguments.length, definitions = Array(_len), _key = 0; _key < _len; _key++) {
        definitions[_key] = arguments[_key];
      }

      var additions = definitions.reduce(this._pullDefinitions, {});

      Object.keys(additions).forEach(function (key) {
        _this.definitions[key] = _extends({}, _this.definitions[key] || {}, additions[key]);
        define(key, additions[key]);
        build();
      });
    }
  }, {
    key: 'reset',
    value: function reset() {
      this.definitions = {};
    }
  }, {
    key: '_pullDefinitions',
    value: function _pullDefinitions(additions, definition) {
      var normalized = definition.prefix && definition.iconName && definition.icon ? { 0: definition } : definition;

      Object.keys(normalized).map(function (key) {
        var _normalized$key = normalized[key],
            prefix = _normalized$key.prefix,
            iconName = _normalized$key.iconName,
            icon = _normalized$key.icon;

        if (!additions[prefix]) additions[prefix] = {};

        additions[prefix][iconName] = icon;
      });

      return additions;
    }
  }]);
  return Library;
}();

function prepIcon(icon) {
  var width = icon[0];
  var height = icon[1];
  var vectorData = icon.slice(4);

  return {
    found: true,
    width: width,
    height: height,
    icon: { tag: 'path', attributes: { fill: 'currentColor', d: vectorData[0] }}
  };

  function ensureCss() {
    if (config.autoAddCss && !_cssInserted) {
      insertCss(css());
      _cssInserted = true;
    }
  }

  function apiObject(val, abstractCreator) {
    Object.defineProperty(val, 'abstract', {
      get: abstractCreator
    });

    Object.defineProperty(val, 'html', {
      get: function get() {
        return val.abstract.map(function (a) {
          return toHtml(a);
        });
      }
    });

    Object.defineProperty(val, 'node', {
      get: function get() {
        if (!IS_DOM) return;

        var container = DOCUMENT.createElement('div');
        container.innerHTML = val.html;
        return container.children;
      }
    });

    return val;
  }

  function findIconDefinition(params) {
    var _params$prefix = params.prefix,
        prefix = _params$prefix === undefined ? 'fa' : _params$prefix,
        iconName = params.iconName;

    if (!iconName)
      return;

    return iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
  }

  function resolveIcons(next) {
    return function (maybeIconDefinition) {

      var iconDefinition = (maybeIconDefinition || {}).icon ? maybeIconDefinition : findIconDefinition(maybeIconDefinition || {});

      var mask = params.mask;

      if (mask) {
        mask = (mask || {}).icon ? mask : findIconDefinition(mask || {});
      }

      return next(iconDefinition, _extends({}, params, { mask: mask }));
    };
  }

  var library = new Library();

  var noAuto = function noAuto() {
    config.autoReplaceSvg = false;
    config.observeMutations = false;
    disconnect();
    _cssInserted = false;
    var dom = IS_DOM ? function () { throw new Error('autoReplaceSvg is not supported in dom'); }; function i2svg() {
      var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
      if (IS_DOM) {
        ensureCss();
        var params$prefix = params.prefix, prefix = _params$prefix === undefined ? 'fa' : _params$prefix, iconName = params.iconName;
        var node = _params$node === undefined ? DOCUMENT.createElement('div');
        node.innerHTML = val.html;
        return node.children;
      } else {
        return params.$callback();
      }
    }
  };
import { library } from '@fortawesome/fontawesome-svg-core'
export { library } from '@fortawesome/vue-fontawesome'
export default FontAwesomeIcon

/**
 * Checks if `value` is a valid array-like index.
 * @param {*} value
 * @param {number} [length=MAX_SAFE_INTEGER] The upper bounds of a valid index.
 * Returns `true` if `value` is a valid index, else `false`.
 */
function isIndex(value, length) {
  var type = typeof value;
  length = length == null ? MAX_SAFE_INTEGER : length;

  return !!length && (type == 'number' || type != 'symbol' && reIsUint.test(value)) &&
    (value > -1 && value % 1 == 0 && value < length);
}

module.exports = isIndex;

/**
 * Sets the `toString` method of `func` to return `string`.
 */
var setToString = shortOut(baseSetToString);

module.exports = setToString;

var arrayReduce = require('./_arrayReduce'),
    baseEach = require('./_baseEach'),
    baseIteratee = require('./_baseIteratee'),
    baseReduce = require('./_baseReduce'),
    isArray = require('./isArray');

/**
 * Reduces `collection` to a value which is the accumulated result of running
 * each element in `collection` thru `iteratee`, where each successive
 * invocation is supplied the return value of the previous. If `accumulator`
 * is not given, the first element of `collection` is used as the initial
 * value.
 * The iteratee is invoked with four arguments:
 * (accumulator, value, index|key, collection).
 * The guarded methods are:
 * `assign`, `defaults`, `defaultsDeep`, `includes`, `merge`, `orderBy`,
 * and `sortBy`
 * @static
 * @memberOf 
 * @since 0.1.0
 * @category Collection
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} [iteratee=_.identity] The function invoked per iteration.
 * @param {*} [accumulator] The initial value.
 * @returns {*} Returns the accumulated value.
 * @see _.reduceRight
 * @example
 *
 * _.reduce(
 *   [1, 2, 3, 4], function(accumulator, value)
 *     return accumulator + value;
 *   ), 0
 * );
 * // => 10
 * 
 * _.reduce(
 *   { 'a': 1, 'b': 2, 'c': 3 }, function(accumulator, value)
 *     return accumulator + value;
 *   ), 0
 * );
 * // => 6
 */
var reduce = function(collection, iteratee, accumulator) {
  var isArr = isArray(collection);
  if (isArr || isLength(collection)) {
    var length = isArr ? collection.length : length(collection);
    var result = (accumulator == null)
      ? (isArr ? collection[0] : collection[0].constructor(0))
      : accumulator;
    var index = 0;
    var iterateeValue;
    while (index < length)
      result = iteratee(result, iterateeValue = collection[index], index, collection);
    return result;
  }

  var keys = keys(collection);
  return keys ? keys.reduce(function(result, key) {
    iterateeValue = collection[key];
    return result + (isLength(iterateeValue) ? arrayReduce(iterateeValue, iteratee, result) : iterateeValue);
  }, 0) : result;
};

module.exports = reduce;
var Set = getNative(root, 'Set');
module.exports = Set;

var g;

// This works in non-strict mode
var addUnscopables = require('_/add-to-uns copables');

var addIter = require('_/iter-step');

var iterators = require('_/iterators');

var toObject = require('_/to-object');

Array.prototype.entries = function() {
  return this.map(function(v, i) {
    return [i, v];
  });
}

module.exports = Array.prototype.entries;

addToUnscopables('keys');
addToUnscopables('values');
addToUnscopables('entries');

function compareAscending(value, other) {
  if (value !== other) {
    var valIsDefined = value !== undefined,
        valIsNull = value === null,
        valIsReflexive = value === value,
        valIsSymbol = isSymbol(value);

    var othIsDefined = other !== undefined,
        othIsNull = other === null,
        othIsReflexive = other === other,
        othIsSymbol = isSymbol(other);

    if (!othIsNull && !othIsSymbol && !valIsSymbol && value > other) {
      return 1;
    }
    if (!valIsNull && !valIsSymbol && !othIsSymbol && value < other) {
      return -1;
    }
    return 0;
  }
}

module.exports = compareAscending;

var eq = require('./eq');

var assocIndexOf = function(array, key) {
  var length = array.length;
  while (length--) {
    if (eq(array[length][0], key)) {
      return length;
    }
  }
  return -1;
}

module.exports = assocIndexOf;

/*!
 * Font Awesome 5.0.13
 * License: MIT License
 */

var noop = function() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined')
    _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined')
    _PERFORMANCE = performance;
} catch (e) {}

var userAgent = _WINDOW.navigator.userAgent;

var WINDOW = _WINDOW;
var DOCUMENT = _DOCUMENT;
var MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
var PERFORMANCE = _PERFORMANCE;
var IS_BROWSER = !WINDOw.document;
var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function';
var IS_IE = ~userAgent.indexOf('MSIE') || ~userAgent.indexOf('Trident/');
var NAMESPACE_IDENTIFIER = '__font_awesome__';
var UNITS_IN_GRID = 16;
var DEFAULT_FAMILY_PREFIX = 'fa';
...
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

function nextUniqueId() {
  _uniqueId++;

  return _uniqueId;
}

function toArray(obj) {
  var array = null;

  for (var i = (obj || []).length >>> 0; i--;) {
    array[i] = obj[i];
  }

  return array;
}

function getIconName(familyPrefix, cls) {
  var parts = cls.split('-');

  if (prefix === familyPrefix && iconName !== '') {
    return parts.slice(1).join('-');
  } else {
    return null;
  }
}

function htmlEscape(str) {
  return ('' + str).replace(/&/g, '&amp;').replace(/"/g, '&quot;').replace(/'/g, '&#39;').replace(/</g, '&lt;').replace(/>/g, '&gt;');
}

function classArray(node) {
  if (node.classList) {
    return toArray(node.classList);
  } else {
    return null;
  }
}


ig: 'rect', attributes: _extends({ fill: 'currentColor', 'clip-path': 'url(#' + clipId + ')', mask: 'url(#' + maskId + ')' },
};

children.push(defs, {
  tag: 'defs',
  attributes: _extends({}, ALL_SPACE, {
    id: maskId,
    maskUnits: 'userSpaceOnUse',
    maskContentUnits: 'objectBoundingBox',
  });

  children: [maskRect, maskOuterGroup]
};

var defs = {
  tag: 'defs',

  attributes: _extends({}, ALL_SPACE, {
    id: maskId,
    maskUnits: 'objectBoundingBox',
    maskContentUnits: 'objectBoundingBox',
  });

  children: [maskRect, maskOuterGroup]
};

var clipId = 'clip-' + nextUniqueId();
var maskTag = {
  tag: 'mask',
  attributes: _extends({ fill: 'black' },
  children: [maskInnerGroup]
};

var maskOuterGroup = {
  tag: 'g',
  attributes: _extends({}, trans.outer),
  children: [maskInnerGroup]
};

var maskId = 'mask-' + nextUniqueId();
var maskInnerGroup = {
  tag: 'g',
  attributes: _extends({}, trans.inner),
  children: [maskPath]
};

var maskRect = {
  tag: 'rect',
  attributes: _extends({}, ALL_SPACE, {
    fill: 'white'
  }),
  children: [mask.icon]
};

var trans = transformForSvg({ transform: transform, containerWidth: containerWidth, iconWidth: iconWidth / 2 + '256' });

var innerTranslate = translateX + translateY + translateZ + scaleX + scaleY + rotationX + rotationY;

var innerScale = scale + scaleX + scaleY + rotationInteractive + rotateInteractive + translateInteractive;

var innerRotate = rotate + scale + translate;

var inner = {
  transform: 'translate(' + translateX + 'em, ' + translateY + 'em) ' + scale + ' ' + rotate + ' ' + translate,
  path: path
};

var outer = {
  transform: 'translate(' + translateX + 'em, ' + translateY + 'em) ' + scale + ' ' + rotate + ' ' + translate,
  path: path
};

var ref2startCentered = ref2startCentered;

var transform = translateX + translateY + translateZ + scaleX + scaleY + rotationX + rotationY;

var styles = styles || {};
function build() {
  var lookup = function lookup(reducer) {
    return reduce(styles$2, function (o, style, prefix)
    { return o[0] ? o[0] : null; })
  };

  _byUnicode = lookup(function (acc, prefix, iconName) {
    return acc[iconName] || iconFromMapping(mapping, prefix, iconName)
  });

  _byLigature = lookup(function (acc, prefix, iconName) {
    return acc[iconName] || iconFromMapping(mapping, prefix, iconName)
  });

  _byOldName = reduce(shims, function (acc, shim) {
    var prefix = shim[1];
    var iconName = shim[2];
    var ligatures = icon[2];
    ligatures.forEach(function (iconName, ligature)
    { acc[iconName] = iconName;
      return acc;
    });
  });

  return { prefix: null, iconName: null };
}

function byUnicode(prefix, unicode) {
  return _byUnicode[prefix][unicode];
}

function byLigature(prefix, ligature) {
  return _byLigature[prefix][ligature];
}

function byOldName(name) {
  return _byOldName[name] || { prefix: null,
    iconName: null };
}

function getCanonicalIcon(values) {
  var o = {}; 
  return values.reduce(function (acc, cls)
  { return acc[cls] || null; })
}

function iconFromMapping(mapping, prefix, iconName) {
  return mapping[prefix][iconName] || getCanonicalIcon(values,
    prefix, iconName);}

function getIconName(prefix, cls) {
  return prefix === 'far' && hasRegular ? null : prefix === 'fas' ? 'fa' + cls : cls;
}

function iconFromIcon(iconName) {
  return iconFromMapping(mapping, prefix, iconName);}

function getIcon(prefix, iconName) {
  return iconFromIcon(iconName);
}

function build() {
  var lookup = function lookup(reducer) {
    return reduce(styles$2, function (o, style, prefix)
    { return o[0] ? o[0] : null; })
  };

  _byUnicode = lookup(function (acc, prefix, iconName) {
    return acc[iconName] || iconFromMapping(mapping, prefix, iconName)
  });

  _byLigature = lookup(function (acc, prefix, iconName) {
    return acc[iconName] || iconFromMapping(mapping, prefix, iconName)
  });

  _byOldName = reduce(shims, function (acc, shim) {
    var prefix = shim[1];
    var iconName = shim[2];
    var ligatures = icon[2];
    ligatures.forEach(function (iconName, ligature)
    { acc[iconName] = iconName;
      return acc;
    });
  });

  return { prefix: null, iconName: null };
}

function byUnicode(prefix, unicode) {
  return _byUnicode[prefix][unicode];
}

function byLigature(prefix, ligature) {
  return _byLigature[prefix][ligature];
}

function byOldName(name) {
  return _byOldName[name] || { prefix: null,
    iconName: null };
}

function getCanonicalIcon(values) {
  var o = {}; 
  return values.reduce(function (acc, cls)
  { return acc[cls] || null; })
}

function iconFromMapping(mapping, prefix, iconName) {
  return mapping[prefix][iconName] || getCanonicalIcon(values,
    prefix, iconName);}

function getIconName(prefix, cls) {
  return prefix === 'far' && hasRegular ? null : prefix === 'fas' ? 'fa' + cls : cls;
}

function iconFromIcon(iconName) {
  return iconFromMapping(mapping, prefix, iconName);}

function getIcon(prefix, iconName) {
  return iconFromIcon(iconName);
}

function build() {
  var lookup = function lookup(reducer) {
    return reduce(styles$2, function (o, style, prefix)
    { return o[0] ? o[0] : null; })
  };

  _byUnicode = lookup(function (acc, prefix, iconName) {
    return acc[iconName] || iconFromMapping(mapping, prefix, iconName)
  });

  _byLigature = lookup(function (acc, prefix, iconName) {
    return acc[iconName] || iconFromMapping(mapping, prefix, iconName)
  });

  _byOldName = reduce(shims, function (acc, shim) {
    var prefix = shim[1];
    var iconName = shim[2];
    var ligatures = icon[2];
    ligatures.forEach(function (iconName, ligature)
    { acc[iconName] = iconName;
      return acc;
    });
  });

  return { prefix: null, iconName: null };
}
```javascript
function nest(mutation) {
    var node = mutation[0];
    var abstract = mutation[1];

    // If we already have a replaced node we do not want to continue nesting within it.
    if (~classArray(node).indexOf(config$1.replacementClass)) {
      return mutators.replace(mutation);
    }

    var forSvg = new RegExp(config$1.familyPrefix + '-.*');

    delete abstract[0].attributes.style;

    var splitClasses = abstract[0].attributes.class.split(' ').reduce(function (acc, cls) {
      if (cls === config$1.replacementClass) {
        return acc;
      }
      return acc + ' ' + cls;
    }, '');

    var abstractHtml = abstract.map(function (a) {
      return toHtml(a);
    }).join('\\n');
    node.setAttribute('class', splitClasses);
    node.setAttribute(DATA_FA_I2SVG, '');
    node.innerHTML = newInnerHTML;
  }
}

function perform(mutations, callback) {
  var callbackFunction = typeof callback === 'function' ? callback : noop$1;

  if (mutations.length === 0) {
    callbackFunction();
  } else {
    var frame = WINDOW.requestAnimationFrame || function (op) {
      return op();
    };

    frame(function () {
      var mutator = getMutator();
      var mark = perf.begin('mutate');

      mutations.map(mutator);

      mark();

      callbackFunction();
    });
  }
}

var disabled = false;

function disableObservation(operation) {
  disabled = true;
  operation();
  disabled = false;
}

var mo = null;

function observe(options) {
  if (!MUTATION_OBSERVER) return;

  var treeCallback = options.treeCallback,
      nodeCallback = options.nodeCallback,
      pseudoElementsCallback = options.pseudoElementsCallback;

  mo = new MUTATION_OBSERVER({
    function: function (objects) {
      if (disabled) return;

      toArray(objects).forEach(function (mutationRecord) {
        if (mutationRecord.type === 'childList' && mutationRecord.addedNodes.length > 0 &&
          !isWatched(mutationRecord.addedNodes[0])) {
          if (config$1.searchPseudoElements) {
            pseudoElementsCallback(mutationRecord.target);
          }
          treeCallback(mutationRecord.target);
        }

        if (mutationRecord.type === 'attributes' && mutationRecord.target &&
          ~ATTRIBUTES_WATCHED_FOR_MUTATION.indexOf(mutationRecord.attributeName)) {
          if (mutationRecord.attributeName === 'class') {
            var val = getCanonicalIcon(classArray(mutationRecord.target));
            prefix = getCanonicalIcon.prefix;
            iconName = getCanonicalIcon.iconName;
          }
          if (prefix) mutationRecord.target.setAttribute('data-prefix', prefix);
          if (iconName) mutationRecord.target.setAttribute('data-icon', iconName);
        }
      });
    }
  });

  if (!IS_DOM) return;

  mo.observe(DOCUMENT.getElementsByTagName('body')[0], {
    childList: true, attributes: true, characterData: true, subtree: true
  });
}

function disconnect() {
  if (!mo) return;

  mo.disconnect();
}

var styleParser = function (node) {
  var style = node.getAttribute('style');

  var val = {};

  if (style) {
    val = style.split(';').reduce(function (acc, style) {
      var parts = style.split(':');
      var prop = parts[0];
      var value = parts.slice(1);

      if (prop && value.length > 0) {
        acc[prop] = value.join(':').trim();
      }
      return acc;
    }, {});
  }

  return val;
};
```

---

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return acc;\n
}\n\n
rest = parseFloat(rest);\n\n
if (isNaN(rest)) {\n
return acc;\n
}\n\n
switch
(first) {\n
case 'grow':\n
acc.size = acc.size + rest;\n
break;\n
case 'shrink':\n
acc.size =
acc.size - rest;\n
break;\n
case 'left':\n
acc.x = acc.x - rest;\n
break;\n
case 'right':\n
acc.x = acc.x + rest;\n
break;\n
case 'up':\n
acc.y = acc.y - rest;\n
break;\n
case 'down':\n
acc.y = acc.y + rest;\n
break;\n
case 'rotate':\n
acc.rotate = acc.rotate + rest;\n
break;\n
}\n\n
return acc;\n }, transform);\n }\n};\n\nvar transformParser = function (node) {\n return
parseTransformString(node.getAttribute('data-fa-transform'));\n};\n\nvar symbolParser = function (node) {\n var
symbol = node.getAttribute('data-fa-symbol');\n\n return symbol === null ? false : symbol === '' ? true :
symbol;\n};\n\nvar attributesParser = function (node) {\n var extraAttributes =
toArray(node.attributes).reduce(function (acc, attr) {\n if (acc.name !== 'class' && acc.name !== 'style') {\n
acc[attr.name] = attr.value;\n }\n return acc;\n }, {});\n\n var title = node.getAttribute('title');\n\n if
(config$1.autoA11y) {\n if (title) {\n
extraAttributes['aria-labelledby'] = config$1.replacementClass + '-title-' +
nextUniqueId();\n } else {\n
extraAttributes['aria-hidden'] = 'true';\n }\n }\n\n return
extraAttributes;\n};\n\nvar maskParser = function (node) {\n var mask = node.getAttribute('data-fa-mask');\n\n if
(!mask) {\n return emptyCanonicalIcon();\n } else {\n return getCanonicalIcon(mask.split(' ').map(function (i)
{\n
return i.trim();\n }));\n }\n};\n\nfunction parseMeta(node) {\n var _classParser = classParser(node),\n
iconName = _classParser.iconName,\n prefix = _classParser.prefix,\n
extraClasses = _classParser.rest;\n\n
var extraStyles = styleParser(node);\n var transform = transformParser(node);\n var symbol =
symbolParser(node);\n var extraAttributes = attributesParser(node);\n var mask = maskParser(node);\n\n return {\n
iconName: iconName,\n title: node.getAttribute('title'),\n prefix: prefix,\n transform: transform,\n symbol:
symbol,\n mask: mask,\n extra: {\n
classes: extraClasses,\n
styles: extraStyles,\n
attributes:
extraAttributes\n }\n };\n}\n\nfunction MissingIcon(error) {\n this.name = 'MissingIcon';\n this.message = error
|| 'Icon unavailable';\n this.stack = new Error().stack;\n}\n\nMissingIcon.prototype =
Object.create(Error.prototype);\nMissingIcon.prototype.constructor = MissingIcon;\n\nvar FILL = { fill:
'currentColor' };\nvar ANIMATION_BASE = {\n attributeType: 'XML',\n repeatCount: 'indefinite',\n dur:
'2s'\n};\nvar RING = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n d: 'M156.5,447.7l-12.6,29.5c-18.7-9.535.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z M40.6,272H8.5
c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-37,11.1-54.1l-29.512.6 C14.7,194.3,10,216.7,8.5,240H40.6z M64.3,156.5c7.8-14.9,17.2-28.8,28.1-41.5L69.7,92.3c-13.7,15.625.5,32.8-34.9,51.5 L64.3,156.5z M397,419.6c-13.9,12-29.4,22.3-46.1,30.4l11.9,29.8c20.7-9.9,39.8-22.6,56.937.6L397,419.6z M115,92.4 c13.9-12,29.4-22.3,46.1-30.4l-11.9-29.8c-20.7,9.9-39.8,22.6-56.8,37.6L115,92.4z
M447.7,355.5c-7.8,14.9-17.2,28.8-28.1,41.5 l22.7,22.7c13.7-15.6,25.5-32.9,34.9-51.5L447.7,355.5z M471.4,272c1.4,18.8-5.2,37-11.1,54.1l29.5,12.6 c7.5-21.1,12.2-43.5,13.6-66.8H471.4z M321.2,462c-15.7,5-32.2,8.249.2,9.4v32.1c21.2-1.4,41.7-5.4,61.1-11.7L321.2,462z M240,471.4c-18.8-1.4-37-5.2-54.1-11.1l12.6,29.5c21.1,7.5,43.5,12.2,66.8,13.6V471.4z M462,190.8c5,15.7,8.2,32.2,9.4,49.2h32.1 c-1.4-21.2-5.4-41.7-11.761.1L462,190.8z M92.4,397c-12-13.9-22.3-29.4-30.4-46.1l-29.8,11.9c9.9,20.7,22.6,39.8,37.6,56.9 L92.4,397z
M272,40.6c18.8,1.4,36.9,5.2,54.1,11.1l12.6-29.5C317.7,14.7,295.3,10,272,8.5V40.6z M190.8,50 c15.7-5,32.28.2,49.2-9.4V8.5c-21.2,1.4-41.7,5.4-61.1,11.7L190.8,50z M442.3,92.3L419.6,115c12,13.9,22.3,29.4,30.5,46.1
l29.8-11.9C470,128.5,457.3,109.4,442.3,92.3z M397,92.4l22.7-22.7c-15.6-13.7-32.8-25.5-51.5-34.9l-12.6,29.5
C370.4,72.1,384.4,81.5,397,92.4z'\n })\n};\nvar OPACITY_ANIMATE = _extends({}, ANIMATION_BASE, {\n
attributeName: 'opacity'\n});\nvar DOT = {\n tag: 'circle',\n attributes: _extends({}, FILL, {\n cx: '256',\n cy:
'364',\n r: '28'\n }),\n children: [{ tag: 'animate', attributes: _extends({}, ANIMATION_BASE, { attributeName:
'r', values: '28;14;28;28;14;28;' }) }, { tag: 'animate', attributes: _extends({}, OPACITY_ANIMATE, { values:
'1;0;1;1;0;1;' }) }]\n};\nvar QUESTION = {\n tag: 'path',\n attributes: _extends({}, FILL, {\n opacity: '1',\n d:
'M263.7,312h-16c-6.6,0-12-5.4-12-12c0-71,77.4-63.9,77.4-107.8c0-20-17.8-40.2-57.4-40.2c-29.1,0-44.3,9.659.2,28.7 c-3.9,5-11.1,6-16.2,2.4l-13.1-9.2c-5.6-3.9-6.9-11.8-2.6-17.2c21.2-27.2,46.4-44.7,91.244.7c52.3,0,97.4,29.8,97.4,80.2 c0,67.6-77.4,63.5-77.4,107.8C275.7,306.6,270.3,312,263.7,312z'\n }),\n children:
[{ tag: 'animate', attributes: _extends({}, OPACITY_ANIMATE, { values: '1;0;0;0;0;1;' }) }]\n};\nvar

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Object.keys(additions).forEach(function (key) {
    this.definitions[key] = _extends({}, this.definitions[key] || {}), additions[key] || {}
  }, this);

var normalized = definition.prefix & & definition.iconName & & definition.icon ? 0 : definition

Object.keys(normalized).map(function (key) {
    var normalized = normalized[key],
        icon = normalized.iconName,
        prefix = normalized.prefix
      iconName = normalized.iconName,

    return Library

for (var i = 0; i < additions.length; i++) {
    function prepIcon(icon) {
        var width = icon[0],
            height = icon[1],
            vectorData = icon.slice(4),
            found = true,
            width: width, height: height, icon: { tag: 'path', attributes: {
                fill: 'currentColor', d: vectorData[0] } }
      iconName = iconName

    return Library

function parseTransformString(transformString) {
    return parseTransformString(transformString)

}
Recursively convert values (susceptible to call stack limits).

```javascript
  var result = (value + '');

  if (isNaN(value)) {
    return arrayMap(value, baseToString) + '';
  }
  if (isSymbol(value)) {
    return symbolToString ? symbolToString.call(value) : '';
  }
  var result = (value + '');

  return (result == '0' && (1 / value) == -INFINITY) ? '-0' : result;
}

module.exports = baseToString;
```

```javascript
/**
 * Sets the key to value.
 * @private
 * @name set
 * @memberOf Stack
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the stack cache instance.
 */
function stackSet(key, value) {
  var data = this.__data__;
  if (data instanceof ListCache) {
    var pairs = data.__data__;
    if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {
      pairs.push([key, value]);
      this.size = ++data.size;
      return this;
    }
    data = this.__data__ = new MapCache(pairs);
  }
  data.set(key, value);
  this.size = data.size;
  return this;
}

module.exports = stackSet;
```

```javascript
'use strict';
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fas';
var iconName = 'envelope';
var width = 512;
var height = 512;
var ligatures = [];
var unicode = 'f0e0';
var svgPathData = 'M502.3 190.8c3.9-3.1 9.7-.2 9.7 4.7V400c0 26.5-21.5 48-48 48H48c-26.5 0-48-21.5-48-48V195.6c0-5 5.7-7.8 9.7-4.7 22.4 17.4 52.1 39.5 154.1 113.6 21.1 15.4 56.7 47.8 92.2 47.6 35.7 3 72-32.8 92.3-47.6 102-74.1 131.6 96.3 154-113.7zM256 320c23.2.4 56.6-29.2 73.4-41.4 132.7-96.3 142.8-104.7 173.4-128.7 5.8-4.5 9.2-11.5 9.2-18.9v-19c0-26.5-21.5-48-48-48H48c-21.5 0-48-21.5-48-48V190c7.4 3.4 14.3 9.2 18.9 19.4 30.6 23.9 40.7 32.4 173.4 128.7 16.8 12.2 50.2 41.8 73.4 41.4z';

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ];

exports.faEnvelope = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width = width;
exports.height = height;
exports.ligatures = ligatures;
exports.unicode = unicode;
exports.svgPathData = svgPathData;
```

```javascript
/**
 * This method returns a new empty array.
 *
 * @static
 * @memberOf _
 * @since 4.13.0
 * @category Util
 * @returns {Array} Returns the new empty array.
 * @example
 *
 * var arrays = _.times(2, _.stubArray);
 *
 * console.log(arrays);
 * // => [[], []]
 *
 * console.log(arrays[0] === arrays[1]);
 * // => false
 */
function stubArray() {
  return [];
}

module.exports = stubArray;
```

```javascript
var baseIsArguments = require('./_baseIsArguments'),
    isObjectLike = require('./isObjectLike');

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Used to check objects for own properties. */
var hasOwnProperty = objectProto.hasOwnProperty;

/** Built-in value references. */
var propertyIsEnumerable = objectProto.propertyIsEnumerable;

/**
 * Checks if `value` is likely an `arguments` object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is an `arguments` object,
 * else `false`.
 * @example
 *
 * var args = _.isArguments(function() { return arguments; }());
 *
 * console.log(_.isArguments(args));
 * // => true
 *
 * var args = [1, 2, 3];
 *
 * console.log(_.isArguments(args));
 * // => false
 */
var isArguments = baseIsArguments(function() { return arguments; }()) ? baseIsArguments : function(value) {
  return isObjectLike(value) && hasOwnProperty.call(value, 'callee') && !propertyIsEnumerable.call(value, 'callee');
};

module.exports = isArguments;
```

```javascript
var Array = Array.prototype;
var classCallCheck = function (instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError('Cannot call a class as a function');
  }
};

module.exports = function (done, value) {
  return { value: value, done: !!done };
};
```

```javascript
var MapCache = require('./_MapCache'),
    setCacheAdd = require('./_setCacheAdd'),
    setCacheHas = require('./_setCacheHas');

/**
 * Creates a new Map cache object to store unique values.
 *
 * @private
 * @constructor
 * @param {Array} values The values to cache.
 */
function SetCache(values) {
  var index = -1,
      length = values == null ? 0 : values.length;

  this.__data__ = new MapCache;
  while (length--) {
    this.add(values[index]);
  }
}

// Add methods to `SetCache`.
SetCache.prototype.add = function (value) {
  this.__data__.set(value, { value: value, done: false });
};

module.exports = SetCache;
```

```javascript
/**
 * The base implementation of `_.sortBy` which uses `comparer` to define
 * the sort order of `array` and replaces criteria objects with their corresponding
 * property values.
 *
 * @private
 * @param {Array} array The array to sort.
 * @param {Function} comparer The function to define sort order.
 * @returns {Array} Returns `array`.
 */
function baseSortBy(array, comparer) {
  var length = array.length;

  array.sort(comparer);
  while (length--) {
    array[length] = array[length].value;
  }
  return array;
}

module.exports = baseSortBy;
```

```javascript
export default function _classCallCheck(instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError("Cannot call a class as a function");
  }
}
```

```javascript
var MapCache = require('./_MapCache'),
    setCacheAdd = require('./_setCacheAdd'),
    setCacheHas = require('./_setCacheHas');

/**
 * Creates an array cache object to store unique values.
 */
var MapCache = require('./_MapCache'),
    setCacheAdd = require('./_setCacheAdd'),
    setCacheHas = require('./_setCacheHas');
```

```javascript
/**
 * Used in Crosswork Change Automation and Health Insight 4.3.0 1137
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 */
```

SetCache.prototype.push = setCacheAdd;
SetCache.prototype.has = setCacheHas;

module.exports = SetCache;

/**
 * Checks if `value` is in the array cache.
 *
 * @private
 * @param {Function} func The function to convert.
 * @param {Array} sourceCache The source cache.
 * @returns {boolean} Returns `true` if `value` is found, else `false`.
 */
function setCacheHas(value) {
  return this.__data__.has(value);
}

module.exports = setCacheHas;

/**
 * Creates an array of values by running each element in `collection` thru `iteratee`.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} [iteratee=_.identity] The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 */
function map(collection, iteratee) {
  var func = isArray(collection) ? arrayMap : baseMap;
  return func(collection, baseIteratee(iteratee, 3));
}

module.exports = map;

/* globals __core-js_shared__, _root, _baseIteratee */

function require(mod) {
  return mod.default || modExports;
}

function redefine(target, src, safe) {
  for (var key in src) {
    if (!safe) {
      target[key] = src[key];
    } else {
      redefine(target, key, src[key], safe);
    }
  }
}

function toSource(func) {
  return funcToString.call(func);
}

var module = require('./module');

module.exports = function (target, src, safe) {
  redefine(target, src, safe);
  return target;
};

/* global module */

var require = module.exports;

function setCacheAdd(value) {
  this.__data__.set(value, value);
}

module.exports = setCacheAdd;

function setCacheHas(value) {
  return this.__data__.has(value);
}

module.exports = setCacheHas;

function toSource(func) {
  return funcToString.call(func);
}

var module = require('./module');

module.exports = function (target, src, safe) {
  redefine(target, src, safe);
  return target;
};

/* global module */

var require = module.exports;
var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet =
    require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet');

/**
 * Creates a hash object.
 *
 * @private
 * @constructor
 * @param {Array} [entries] The key-value pairs to cache.
 */
function Hash(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to 'Hash'.
Hash.prototype.clear = hashClear;
Hash.prototype['delete'] = hashDelete;
Hash.prototype.get = hashGet;
Hash.prototype.has = hashHas;
Hash.prototype.set = hashSet;

module.exports = Hash;

var castPath = require('./_castPath'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray'),
    isIndex = require('./_isIndex'),
    isLength = require('./isLength'),
    toKey = require('./_toKey');

/**
 * Checks if 'path' exists on 'object'.
 * @param {Object} object The object to query keys on.
 * @param {Array|string} path The array or string to use as the path.
 * @returns {boolean} Returns `true` if 'path' exists, else `false`.
 */
function hasPath(object, path, hasFunc) {
  path = castPath(path, object);
  var index = -1,
      length = path.length,
      result = false;
  while (++index < length) {
    var key = toKey(path[index]);
    if (!(result = object != null && hasFunc(object, key))) {
      break;
    }
    object = object[key];
  }
  if (result || ++index != length) {
    return result;
  }
  return isLength(object.length) && isIndex(key, object.length) &&
    (isArray(object) || isArguments(object));
}

module.exports = hasPath;

var isArray = require('./isArray'),
    isKey = require('./_isKey'),
    stringToPath = require('./_stringToPath'),
    toString = require('./toString');

/**
 * Casts `value` to a path array if it's not one.
 *
 * @private
 * @param {*} value The value to inspect.
 * @param {Object} [object] The object to query keys on.
 * @returns {Array} Returns the cast property path array.
 */
function castPath(value, object) {
  if (isArray(value)) {
    return value;
  }
  return isKey(value, object) ? [value] : stringToPath(toString(value));
}

module.exports = castPath;

var MapCache = require('./_MapCache');

/** Error message constants. */
var FUNC_ERROR_TEXT = 'Expected a function';

/**
 * Creates a function that memoizes the result of `func`. If `resolver` is
 * provided, it determines the cache key for storing the result based on the
 * arguments provided to the memoized function. By default, the first
 * argument provided to the memoized function is used as the map cache key.
 * The `func` is invoked with the `this` binding of the memoized
 * function.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Function
 * @param {Function} func The function to have its output memoized.
 * @param {Function} [resolver] The function to resolve the cache key.
 * @returns {Function} Returns the new memoized function.
 * @example
 *
 * var object = { 'a': 1, 'b': 2 };
 * var value = _.memoize((object, key) => key);
 * value(object, 'a');
 * // => 'a'
 * value(object, 'b');
 * // => 'b'
 * object.a = 2;
 * value(object, 'a');
 * // => 'b'
 */
function memoize(func, resolver) {
  if (typeof func != 'function' || (resolver != null && typeof resolver != 'function')) {
    throw new TypeError(FUNC_ERROR_TEXT);
  }
  var memoized = function() {
    var args = arguments,
        key = resolver ? resolver.apply(this, args) : args[0],
        cache = memoized.cache;
    if (cache.has(key)) {
      return cache.get(key);
    }
    var result = func.apply(this, args);
    memoized.cache = cache.set(key, result) || cache;
    return result;
  };
  memoized.cache = new MapCache;
  return memoized;
}

// Expose MapCache.
memoize.Cache = MapCache;
module.exports = memoize;

if (typeof module != 'undefined' && typeof module.exports != 'undefined') {
  module.exports = memoize;
}

var strict

Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fas';
var iconName = 'times';
var width = 352;
var height = 512;
var ligatures = [];
var unicode = 'f00d';
var svgPathData = 'M242.72 256l100.07-100.07c12.28-12.28 12.28-32.19 0-44.48l-22.24-22.24c-12.28-12.28-32.19-12.28-44.48'}

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new ListCache;
this.size = 0;
}

module.exports = stackClear;

/**!
 * @fileOverview Kickass library to
 * create and place poppers near their reference elements.
 * @version 1.14.5
 * @license
 * Copyright (c) 2016
 * Federico Zivolo and contributors
 * Permission is hereby granted, free of charge, to any person obtaining a
 * copy of this software and associated documentation files (the "Software"),
 * to deal in the Software without
 * restriction, including without limitation the rights to use, copy, modify,
 * merge, publish, distribute, sublicense, and/or sell copies of the Software,
 * to permit persons to whom the Software is furnished to do so, subject
 * to the following conditions:
 * The above copyright notice and this permission notice shall be included in all
 * copies or substantial portions of the Software.
 * THE SOFTWARE IS PROVIDED "AS IS", WITHOUT
 * WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE
 * WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
 * NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE
 * FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
 * TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
 * THE USE OR OTHER DEALINGS IN THE SOFTWARE.
 */

var isBrowser = typeof window !== 'undefined' && typeof document !== 'undefined';

var longerTimeoutBrowsers = ['Edge', 'Trident', 'Firefox'];
var

function microtaskDebounce(fn) {
  var called = false;
  return function () {
    if (called) {
      return;
    }
    called = true;
    window.Promise.resolve().then(function () {
      return function () {
        called = false;
        fn();
      };
    });
  };
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
        fn();
      }, timeoutDuration);
    }
  };
}

var supportsMicroTasks = isBrowser && window.Promise;

/**
* Create a debounced version of a
* method, that's asynchronously deferred
* but called in the minimum time possible.
* @method
* @memberof Popper.Utils
* @argument {Function} fn
* @returns {Function}
*/
var debounce = supportsMicroTasks ? microtaskDebounce : taskDebounce;

/**
 * Check if the given variable is a function
 * @method
 * @memberof Popper.Utils
 * @argument {Any} functionToCheck - variable to check
 * @returns {Boolean} answer to: is a function?
 */
function isFunction(functionToCheck) {
  var getType = {};
  return functionToCheck && getType.toString.call(functionToCheck) === '

* @method
* @memberof Popper.Utils
* @argument {String} property
*/
function getStyleComputedProperty(element, property) {
  if (element.nodeType !== 1) {
    return 
  };

function getParentNode(element) {
  if (element.nodeName === 'HTML') {
    return element;
  }
  return element.parentNode || element.host;
}

/**
 * Returns the scrolling parent of the given element
 * @method
* @memberof Popper.Utils
* @argument {Element} element
* @returns {Element} scroll parent
*/
function getScrollParent(element) {
  // Return body, 'getScroll' will take care to get the correct 'scrollTop' from it
  if (element) {
    return element.ownerDocument.body;
  }
  switch (element.nodeName) {
    case 'HTML':
      case 'BODY':
        return element.ownerDocument.body;
  }
  // Firefox wants us to check `-x` and `-y` variations as well
  var _getStyleComputedProp = getStyleComputedProperty(element),
      overflow = _getStyleComputedProp.overflow,
      overflowX = _getStyleComputedProp.overflowX,
      overflowY = _getStyleComputedProp.overflowY;
  if (!(/(auto|scroll|overlay)/.test(overflow + overflowY + overflowX))) {
    return element.ownerDocument.body;
  }
  switch (element.nodeName) {
    case 'HTML':
      return element.ownerDocument.body;
    case 'BODY':
      return element.parentNode;
    default:
      return element.ownerDocument.body;
  }
  // Firefox wants us to check `-x` and `-y` variations as well
  var _getStyleComputedProp = getStyleComputedProperty(element),
      overflow = _getStyleComputedProp.overflow,
      overflowX = _getStyleComputedProp.overflowX,
      overflowY = _getStyleComputedProp.overflowY;
  if (!(/(auto|scroll|overlay)/.test(overflow + overflowY + overflowX))) {
    return element.ownerDocument.body;
  }
  return element.ownerDocument.body;
};

// Internet Explorer 11
var isIE11 = isBrowser && IM.SIE11;

// MSIE 10
var isMSIE10 = isBrowser && MSIE10;

// MSIE 9
var isMSIE9 = isBrowser && MSIE9;

// Browser is Internet Explorer
var isIE = isIE11 || isMSIE10 || isMSIE9;

if (version === 11) {
  return;
* Result of `getStyleComputedProperty` on the given element

```javascript
(function
  /**
   * Given element offsets, generate an output similar to getBoundingClientRect
   * @method
   * @memberof Popper.Utils
   * @argument {Object} offsets
   * @returns {Object} ClientRect like output
   */
  function getClientRect(offsets) {
    return _extends({}, offsets, {
      right: offsets.left + offsets.width,
      bottom: offsets.top + offsets.height
    });
  }

  /**
   * Get bounding client rect of given element
   * @method
   * @memberof Popper.Utils
   * @param {HTMLElement} element
   * @return {Object} client rect
   */
  function getBoundingClientRect(element) {
    var rect = {};

    // IE10 10 FIX: Please, don't ask, the element isn't
    // considered in DOM in some circumstances...
    // This isn't reproducible in IE10 compatibility
    // mode of IE11
    try {
      if (isIE(10)) {
        rect = element.getBoundingClientRect();
        var scrollTop = getScroll(element, 'top');
        var scrollLeft = getScroll(element, 'left');
        rect.top += scrollTop;
        rect.left += scrollLeft;
        rect.bottom += scrollTop;
        rect.right += scrollLeft;
      } else {
        rect = element.getBoundingClientRect();
      }
    } catch (e) {}

    var result = {
      left: rect.left,
      top: rect.top,
      width: rect.right - rect.left,
      height: rect.bottom - rect.top
    };

    // subtract scrollbar size from sizes
    var sizes = element.nodeName === 'HTML' ? getWindowSizes(element.ownerDocument) : {};
    var width = sizes.width || element.clientWidth || rect.right - rect.left;
    var height = sizes.height || element.clientHeight || rect.bottom - rect.top;
    var vertScrollbar = element.offsetHeight - width;
    var horizScrollbar = element.offsetWidth - height;

    // if an hypothetical scrollbar is detected, we must be sure it's not a `border` in
    // we make this check conditional for performance reasons if (horizScrollbar || vertScrollbar) {
      var styles = getStyleComputedProperty(element);
      var horizScrollbar = getBordersSize(styles, 'x');
      var vertScrollbar = getBordersSize(styles, 'y');
      var result = {
        width: horizScrollbar + vertScrollbar,
        height: horizScrollbar + vertScrollbar
      };
      return result;
    }
    var result = {
      width: rect.right - rect.left,
      height: rect.bottom - rect.top
    };
    return result;
  }
```

---

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1144
0);
  parentRect.left = Math.max(parentRect.left, 0);
}
var offsets = getClientRect({
  top: childrenRect.top - parentRect.top - borderTopWidth,
  left: childrenRect.left - parentRect.left - borderLeftWidth,
  width: childrenRect.width,
  height: childrenRect.height
 });

// Subtract margins of documentElement in case it's being used as parent
// we do this only on HTML because it's the only element that behaves
differently when margins are applied to it. The margins are included in
// the box of the documentElement, in the other cases not.
if (!isIE10 && isHTML) {
  var marginTop = parseFloat(styles.marginTop, 10);
  var marginLeft = parseFloat(styles.marginLeft, 10);
}

// offsets.top -= borderTopWidth - marginTop;
// offsets.bottom -= borderTopWidth - marginTop;
// offsets.left -= borderLeftWidth - marginLeft;
// offsets.right -= borderLeftWidth - marginLeft;
// Attach marginTop and marginLeft because in some circumstances we may need them
offsets.marginTop = marginTop;
offsets.marginLeft = marginLeft;

if (isIE10 && !fixedPosition ? parent.contains(scrollParent) : parent ===
scrollParent && scrollParent.nodeName !== 'BODY') {
  offsets = includeScroll(offsets, parent);
}

return offsets;
}

function includeScroll(offsets, parent) {
  offsets = offsets || {};
  offsets.top -= borderTopWidth - parent.offsetTop - borderTopWidth;
  offsets.bottom -= borderTopWidth - parent.offsetTop - borderTopWidth;
  offsets.left -= borderLeftWidth - parent.offsetLeft - borderLeftWidth;
  offsets.right -= borderLeftWidth - parent.offsetLeft - borderLeftWidth;

  // Attach marginTop and marginLeft because in some circumstances we may need them
  offsets.marginTop = getStyleComputedProperty(parent, 'marginTop');
  offsets.marginLeft = getStyleComputedProperty(parent, 'marginLeft');

  return offsets;
}

function getViewportOffsetRectRelativeToArbitraryNode(element, { excludeScroll }) {
  var returnOffset = getOffsetRectRelativeToArbitraryNode(element, html);
  var scrollTop = !excludeScroll ? getScroll(html) : 0;
  var scrollLeft = !excludeScroll ? getScroll(html, 'left') : 0;

  return {
    top: scrollTop - returnOffset.top + returnOffset.marginTop,
    left: scrollLeft - returnOffset.left + returnOffset.marginLeft,
    width: html.clientWidth,
    height: html.clientHeight
  };
}

/**
 * Check if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {Element} customContainer
 * @returns {Boolean} answer to 'isFixed?'
 */

function isFixed(element) {
  var nodeName = element.nodeName;
  if (nodeName === 'BODY' || nodeName === 'HTML') {
    return false;
  }
  if (getStyleComputedProperty(element, 'position') === 'fixed') {
    return true;
  }
  return isFixed(getParentNode(element));
}

function getFixedPositionOffsetParent(element) {
  // This check is needed to avoid errors in case one of the elements isn't
defined for any reason
  if (!element || !element.parentElement || isIE()) {
    return document.documentElement;
  }
  var el = element.parentElement;
  while (el && getStyleComputedProperty(el, 'transform') !== 'none') {
    el = el.parentElement;
  }
  return el || document.documentElement;
}

/**
 * Computed the boundaries limits and return them
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} popper
 * @param {HTMLElement} reference
 * @param {number} padding
 * @param {HTMLElement} boundariesElement - Element used to define the boundaries
 * @param {Boolean} fixedPosition - Is in fixed position mode
 * @returns {Object} Coordinates of the boundaries
 */

function getBoundaries(popper, reference, padding, boundariesElement, fixedPosition) {

  // NOTE: 1 DOM access here
  var boundaries = { top: 0, left: 0, width: 0, height: 0 };

  if (fixedPosition) {
    boundaries = getBoundaries(popper, reference, padding, boundariesElement, false);
  } else {
    // Handle other cases based on DOM element used as boundaries
    var boundariesElementNode = void 0;
    if (boundariesElementNode) {
      boundaries.top = 0;
      boundaries.left = 0;
      boundaries.width = 0;
      boundaries.height = 0;
    } else {
      boundaries.top = 0;
      boundaries.left = 0;
      boundaries.width = 0;
      boundaries.height = 0;
    }
  }

  return boundaries;
}
getWindowSizes.height, width = _getWindowSizes.width; 

boundaries.top += offsets.top - offsets.marginTop;
boundaries.bottom = height + offsets.top;
boundaries.left += offsets.left - offsets.marginLeft;
boundaries.right = width + offsets.left;
}

else {
  boundaries.top += offsets.top - offsets.marginTop;
  boundaries.bottom = height + offsets.top;
  boundaries.left += offsets.left - offsets.marginLeft;
  boundaries.right = width + offsets.left;
}

} else {
  // for all the other DOM elements,
  // this one is good
  boundaries = offsets;
}

// Add paddings
padding = padding || 0;
var isPaddingNumber = typeof padding === 'number';
boundaries.left += isPaddingNumber ? padding : padding.left || 0;
boundaries.top += isPaddingNumber ? padding : padding.top || 0;
boundaries.right -= isPaddingNumber ? padding : padding.right || 0;
boundaries.bottom = height + isPaddingNumber ? padding : padding.bottom || 0;

return {
  top: boundaries.top,
  right: boundaries.right - offsets.marginRight,
  bottom: boundaries.bottom - offsets.marginBottom,
  left: boundaries.left - offsets.marginLeft,
};

isPaddingNumber = typeof padding === 'number';
boundaries.left += isPaddingNumber ? padding : padding.left || 0;
boundaries.top += isPaddingNumber ? padding : padding.top || 0;
boundaries.right -= isPaddingNumber ? padding : padding.right || 0;
boundaries.bottom -= isPaddingNumber ? padding : padding.bottom || 0;

return boundaries;
}

function getArea(_ref) {
  var width = _ref.width,
      height = _ref.height;

  return width * height;
}

/**
 * Utility used to transform the `auto` placement to the placement with more
 * available space.
 * @method
 * @memberof Popper.Utils
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeAutoPlacement(placement, refRect, popper, reference, boundariesElement) {

  if (placement.indexOf('auto') === -1) {
    return placement;
  }

  var boundaries = getBoundaries(popper, reference, padding, boundariesElement);

  var rects = {
    top: {
      width: boundaries.width,
      height: refRect.top - boundaries.top
    },
    right: {
      width: boundaries.right - refRect.right,
      height: boundaries.height
    },
    bottom: {
      width: boundaries.width,
      height: boundaries.bottom - refRect.bottom
    },
    left: {
      width: boundaries.left - refRect.left,
      height: boundaries.height
    }
  };

  var sortedAreas = Object.keys(rects).map(function (key) {
    return _extends({
      key: key
    }, rects[key], {
      area: getArea(rects[key])
    });
  }).sort(function (a, b) {
    return b.area - a.area;
  });

  var filteredAreas = sortedAreas.filter(function (_ref2) {
    var width = _ref2.width,
        height = _ref2.height;
    return width >= popper.clientWidth && height >= popper.clientHeight;
  });

  var computedPlacement = filteredAreas.length > 0 ? filteredAreas[0].key : sortedAreas[0].key;

  var variation = placement.split('-')[1];

  return computedPlacement + (variation ? '-' + variation : '');
}

/**
 * Get offsets to the reference element
 * @method
 * @memberof Popper.Utils
 * @argument {Object} state
 * @argument {Element} popper - the popper element
 * @argument {Element} reference - the reference element (the popper will be relative to this)
 * @returns {Object} An object containing the offsets which will be applied to the popper
 */
function getReferenceOffsets(state, popper, reference) {

  var commonOffsetParent = fixedPosition ? getFixedPositionOffsetParent(popper) : findCommonOffsetParent(popper, reference);
  return getOffsetRectRelativeToArbitraryNode(reference, commonOffsetParent, fixedPosition);
}

/**
 * Get the outer sizes of the given element (offset size + margins)
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Object} object containing width and height properties
 */
function getOuterSizes(element) {
  var window = element.ownerDocument.defaultView;
  var styles = window.getComputedStyle(element);
  var x = parseFloat(styles.marginTop) + parseFloat(styles.marginBottom);
  var y = parseFloat(styles.marginLeft) + parseFloat(styles.marginRight);
  var result = {
    width: element.offsetWidth + y,
    height: element.offsetHeight + x
  }; 
  return result;
}

/**
 * Get the opposite placement of the given one
 * @method
 * @memberof Popper.Utils
 * @argument {String} placement
 * @returns {String} flipped placement
 */
function getOppositePlacement(placement) {
  var hash = { left: 'right', right: 'left', top: 'bottom', bottom: 'top' };
  return placement.replace(/left|right|top|bottom/g, function (matched) {
    return hash[matched];
  });
}

/**
 * Get offsets to the popper
 * @method
 * @memberof Popper.Utils
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function getPopperOffsets(popper, referenceOffsets, placement) {
  placement = placement.split('-')[0];

  var popperRect = getOuterSizes(popper);
  var popperOffsets = {
    top: popperRect.top - referenceOffsets.top,
    right: popperRect.right - referenceOffsets.right,
    bottom: popperRect.bottom - referenceOffsets.bottom,
    left: popperRect.left - referenceOffsets.left,
  };

  return popperOffsets;
}
width: popperRect.width;
height: popperRect.height;
// depending by the popper placement we have to compute its offsets slightly differently
var isHoriz = ['right', 'left'].indexOf(placement) !== -1;
var mainSide = isHoriz ? 'top' : 'left';
var secondarySide = isHoriz ? 'left' : 'top';
var measurement = isHoriz ? 'height' : 'width';
var secondaryMeasurement = !isHoriz ? 'height' : 'width';

if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
}

// depending by the popper placement we have to compute its offsets slightly differently
var isHoriz = ['right', 'left'].indexOf(placement) !== -1;
var mainSide = isHoriz ? 'top' : 'left';
var secondarySide = isHoriz ? 'left' : 'top';
var measurement = isHoriz ? 'height' : 'width';
var secondaryMeasurement = !isHoriz ? 'height' : 'width';

if (placement === secondarySide) {
} else {
  popperOffsets[secondarySide] = referenceOffsets[getOppositePlacement(secondarySide)];
}

return popperOffsets;

/**
 * Mimics the `find` method of Array
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument prop
 * @argument value
 * @returns index or -1
 */
function find(arr, check) {
  // use native find if supported
  if (Array.prototype.find) {
    return arr.find(check);
  }

  // use `filter` to obtain the same behavior of `find`
  return arr.filter(check)[0];
}

/**
 * Return the index of the matching object
 * @method
 * @memberof Popper.Utils
 * @argument {Array} arr
 * @argument prop
 * @argument value
 * @returns index or -1
 */
function findIndex(arr, prop, value) {
  // use native findIndex if supported
  if (Array.prototype.findIndex) {
    return arr.findIndex(function (cur) {
      return cur[prop] === value;
    });
  }

  // use `find` + `indexOf` if `findIndex` isn't supported
  var match = find(arr, function (obj) {
    return obj[prop] === value;
  });
  return arr.indexOf(match);
}

/**
 * Loop trough the list of modifiers and run them in order,
 * each of them will then edit the data object.
 * @method
 * @memberof Popper.Utils
 * @param {Object} data
 * @param {Array} modifiers
 * @param {String} ends - Optional modifier name used as stopper
 * @returns {Object}
 */
function runModifiers(modifiers, data, ends) {
  var modifiersToRun = ends === undefined ? modifiers : modifiers.slice(0, findIndex(modifiers, 'name', ends));

  modifiersToRun.forEach(function (modifier) {
    if (modifier['function']) {
      console.warn('`modifier.function` is deprecated, use `modifier.fn`!');
    }
    var fn = modifier['function'] || modifier.fn; // eslint-disable-line dot-notation
    if (modifier.enabled && isFunction(fn)) {
      // Add properties to offsets to make them a complete clientRect object
      // we do this before each modifier to make sure the previous one doesn't mess with these values
      data.offsets.popper = getClientRect(data.offsets.popper);
      data.offsets.reference = getClientRect(data.offsets.reference);
      data.placement = computeAutoPlacement(this.options.placement, data.offsets.reference, this.popper, this.reference, this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);
      data.offsets.popper.position = this.options.positionFixed ? 'fixed' : 'absolute';
      runModifier(modifier, data, data.offsets.popper);
      // compute auto placement, store placement inside the data object,
      // modifiers will be able to edit `placement` if needed
      // and refer to originalPlacement to know the original value of data.placement =
      // computeAutoPlacement(this.options.placement, data.offsets.reference, this.popper, this.reference,
      // this.options.modifiers.flip.boundariesElement, this.options.modifiers.flip.padding);
      // store the computed placement inside `originalPlacement`
      data.originalPlacement = data.placement;
      data.positionFixed = this.options.positionFixed;
      computePopperOffsets(data.offsets.popper = getPopperOffsets(this.popper, data.offsets.reference, data.offsets.popper.position = this.options.positionFixed ? 'fixed' : 'absolute';
      runModifier(modifier, data, data.offsets.popper);
      // the first `update` will call `onCreate` callback
      // the other ones will call `onUpdate` callback if (!this.state.isCreated) {
      this.state.isCreated = true;
      this.options.onCreate(data); // else
      this.options.onUpdate(data);
  });
}

return data;

/**
 * Helper used to know if the given modifier is enabled.
 * @method
 * @memberof Popper.Utils
 * @return {Boolean}
 */
function isModifierEnabled(modifiers, modifierName) {
  return modifiers.some(function (_ref) {
    var name = _ref.name,
        enabled = _ref.enabled;
    return name === modifierName && enabled;
  });
}

var popper = new Popper(this.popper, this.reference, this.options);
/*!
 * @namespace Popper
 * @property {Function} getSupportedPropertyName
 * @property {Function} destroy
 * @property {Function} getWindow
 * @property {Function} attachToScrollParents
 * @property {Function} setupEventListeners
 * @property {Function} enableEventListeners
 * @property {Function} disableEventListeners
 * @property {Function} isNumeric
 * @property {Function} setStyles
 * @property {Function} setAttributes
*/

/**
 * Destroys the popper.
 * @method
 * @memberof Popper
 */
function destroy() {
  this.state.isDestroyed = true;

  // touch DOM only if `applyStyle` modifier is enabled
  if (isModifierEnabled(this.modifiers, 'applyStyle')) {
    this.popper.removeAttribute('x-placement');
  }

  this.popper.style.position = '';
  this.popper.style.top = '';
  this.popper.style.left = '';
  this.popper.style.right = '';
  this.popper.style.bottom = '';
  this.popper.style.willChange = '';

  this.popper.style[getSupportedPropertyName('transform')] = '';

  if (this.state.removeOnDestroy) {
    this.popper.parentNode.removeChild(this.popper);
  }

  return this;
}

/**
 * Get the window associated with the element
 * @argument {Element} element
 * @returns {Window}
 */
function getWindow(element) {
  var ownerDocument = element.ownerDocument;
  return ownerDocument ? ownerDocument.defaultView : window;
}

function attachToScrollParents(scrollParent, event, callback, scrollParents) {
  var isBody = scrollParent.nodeName === 'BODY';
  var target = isBody ? scrollParent.ownerDocument.defaultView : scrollParent;
  target.addEventListener(event, callback, { passive: true });

  if (!isBody) {
    attachToScrollParents(getScrollParent(target.parentNode), event, callback, scrollParents);
  }
  scrollParents.push(target);
}

/**
 * Setup needed event listeners used to update the popper position
 * @method
 * @memberof Popper.Utils
 * @private
 */
function setupEventListeners(reference, options, state, updateBound) {
  // Resize event listener on window
  state.updateBound = updateBound;
  getWindow(reference).addEventListener('resize', updateBound, {
    passive: true });

  // Scroll event listener on scroll parents
  var scrollElement = getScrollParent(reference);
  attachToScrollParents(scrollElement, 'scroll', updateBound, state.scrollParents);

  state.scrollElement = scrollElement;
  state.eventsEnabled = true;

  return state;
}

/**
 * Enable event listeners
 * @method
 * @memberof Popper
 */
function enableEventListeners() {
  if (!this.state.eventsEnabled) {
    this.state = setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
  }
}

/**
 * Disable event listeners
 * @method
 * @memberof Popper.Utils
 * @private
 */
function disableEventListeners() {
  if (this.state.eventsEnabled) {
    cancelAnimationFrame(this.scheduleUpdate);
    this.state = removeEventListeners(this.reference, this.state);
  }
}

/**
 * It will add resize/scroll events and start recalculating position of the popper element when they are triggered.
 * @method
 * @memberof Popper
 */
function resize() {
  if (this.state.eventsEnabled) {
    setupEventListeners(this.reference, this.options, this.state, this.scheduleUpdate);
    this.state.scrollElement = null;
  }

  return this;
}

/**
 * It will remove resize/scroll events and won't recalculate popper position when they are triggered. It also won't trigger `onUpdate` callback anymore.
 * @method
 * @memberof Popper
 */
function disable() {
  if (this.state.eventsEnabled) {
    cancelAnimationFrame(this.scheduleUpdate);
    this.state.eventsEnabled = false;
  }
}

/**
 * Set the style to the given popper
 * @method
 * @memberof Popper
 */
function setStyles(element, styles) {
  Object.keys(styles).forEach(function (prop) {
    var unit = '';
    // add unit if the value is numeric and is one of the following
    if (['width', 'height', 'top', 'right', 'bottom', 'left'].indexOf(prop) !== -1 && isNumeric(styles[prop])) {
      var unit = 'px';
    }
    element.style[prop] = styles[prop] + unit;
  });
}

/**
 * Set the attributes to the given popper
 * @method
 * @memberof Popper
 */
function setAttributes(element, attributes) {
  Object.keys(attributes).forEach(function (prop) {
    var value = attributes[prop];
    // Set the attributes to the given popper
    element.setAttribute(prop, value);
  });
}
setAttributes(element, attributes) {
  Object.keys(attributes).forEach(function (prop) {
    var value = attributes[prop];
    if (value !== false) {
      element.setAttribute(prop, attributes[prop]);
    } else {
      element.removeAttribute(prop);
    }
  });
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} data.styles - List of style properties - values to apply to popper element
 * @argument {Object} data.attributes - List of attribute properties - values to apply to popper element
 * @returns {Object} The same data object
 */
function applyStyle(data) {
  // any property present in `data.styles` will be applied to the popper,
  // in this way we can make the 3rd party modifiers add custom styles to it
  // Be aware, modifiers could override the properties defined in the previous
  // lines of this modifier!

  setStyles(data.instance.popper, data.styles);

  // any property present in `data.attributes` will be applied to the popper,
  // they will be set as HTML attributes of the popper element
  setAttributes(data.instance.popper,
    data.attributes);

  // if arrowElement is defined and arrowStyles has some properties
  if (data.arrowElement && Object.keys(data.arrowStyles).length) {
    setStyles(data.instance.arrowElement, data.arrowStyles);
  }

  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function computeStyle(data, options) {
  var x = options.x,
      y = options.y;
  var popper = data.offsets.popper;

  // Remove this legacy support in Popper.js v2
  var legacyGpuAccelerationOption = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'applyStyle';
  }).gpuAcceleration;
  if (legacyGpuAccelerationOption !== undefined) {
    console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported in future versions of Popper.js!');
  }
  var gpuAcceleration = legacyGpuAccelerationOption !== undefined ? legacyGpuAccelerationOption : options.gpuAcceleration;

  var offsetParent = getOffsetParent(data.instance.popper);
  var offsetParentRect = getBoundingClientRect(offsetParent);

  // Styles
  var styles = {
    position: popper.position
  };

  // Avoid blurry text by using full pixel integers.
  // For pixel-perfect positioning, top/bottom prefers rounded values,
  // while left/right prefers floored values.
  var offsetValues = {
    left: Math.floor(popper.left),
    top: Math.round(popper.top),
    bottom: Math.round(popper.bottom),
    right: Math.floor(popper.right)
  };

  var sideA = x === 'bottom' ? 'top' : x === 'top' ? 'bottom' : y === 'right' ? 'left' : y === 'left' ? 'right' : undefined;

  // if gpuAcceleration is set to 'true' and transform is supported,
  // we use `translate3d` to apply the position to the popper we'll
  // automatically use the supported prefixed version if needed
  var prefixedPropertyName = getSupportedPropertyName('transform');

  // now, let's make a step back and look at this code closely (wtf?)
  // If the content of the popper grows once it's been positioned, it
  // may happen that the popper gets misplaced because of the new content
  // overflowing its reference element
  // To avoid this problem, we provide two options (x and y), which allow
  // the consumer to define the offset origin.
  // If we position a popper on top of a reference element, we can set:
  // `x` to `top` to make the popper grow towards its top instead of its bottom.
  // when offsetParent is <html> the positioning is relative to the bottom of the screen (excluding the scrollbar)

  //
and not the bottom of the html element

    if (offsetParent.nodeName === 'HTML') {
      top = -offsetParent.clientHeight + offsets.bottom;
    } else {
      top = -offsetParentRect.height + offsets.bottom;
    }
  } else {
    top = offsets.top;
  }

  if (sideB === 'right') {
    if (offsetParent.nodeName === 'HTML') {
      left = -offsetParent.clientWidth + offsets.right;
    } else {
      left = -offsetParentRect.width + offsets.right;
    }
  } else {
    left = offsets.left;
  }

  if (gpuAcceleration && prefixedProperty) {
    styles[prefixedProperty] = 'translate3d(' + left + 'px, ' + top + 'px, 0);' + styles[sideA] = 0; styles[sideB] = 0; styles.willChange = 'transform';
  } else {
    var attributes = {
      'x-placement': data.placement
    };

    var attributes = {
      'x-placement': data.placement
    };

    // Update 'data' attributes, styles and arrowStyles
    data.attributes = _extends({}, attributes, data.attributes);
    data.styles = _extends({}, styles, data.styles);
    data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);
  }

  return data;
}

/**
 * Helper used to know if the given modifier depends from another one.
 * If it checks if the needed modifier is listed and enabled.
 */
var method

  if (!isModifierRequired(data.instance.modifiers, 'arrow', 'keepTogether')) {
    return data;
  }

  var arrowElement = options.element;

  if (typeof arrowElement === 'string') {
    arrowElement = data.instance.popper.querySelector(arrowElement);
    if (!arrowElement) {
      return data;
    }
  } else {
    if (!data.instance.popper.contains(arrowElement)) {
      console.warn('WARNING: `arrow.element` must be child of its popper node!');
      return data;
    }
  }

  var placement = data.offsets.popper;
  var reference = data.offsets.reference;
  var isVertical = ['left', 'right'].indexOf(placement) !== -1;

  var top = reference[isVertical] + reference[isVertical + 'Length'] / 2 - arrowElementSize / 2;
arrowElementSize, sideValue), 0);\n
  data.arrowElement = arrowElement;\n  data.offsets.arrow = (_data$offsets$arrow = {});\n
  defineProperty(_data$offsets$arrow, side, Math.round(sideValue));\n
  return data;\n\n/**
 * Get the opposite placement variation of the given one
 * @method
 * @memberof Popper.Utils
 * @argument {String} placement
 * @returns {String} flipped placement variation
 */
function getOppositeVariation(variation) {
  if (variation === 'end') {
    return 'start';
  } else if (variation === 'start') {
    return 'end';
  } else {
    return variation;
  }
}

/**
 * List of accepted placements to use as values of the `placement`
 * option.\n * Valid placements are:\n * - `auto`\n * - `top`\n * - `right`\n * - `bottom`\n * - `left`\n * Each placement can have a variation from this list:\n * - `start`\n * - `end`\n * Variations are interpreted easily if you think of them as the left to right\n * written languages. Horizontally (`top` and `bottom`), `start` is left and `end` is
 * is right.\n * Vertically (`left` and `right`), `start` is top and `end` is bottom.\n * Some valid examples are:\n * - `top-end` (on top of reference, right aligned)\n * - `right-start` (on right of reference, top aligned)\n * - `bottom` (on bottom, centered)\n */
var placements = ['auto', 'top', 'right', 'bottom', 'left', 'start', 'end'];

// Get rid of `auto`\n var validPlacements = placements.slice(3);

/**
 * Given an initial placement, returns all the subsequent\n * placements\n * clockwise (or counter-clockwise).\n */
function clockwise(placement) {
  var index = validPlacements.indexOf(placement);
  var arr = validPlacements.slice(index + 1).concat(validPlacements.slice(0, index));
  return arr;
}

var BEHAVIORS = {
  FLIP: 'flip',
  CLOCKWISE: 'clockwise',
  COUNTERCLOCKWISE: 'counterclockwise'
};

/**
 * The data object generated by update method\n * @memberof Modifiers
 * @argument {Object} data - The data object generated by update\n * @argument {Object} options - Modifiers configuration and options\n * @returns {Object} The data object, properly modified
 */
function flip(data, options) {
  // if `inner` modifier is enabled, we can't use the `flip` modifier\n  if (isModifierEnabled(data.instance.modifiers, 'inner')) {
    return data;
  }

  var placement = data.placement.split('-')[0];
  var placementOpposite = getOppositePlacement(placement);
  var variation = data.placement.split('-')[1] || '';

  var flipOrder = [placement, placementOpposite];

  flipOrder.forEach(function (step, index) {
    if (placement !== step || flipOrder.length === index + 1) {
      return data;
    }

    placement = data.placement.split('-')[0];
    placementOpposite = getOppositePlacement(placement);

    var popperOffsets = data.offsets.popper;
    var refOffsets = data.offsets.reference;

    if (placement === 'left') {
      return data;
    } else if (placement === 'right') {
      return data;
    } else if (placement === 'top') {
      return data;
    } else if (placement === 'bottom') {
      return data;
    } else if (variation === 'start') {
      return data;
    } else if (variation === 'end') {
      return data;
    } else {
      return data;
    }
  });

  return data;
}
[fragments.slice(0, divider).concat([fragments[divider].split(splitRegex)[0]])),
[fragments[divider].split(splitRegex)[1]].concat(fragments.slice(divider + 1))];

// Convert the values with units to absolute pixels to allow our computations
  var ops = ops.map(function (op, index) {
    // This aggregates any '+' or '-' sign that aren't considered operators
    // e.g.: 10 + +5 => [10, +, +5]
    reduce(function (a, b) {
      if (a[a.length - 1] === '+' || a[a.length - 1] === '-') return a;
      else if (mergeWithPrevious) { a[a.length - 1] += b; return a; }
      else { return a.concat(b); }
    }, []).map(function (str) {
      return toValue(str, measurement, popperOffsets, referenceOffsets);
    });

    // Loop trough the offsets arrays and execute the operations
    ops.forEach(function (op, index) {
      op.forEach(function (frag, index2) {
        if (isNumeric(frag)) {
          offsets[index] += frag * (op[index2 - 1] === '-' ? -1 : 1);
        }
      });
    });
    return offsets;
  });

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @argument {Number|String} options.offset=0
 * The offset value as described in the modifier description
 * @returns {Object} The data object, properly modified
 */
function offset(data, options) {
  var offset = options.offset;
  var placement = data.placement,
      offsets = data.offsets,
      popper = offsets.popper,
      reference = offsets.reference;

  var basePlacement = placement.split('-')[0];
  var popper = data.popper,
    reference = data.reference;

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding,
    offsetParent, data.positionFixed);

  // NOTE: DOM access here
  // restores the original style properties after the offsets have been computed
  var popperStyles = data.instance.popper.style;
  popperStyles.top = '';
  popperStyles.left = '';
  popperStyles[transformProp] = '';

  data.popper = popper;
  data.offsets.popper = popper;
  data.placement = basePlacement;
  data.offsets.reference = reference;
  data.offsets.popper = offsets;
  data.popper = popper;
  data.instance.popper = popper;
  return data;
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function preventOverflow(data, options) {
  var boundary = getOffsetParent(data.instance.popper);
  if (boundary) {
    var top = boundary.offsetTop,
        bottom = boundary.offsetTop + boundary.offsetHeight;

    data.popper = { top: top, bottom: bottom, left: boundary.offsetLeft, right: boundary.offsetLeft + boundary.offsetWidth - popper.offsetWidth, position: boundary.getBoundingClientRect() };
return data;\n\n/**\n * @function\n * @memberof Modifiers\n * @argument {Object} data - The data object generated by `update` method\n * @argument {Object} options - Modifiers configuration and options\n * @returns {Object} The data object, properly modified\n */

function shift(data) {
  var placement = data.placement;
  var basePlacement = placement.split('-')[0];
  var shiftvariation = placement.split('-')[1];

  if (shiftvariation)
    var \_data\_offsets = data.offsets,\n        reference = \_data\_offsets\_reference,\n        popper = \_data\_offsets\_popper;

  reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper;

  var \_data\_offsets = data.offsets,\n      popper = \_data\_offsets\_popper,\n      reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    reference = \_data\_offsets\_reference,\n    popper = \_data\_offsets\_popper,\n    referen...
it accepts additions and subtractions between different units.
* Note that multiplications and divisions aren't supported.
* Valid examples are: `10\n * `10\n * `10\n * `10\n * `10\n * `10 + 10\n
* `10 + 5\n * `3\n * `-10px + 5\n * `-6\n
* `**NB**: If you desire to apply offsets to your poppers in a way that may make them overlap

* > with their reference element, unfortunately, you will have to disable the `flip` modifier.

* > You can read more on this at this [issue](https://github.com/FezVrasta/popper.js/issues/373).

* @memberof modifiers
* @inner

* fn: offset,

* priority= [

* `left`,

* `right`,

* `top`,

* `bottom`]

* Amount of pixel used to define a minimum distance between the boundaries

* and the popper. This makes sure the popper always has a little padding

* between the edges of its container

* padding: 5\n
* * @prop {number} order= 600 - Index used to define the order of execution

* @prop {String|Array} boundariesElement= `scrollParent`

* Boundaries used by the modifier. Can be `scrollParent`, `window`,

* `viewport` or any DOM element.

* @prop {String|HTMLElement} element= `[x-arrow]`

* Selector or node used as arrow

* element: `[x-arrow]`

* * Modifier used to make sure the reference and its popper stay near each other

* without leaving any gap between the two.

Especially useful when the arrow is enabled and you want to ensure that it points to its reference element.

* It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.

* @memberof modifiers
* @inner

* keepTogether:

* fn: offset,

* **

* @prop {Number|String} offset=0

* The offset value as described in the modifier description

* offset: 0\n
* Modifies and remains stuck to the edge of the reference.

* It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.

* @memberof modifiers
* @inner

* preventOverflow:

* fn: offset,

* **

* @prop {Number|String} offset=0

* Modifies and remains stuck to the edge of the reference.

* It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.

* @memberof modifiers
* @inner

* keepTogether:

* fn: offset,

* **

* @prop {Number|String} offset=0

* The offset value as described in the modifier description

* offset: 0\n
* Modifies and remains stuck to the edge of the reference.

* It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.

* @memberof modifiers
* @inner

* keepTogether:

* fn: offset,

* **

* @prop {Number|String} offset=0

* The offset value as described in the modifier description

* offset: 0\n
* Modifies and remains stuck to the edge of the reference.

* It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.

* @memberof modifiers
* @inner

* keepTogether:

* fn: offset,

* **

* @prop {Number|String} offset=0

* The offset value as described in the modifier description

* offset: 0\n
* Modifies and remains stuck to the edge of the reference.

* It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.

* @memberof modifiers
* @inner

* keepTogether:

* fn: offset,

* **

* @prop {Number|String} offset=0

* The offset value as described in the modifier description

* offset: 0\n
* Modifies and remains stuck to the edge of the reference.

* It cares only about the first axis. You can still have poppers with margin between the popper and its reference element.
The element which will define the boundaries of the popper position. The popper will never be placed outside of the defined boundaries (except if `keepTogether` is enabled). Modifiers used to make the popper flow toward the inner of the reference element. By default, when this modifier is disabled, the popper will be placed outside the reference element. Whether the modifier is enabled or not. Modifier used to hide the popper when its reference element is outside of the popper boundaries. It will set a `x-out-of-boundaries` attribute which can be used to hide with a CSS selector the popper when its reference is out of boundaries. Requires the `preventOverflow` modifier before it in order to work. Whether the modifier is enabled or not. Modifier used to compute the style that will be applied to the popper element to get properly positioned. Note that this modifier will not touch the DOM, it just prepares the styles so that `applyStyle` modifier can apply it. This separation is useful in case you need to replace `applyStyle` with a custom implementation. This modifier has `850` as `order` value to maintain backward compatibility with previous versions of Popper.js. Expect the modifiers ordering method to change in future major versions of the library. Whether the modifier is enabled or not. Whether the modifier is enabled. Whether the modifier is enabled. Whether the modifier is enabled. Whether the modifier is enabled. Whether the modifier is enabled. Whether the modifier is enabled.

The `dataObject` is an object containing all the information used by Popper.js. This object is passed to modifiers and to the `onCreate` and `onUpdate` callbacks.

```javascript
5, //**
 * @prop {String|HTMLElement} boundariesElement='viewport'
 * The element which will define the boundaries of the popper position.
 * The popper will never be placed outside of the defined boundaries
 * (except if `keepTogether` is enabled)
 */
/**
 * @prop {Object} inner
 * inner: 
 */
/**
 * @prop {Object} boundariesElement
 */
/**
 * @prop {Object} inner
 */
/**
 * @prop {Boolean} enabled=false
 */
/**
 * @prop {Number} order=700
 */
/**
 * @prop {Boolean} enabled=false
 */
/**
 * @prop {Object} inner
 */
/**
 * @prop {Number} order=700
 */
/**
 * @prop {Boolean} enabled=false
 */
/**
 * @prop {Object} boundariesElement
 */
/**
 * @prop {Object} inner
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Number} order=800
 */
/**
 * @prop {Object} boundariesElement
 */
/**
 * @prop {Object} inner
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Number} order=800
 */
/**
 * @prop {Object} boundariesElement
 */
/**
 * @prop {Object} inner
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Number} order=900
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Function} onLoad
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Number} order=900
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Function} onLoad
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Number} order=900
 */
/**
 * @prop {Boolean} enabled=true
 */
/**
 * @prop {Function} onLoad
 */
/**
 * @prop {Number} order=900
 */
```
data.offsets The measurements of popper, reference and arrow elements

@property {Object} data.offsets.popper `top`, `left`, `width`, `height` values
@property {Object} data.offsets.reference `top`, `left`, `width`, `height`

values
@property {Object} data.offsets.arrow `top` and `left` offsets, only one of them will be different from 0

@type {Object} @static
@memberof Popper

/**
 * Default options provided to Popper.js constructor.
 * These can be overridden using the `options` argument of Popper.js.
 * To override an option, simply pass an object with the same `name` structure of the `options` object, as the 3rd argument. For example:

```javascript
new Popper(ref, pop, { name: modifiers: { preventOverflow: { enabled: false } } });
```

/**
 * Popper's placement.
 * @prop {Popper.placements} placement='bottom'
 */

/**
 * Set this to true if you want popper to position it self in 'fixed' mode.
 * @prop {Boolean} positionFixed=false
 */

/**
 * Whether events (resize, scroll) are initially enabled.
 * @prop {Boolean} eventsEnabled=true
 */

/**
 * Callback called when the popper is created.
 * By default, it is set to no-op.
 * @param {dataObject} data
 */

/**
 * Callback called when the popper is updated. This callback is not called on the initialization/creation of the popper, but only on subsequent updates.
 * @param {dataObject} data
 */

Popper = function () {
  /**
   * Creates a new Popper.js instance.
   * @class Popper
   * @param {HTMLElement|referenceObject} reference - The reference element used to position the popper
   * @param {HTMLElement} popper - The HTML element used as the popper
   * @param {Object} options - Your custom options to override the ones defined in [Defaults](#defaults)
   * @return {Object} instance - The generated Popper.js instance
   */

  function Popper(reference, popper) {
    var instance = this;

    classCallCheck(this, Popper);

    this.create = function () {
      return requestAnimationFrame(this.update);
    };

    this.update = debounce(this.update.bind(this));

    this.options = _extends({}, Popper.Defaults, options);

    // init state
    this.state = {
      isDestroyed: false,
      isCreated: false,
      scrollParents: []
    };

    // get reference and popper elements (allow jQuery wrappers)
    this.popper = popper && popper.jquery ? popper[0] : popper;

    this.scheduleUpdate = function () {
      return requestAnimationFrame(this.update);
    };

    // make update() debounce, so that it only runs at most once-per-tick
    this.update = debounce(this.update.bind(this));

    // setup event listeners, they will take care of update the position in specific situations
    this.update.onCreate = function () {
      return createNewPopperElement();
    };

    this.update.onUpdate = function () {
      return createNewPopperElement();
    };

    // fire the first update to position the popper in the right place
    this.update();

    var eventsEnabled = true;

    // We can't use class properties because they don't get listed in the prototype
break stuff like Sinon stubs

createClass(Popper, [{
  key: 'update',
  value: function update$$1() {
    return update.call(this);
  }
}, {
  key: 'destroy',
  value: function destroy$$1() {
    return destroy.call(this);
  }
}, {
  key: 'enableEventListeners',
  value: function enableEventListeners$$1() {
    return enableEventListeners.call(this);
  }
}, {
  key: 'disableEventListeners',
  value: function disableEventListeners$$1() {
    return disableEventListeners.call(this);
  }
}]);

return Popper;
}();

/**
 * The `referenceObject` is an object that provides an interface compatible with Popper.js
 * and lets you use it as replacement of a real DOM node.<br />
 * You can use this method to position a popper relatively to a set of coordinates in case you don't have a DOM node to use as reference.
 * You can guarantee them to follow some style. Use them at your own risk!
 * @type {Object}
 * @memberof Popper
 */

Popper.placements = placements;
Popper.Defaults = Defaults;

export default Popper;
//

sourceMappingURL=popper.js.map";"use strict";

var assign        = require('es5-ext\object\assign')
  , normalizeOpts = require('es5-ext\object\normalize-options')
  , isCallable    = require('es5-ext\object\is-callable')
  , contains      = require('es5-ext\string/#/contains')

  , d;

d = module.exports = function (dscr, value/*, options*/) {
  var c, e, w, options,
      desc;
  if ((arguments.length < 2) || (typeof dscr !== 'string')) {
    options = value;
    value = dscr;
    dscr = null;
  }
  if (dscr == null) {
    c = w = true;
    e = false;
  } else {
    c = contains.call(dscr, 'c');
    e = contains.call(dscr, 'e');
    w = contains.call(dscr, 'w');
  }
  desc = {
    value: value, configurable: c, enumerable: e, writable: w
  };

  return assign(normalizeOpts(options), desc);
};
desc;\nif ((typeof desc !== 'string')) {\n    options.set = get;\n    get = desc;\n    desc = null;\n} else if (isObject(args[3]) || \n    typeof desc !== 'object') {\n    return {\n        locale: require('./i18n')`,
    }
}

/* istanbul ignore if */
if (err) {
    console.warn(err.stack);
}

/**
 * utilities
 */

function warn (msg, err) {
    if (typeof console !== 'undefined') {
        console.warn('

/*!
 * vue-i18n v8.4.0 
 * (c) 2018 kazuya kawaguchi
 * Released under the MIT License.
 */

var toString = console.warn('

if (isPrototypeOf(Constructor) || forbiddenField !== undefined &
    forbiddenField in it)) {\n    throw TypeError(name + ': incorrect invocation!');\n} return it;\n
/* istanbul ignore if */
if (isObject(args[1]) || Array.isArray(args[1])) {
    params = args[1];
}

return {\n    locale:
```
locale, params: params }\n}\n\nfunction looseClone (obj) {\n return
JSON.parse(JSON.stringify(obj))\n}\n\nfunction remove (arr, item) {\n if (arr.length) {\n var index =
arr.indexOf(item);\n if (index > -1) {\n return arr.splice(index, 1)\n }\n }\n}\n\nvar hasOwnProperty =
Object.prototype.hasOwnProperty;\nfunction hasOwn (obj, key) {\n return hasOwnProperty.call(obj,
key)\n}\n\nfunction merge (target) {\n var arguments$1 = arguments;\n\n var output = Object(target);\n for (var i
= 1; i < arguments.length; i++) {\n var source = arguments$1[i];\n if (source !== undefined && source !== null)
{\n
var key = (void 0);\n
for (key in source) {\n
if (hasOwn(source, key)) {\n
if
(isObject(source[key])) {\n
output[key] = merge(output[key], source[key]);\n
} else {\n
output[key] = source[key];\n
}\n
}\n
}\n }\n }\n return output\n}\n\nfunction looseEqual (a, b) {\n
if (a === b) { return true }\n var isObjectA = isObject(a);\n var isObjectB = isObject(b);\n if (isObjectA &&
isObjectB) {\n try {\n
var isArrayA = Array.isArray(a);\n
var isArrayB = Array.isArray(b);\n
if
(isArrayA && isArrayB) {\n
return a.length === b.length && a.every(function (e, i) {\n
return
looseEqual(e, b[i])\n
})\n
} else if (!isArrayA && !isArrayB) {\n
var keysA = Object.keys(a);\n
var
keysB = Object.keys(b);\n
return keysA.length === keysB.length && keysA.every(function (key) {\n
return looseEqual(a[key], b[key])\n
})\n
} else {\n
/* istanbul ignore next */\n
return false\n
}\n
} catch (e) {\n
/* istanbul ignore next */\n
return false\n }\n } else if (!isObjectA && !isObjectB) {\n
return String(a) === String(b)\n } else {\n return false\n }\n}\n\nvar canUseDateTimeFormat =\n typeof Intl !==
'undefined' && typeof Intl.DateTimeFormat !== 'undefined';\n\nvar canUseNumberFormat =\n typeof Intl !==
'undefined' && typeof Intl.NumberFormat !== 'undefined';\n\n/* */\n\nfunction extend (Vue) {\n if
(!Vue.prototype.hasOwnProperty('$i18n')) {\n // $FlowFixMe\n Object.defineProperty(Vue.prototype, '$i18n',
{\n
get: function get () { return this._i18n }\n });\n }\n\n Vue.prototype.$t = function (key) {\n var values =
[], len = arguments.length - 1;\n while ( len-- > 0 ) values[ len ] = arguments[ len + 1 ];\n\n var i18n =
this.$i18n;\n return i18n._t.apply(i18n, [ key, i18n.locale, i18n._getMessages(), this ].concat( values ))\n };\n\n
Vue.prototype.$tc = function (key, choice) {\n var values = [], len = arguments.length - 2;\n while ( len-- > 0 )
values[ len ] = arguments[ len + 2 ];\n\n var i18n = this.$i18n;\n return i18n._tc.apply(i18n, [ key, i18n.locale,
i18n._getMessages(), this, choice ].concat( values ))\n };\n\n Vue.prototype.$te = function (key, locale) {\n var
i18n = this.$i18n;\n return i18n._te(key, i18n.locale, i18n._getMessages(), locale)\n };\n\n Vue.prototype.$d =
function (value) {\n var ref;\n\n var args = [], len = arguments.length - 1;\n while ( len-- > 0 ) args[ len ] =
arguments[ len + 1 ];\n return (ref = this.$i18n).d.apply(ref, [ value ].concat( args ))\n };\n\n Vue.prototype.$n =
function (value) {\n var ref;\n\n var args = [], len = arguments.length - 1;\n while ( len-- > 0 ) args[ len ] =
arguments[ len + 1 ];\n return (ref = this.$i18n).n.apply(ref, [ value ].concat( args ))\n };\n}\n\n/* */\n\nvar mixin
= {\n beforeCreate: function beforeCreate () {\n var options = this.$options;\n options.i18n = options.i18n ||
(options.__i18n ? {} : null);\n\n if (options.i18n) {\n
if (options.i18n instanceof VueI18n) {\n
// init locale
messages via custom blocks\n
if (options.__i18n) {\n
try {\n
var localeMessages = {};\n
options.__i18n.forEach(function (resource) {\n
localeMessages = merge(localeMessages,
JSON.parse(resource));\n
});\n
Object.keys(localeMessages).forEach(function (locale) {\n
options.i18n.mergeLocaleMessage(locale, localeMessages[locale]);\n
});\n
} catch (e) {\n
if
(process.env.NODE_ENV !== 'production') {\n
warn(\"Cannot parse locale messages via custom blocks.\",
e);\n
}\n
}\n
}\n
this._i18n = options.i18n;\n
this._i18nWatcher =
this._i18n.watchI18nData();\n
this._i18n.subscribeDataChanging(this);\n
this._subscribing = true;\n
}
else if (isPlainObject(options.i18n)) {\n
// component local i18n\n
if (this.$root && this.$root.$i18n &&
this.$root.$i18n instanceof VueI18n) {\n
options.i18n.root = this.$root;\n
options.i18n.formatter =
this.$root.$i18n.formatter;\n
options.i18n.fallbackLocale = this.$root.$i18n.fallbackLocale;\n
options.i18n.silentTranslationWarn = this.$root.$i18n.silentTranslationWarn;\n
}\n\n
// init locale messages
via custom blocks\n
if (options.__i18n) {\n
try {\n
var localeMessages$1 = {};\n
options.__i18n.forEach(function (resource) {\n
localeMessages$1 = merge(localeMessages$1,
JSON.parse(resource));\n
});\n
options.i18n.messages = localeMessages$1;\n
} catch (e) {\n
if (process.env.NODE_ENV !== 'production') {\n
warn(\"Cannot parse locale messages via custom

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blocks.\", e);\n
}\n
}\n
}\n\n
this._i18n = new VueI18n(options.i18n);\n
this._i18nWatcher
= this._i18n.watchI18nData();\n
this._i18n.subscribeDataChanging(this);\n
this._subscribing = true;\n\n
if (options.i18n.sync === undefined || !!options.i18n.sync) {\n
this._localeWatcher =
this.$i18n.watchLocale();\n
}\n
} else {\n
if (process.env.NODE_ENV !== 'production') {\n
warn(\"Cannot be interpreted 'i18n' option.\");\n
}\n
}\n } else if (this.$root && this.$root.$i18n &&
this.$root.$i18n instanceof VueI18n) {\n
// root i18n\n
this._i18n = this.$root.$i18n;\n
this._i18n.subscribeDataChanging(this);\n
this._subscribing = true;\n } else if (options.parent &&
options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {\n
// parent i18n\n
this._i18n =
options.parent.$i18n;\n
this._i18n.subscribeDataChanging(this);\n
this._subscribing = true;\n }\n },\n\n
beforeDestroy: function beforeDestroy () {\n if (!this._i18n) { return }\n\n if (this._subscribing) {\n
this._i18n.unsubscribeDataChanging(this);\n
delete this._subscribing;\n }\n\n if (this._i18nWatcher) {\n
this._i18nWatcher();\n
delete this._i18nWatcher;\n }\n\n if (this._localeWatcher) {\n
this._localeWatcher();\n
delete this._localeWatcher;\n }\n\n this._i18n = null;\n }\n};\n\n/* */\n\nvar
component = {\n name: 'i18n',\n functional: true,\n props: {\n tag: {\n
type: String,\n
default: 'span'\n
},\n path: {\n
type: String,\n
required: true\n },\n locale: {\n
type: String\n },\n places: {\n
type: [Array, Object]\n }\n },\n render: function render (h, ref) {\n var props = ref.props;\n var data =
ref.data;\n var children = ref.children;\n var parent = ref.parent;\n\n var i18n = parent.$i18n;\n\n children =
(children || []).filter(function (child) {\n
return child.tag || (child.text = child.text.trim())\n });\n\n if (!i18n) {\n
if (process.env.NODE_ENV !== 'production') {\n
warn('Cannot find VueI18n instance!');\n
}\n
return
children\n }\n\n var path = props.path;\n var locale = props.locale;\n\n var params = {};\n var places =
props.places || {};\n\n var hasPlaces = Array.isArray(places)\n
? places.length > 0\n
:
Object.keys(places).length > 0;\n\n var everyPlace = children.every(function (child) {\n
if (child.data &&
child.data.attrs) {\n
var place = child.data.attrs.place;\n
return (typeof place !== 'undefined') && place !==
''\n
}\n });\n\n if (process.env.NODE_ENV !== 'production' && hasPlaces && children.length > 0 &&
!everyPlace) {\n
warn('If places prop is set, all child elements must have place prop set.');\n }\n\n if
(Array.isArray(places)) {\n
places.forEach(function (el, i) {\n
params[i] = el;\n
});\n } else {\n
Object.keys(places).forEach(function (key) {\n
params[key] = places[key];\n
});\n }\n\n
children.forEach(function (child, i) {\n
var key = everyPlace\n
? (\"\" + (child.data.attrs.place))\n
: (\"\" +
i);\n
params[key] = child;\n });\n\n return h(props.tag, data, i18n.i(path, locale, params))\n }\n};\n\n/*
*/\n\nfunction bind (el, binding, vnode) {\n if (!assert(el, vnode)) { return }\n\n t(el, binding,
vnode);\n}\n\nfunction update (el, binding, vnode, oldVNode) {\n if (!assert(el, vnode)) { return }\n\n var i18n =
vnode.context.$i18n;\n if (localeEqual(el, vnode) &&\n (looseEqual(binding.value, binding.oldValue) &&\n
looseEqual(el._localeMessage, i18n.getLocaleMessage(i18n.locale)))) { return }\n\n t(el, binding,
vnode);\n}\n\nfunction unbind (el, binding, vnode, oldVNode) {\n var vm = vnode.context;\n if (!vm) {\n
warn('Vue instance does not exists in VNode context');\n return\n }\n\n el.textContent = '';\n el._vt =
undefined;\n delete el['_vt'];\n el._locale = undefined;\n delete el['_locale'];\n el._localeMessage = undefined;\n
delete el['_localeMessage'];\n}\n\nfunction assert (el, vnode) {\n var vm = vnode.context;\n if (!vm) {\n
warn('Vue instance doest not exists in VNode context');\n return false\n }\n\n if (!vm.$i18n) {\n warn('VueI18n
instance does not exists in Vue instance');\n return false\n }\n\n return true\n}\n\nfunction localeEqual (el, vnode)
{\n var vm = vnode.context;\n return el._locale === vm.$i18n.locale\n}\n\nfunction t (el, binding, vnode) {\n var
ref$1, ref$2;\n\n var value = binding.value;\n\n var ref = parseValue(value);\n var path = ref.path;\n var locale =
ref.locale;\n var args = ref.args;\n var choice = ref.choice;\n if (!path && !locale && !args) {\n warn('value type
not supported');\n return\n }\n\n if (!path) {\n warn('`path` is required in v-t directive');\n return\n }\n\n var
vm = vnode.context;\n if (choice) {\n el._vt = el.textContent = (ref$1 = vm.$i18n).tc.apply(ref$1, [ path, choice
].concat( makeParams(locale, args) ));\n } else {\n el._vt = el.textContent = (ref$2 = vm.$i18n).t.apply(ref$2, [
path ].concat( makeParams(locale, args) ));\n }\n el._locale = vm.$i18n.locale;\n el._localeMessage =
vm.$i18n.getLocaleMessage(vm.$i18n.locale);\n}\n\nfunction parseValue (value) {\n var path;\n var locale;\n var
args;\n var choice;\n\n if (typeof value === 'string') {\n path = value;\n } else if (isPlainObject(value)) {\n path

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= value.path;
locale = value.locale;
args = value.args;
choice = value.choice;

function makeParams (locale, args) {
    var params = [];
    locale && params.push(locale);
    if (args && (Array.isArray(args) || isPlainObject(args))) {
        params.push(args);
    }
    return params
}

function install (_Vue) {
    var version = (Vue.version && Number(Vue.version.split('.').slice(0, 1)[0])) || 1;
    /* istanbul ignore if */
    if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
        warn('already installed.);
        return
    }
    install.installed = true;
    Vue = _Vue;
    var value = Vue._vm;
    var params = makeParams(value.locale, value.args);
    var path = typeof value.path === 'function' ? value.path : value.path;
    var locale = typeof value.locale === 'function' ? value.locale : value.locale;
    var args = typeof value.args === 'function' ? value.args : value.args;
    var choice = typeof value.choice === 'function' ? value.choice : value.choice;
    var choice = value.choice;
    return { path: path,
        locale: locale, args: args, choice: choice }
}

function install (_Vue) {
    var version = (Vue.version && Number(Vue.version.split('.').slice(0, 1)[0])) || 1;
    /* istanbul ignore if */
    if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
        warn('already installed.);
        return
    }
    install.installed = true;
    Vue = _Vue;
    var value = Vue._vm;
    var params = makeParams(value.locale, value.args);
    var path = typeof value.path === 'function' ? value.path : value.path;
    var locale = typeof value.locale === 'function' ? value.locale : value.locale;
    var args = typeof value.args === 'function' ? value.args : value.args;
    var choice = typeof value.choice === 'function' ? value.choice : value.choice;
    var choice = value.choice;
    return { path: path,
        locale: locale, args: args, choice: choice }
}

function install (_Vue) {
    var version = (Vue.version && Number(Vue.version.split('.').slice(0, 1)[0])) || 1;
    /* istanbul ignore if */
    if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
        warn('already installed.);
        return
    }
    install.installed = true;
    Vue = _Vue;
    var value = Vue._vm;
    var params = makeParams(value.locale, value.args);
    var path = typeof value.path === 'function' ? value.path : value.path;
    var locale = typeof value.locale === 'function' ? value.locale : value.locale;
    var args = typeof value.args === 'function' ? value.args : value.args;
    var choice = typeof value.choice === 'function' ? value.choice : value.choice;
    var choice = value.choice;
    return { path: path,
        locale: locale, args: args, choice: choice }
}

function install (_Vue) {
    var version = (Vue.version && Number(Vue.version.split('.').slice(0, 1)[0])) || 1;
    /* istanbul ignore if */
    if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
        warn('already installed.);
        return
    }
    install.installed = true;
    Vue = _Vue;
    var value = Vue._vm;
    var params = makeParams(value.locale, value.args);
    var path = typeof value.path === 'function' ? value.path : value.path;
    var locale = typeof value.locale === 'function' ? value.locale : value.locale;
    var args = typeof value.args === 'function' ? value.args : value.args;
    var choice = typeof value.choice === 'function' ? value.choice : value.choice;
    var choice = value.choice;
    return { path: path,
        locale: locale, args: args, choice: choice }
}

function install (_Vue) {
    var version = (Vue.version && Number(Vue.version.split('.').slice(0, 1)[0])) || 1;
    /* istanbul ignore if */
    if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
        warn('already installed.);
        return
    }
    install.installed = true;
    Vue = _Vue;
    var value = Vue._vm;
    var params = makeParams(value.locale, value.args);
    var path = typeof value.path === 'function' ? value.path : value.path;
    var locale = typeof value.locale === 'function' ? value.locale : value.locale;
    var args = typeof value.args === 'function' ? value.args : value.args;
    var choice = typeof value.choice === 'function' ? value.choice : value.choice;
    var choice = value.choice;
    return { path: path,
        locale: locale, args: args, choice: choice }
}
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```javascript
options = options || {};

var VueI18n = function VueI18n (options) {
  return str.toLocaleLowerCase();
};

var numberFormatKeys = ['style', 'currency', 'currencyDisplay', 'useGrouping', 'minimumSignificantDigits', 'minimumIntegerDigits', 'minimumFractionDigits', 'maximumFractionDigits', 'useGrouping', 'maximumSignificantDigits', 'localeMatcher', 'formatMatcher'];

function getPathValue (obj, path) {
  if (!isObject(obj)) {
    return null
  }
  //...
users to avoid auto-installation in some cases, // this code should be placed here. See #290
} /* istanbul ignore if */ if (!Vue && typeof window !== 'undefined' && window.Vue) {
  install(window.Vue);
}

var locale = options.locale || 'en-US';
var fallbackLocale = options.fallbackLocale || 'en-US';
var messages = options.messages || {};
var dateTimeFormats = options.dateTimeFormats || {};
var numberFormats = options.numberFormats || {};
this._vm = null;
this._formatter = options.formatter || new BaseFormatter();
this._missing = options.missing || null;
this._root = options.root || null;
this._sync = options.sync === undefined ? true : !!options.sync;
this._fallbackRoot = options.fallbackRoot === undefined ? true : !!options.fallbackRoot;
this._silentTranslationWarn = options.silentTranslationWarn === undefined ? false : !!options.silentTranslationWarn;
this._dateFormats = new I18nPath();
this._dataListeners = [];
this._exist = function (message, key) {
  if (!message || !key) {
    return false
  }
  return !isNull(this._path.getPathValue(message, key))
}

this._initVM({
  locale: locale,
  fallbackLocale: fallbackLocale,
  messages: messages,
  dateTimeFormats: dateTimeFormats,
  numberFormats: numberFormats
});

var prototypeAccessors = {
  vm: { configurable: true },
  messages: { configurable: true },
  dateTimeFormats: { configurable: true },
  numberFormats: { configurable: true },
  locale: { configurable: true },
  fallbackLocale: { configurable: true },
  missing: { configurable: true },
  formatter: { configurable: true },
  silentTranslationWarn: { configurable: true }
};

VueI18n.prototype._initVM = function _initVM (data) {
  var silent = Vue.config.silent;
  Vue.config.silent = true;
  this._vm = new Vue({ data: data });
  Vue.config.silent = silent;
};

VueI18n.prototype.subscribeDataChanging = function subscribeDataChanging (vm) {
  this._dataListeners.push(vm);
};

VueI18n.prototype.unsubscribeDataChanging = function unsubscribeDataChanging (vm) {
  remove(this._dataListeners, vm);
};

VueI18n.prototype.watchI18nData = function watchI18nData () {
  var self = this;
  return this._vm.$watch('$data', function () {
    var i = this._dataListeners.length;
    while (i--) {
      Vue.nextTick(function () {
        this._dataListeners[i].$forceUpdate()
      });
    }
  }, { deep: true })
};

VueI18n.prototype._getMessages = function _getMessages () { return this._vm.messages };
VueI18n.prototype._getDateTimeFormats = function _getDateTimeFormats () { return this._vm.dateTimeFormats };
VueI18n.prototype._getNumberFormats = function _getNumberFormats () { return this._vm.numberFormats };

VueI18n.prototype._warnDefault = function _warnDefault (locale, key, result, vm, values) {
  if (!result) {
    return result
  }
  if (this._missing) {
    var missingRet = this._missing.apply(null, [locale, key, vm, values]);
    if (typeof missingRet === 'string') {
      return missingRet
    }
  } else {
    if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
      warn(
        "Cannot translate the value of keypath '" + key + "'. " +
        'Use the value of keypath as default.'
      );
    }
  }
  return key
};

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (val) {
  return !val && !isNull(this._root) && this._fallbackRoot
};

VueI18n.prototype._interpolate = function _interpolate (locale, message, key, host, interpolateMode, values, visitedLinkStack) {
  var self = this;
  return self._interpolate(locale, message, key, host, interpolateMode, values, visitedLinkStack)
};
function t (key) {
    var ref;
    var values = [], len = arguments.length - 1;
    while (len-- > 0) values[len] = arguments[len + 1];
    return (ref = this).t.apply(ref, [key, this.locale, this._getMessages(), null].concat(values));
}

VueI18n.prototype.i = function i (key, locale, values) {
    /* istanbul ignore if */
    if (!key) { return '' }

    if (typeof locale !== 'string') {
        locale = this.locale;
    }

    return this._i(key, locale, this._getMessages(), null, values);
}

VueI18n.prototype._tc = function _tc (key, _locale, messages, host, choice) {
    var ref;
    var values = [], len = arguments.length - 5;
    while (len-- > 0) values[len] = arguments[len + 5];
    if (!key) { return '' }
    if (choice === undefined) {
        choice = 1;
    }

    var predefined = { 'count': choice, 'n': choice };
    var parsedArgs = parseArgs.apply(void 0, values);
    parsedArgs.params = Object.assign(predefined, parsedArgs.params);
    values = parsedArgs.locale === null ? [parsedArgs.params] : [parsedArgs.locale, parsedArgs.params];
    return this.fetchChoice((ref = this)._t.apply(ref, [key, _locale, messages, host].concat(values)), choice);
}

VueI18n.prototype.fetchChoice = function fetchChoice (message, choice) {
    /* istanbul ignore if */
    if (!message && typeof message !== 'string') { return null }
    var choices = message.split('|');

    choice = this.getChoiceIndex(choice, choices.length);
    if (!choices[choice]) { return message }
    return choices[choice].trim()
};

/**
 * @param choice {number} a choice index given by the input to $tc:
 * `$tc('path.to.rule', choiceIndex)`
 * @param choicesLength {number} an overall amount of available choices
 * @returns a final choice index
*/
VueI18n.prototype.getChoiceIndex = function getChoiceIndex (choice, choicesLength) {
    choice = Math.abs(choice);

    if (choicesLength === 2) {
        return choice ? (choice > 1 ? 1 : 0) : 1
    }

    return choice ? Math.min(choice, 2) : 0
};

VueI18n.prototype.tc = function tc (key, choice) {
    var ref;
    var values = [], len = arguments.length - 2;
    while (len-- > 0) values[len] = arguments[len + 2];
    return (ref = this)._tc.apply(ref, [key, this.locale, this._getMessages(), null, choice].concat(values));
}

VueI18n.prototype.te = function te (key, locale) {
    return this._te(key, this.locale, this._getMessages(), locale);
}

VueI18n.prototype.getLocaleMessage = function getLocaleMessage (locale) {
    return looseClone(this._vm.messages[locale] || {})
}

VueI18n.prototype.setLocaleMessage = function setLocaleMessage (locale, message) {
    this._vm.$set(this._vm.messages, locale, message);
}

VueI18n.prototype.mergeLocaleMessage = function mergeLocaleMessage (locale, message) {
    this._vm.$set(this._vm.messages, locale, merge(this._vm.messages[locale] || {}, message));
}

VueI18n.prototype.getDateTimeFormat = function getDateTimeFormat (locale) {
    return looseClone(this._vm.dateTimeFormats[locale] || {});
}

VueI18n.prototype._localizeDateTime = function _localizeDateTime (value, locale, fallback, dateTimeFormats, key) {
    var _locale = locale;
    var formats = dateTimeFormats[_locale];

    // fallback locale
    if (isNull(formats)) { return (process.env.NODE_ENV !== 'production') ? 'production' : null }

    var date = new Intl.DateTimeFormat(_locale, formats);\n    return date.format(value);
}
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"<template>
  <div class="donate-form container-fluid py-2">
    <h2 class="text-uppercase font-weight-bold text-primary h5" v-if="!noTitle">
      {{ $t('donate-form.support') }}
    </h2>
    <!-- @slot Description of the form (below the title). -->
    <slot name="introduction">
      <p v-html="$t('donate-form.introduction')"></p>
    </slot>
    <div class="donate-form__payment mb-4">
      <form action="//checkout.fundjournalism.org/memberform" method="get" target="_blank" class="donate-form__payment__form bg-light p-4">
        <h3 class="donate-form__payment__title h5 mb-4">
          <strong>
            {{ $t('donate-form.join-heading') }}
          </strong>
        </h3>
        <div>
          <span>{{ $t('donate-form.label') }}&nbsp;</span>
          <label class="donate-form__payment__unit input-group input-group-sm d-inline-flex">
            <span class="input-group-prepend">
              <span class="input-group-text">$</span>
            </span>
            <input class="donate-form__payment__input form-control" name="amount" v-model="amount" @change="amountIsPristine = false" type="number" min="0">
          </label>
          <span class="donate-form__payment__buttons">
            <button type="button" class="btn btn-sm" :class="{ 'btn-primary': installmentPeriod === 'monthly' }">@click={{installmentPeriod = 'monthly'}}
            </button>
            <button type="button" class="btn btn-sm" :class="{ 'btn-primary': installmentPeriod === 'yearly' }" @click="installmentPeriod = 'yearly'">
            </button>
            <button type="button" class="btn btn-sm" :class="{ 'btn-primary': installmentPeriod === null }" @click="installmentPeriod = null">
            </button>
          </span>
        </div>
        <p v-if="changeThe" class="mt-2" v-html="$t('donate-form.result.sentence', { target: changeThe })"></p>
        <div class="mt-4">
          <input name="org_id" value="icij" type="hidden">
          <input name="installmentPeriod" v-model="installmentPeriod" type="hidden">
          <button type="submit" class="btn btn-primary rounded-pill text-uppercase font-weight-bold">
            {{ $t('donate-form.submit') }}
          </button>
          <a target="_blank" href="https://icij.org/donate" class="donate-form__payment__image"></a>
        </div>
      </form>
    </div>
    <div class="donate-form__insider">
      <h2 class="donate-form__insider__title">
        {{ $t('donate-form.benefits.heading') }}
      </h2>
      <p>
        {{ $t('donate-form.benefits.introduction') }}
      </p>
      <div class="donate-form__insider__modal__container row">
        <div class="col">
          <h3 class="donate-form__insider__subtitle text-uppercase font-weight-bold text-primary h5">
            {{ $t('donate-form.benefits.impacts.conversation.heading') }}
          </h3>
          <div class="Article">
            <div>
              <p class="donate-form__insider__highlight text-icij font-weight-bold">
                {{ $t('donate-form.benefits.impacts.conversation.highlight') }}
              </p>
              <ul class="donate-form__insider__list">
                <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.impacts.conversation.list')">
                  {{ t }}
                </li>
              </ul>
            </div>
          </div>
        </div>
        <div class="col">
          <h3 class="donate-form__insider__subtitle text-uppercase font-weight-bold text-primary h5">
            {{ $t('donate-form.benefits.impacts.rules.heading') }}
          </h3>
          <div class="Article">
            <div>
              <p class="donate-form__insider__highlight text-icij font-weight-bold">
                {{ $t('donate-form.benefits.impacts.rules.highlight') }}
              </p>
              <ul class="donate-form__insider__list">
                <li class="donate-form__insider__list-item" v-for="t in $t('donate-form.benefits.impacts.rules.list')">
                  {{ t }}
                </li>
              </ul>
            </div>
          </div>
        </div>
      </div>
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  </div>
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resolve(self, value):

  function(reason) {
    var done = false;
    if (done) return;
    reject(self, reason);
  }
}

Promise.prototype['catch'] = function(onRejected) {
  return this.then(null, onRejected);
};

Promise.prototype.then = function(onFulfilled, onRejected) {
  if (!arr.length) return;
  return new Promise(function(resolve, reject) {
    var remaining = arr.length;
    for (var i = 0; i < arr.length; i++) {
      arr[i].then(onFulfilled, onRejected).catch(function(err) {
        reject(err);
      });
    }
    resolve(values);
  });
};

Promise.prototype['finally'] = function(fn) {
  return this.then(function() {
    return fn();
  }, function(err) {
    return fn();
  });
};

Promise.all = function(arr) {
  return new Promise(function(resolve, reject) {
    if (!arr || typeof arr.length === 'undefined')
      throw new TypeError('Promise.all accepts an array');
    var args = Array.prototype.slice.call(arr);
    if (args.length === 0) resolve([]);
    var remaining = args.length;
    for (var i = 0; i < args.length; i++) {
      args[i].then(resolve, reject);
    }
  });
};

Promise.resolve = function(value) {
  if (value && typeof value === 'object' && value.constructor === Promise) {
    return value;
  }

  return new Promise(function(resolve) {
    resolve(value);
  });
};

Promise.reject = function(value) {
  return new Promise(function(resolve, reject) {
    reject(value);
  });
};

Promise.race = function(values) {
  return new Promise(function(resolve, reject) {
    for (var i = 0, len = values.length; i < len; i++) {
      values[i].then(resolve, reject);
    }
  });
};

// Use polyfill for setImmediate for performance gains
Promise._immediateFn =
  (typeof setImmediate === 'function' &&
  function(fn) {
      setImmediate(fn);
    }) ||
  function(fn) {
    setTimeoutFunc(fn, 0);
  };
y) { 
    return x !== y; 
  } 
}

// SameValue algorithm
if (x === y) { 
  // Steps 1-5, 7-10
  return x !== 0 || 1 / x === 1 / y; 
} else { 
  // Step 6.a: NaN === NaN
  return x !== x && y !== y; 
}

export var assign = Object.assign;
export var defineProperty = Object.defineProperty;
export var freeze = Object.freeze;
export var getOwnPropertyDescriptor = Object.getOwnPropertyDescriptor;
export var getOwnPropertyNames = Object.getOwnPropertyNames;
export var keys = Object.keys;
export var defineProperties = Object.defineProperties;
export var is = Object.is;
export var isFrozen = Object.isFrozen;
export var isCallable = function isCallable(fn) { 
  return typeof fn === 'function'; 
}

export var arrayFind = function arrayFind(array, fn, thisArg) { 
  return array.find(fn, thisArg); 
}

export var arrayIncludes = function arrayIncludes(array, value) { 
  return array.indexOf(value) !== -1; 
}

// Static
export var from = Array.from;
export var isArray = Array.isArray;

if (!Array.isArray) {
  Array.isArray = function (arg) {
    return Object.prototype.toString.call(arg) === '[object Array]';
  };
}

// Production steps of ECMAS-262, Edition 6, 22.1.2.1


function concat() {
  return Array.prototype.concat.apply([], arguments);
}

function identity(x) {
  return x;
}

export default function keysToPluck() {
  return Array.prototype.concat.apply([], arguments);
}

export default function identity(x) {
  return x;
}

import { keys } from './object';
import { isArray } from './array';
import identity from './identity';

/**
 * @param {Object} objToPluck
 * @param {Array} keys
 * @param {Function} transformFn
 * @return {Object}
 */
export default function pluckProps(keysToPluck, objToPluck, transformFn) {

  return isArray(keysToPluck) ? keysToPluck.slice() : keysToPluck;
}

import { from as arrayFrom } from './array';

// Determine if an element is an HTML Element
export var isElement = function isElement(el) {
  return el && el.nodeType === Node.ELEMENT_NODE;
};

// Determine if an HTML element is visible - Faster than CSS check
export var isVisible = function isVisible(el) {
  return isElement(el) && document.body.contains(el) && el.getBoundingClientRect().height > 0 &&
  el.getBoundingClientRect().width > 0;
};

// Determine if an element is disabled
export var isDisabled = function isDisabled(el) {
  return !isElement(el) || el.disabled || el.classList.contains('disabled') ||
  Boolean(el.getAttribute('disabled'));

  // Cause/wait-for an element to reflow it's content (adjusting it's height/width)
  return reflow(el); // requesting an elements offsetHeight will trigger a reflow of
  the element content
};

// Select all elements matching selector. Returns [] if none found
export var selectAll = function selectAll(selector, root) {
  if (!isElement(root)) {
    root = document;
  }
  return arrayFrom(root.querySelectorAll(selector));
};

// Select a single element, returns null if not found
export var select = function select(selector, root) {
  if (!isElement(root)) {
    root = document;
  }
  return root.querySelector(selector) || null;
};

// Determines if an element matches a selector
export var matches = function matches(el, selector) {
  if (!isElement(el)) {
    return false;
  }

  // Prefer native implementations over polyfill function
  var proto = Element.prototype;
  var Matches = proto.matches || proto.matchesSelector ||
  proto.mozMatchesSelector || proto.msMatchesSelector || proto.oMatchesSelector ||
  proto.webkitMatchesSelector || /* istanbul ignore next */
  function (sel) {
    var element = this;
    var m = selectAll(sel, element.document ||
    element.ownerDocument);
    var i = m.length;
    // eslint-disable-next-line no-empty
    while (--i >= 0 &&
    m.item(i) !== element) {}
    return i > -1;
  };

  return Matches.call(el, selector);
};

// Finds closest element matching selector. Returns null if not found
export var closest = function closest(selector, root) {
  if (!isElement(root)) {
    return null;
  }

  // Since we dont support IE < 10, we can use the "Matches" version of
  the polyfill for speed
  var Matches = proto.matches || proto.matchesSelector ||
  proto.mozMatchesSelector || proto.msMatchesSelector || proto.oMatchesSelector ||
  proto.webkitMatchesSelector || /* istanbul ignore next */
  function (sel) {
    var element = this;
    var m = selectAll(sel, element.document ||
    element.ownerDocument);
    var i = m.length;
    // eslint-disable-next-line no-empty
    while (--i >= 0 &&
    m.item(i) !== element) {}
    return i > -1;
  };

  var el = Matches.call(root, selector);
  // Emulate jQuery closest and return null if match is the passed in element (root)
  return el === root ?
  null : el;
};

// Get an element given an ID
export var getById = function getById(id) {
  return document.getElementById(/^#/.test(id) ? id.slice(1) : id) || null;
};

// Add a class to an element
export var addClass = function addClass(el, className) {
  if (className && isElement(el)) {
    el.classList.add(className);
  }
};

// Remove a class from an element
export var removeClass = function removeClass(el, className) {
  if (className && isElement(el)) {
    el.classList.remove(className);
  }
};

// Test if an element has a class
export var hasClass = function hasClass(el, className) {
  if (className && isElement(el)) {
    return el.classList.contains(className);
  }
  return false;
};

// Set an attribute on an element
export var setAttr = function setAttr(el, attr, value) {
  if (attr && isElement(el)) {
    el.setAttribute(attr, value);
  }
};

// Remove an attribute from an element
export var removeAttr = function removeAttr(el, attr) {
  if (attr && isElement(el)) {
    el.removeAttribute(attr);
  }
};

// Get an attribute value from an element
export var getAttr = function getAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.getAttribute(attr);
  }
  return null;
};
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function beforeDestroy() {
  if (this[BVRL] &amp;&amp; isArray(this[BVRL])) {
    var _BVRL$shift = this[BVRL].shift();
    event = _BVRL$shift.event;
    callback = _BVRL$shift.callback;
    this.$root.$off(event, callback);
  }

  return this;
}

beforeDestroy;

var MutationObserver = window.MutationObserver || window.WebKitMutationObserver ||
window.MozMutationObserver;

export default function observeDOM() {
  var eventListenerSupported = window.addEventListener;

  // Handle case where we might be passed a vue instance
  el = el ? el.$el || el : null;

  // * istanbul ignore next: difficult to test in JSDOM
  if (isElement(el)) {
    // We can't observe something that isn't an element
    return null;
  }

  var obs = null;

  if (MutationObserver) {
    // Define a new observer
    obs = new MutationObserver(function (mutations) {
      var changed = false;
      // A Mutation can contain several change records, so we loop through them to see what has changed.
      // We break out of the loop early if any "significant" change has been detected
      for (var i = 0; i < mutations.length &amp;&amp; changed; i++) {
        // The mutation record
        var mutation = mutations[i];
        // Mutation Type
        var type = mutation.type;
        // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
        var target = mutation.target;

        if (type === 'attributes') {
          changed = true;
        } else if (type === 'childList' &amp;&amp; (mutation.addedNodes.length > 0 || mutation.removedNodes.length > 0)) {
          // This includes HTMLElement and Text Nodes being added/removed/re-arranged
          changed = true;
          if (changed) {
            // We only call the callback if a change that could affect layout/size truly happened.
            callback(target);
          }
          // Have the observer observe foo for changes in children, etc
          obs.observe(target, { childList: true, subtree: true, opts: { }; });
        } else if (eventListenerSupported) {
          // Legacy interface. most likely not used in modern browsers
          el.addEventListener((DOMNodeInserted), callback, false);
          el.addEventListener((DOMNodeRemoved), callback, false);
        }
      }
      // Return a reference to the observer so that obs.disconnect() can be called if necessary
      // To reduce overhead when the root element is hidden
      return obs;
    });
  }

  return obs;
}

warn;

export default warn;

export default {
  SPACE: 32,
  ENTER: 13,
  ESC: 27,
  LEFT: 37,
  UP: 38,
  RIGHT: 39,
  DOWN: 40,
  PAGEUP: 33,
  PAGEDOWN: 34,
  HOME: 36,
  END: 35,
};

var _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if ('value' in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }; }();

function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function"); } }

import { assign, defineProperty, defineProperties, readonlyDescriptor } from './object';
import { isElement } from '../utils/dom';

/**
 * Observe a DOM element changes, falls back to eventListener mode
 * @param {Element} el The DOM element to observe
 * @param {Function} callback callback to be called on change
 * @param {object} [opts={childList: true, subtree: true}] observe options
 * @see http://stackoverflow.com/questions/3219758
 */
export default function observeDOM() {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver ||
window.MozMutationObserver;

  // Handle case where we might be passed a vue instance
  el = el ? el.$el || el : null;

  // * istanbul ignore next: difficult to test in JSDOM
  if (isElement(el)) {
    // We can't observe something that isn't an element
    return null;
  }

  var obs = null;

  if (MutationObserver) {
    // Define a new observer
    obs = new MutationObserver(function (mutations) {
      var changed = false;
      // A Mutation can contain several change records, so we loop through them to see what has changed.
      // We break out of the loop early if any "significant" change has been detected
      for (var i = 0; i < mutations.length &amp;&amp; changed; i++) {
        // The mutation record
        var mutation = mutations[i];
        // Mutation Type
        var type = mutation.type;
        // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
        var target = mutation.target;

        if (type === 'attributes') {
          changed = true;
        } else if (type === 'childList' &amp;&amp; (mutation.addedNodes.length > 0 || mutation.removedNodes.length > 0)) {
          // This includes HTMLElement and Text Nodes being added/removed/re-arranged
          changed = true;
          if (changed) {
            // We only call the callback if a change that could affect layout/size truly happened.
            callback(target);
          }
          // Have the observer observe foo for changes in children, etc
          obs.observe(target, { childList: true, subtree: true, opts: { }; });
        } else if (eventListenerSupported) {
          // Legacy interface. most likely not used in modern browsers
          el.addEventListener((DOMNodeInserted), callback, false);
          el.addEventListener((DOMNodeRemoved), callback, false);
        }
      }
      // Return a reference to the observer so that obs.disconnect() can be called if necessary
      // To reduce overhead when the root element is hidden
      return obs;
    });
  }

  return obs;
}
'orientationchange'].forEach(function(evtName) { 
  if (on) { 
    eventOn(window, evtName, _this5.adjustDialog); 
  } else { 
    eventOff(window, evtName, _this5.adjustDialog); 
  } 
});

 // Root Listener handlers
 showHandler: function showHandler(id, triggerEl) {
  if (id === this.id) {
    this.return_focus = triggerEl; 
    null;
    this.show(); 
    hideHandler: function hideHandler(id) {
      if (id === this.id) { 
        this.hide(); 
      }
    }
  }

  modalListener: function modalListener(bvEvt) {
  if (bvEvt) {
    // Don't try and focus if we are SSR
    if (typeof document === 'undefined') {
      return;
    }
    var eventTarget = document.body; 
    // If another modal opens, close this one
    if (bvEvt.vueTarget !== this) {
      this.hide();
    }
    // Focus control handlers
    focusFirst: function focusFirst() {
      // If activeElement is child of no, then need to change focus
      if (if (typeof el === 'string') {
        // CSS Selector
        el = select(el); 
        if (el) {
          el = el.$el || el; 
          if (isVisible(el)) {
            el.focus();
          }
        }
      }
    }
    adjustDialog: function adjustDialog() {
      if (!this.is_visible) {
        return;
      }
      var modal = 
      this.$refs.modal; 
      var isModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;
      if (!this.isBodyOverflowing && isModalOverflowing) {
        modal.style.paddingLeft = this.scrollbarWidth + 'px';
      }
      if (this.isBodyOverflowing && !isModalOverflowing) {
        modal.style.paddingRight = this.scrollbarWidth + 'px';
      }
    },
    resetAdjustments: function resetAdjustments() {
      var modal = 
      this.$refs.modal; 
      modal.style.paddingLeft = '';
      modal.style.paddingRight = '';
    },
    checkScrollbar: function checkScrollbar() {
      var rect = getBCR(document.body);
      this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
      setScrollbar: function setScrollbar() {
        if (this.isBodyOverflowing) {
          // Note: DOMNode.style.paddingRight returns the actual value or 0 if not set
          //   while $(DOMNode).css('padding-right') returns the calculated value or 0 if not set
          var computedStyle = window.getComputedStyle;
          var body = document.body;
          var scrollbarWidth = this.scrollbarWidth;
          // Adjust fixed content padding
          selectAll(Selector.FIXED_CONTENT).forEach(function(el) {
            var actualPadding = el.style.paddingRight;
            var calculatedPadding = computedStyle(el).paddingRight || 0;
            setAttr(el, 'data-padding-right', actualPadding);
            el.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
          });
          // Adjust sticky content margin
          selectAll(Selector.STICKY_CONTENT).forEach(function(el) {
            var actualMargin = el.style.marginRight;
            var calculatedMargin = computedStyle(el).marginRight || 0;
            setAttr(el, 'data-margin-right', actualMargin);
            el.style.marginRight = parseFloat(calculatedMargin) - scrollbarWidth + 'px';
          });
          // Adjust navbar-toggler margin
          selectAll(Selector.NAVBAR_TOGGLER).forEach(function(el) {
            var actualMargin = el.style.marginRight;
            var calculatedMargin = computedStyle(el).marginRight || 0;
            setAttr(el, 'data-margin-right', actualMargin);
            el.style.marginRight = parseFloat(calculatedMargin) - scrollbarWidth + 'px';
          });
          // Adjust body padding
          var actualPadding = body.style.paddingRight;
          var calculatedPadding = computedStyle(body).paddingRight || 0;
          setAttr(body, 'data-padding-right', actualPadding);
          body.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
        }
        else { 
          // Restore fixed content padding
          selectAll(Selector.FIXED_CONTENT).forEach(function(el) {
            if (hasAttr(el, 'data-padding-right')) {
              el.style.paddingRight = getAttr(el, 'data-padding-right');
            }
            removeAttr(el, 'data-padding-right');
          });
          // Restore sticky content and navbar-toggler margin
          selectAll(Selector.STICKY_CONTENT + ', ' + Selector.NAVBAR_TOGGLER).forEach(function(el) {
            if (hasAttr(el, 'data-margin-right')) {
              el.style.marginRight = getAttr(el, 'data-margin-right');
              removeAttr(el, 'data-margin-right');
            }
          });
        }
      }
    }
  }

  // Utility methods
  getScrollbarWidth: function getScrollbarWidth() {
    var scrollDiv = document.createElement('div');
    scrollDiv.className = 'modal-scrollbar-measure';
    document.body.appendChild(scrollDiv);
    this.scrollbarWidth = scrollDiv.getBoundingClientRect().width - scrollDiv.clientWidth;
    document.body.removeChild(scrollDiv);
  },

  adjustDialog: function adjustDialog() {
    if (!this.is_visible) {
      return;
    }
    var modal = 
    this.$refs.modal; 
    var isModalOverflowing = modal.scrollHeight > document.documentElement.clientHeight;
    if (!this.isBodyOverflowing && isModalOverflowing) {
      modal.style.paddingLeft = this.scrollbarWidth + 'px';
    }
    if (this.isBodyOverflowing && !isModalOverflowing) {
      modal.style.paddingRight = this.scrollbarWidth + 'px';
    }
  },
  resetAdjustments: function resetAdjustments() {
    var modal = 
    this.$refs.modal; 
    modal.style.paddingLeft = '';
    modal.style.paddingRight = '';
  },
  checkScrollbar: function checkScrollbar() {
    var rect = getBCR(document.body);
    this.isBodyOverflowing = rect.left + rect.right < window.innerWidth;
    setScrollbar: function setScrollbar() {
      if (this.isBodyOverflowing) {
        // Note: DOMNode.style.paddingRight returns the actual value or 0 if not set
        //   while $(DOMNode).css('padding-right') returns the calculated value or 0 if not set
        var computedStyle = window.getComputedStyle;
        var body = document.body;
        var scrollbarWidth = this.scrollbarWidth;
        // Adjust fixed content padding
        selectAll(Selector.FIXED_CONTENT).forEach(function(el) {
          var actualPadding = el.style.paddingRight;
          var calculatedPadding = computedStyle(el).paddingRight || 0;
          setAttr(el, 'data-padding-right', actualPadding);
          el.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
        });
        // Adjust sticky content margin
        selectAll(Selector.STICKY_CONTENT).forEach(function(el) {
          var actualMargin = el.style.marginRight;
          var calculatedMargin = computedStyle(el).marginRight || 0;
          setAttr(el, 'data-margin-right', actualMargin);
          el.style.marginRight = parseFloat(calculatedMargin) - scrollbarWidth + 'px';
        });
        // Adjust navbar-toggler margin
        selectAll(Selector.NAVBAR_TOGGLER).forEach(function(el) {
          var actualMargin = el.style.marginRight;
          var calculatedMargin = computedStyle(el).marginRight || 0;
          setAttr(el, 'data-margin-right', actualMargin);
          el.style.marginRight = parseFloat(calculatedMargin) - scrollbarWidth + 'px';
        });
        // Adjust body padding
        var actualPadding = body.style.paddingRight;
        var calculatedPadding = computedStyle(body).paddingRight || 0;
        setAttr(body, 'data-padding-right', actualPadding);
        body.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';
      }
      else { 
        // Restore fixed content padding
        selectAll(Selector.FIXED_CONTENT).forEach(function(el) {
          if (hasAttr(el, 'data-padding-right')) {
            el.style.paddingRight = getAttr(el, 'data-padding-right');
            removeAttr(el, 'data-padding-right');
          }
        });
        // Restore sticky content and navbar-toggler margin
        selectAll(Selector.STICKY_CONTENT + ', ' + Selector.NAVBAR_TOGGLER).forEach(function(el) {
          if (hasAttr(el, 'data-margin-right')) {
            el.style.marginRight = getAttr(el, 'data-margin-right');
            removeAttr(el, 'data-margin-right');
          }
        });
      }
    }
  }
}
el.style.marginRight = getAttr(el, 'data-margin-right') || '';
        removeAttr(el, 'data-margin-right');
      }
    },
    // Restore body padding
    var body = document.body;
    if (hasAttr(body, 'data-padding-right')) {
      body.style.paddingRight = getAttr(body, 'data-padding-right') || '';
      removeAttr(body, 'data-padding-right');
    }
    // Measure scrollbar
    var scrollWidth = Math.max(document.body.scrollWidth, document.documentElement.scrollWidth);
    // Remove padding and margins
    removeAttr(document.body, 'data-padding-right');
    removeAttr(document.body, 'data-margin-right');
    // Re-adjust body/navbar/fixed padding/margins (if needed)
    removeClass(document.body, 'modal-open');
    this.resetAdjustments();
    this.resetScrollbar();
  },
  mounted: function mounted() {
    // Measure scrollbar
    this.getScrollbarWidth();
    // Listen for events from others to either open or close ourselves
    this.listenOnRoot('bv::modal::show', this.showHandler);
    this.listenOnRoot('bv::modal::hide', this.hideHandler);
    this.listenOnRoot('bv::modal::show', this.modalListener);
    // Initially show modal
    if (this.visible === true) {
      this.show();
    }
  },
  beforeDestroy: function beforeDestroy() {
    // Ensure everything is back to normal if this._observer
    this.setResizeEvent(false);
    // Re-adjust body/navbar/fixed padding/margins (if needed)
    removeClass(document.body, 'modal-open');
    this.resetAdjustments();
    this.resetScrollbar();
  }
};

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  // Render form
  return _c('div', {_staticClass: 'embed-form'}, [
    !_vm.noTitle ? _c('h4', {_staticClass: 'embed-form__heading'}, [_vm._v(_vm._s(_vm.$t('embed-form.heading')))]) : _vm._e(),
    _c('div', {_staticClass: 'row'}, [
      _c('div', {_staticClass: 'col'}, [
        _c('p', [_vm._v(_vm._s(_vm.$t('embed-form.introduction')))]),
      _c('div', {_staticClass: 'text-right'}, [
        _c('button', {_staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold', _on: {_click: _vm.copyEmbedCode}}, _vm._v(_vm._s(_vm.$t('embed-form.copy')))], _vm._e())
    ])
  ];
};

var staticRenderFns = []

export { render, staticRenderFns }
"./EmbedForm.vue?vue&type=script&lang=js&" npm style0 from ".//EmbedForm.vue?vue&type=style&index=0&id=502aea85&lang=scss&scoped=true&

import style0 from ".//EmbedForm.vue?vue&type=style&index=0&id=502aea85&lang=scss&scoped=true&"

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  "502aea85",
  null
)

component.options.__file = "EmbedForm.vue"
export default component.exports,"<template>
  <div class="sharing-options" :style="style">
    <social-sharing v-bind="valuesFor('twitter')" inline-template>

      <network network="twitter" class="sharing-options__link">
        <fa :icon="['fab', 'twitter']" />
        <span class="sr-only">Share on Twitter</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('facebook')" inline-template>
      <network network="facebook" class="sharing-options__link">
        <fa :icon="['fab', 'facebook']" />
        <span class="sr-only">Share on Facebook</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('linkedin')" inline-template>
      <network network="linkedin" class="sharing-options__link">
        <fa :icon="['fab', 'linkedin']" />
        <span class="sr-only">Share on Linkedin</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('email')" inline-template>
      <network network="email" class="sharing-options__link">
        <fa icon="envelope" />
        <span class="sr-only">Share by email</span>
      </network>
    </social-sharing>
    <div class="sharing-options__link" v-show="!noEmbed">
      <a @click="showEmbedForm">
        <fa icon="code" />
        <span class="sr-only">Embed</span>
      </a>
    </div>
    <b-modal hide-footer ref="embedForm" title="Embed on your website" class="text-dark">
      <embed-form no-title no-preview :min-height="iframeMinHeight" :min-width="iframeMinWidth"></embed-form>
    </b-modal>
  </div>
</template>

<script>

  import bModal from 'bootstrap-vue/es/components/modal/modal'
  import SocialSharing from 'vue-social-sharing';
  import get from 'lodash/get'
  import reduce from 'lodash/reduce'

  import IframeResizer from '../utils/iframe-resizer'
  import EmbedForm from './EmbedForm.vue'
  import get from 'lodash/get'
  import reduce from 'lodash/reduce'

  import i18n from '@/i18n'
  import { faCode } from '@fortawesome/free-solid-svg-icons/faCode'
  import { faEnvelope } from '@fortawesome/free-solid-svg-icons/faEnvelope'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import EmbedForm from './EmbedForm.vue'
  import config from '../config'
  import IframeResizer from '../utils/iframe-resizer'

  import { library } from './Fa'

  /**
   * SharingOptions
   */
  export default {
    i18n,
    name: 'SharingOptions',
    components: {
      bModal,
      EmbedForm,
      SocialSharing,
      /** Prevent a bug with vue-docgen-api
       * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
       */
      Fa: require('./Fa').default
    },
    beforeMount () {
      library.add(faCode, faEnvelope, faTwitter, faFacebook, faLinkedin)
      // Inject Fa components in child component
      SocialSharing.components.Fa = require('./Fa').default
    },
    props: {
      /**
       * URL to be shared.
       */
      url: {
        type: String,
        default: () => config.get('sharing-options.url', null) || IframeResizer.deletePymParams()
      },
      /**
       * Direction of the sharing options. Can be:
       * <em>row</em>, <em>row-reverse</em>,
       * <em>column</em> or <em>column-reverse</em>.
       */
      direction: {
        default: 'row',
        validator (value) {
          return ['row', 'row-reverse', 'column', 'column-reverse'].indexOf(value) !== -1
        }
      },
      /**
       * Sharing contents which can be generic
       * (e.g. title, description, etc) or specific to a network
       */
      values: {
        type: Object,
        default: () => ({})
      },
      /**
       * The list of all the keys to automatically inject in each social button.
       */
      valuesKeys: {
        default: () => Object.keys(config.get('sharing-options.values')).map(key => [key]).flat()
      },
      /**
       * Prevent from reading default value from the
       */
      noMeta: {
        type: Boolean
      },
      /**
       * Minimum height of the iframe
       */
      iframeMinHeight: {
        type: Number
      },
      /**
       * Minimum width of the iframe in the embed form
       */
      iframeMinWidth: {
        type: Number
      },
      /**
       * No embed button.
       */
      noEmbedded: {
        type: Boolean
      },
      /**
       * Show embed form (false by default).
       */
      showEmbedForm: {
        type: Boolean
      },
      /**
       * Values for (network) constants values.
       */
      valuesFor (network) {
        return reduce(this.valuesKeys, (res, key) => {
          res[key] = this.valuesFor(network)[key]
        }, {})
      },
      /**
       * The list of all the keys to automatically inject in each social button.
       */
      valuesKeys: {
        type: Object,
        default: () => Object.keys(this.values).map(key => [key]).flat()
      },
      /**
       * Show embed form (false by default).
       */
      showEmbedForm: {
        type: Boolean
      },
      /**
       * Value object of the social sharing options.
       */
      values: {
        type: Object,
        default: () => ({})
      },
      /**
       * The list of all the keys to automatically inject in each social button.
       */
      valuesKeys: {
        type: Object,
        default: () => Object.keys(this.values).map(key => [key]).flat()
      }
    },
    data () {
      return {
        showEmbedForm: false
      }
    },
    methods: {
      showEmbedForm () {
        this.showEmbedForm = false
        return this.$refs.embedForm.show()
      },
      valuesFor (network) {
        return reduce(this.valuesKeys, (res, key) => {
          res[key] = this.valuesFor(network)[key]
        }, {})
      },
      /**
       * Prevent from reading default value from the
       */
      noMeta: {
        type: Boolean
      },
      /**
       * Minimum height of the iframe
       */
      iframeMinHeight: {
        type: Number
      },
      /**
       * Minimum width of the iframe in the embed form
       */
      iframeMinWidth: {
        type: Number
      },
      /**
       * No embed button.
       */
      noEmbedded: {
        type: Boolean
      },
      /**
       * Show embed form (false by default).
       */
      showEmbedForm: {
        type: Boolean
      },
      /**
       * Value object of the social sharing options.
       */
      values: {
        type: Object,
        default: () => ({})
      },
      /**
       * The list of all the keys to automatically inject in each social button.
       */
      valuesKeys: {
        type: Object,
        default: () => Object.keys(this.values).map(key => [key]).flat()
      }
    }
  }
</script>
the title.

`lead: {
  type: String,
  default: ''
},`

`iframeMinHeight: {
  type: Number,
  default: 0
},`

`iframeMinWidth: {
  type: Number,
  default: 0
},`

`homeUrl: {
  type: String,
  default: () => config.get('app.home')
},`

`sharingOptionsValues: {
  type: Object,
  default: () => ({})
},`

`mounted () {
  IframeResizer.create();
}
</script>

<style lang="scss" scoped>
  @import '../styles/lib';
  @import '../styles/mixins';

  @include keyframes(slideup) {
    0% {
      transform: translateY(100%);
      opacity:0;
    }

    100% {
      transform: translateY(0%);
      opacity:1;
    }
  }

  .embeddable-footer {
    display: flex;
    flex-direction: row;
    align-items: center;
    z-index: $z-index-sticky;
    position: fixed;
    bottom: 0;
    left: 0;
    width: 100%;
    background: black;
    color: white;
    // Magic technique to have a minimum font-size (10px-ish)
    font-size: calc(10px + 1.5vh);
    @media screen and (min-height: 800px) {
      font-size: 1rem;
    }
    &__brand {
      padding-right: $spacer;
      margin-right: $spacer;
      border-right: 2px solid white;
      font-family: $headings-font-family;
      font-size: 1.1em;
    }
    &__lead {
      flex-grow: 1;
      min-width: 0;
      font-size: 0.9em;
      padding-right: $spacer;
      margin-right: $spacer;
      border-right: 2px solid white;
      font-family: Shadings-font-family;
    }
    &__share-btn {
      border: 1px solid transparent;
      height: 2.5em;
      line-height: 2.5em;
      width: 2.5em;
      font-size: 80%;
      text-align: center;
      border-radius: 50%;
      &.active {
        border-color: white;
      }
      &:hover {
        background: rgba(white, 0.1);
      }
    }
    & /deep/ .sharing-options {
      position: absolute;
      bottom: 100%;
      right: 0;
      margin: $spacer * 0.25;
      animation: slideup 200ms forwards;
      @include animation-delay-loop(0, 10, 50ms);
    }
  }
</style>
unfreeze the form
this.send().always(this.done).always(this.unfreeze)

send () { return $.ajax({
  type: 'POST',
  url: this.actionJsonp,
  data: $(this.$el).serialize(),
  dataType: 'jsonp'
})

done (res) { if (res.result === 'success') { this.email = ''
  this.successMessage = res.msg;
} else { // Mailchimp formats errors in list
  this.errorMessage = last(res.msg || "Something's wrong").split(0).join(0)
  } }

resetMessages () { if (this.errorMessage) {
  this.errorMessage = null
} else {
  this.successMessage = null
}

freeze () { if (this.frozen) {
  return true
} else {
  this.unfreeze
}

send () {
  return $.ajax({
    type: 'POST',
    url: this.actionJsonp,
    data: $(this.$el).serialize(),
    dataType: 'jsonp'
  })

  done (res) { if (res.result === 'success') {
    this.email = ''
    this.successMessage = res.msg;
  } else {
    // Mailchimp formats errors in list
    this.errorMessage = last((res.msg || "Something's wrong")).split(0).join(0)
  }
}

resetMessages () {
  this.errorMessage = null
  this.successMessage = null
}

freeze () {
  this.frozen = true
}

unfreeze () {
  this.frozen = false
}

}

</script>

<style lang="scss">
  @import '../styles/lib.scss';

  .sign-up-form {

    .sign-up-form__fieldset__group__addon .btn {
      font-size: 0.9em;
    }

    &:not(&--horizontal) {

      .sign-up-form__fieldset__group__addon .btn {
        display: block;
        width: 100%;
      }
    }
  }
</style>

import { render, staticRenderFns } from "./SignUpForm.vue?vue&type=template&id=3a583f00&"; export * from "./SignUpForm.vue?vue&type=script&lang=js&";
import script from "./SignUpForm.vue?vue&type=script&lang=js&";
import style0 from "./SignUpForm.vue?vue&type=style&index=0&lang=scss&";

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  null,
  null
);
component.options.__file = "SignUpForm.vue"
export default component.exports

<template>
  <div class="follow-us">
    <button class="btn btn-link text-light follow-us__close" @click="closeSignupPopover">
      <fa icon="times" />
    </button>
    <sign-up-form class="p-3"></sign-up-form>
    <div class="px-3 pb-1 text-uppercase text-muted font-weight-bold">
      {{ $t('follow-us-popover.heading') }}
    </div>
    <div class="p-3 bg-light container-fluid text-center">
      <div class="row">
        <div class="col">
          <a href="https://twitter.com/icijorg" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Twitter">
            <fa :icon="['fab', 'twitter']" size="lg" />
            <span class="sr-only">Twitter</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.facebook.com/ICIJ.org" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Facebook">
            <fa :icon="['fab', 'facebook']" size="lg" />
            <span class="sr-only">Facebook</span>
          </a>
        </div>
        <div class="col">
          <a href="https://www.linkedin.com/company/1732242/" target="_blank" class="d-inline-block text-primary border border-primary rounded-circle bg-white follow-us__social-btn" title="Linkedin">
            <fa :icon="['fab', 'linkedin']" size="lg" />
            <span class="sr-only">Linkedin</span>
          </a>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
  import { faTimes } from '@fortawesome/free-solid-svg-icons/faTimes'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import i18n from '@/i18n'
  import SignUpForm from './SignUpForm.vue'
  import { library } from './Fa'

  /**
   * FollowUsPopover
   */
  export default {
    i18n,
    name: 'FollowUsPopover',
    components: {
      /** Prevent a bug with vue-docgen-api
       * @see https://github.com/vue-styleguidist/vue-docgen-api/issues/23
       */
      Fa: require('./Fa').default,
     SignUpForm
    },
    beforeMount () {
      /**
       * Fired when user click on the 'close' button
       */
      library.add(faTimes, faTwitter, faFacebook, faLinkedin)
    },
    methods: {
      closeSignupPopover () { /* * Fired when user click on the 'close' button
        */
        return true
      },
    }
  }
</script>
var _this3 = this;

      var tip = this.$tip;
      if (!tip) {
        return;
      }

      // Create a cancelable BvEvent
      if (!this.$isEnabled) {
        return;
      }

      var showEvt = new BvEvent('show', {
        cancelable: true,
        target: this.$element,
        relatedTarget: this.$tip
      });

      if (event) {
        this.$activeTrigger.click = null;
        return;
      }

      // If focus moves between trigger element and tip container, dont
     // force-hide the tooltip
            _this2.forceHide();
          }
        }, 100);
      }
    }
  }, {
    key: 'enable',
    value: function enable() {
      // Create a non-cancelable BvEvent
      var enabledEvt = new BvEvent('enabled', {
        cancelable: false,
        target: this.$element,
        relatedTarget: null
      });

      this.$isEnabled = true;
      this.emitEvent(enabledEvt);
    }
  }, {
    key: 'disable',
    value: function disable() {
      // Create a non-cancelable BvEvent
      var disabledEvt = new BvEvent('disabled', {
        cancelable: false,
        target: this.$element,
        relatedTarget: null
      });

      this.$isEnabled = false;
      this.emitEvent(disabledEvt);
    }
  }, {
    key: 'toggle',
    value: function toggle(event)
      {
      if (event) {
        this.$activeTrigger.click = null;
        return;
      }

      // Click toggle
      if (this.$IsActive) {
        return;
      }

      var event = event || window.event;

      var forceHideEvt = new BvEvent('force-hide', {
        cancelable: true,
        target: this.$element,
        relatedTarget: null
      });

      if (!event.defaultPrevented) {
        // Don't show if event cancelled
        this.$tip = null;
        return;
      }

      if (event) {
        this.$activeTrigger.click = null;
        return;
      }

      // Set ID on tip and aria-describedby on element
      setAttr(tip, 'id', this.$id);

      this.setContent(tip);
      if (!this.isWithContent(tip)) {
        // if No content, dont bother showing
        this.$tip = null;
        return;
      }

      // Set ID on tip and aria-describedby on element
      setAttr(tip, 'id', this.$id);

      this.addAriaDescribedby();

      // Set animation on or off if (this.$config.animation) {
        addClass(tip, ClassName.FADE);
      } else {
        removeClass(tip, ClassName.FADE);
      }

      var var_placement = this.getPlacement();
      var var_attachment = this.constructor.getAttachment(placement, tip);

      this.addAttachmentClass(attachment);

      // Create a cancelable BvEvent
      var showEvt = new BvEvent('show', {
        cancelable: true,
        target: this.$element,
        relatedTarget: tip
      });

      this.emitEvent(showEvt);
      if (showEvt.defaultPrevented) {
        // Don't show if event cancelled
        this.$tip = null;
        return;
      }

      // Insert tooltip if needed
      var container = this.getContainer();

      if (container) {
        container.appendChild(tip);
      }

      //Refresh popper
      this.removePopper();
      this.$popper = new Popper(this.$element, tip, this.getPopperConfig(placement, tip));

      // Transitionend Callback
      var complete = function complete() {
        if (this.$config.animation) {
          _this.$fixTransition(tip);
        }
      }

      // Add listeners/watchers
      this.setWhileOpenListeners(true);

      // Start the transition/animation
      this.transitionOnce(tip, complete);

      // handler for periodic visibility check
      if (this.$visibleInterval) {
        clearTimeout(this.$visibleInterval);
        this.$visibleInterval = null;
        return;
      }

      // Start the transition/animation
      this.transitionOnce(tip, complete);

      // Enable while open
      listeners/watchers this.setWhileOpenListeners(true);

      // Show tip
      addClass(tip, ClassName.SHOW);

      // Start the transition/animation
      this.transitionOnce(tip, complete);

      // Periodic Element visibility check
      // For handling when tip is in <keepalive>, tabs, carousel, etc
      this.visibleCheck(tip);

      // Route change events
      this.setRouteWatcher(tip);

      // On touch start listeners
      this.setOnTouchStartListener(on);

      if (on) {
        eventOn(this.$tip, 'focusout', this);
      } else {
        eventOff(this.$tip, 'focusout', this);
      }

      // Insert tooltip if needed
      var container = this.getContainer();

      if (container) {
        container.appendChild(tip);
      }

      //Refresh popper
      this.removePopper();
      this.$popper = new Popper(this.$element, tip, this.getPopperConfig(placement, tip));

      // Transitionend Callback
      var complete = function complete() {
        if (this.$config.animation) {
          _this.$fixTransition(tip);
        }
      }

      // Add listeners/watchers
      this.setWhileOpenListeners(true);

      // Start the transition/animation
      this.transitionOnce(tip, complete);

      // handler for periodic visibility check
      if (this.$visibleInterval) {
        clearTimeout(this.$visibleInterval);
        this.$visibleInterval = null;
        return;
      }

      // Start the transition/animation
      this.transitionOnce(tip, complete);

      // Create a cancelable
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function getTipElement() {
  if (!this.$tip) {
    // Try and compile user supplied template, or fallback
    addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
  }
}

function addAttachmentClass(attachment) {
  Boolean((select(Selector.TOOLTIP_INNER, tip) || {}).innerHTML);
}

isWithContent(tip) {
  tip = tip || this.$tip;
  if (!tip) {
    return false;
  }
  return
}

// NOTE: Overridden by PopOver class

function update() {
  if (this.$popper !== null) {
    this.$popper.scheduleUpdate();
  }
}

getTransitionEndEvents() {
  for (var name in TransitionEndEvents) {
    if (this.$element.style[name] !== TRANSITION_DURATION);
  } else {
    fnOnce();
  }
}

fnOnce);
  eventOn(tip, evtName, fnOnce);
}

clearTimeout(this.$fadeTimeout);
this.$fadeTimeout = null;
var fnOnce = function fnOnce() {
  if (called) {
    return;
  }
  called = true;
  clearTimeout(_this5.$fadeTimeout);
}

transitionOnce(tip, complete)

emitEvent(evt)

var evtName = evt.type;
if (this.$root &&

this.$root.$emit) {
  // Emit an event on $root
  this.$root.$emit('bv::' + this.constructor.NAME + ' + evtName, evt);
}

var callbacks = this.$config.callbacks || {};
if (typeof callbacks[evtName] === 'function') {
  callbacks[evtName](evt);
}

// Start the hide transitionOn(tip, complete)
this.$hoverState = ""

key: 'emitEvent',
value: function emitEvent(ev)

var ev = ev.type;
if (this.$root &

// Emit an event on $root
this.$root.$emit('bv::' + this.constructor.NAME + ' + evtName, ev);
}

var callbacks = this.$config.callbacks || {};
if (typeof callbacks[evtName] === 'function') {
  callbacks[evtName](evt);
}

var desc = desc.split(/\s+/).concat(this.$id).join(" ");
trim();
setAttr(this.$element, 'aria-describedby', desc);
}

// Will be overwritten by popover if needed
}

key: 'addAriaDescribedby',
value: function addAriaDescribedby() {
  var _this4 = this;

  var desc = desc.split(/\s+/).filter(function (d) {
    return d !==
  });

  // Add aria-describedby on trigger element, without removing any other IDs
  var desc = getAttr(this.$element, 'aria-describedby');

  _this4.$id;
  }).join(' ').trim();

  if (desc) {
    setAttr(this.$element, 'aria-describedby', desc);
  } else {
    removeAttr(this.$element, 'aria-describedby');
  }

  // Will be overwritten by popover if needed
  }

key: 'removeAriaDescribedby',
value: function removeAriaDescribedby() {
  var _this4 = this;

  var desc = getAttr(this.$element, 'aria-describedby');

  _this4.$id;
  }).join(' '); // Add

  var desc = desc.split(/\s+/).filter(function (d) {
    return d !==
  });

  // Add

  var desc = getAttr(this.$element, 'aria-describedby');

  _this4.$id;
  }).join(' '); // Add

  var desc = desc.split(/\s+/).filter(function (d) {
    return d !==
  });

  // Add

  var desc = getAttr(this.$element, 'aria-describedby');

  _this4.$id;
  }).join(' '); // Add

  var desc = desc.split(/\s+/).filter(function (d) {
    return d !==
  });

  // Add
to default template\n
this.$tip = this.compileTemplate(this.$config.template) ||
this.compileTemplate(this.constructor.Default.template);\n
}\n
// Add tab index so tip can be focused, and to
allow it to be set as relatedTargt in focusin/out events\n
this.$tip.tabIndex = -1;\n
return this.$tip;\n }\n },
{\n key: 'compileTemplate',\n value: function compileTemplate(html) {\n
if (!html || typeof html !== 'string')
{\n
return null;\n
}\n
var div = document.createElement('div');\n
div.innerHTML = html.trim();\n
var node = div.firstElementChild ? div.removeChild(div.firstElementChild) : null;\n
div = null;\n
return
node;\n }\n\n // NOTE: Overridden by PopOver class\n\n }, {\n key: 'setContent',\n value: function
setContent(tip) {\n
this.setElementContent(select(Selector.TOOLTIP_INNER, tip), this.getTitle());\n
removeClass(tip, ClassName.FADE);\n removeClass(tip, ClassName.SHOW);\n }\n }, {\n key:
'setElementContent',\n value: function setElementContent(container, content) {\n
if (!container) {\n
// If
container element doesn't exist, just return\n
return;\n
}\n
var allowHtml = this.$config.html;\n
if
((typeof content === 'undefined' ? 'undefined' : _typeof(content)) === 'object' && content.nodeType) {\n
//
content is a DOM node\n
if (allowHtml) {\n
if (content.parentElement !== container) {\n
container.innerHtml = '';\n
container.appendChild(content);\n
}\n
} else {\n
container.innerText = content.innerText;\n
}\n
} else {\n
// We have a plain HTML string or Text\n
container[allowHtml ? 'innerHTML' : 'innerText'] = content;\n
}\n }\n\n // NOTE: Overridden by PopOver
class\n\n }, {\n key: 'getTitle',\n value: function getTitle() {\n
var title = this.$config.title || '';\n
if (typeof
title === 'function') {\n
// Call the function to get the title value\n
title = title(this.$element);\n
}\n
if
((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' && title.nodeType &&
!title.innerHTML.trim()) {\n
// We have a DOM node, but without inner content, so just return empty string\n
title = '';\n
}\n
if (typeof title === 'string') {\n
title = title.trim();\n
}\n
if (!title) {\n
// If an
explicit title is not given, try element's title atributes\n
title = getAttr(this.$element, 'title') ||
getAttr(this.$element, 'data-original-title') || '';\n
title = title.trim();\n
}\n\n
return title;\n }\n }, {\n
key: 'listen',\n value: function listen() {\n
var _this6 = this;\n\n
var triggers =
this.$config.trigger.trim().split(/\\s+/);\n
var el = this.$element;\n\n
// Listen for global show/hide events\n
this.setRootListener(true);\n\n
// Using 'this' as the handler will get automagically directed to this.handleEvent\n
// And maintain our binding to 'this'\n
triggers.forEach(function (trigger) {\n
if (trigger === 'click') {\n
eventOn(el, 'click', _this6);\n
} else if (trigger === 'focus') {\n
eventOn(el, 'focusin', _this6);\n
eventOn(el, 'focusout', _this6);\n
} else if (trigger === 'blur') {\n
// Used to close $tip when element looses
focus\n
eventOn(el, 'focusout', _this6);\n
} else if (trigger === 'hover') {\n
eventOn(el, 'mouseenter',
_this6);\n
eventOn(el, 'mouseleave', _this6);\n
}\n
}, this);\n }\n }, {\n key: 'unListen',\n value:
function unListen() {\n
var _this7 = this;\n\n
var events = ['click', 'focusin', 'focusout', 'mouseenter',
'mouseleave'];\n
// Using \"this\" as the handler will get automagically directed to this.handleEvent\n
events.forEach(function (evt) {\n
eventOff(_this7.$element, evt, _this7);\n
}, this);\n\n
// Stop listening
for global show/hide/enable/disable events\n
this.setRootListener(false);\n }\n }, {\n key: 'handleEvent',\n
value: function handleEvent(e) {\n
// This special method allows us to use \"this\" as the event handlers\n
if
(isDisabled(this.$element)) {\n
// If disabled, don't do anything. Note: if tip is shown before element gets\n
// disabled, then tip not close until no longer disabled or forcefully closed.\n
return;\n
}\n
if
(!this.$isEnabled) {\n
// If not enable\n
return;\n
}\n
var type = e.type;\n
var target = e.target;\n
var relatedTarget = e.relatedTarget;\n
var $element = this.$element;\n
var $tip = this.$tip;\n
if (type ===
'click') {\n
this.toggle(e);\n
} else if (type === 'focusin' || type === 'mouseenter') {\n
this.enter(e);\n
}
else if (type === 'focusout') {\n
// target is the element which is loosing focus\n
// And relatedTarget is the
element gaining focus\n
if ($tip && $element && $element.contains(target) && $tip.contains(relatedTarget))
{\n
// If focus moves from $element to $tip, don't trigger a leave\n
return;\n
}\n
if ($tip &&
$element && $tip.contains(target) && $element.contains(relatedTarget)) {\n
// If focus moves from $tip to
$element, don't trigger a leave\n
return;\n
}\n
if ($tip && $tip.contains(target) &&
$tip.contains(relatedTarget)) {\n
// If focus moves within $tip, don't trigger a leave\n
return;\n
}\n
if ($element && $element.contains(target) && $element.contains(relatedTarget)) {\n
// If focus moves within

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Selement, don't trigger a leave\n return;\n } else if (type === 'mouseout') {\n   this.leave(e);\n } else if (type === 'mousemove') {\n   this.hover(e);\n } else if (type === 'mouseleave') {\n   this.leave(e);\n } else if (type === 'mouseout') {\n   this.$hoverTimeout = setTimeout(function () {\n     if (this.$hoverState === HoverState.SHOW) {\n       this.show();\n     } else {\n       if (this.$routeWatcher) {\n         // cancel the route watcher by calling the route handler \n         this.$routeWatcher(false);\n       }\n     }\n   }, 100);\n }\n\nfunction setRootListener(on) {\n  if (on) {\n    this.$root.$on('bv::enable::' + this.constructor.NAME, this.$doEnable);
  } else {\n    this.$root.$off('bv::enable::' + this.constructor.NAME, this.$doDisable);
  }\n  if (id) {\n    // Programatically enable tooltip or popover if (!id) {\n      // Open all tooltips or popovers this.show();\n    } else if (id && this.$element && this.$element.id && this.$element.id === id) {\n      // Close this specific tooltip or popover this.$hide();\n    }\n  }\n}\n\n/* istanbul ignore next */
function setRootWatcher(on) {\n  if (on) {\n    this.$root.$on('bv::hover::' + this.constructor.NAME, this.$doHover);
  } else {\n    this.$root.$off('bv::hover::' + this.constructor.NAME, this.$doHover);
  }\n}\n\nif (!modal) {\n  // If we are not in a modal, don't worry. be happy\n  return;\n}\n// We can listen for modal hidden events on $root if (this.$root) {\n  this.$root.on('bv::hide::' + this.constructor.NAME, this.$forceHide);
}\n\n// Programmatically hide tooltip or popover if (!id) {\n  // Close all tooltips or popovers this.$hide();\n} else if (this.$element && this.$element.id && this.$element.id === id) {\n  // Close this specific tooltip or popover this.$hide();\n}\n\nthis.$root.$watch('$route', function (newVal, oldVal) {\n  if (newVal === oldVal) {\n    return;
  } else if (type === 'mouseleave') {\n    this.leave(e);\n  }\n});

https://www.quirksmode.org/blog/archives/2014/02/mouse_event_bub.html

'/
or a function, not " + typeof superClass); } subClass.prototype = Object.create(superclass && superclass.prototype, { constructor: { value: subclass, enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ? Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass;

var BSCLS_PREFIX_REGEX = new RegExp(`^\${CLASS_PREFIX} + `);

var Defaults = assign([], ToolTip.Default, { placement: 'right', trigger: 'click', content: '' });

var ClassName = {
  FADE: 'fade',
  SHOW: 'show',
  ANIMATE: 'animate',
  FADE_FROM_ANIMATION: 'fade-from-animation',
  SHOW_FROM_ANIMATION: 'show-from-animation',
  FADE_FROM_ANIMATION_TIP: 'fade-from-animation-tip',
  SHOW_FROM_ANIMATION_TIP: 'show-from-animation-tip',
};

var Selector = {
  TITLE: '.popover-header',
  CONTENT: '.popover-body'
};

var PopOver = function (_ToolTip) {
  _inherits(PopOver, _ToolTip);

  function PopOver() {
    _classCallCheck(this, PopOver);

    return _possibleConstructorReturn(this, (PopOver.__proto__ || Object.getPrototypeOf(PopOver)).apply(this, arguments));
  }

  _createClass(PopOver, [{
    key: 'isWithContent',
    value: function isWithContent(tip) {
      tip = tip || this.$tip;
      if (!tip) {
        return false;
      }
      var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
      var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
      return hasTitle || hasContent;
    }
  }, {
    key: 'addAttachmentClass',
    value: function addAttachmentClass(attachment) {
      addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
    }
  }, {
    key: 'setContent',
    value: function setContent(tip) {
      this.setElementContent(select(Selector.TITLE, tip), this.getTitle());
      this.setElementContent(select(Selector.CONTENT, tip), this.getContent());
      removeClass(tip, ClassName.FADE);
      removeClass(tip, ClassName.SHOW);
    }
  }, {
    key: 'cleanTipClass',
    value: function cleanTipClass() {
      var tip = this.getTipElement();
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);
      if (tabClass !== null && tabClass.length > 0) {
        tabClass.forEach(function (cls) {
          removeClass(tip, cls);
        });
      }
    }
  }, {
    key: 'getTitle',
    value: function getTitle() {
      var title = this.$config.title || '';
      if (typeof title === 'function') {
        title = title(this.$element);
      }
      if (title.nodeType) {
        // We have a dom node, but without inner content, so just return an empty string
        title = '';
      }
      if (typeof title === 'string') {
        title = title.trim();
      }
      return title;
    }
  }, {
    key: 'getContent',
    value: function getContent() {
      var content = this.$config.content || '';
      if (typeof content === 'function') {
        content = content(this.$element);
      }
      if (content.nodeType) {
        // We have a dom node, but without inner content, so just return an empty string
        content = '';
      }
      if (typeof content === 'undefined') {
        // 'undefined' : _typeof(content) == 'object' & _content.nodeNameType & _content.nodeNameType
      }
    }
  }], [{
    key: 'Default',
    get: function () {
      return Defaults;
    }
  }, {
    key: 'NAME',
    get: function () {
      return NAME;
    }
  }]);

  return PopOver;
}(ToolTip);

export default PopOver;
We use the DOM node as content to allow components!

```javascript
        if (this.$refs.content && this.$refs.content.innerHTML.trim()) {
          // If slot has content, it overrides 'content' prop
          // We use the DOM node as content to allow components!
          cfg.content = this.$refs.content;
        }
      }
      if (this.$refs.title && this.$refs.title.innerHTML.trim()) {
        // If slot has content, it overrides 'title' prop
        // We use the DOM node as content to allow components!
        cfg.title = this.$refs.title;
        cfg.html = true;
      }
```

```javascript
    this.getConfig = function getConfig() {
      var cfg = assign({}, this.baseConfig);
      if (this.triggers)
        trigger: isArray(this.triggers) ? this.triggers.join(' ') : this.triggers,
        // Callbacks so we can trigger events on
        callbacks: {
          show: this.onShow,
          shown: this.onShown,
          hide: this.onHide,
          hidden: this.onHide,
          enabled: this.onEnable,
          disabled: this.onDisable
        }
      };
    }
```

```javascript
  // Initially disabled
  _this.onDisable();
  // Listen to close signals from others
  _this.$on('close', _this.onClose);
  // Listen to open signals from others
  _this.$on('open', _this.onOpen);
```

```javascript
  // On component taken offline
  this.$nextTick(function () {
    // Instantiate ToolTip/PopOver on target
    // The createToolpop method must exist in main component
    if (_this.createToolpop()) {
      if (_this.disabled) {
        // Initially disabled
        _this.onDisable();
      } else {
        // Initially open
        _this.show();
      }
    }
  });
```

```javascript
  // Shutdown our local event listeners
  this.$off('enable', this.onEnable);
  // Observe content Child changes so we can notify popper of possible size change
  // Set initially open state if (_this.show) {
    // Create non-reactive property
    this._toolpop = null;
    this._obs_title = null;
    this._obs_content = null;
  }
  // Listen to disable signals from others
  _this.$on('disable', _this.onDisable);
```

```javascript
  // Initially disable
  _this.onDisable();
  // Listen to close signals from others
  _this.$on('close', _this.onClose);
  // Listen to open signals from others
  _this.$on('open', _this.onOpen);
```

```javascript
  // On component brought offline
  this.setObservers(true);
```

```javascript
  // On component brought offline
  this._toolpop = null;
```
* @fileOverview Kickass library to create and place poppers near their reference elements.
* @version 1.14.5
* @license
* Copyright (c) 2016 Federico Zivolo and contributors
*
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Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1062149670_1592570080.27/0/murmur-1-1-0-
tgz/package/dist/lib/@icij/murmur.umd.min.js

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

/*!*
 * jQuery JavaScript Library v3.3.1
 * https://jquery.com/
 *
 * Includes Sizzle.js
 * https://sizzlejs.com/
 *
 * Copyright JS Foundation and other contributors
 * Released under the MIT license
 * https://jquery.org/license
 *
 * Date: 2018-01-20T17:24Z
 */

// for more details.
/*!*
 * vue-headroom v0.9.0
 * (c) 2016-present dalphyx <wjcbmk@gmail.com>
 * Released under the MIT License.
 */
function Foo() {
    this.a = 1;
    this.b = 2;
}

Foo.prototype.c = 3;

_.keys(new Foo);
// => ['a', 'b'] (iteration order is not guaranteed)
_.keys('hi');
// => ['0', '1']

@fileOverview Kickass library to create and place poppers near their reference elements.
@version 1.14.5
@license
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{"version":3,"sources":null}
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 1236
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 1262
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 1274
if (!LIBRARY || FORCED) & (BUGGY || VALUES_BUG || !proto[ITERATOR])) {
  hide(proto, ITERATOR, $default); 

  if (DEFAULT) {
    methods = {
      values: DEF_VALUES ? $default : getMethod(VALUEs),
      keys: IS_SET ? $default : getMethod(KEYS),
      entries: Sentries
    };
  }
}

if ((!LIBRARY || FORCED) && (BUGGY || VALUES_BUG || !proto[ITERATOR])) {
  hide(proto, ITERATOR, $default);
 ITERATOR, $default);
  }

if (DEFAULT) {
  methods = {
    values: DEF_VALUES ? $default : getMethod(VALUEs),
    keys: IS_SET ? $default : getMethod(KEYS),
    entries: Sentries
  };
  }

if ($export.P & $export.F * (BUGGY || VALUES_BUG), NAME, methods) {
  return methods;
}
Extend jQuery itself if only one argument is passed

Until ( i === length ) {
    // Only deal with non-null/undefined values
    if ( ( options = arguments[ i ] ) ) {
        // Extend the base object
        for ( name in options ) {
            // Prevent never-ending loop
            function ( target = this, name ) {
                // Don't bring in undefined values
                if ( copy !== undefined ) {
                    // Return the modified object
                    return this;
                }
            }
        }
    }
}

// Unique for each copy of jQuery on the page
jQuery.extend( deep, clone, copy );

// Return the modified object
return target;
isArrayLike( obj )

// Support: real iOS 8.2 only (not reproducible in simulator)
// inType( obj )
// isWindow( obj )

|| arrayType = inType( obj );

if ( isFunction( obj ) )

|| isWindow( obj )

|| arrayType === "array" || arrayType.length === 0

|| arrayType.length === 0 && ( length - 1 ) in obj

var Sizzle =
/*!
 * Sizzle CSS Selector Engine v2.3.3
 *
 * Copyright jQuery Foundation and other contributors
 *
 * Released under the MIT license
 *
 * Date: 2016-08-08
 */

(function( window ) {

var i,
	support,
	Expr,

toType,

isXML,

isXMLDoc,

isXSSafeDoc,

contains,

hasDuplicate,

isXMLDocIsHTML,

isXMLDocIsHTMLAndXSSafe,

isXMLDocIsXSSafe,

isXMLDocIsXSSafeAndHasDuplicate,

isXMLDocIsXML,

isXMLDocIsXMLAndXSSafe,

isXMLDocIsXMLAndXSSafeAndHasDuplicate,

isXMLDocIsXMLAndHasDuplicate,

isXMLDocIsXSSafeAndHasDuplicate,

isXMLDocIsHTMLAndHasDuplicate,

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escapedWhitespace ) { var vchar = \"\" + escaped - 0x10000; NaN means non-codepoint \n Control characters and (dependent upon position) numbers get escaped as code points \n Other potentially-special ASCII characters get backslash-escaped \n See setDocument() \n Removing the function wrapper causes a \n error in IE \n unloadHandler = function() { \n } \n // Otherwise append directly\n// (excepting DocumentFragment context)
// Try to shortcut find operations (as opposed to filters) in HTML documents
// qSA looks outside Element context, which is not what we want
// Thanks to Andrew Dupont for this workaround technique
// Support: IE <=8
// Exclude object elements \n here if

there is no isDisabled, check manually

```javascript
if ( !disabled & elem.disabledAnccestor( elem ) !== disabled ){
    return elem.disabled === disabled;
}
```

Try to winnow out elements that can't be disabled before trusting the disabled property.

```javascript
if (elem.nodeType === 9) {
    return true;
}
```

Remaining elements are neither enabled nor disabled:

```javascript
if ( elem.disabled === true ) {
    return false;
}
```

Checks a node for validity as a Sizzle context:

```javascript
function createPositionalPseudo( fn ) {
    return markFunction(function( argument ) {
        argument = +argument;
        return markFunction(function( seed, matches ) {
            var j,
                matchIndexes = fn( [], seed.length, argument ),
                i = matchIndexes.length;
            // Match elements found at the specified indexes
            while ( i-- ) {
                if (matches[j] = seed[j]) {
                    seed[j] = !(matches[j] = seed[j]);
                }
            }
        });
    });
}
```

Exposes support vars for convenience:

```javascript
support = Sizzle.support = {};
```

Detects XML nodes:

```javascript
isXML = Sizzle.isXML = function( elem ) {
    return elem.nodeName !== "HTML";
};
```

Sets document-related variables once based on the current document:

```javascript
setDocument = Sizzle.setDocument = function( node ) {
    hasCompare,
    subWindow,
    doc = node ? node.ownerDocument || node : preferredDoc;
    // Return early if doc is invalid or already selected
    if ( doc === document || doc.nodeType !== 9 || !doc.documentElement ) {
        return document;
    }
    // Update global variables
    document = doc;
    docElem = document.documentElement;
    documentIsHTML = !isXML( document );
    // Support: IE<9, Edge<10
    // Accessing iframe documents after unload throws "permission denied" errors
    // (jQuery #13936)
    if ( preferredDoc !== document &&
        subWindow = document.defaultView ) {
        subWindow.top !== subWindow ) {
            // Support: IE<9, Edge<10
            // Verify that getAttribute really returns attributes and not properties
            if ( typeof document.getAttributes !== "undefined" ) {
                assert(function( el ) {
                    el.getAttribute("class");
                });
                getElementsByClassByTag( document, "class" );
            } else {
                assert(function( el ) {
                    el.className = "class";
                });
            }
        }
    }
    // ID filter and find
    if ( support.getById ) {
        Expr.filter["ID"] = function( id, el ) {
            var node = typeof el.getAttributeNode !== "undefined" &&
                el.getAttributeNode("id");
            return node &&
```
node.value === attrId;\n\n\n// Verify the id attribute\n\n\n// Tag\n\n\n\n// Element\n\n\n\n\n// IE8\n\n\n
sensitivity of name attribute

Pending the implementation of the |name| attribute, IE 8's :disabled selector does not pick up the children of disabled fieldsets.

IE 11+ adds support for documentFragment

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```javascript
// Set document vars if needed
if ( ( elem.ownerDocument || elem ) !== document )

Sizzle.matches = function( expr, elements ) {
return Sizzle( expr, null, null, elements );
}

Sizzle.matchesSelector = function(

```

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```javascript
function condense( elems, preMap, preFilter, context, xml ) {
	var temp, i,
		len = elems.length,
		map = this.map || { },
		matches = this.matches || [],
		results = [],
		unmatched = this.unmatched || [],

	var doneName = done++;

	// If we have a postFinder, or filtered seed, or non-seed

	// Prefilter to get matcher input, preserving a map for seed-results synchronization

	// Get initial elements from

	// Check cache

	// Add combinator

	// Return the length of the invalid excess

	// Check against closest ancestor/preceding element

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2.3.3.3.3.1. https://promisesaplus.com/#point-57

2.3.3.3.3.2. https://promisesaplus.com/#point-57
thenables (cf. gh-3000)\n\n\n```
\n\n```

`\n```

thenables (cf. gh-3000) ( master.state() === "pending" || resolveValues[ i ] && resolveValues[ i ].then ) ) \n```

`\n```

if ( master.state() === "pending" ||

```
```

if ( master.reject ) {

```
```

return master.reject( error );
```

thenables (cf. gh-3000)
```
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1308

...
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 1309
src.type;

		// Events bubbling up the document may have been marked as prevented by a handler lower down the tree; reflect the correct value.

		if ( this.isDefaultPrevented ) {
			return true;
		}

		if ( src.defaultPrevented === undefined ) {
			return false;
		}

		if ( src.returnValue ) {
			return true;
		}

		// Create a timestamp if incoming event doesn't have one.
		this.timeStamp = src && src.timeStamp || Date.now();

		// Mark it as fixed if this[ jQuery.expando ] is true; 
		// it will be restored when jQuery.Event is destroyed.

		// Create properties on the event object
		// Support: Safari <=6 - 7 only
		// Target should not be a text node (#504, #13143)

		if ( src.nodeName ) {
			this.target = src.nodeName.parentNode;
		}

		this.currentTarget = src.currentTarget;
		this.relatedTarget = src.relatedTarget;

	// Event type
	} else {
		this.type = src;
	}

	// Put explicitly provided properties onto the event object
	if ( props ) {
		jQuery.extend( this, props );
	}

	// Create a timestamp if incoming event doesn't have one
	this.timeStamp = src && src.timeStamp || Date.now();

	// Make it as fixed if this[ jQuery.expando ] is true; 
	// it will be restored when jQuery.Event is destroyed.

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	if ( src.nodeName ) {
		this.target = src.nodeName.parentNode;
	}

	this.currentTarget = src.currentTarget;
	this.relatedTarget = src.relatedTarget;

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	} else {
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	}

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	// Mark it as fixed if this[ jQuery.expando ] is true; 
	// it will be restored when jQuery.Event is destroyed.

	// Create properties on the event object
	// Support: Safari <=6 - 7 only
	// Target should not be a text node (#504, #13143)

	if ( src.nodeName ) {
		this.target = src.nodeName.parentNode;
	}

	this.currentTarget = src.currentTarget;
	this.relatedTarget = src.relatedTarget;

	// Event type
	} else {
		this.type = src;
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	if ( props ) {
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	this.relatedTarget = src.relatedTarget;

	// Event type
	} else {
		this.type = src;
	}

	// Put explicitly provided properties onto the event object
	if ( props ) {
		jQuery.extend( this, props );
	}

	// Create a timestamp if incoming event doesn't have one
	this.timeStamp = src && src.timeStamp || Date.now();

	// Mark it as fixed if this[ jQuery.expando ] is true; 
	// it will be restored when jQuery.Event is destroyed.

	// Create properties on the event object
	// Support: Safari <=6 - 7 only
	// Target should not be a text node (#504, #13143)

	if ( src.nodeName ) {
		this.target = src.nodeName.parentNode;
	}

	this.currentTarget = src.currentTarget;
	this.relatedTarget = src.relatedTarget;

	// Event type
	} else {
		this.type = src;
	}

	// Put explicitly provided properties onto the event object
	if ( props ) {
		jQuery.extend( this, props );
	}

	// Create a timestamp if incoming event doesn't have one
	this.timeStamp = src && src.timeStamp || Date.now();

	// Mark it as fixed if this[ jQuery.expando ] is true; 
	// it will be restored when jQuery.Event is destroyed.

	// Create properties on the event object
	// Support: Safari <=6 - 7 only
	// Target should not be a text node (#504, #13143)

	if ( src.nodeName ) {
		this.target = src.nodeName.parentNode;
	}

	this.currentTarget = src.currentTarget;
	this.relatedTarget = src.relatedTarget;


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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  1312

```javascript
for ( ; ( elem = this[i] ) != null; i++ ) {
  if ( elem.nodeType === 1 ) {
    const target = manipulationTarget( this, elem );
    target.insertBefore( elem, this.nextSibling );
  }
}
```
Prevent memory leaks:

```
jQuery.cleanData( getAll( elem, false ) );
```

Remove any remaining nodes:

```
jQuery(elem).textContent = "\"\";
```

```

\n\n( function() {

    // Make the changes, replacing each non-ignored context element with the new content
    domManip( this, arguments, function( elem ) {

        // Support: Android <=4.0 only, PhantomJS 1 only
        // .get() because push.apply(_, arraylike) throws on ancient WebKit
        push.apply( ret, elem.get() );

        return this.pushStack( ret );
    } );

} );
```
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

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```

```
```
box, we're seeking \"padding\" or \"border\" or \"margin\" 

if ( !isBorderBox ) {

	delta += jQuery.css( elem, \"padding\" + cssExpand[ i ], true, styles );

	delta += jQuery.css( elem, \"border\" + cssExpand[ i ] + \"Width\", true, styles );

} else {

	delta -= jQuery.css( elem, \"border\" + cssExpand[ i ] + \"Width\", true, styles );

}

// Account for positive content-box scroll gutter when requested by providing 
computedVal = ( !isBorderBox && computedVal >= 0 ) 

function getWidthOrHeight( elem, dimension, extra ) {

// Start with computed style
var styles = getStyles( elem ),
val = curCSS( elem, dimension, styles ),
isBorderBox = jQuery.css( elem, \"boxSizing\", false, styles ) === \"border-box\",
valueIsBorderBox = isBorderBox;

// Support: Firefox <=54
// Return a confounding non-pixel value or feign ignorance, as appropriate.
if ( rnumnonpx.test( val ) ) {
	if ( !extra ) {
		val = val;
	}
	val = \"auto\";
}

// Check for style in case a browser which returns unreliable values\n// for getComputedStyle silently falls back to the reliable elem.style\nvalueIsBorderBox = valueIsBorderBox &&
	(support.boxSizingReliable() || val === elem.style[ dimension ]);

// Fall back to offsetWidth/offsetHeight when value is \"auto\";
// This happens for inline elements with no explicit setting (gh-3571)\n// Support: Android <=4.1 - 4.3 only
// Also use offsetWidth/offsetHeight for misreported inline dimensions (gh-3602)\nif ( val === \"auto\" ||
	!parseFloat( val ) && jQuery.css( elem, \"display\", false, styles ) !== \"inline\" ) {

	val = elem[ \"offset\" + dimension[ 0 ].toUpperCase() + dimension.slice( 1 ) ];

	// offsetWidth/offsetHeight provide border-box values
	valueIsBorderBox = true;
}

// Adjust for the element's box model
return ( val
	+boxModelAdjustment( elem, dimension, extra || ( isBorderBox ? \"border\" : \"content\" )
	null, isBorderBox, style, delta ) || 0 ) / 0;

}

jQuery.extend( {

cssHooks: {
	.opacity: {
		get: function( elem, computed ) {
			if ( computed ) {

				// We should always get a number back from opacity
				var ret = curCSS( elem, \"opacity\" );
				ret = parseFloat( ret ) || 0;
			// Convert +\"\" or -\"\" to relative numbers (#7345)
			type = typeof value;

				// Adjust for the element's box model
			return ( val
			+boxModelAdjustment( elem, \"content\", extra || ( isBorderBox ? \"border\" : \"content\" )
	null, isBorderBox, style, delta ) || 0 ) / 0;

}

});

};


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The provided text contains JavaScript code with several functions and hooks. The code is related to CSS properties and style manipulation. It includes methods for handling CSS properties, such as `get` and `set`, and provides hooks for specific CSS properties like `margin-left`, `padding`, and `border`. The code is designed to interact with styles obtained from the `getStyle` and `getStyleComputed` methods and to handle unit conversions and calculations for dimensions.

The code snippet is part of a larger framework and includes support for units, style properties, and layout calculations. It is used to ensure consistent and accurate rendering of web content, especially in scenarios where crosswork and change automation are involved.
return speed == null || typeof speed === 'boolean' ?
cssFn.apply( this, arguments ) :
this.animate( genFx( name, true ), speed, easing, callback );}

// Generate shortcuts for custom animations
jQuery.each( { 
'slideDown': genFx( 'show' ),'
'slideUp': genFx( 'hide' ),'
'slideToggle': genFx( 'toggle' ),
'tuftafeln': { opacity: 'show' },
'tuftafelOut': { opacity: 'hide' },
'tuftafelToggle': { opacity: 'toggle' }
}, function( name, props ) { jQuery.fn[ name ] = function( function( speed, easing, callback ) { return
this.animate( genFx( name, true ), speed, easing, callback ); })

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'tuftafeln': { opacity: 'show' },
'tuftafelOut': { opacity: 'hide' },
'}
document (e.g., not plain obj or detached DOM)
data[ dataType ] {
		var selected;
		inspected[ dataType ] = true;
		jQuery.each( structure[ dataType ] || [],

	var inspected = {},
		seekingTransport = ( structure === transports );

	function inspect(

			function for prefilters and transports
function inspectPrefiltersOrTransports( structure, options, originalOptions,

					structure[ dataType ] = structure[ dataType ] || []).push( func );
				}
			}
	};
}

// Base inspection

//requested
				if ( dataType[ 0 ] === "+" ) {
					dataType = dataType.slice( 1 ) || "*";
				( structure[

				while ( ( dataType = dataTypes[ i++ ] ) ) {

				// Prepend if

				s.dataTypes[ i++ ] ).toLowerCase().match( rnothtmlwhite ) || [];

		if ( isFunction( func ) ) {

			// For each

				dataTypeExpression = "*";

		}

		var dataType,
			i = 0,
			dataTypes =

function( dataTypeExpression, func ) {

		if ( typeof dataTypeExpression !== "string" ) {
			func =

			addToPrefiltersOrTransports( structure ) {

	// dataTypeExpression is optional and defaults to "*"
	return

	// elements!

	
					jQuery.each( a, function() {

						Represents the form elements for which jQuery is responsible to render into HTML (e.g. radio buttons, checkboxes).

						jQuery.extend(add, { name: elem.name, value: val.replace( rCRLF, "\r\n" ) } )

		} ).get();

	}
}

// Serialize an array of form elements or a set of
// key/values into a query string
jQuery.param = function( a, traditional ) {

	var prefix,\n\tinspected = function( key, valueOrFunction ) {

		return { name: elem.name, value: val.replace( rCRLF, "\r\n" ) };


	return s.join( "&" );

jQuery.fn.extend( {

	serialize: function() {
		return

	// Serialize form elements
	jQuery.each( this, function( i, elem ) {

	// Serialize scalar item.

	add( prefix, obj );

	} else if ( !traditional && toType( obj 

				var\n\ttodo;

							// Create an object literal

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```javascript
$.headers ) {
			jqXHR.setRequestHeader( i, s.headers[ i ] );
		}

		// Allow custom headers/mimetypes and 
				s.accepts[ "*" ] :
				( s.accepts[ s.dataTypes[0] ] ?
					s.accepts[ s.dataTypes[0] ] +
						( s.dataTypes[0] !== "*" ? ", " +
				server, depending on the dataType
		jqXHR.setRequestHeader( 
			"Accept",
			s.dataTypes[0] &&
				( s.contentType || "
		)

		// Set the Accepts header for the 
sent
		if ( s.data && s.hasContent && s.contentType !== false || options.contentType )

			// Remember the
		// Remove hash to simplify url manipulation
		cacheURL = s.url.replace( rhash,

		// More options handling for requests with no content
		if ( !s.hasContent ) {

			// Save the URL in case we're toying with the If-Modified-Since
		// and/or If-
type
		s.type = s.type.toUpperCase();

		// Determine if request has content
		s.hasContent =

		if ( s.url ) {

			// Remember the hash so we can put it back uncached = s.url.slice( cacheURL.length );

		// If data is available and should be processed, append data to url
		\( s.data && ( s.processData || typeof s.data === "string" ) \)

		// Alias method option to type as per ticket
		\( #15118 \)

```
jQuery( window ).removeProp( callbackName ); Otherwise restore preexisting value
jQuery( window ).overwritten( responseContainer[ 0 ] ); jQuery( window ).delegateToScript( $script );
Support: Safari 8 only
In Safari 8 documents created via document.implementation.createHTMLDocument() collapse sibling forms: the second one becomes a child of the first one.
Because of that, this security measure has to be disabled in Safari 8.
https://bugs.webkit.org/show_bug.cgi?id=137337
Suppport: Safari 8 only
In Safari 8 documents created via document.implementation.createHTMLDocument()

// Argument "data" should be string of html
// context (optional): If specified, the fragment will be created in this context,
defaults to document/
defaults to Script
// keepScripts (optional): If true, will include scripts passed in the html string
jQuery.parseHTML = function( data, context, keepScripts ) {
	if ( typeof data !== "string" ) {
		return [];}
	if ( typeof context === "boolean" ) {
		keepScripts = context;
		params = undefined;
	// Otherwise, build a param string
	} else if ( params && typeof params === "object" ) {
	
type = "POST";
	// If we have elements to modify, make the request
	if ( self.length > 0 ) {
		jQuery.ajax( {
			url: url,
			// If "type" variable is undefined, then "GET" method will be used.
			// Make value of this field explicit since
			// user can override it through ajaxSetup method
			type: || "GET",
			data: params
		} ).done( function( responseText ) {
			// Save response for use in complete callback
			response = arguments;
			self.html( selector ? jQuery( "<div>" ).append( jQuery.parseHTML( responseText ) ).find( selector ) :

				// Otherwise, build a param string
				responseText );

			// If the request succeeds, this function gets "data",
		"status", || "jqXHR","statusType", || "error","always"( callback && function( jqXHR, status ) )
				Attach a bunch of functions for handling common AJAX events in jQuery.each( { header: headers, ifModified: headers, async: true, xhrStatus: function( i, type ) { jQuery.fn[ type ] = function( fn ) { $script( this.on( type, fn ) ); } },$script( this.responseText ), this.readyState, this.responseText, this.setRequestHeader, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, this.onload, this.setRequestHeader, 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isFunction; jQuery.isWindow = isWindow; jQuery.camelCase = camelCase; jQuery.type = toType; jQuery.now = Date.now; jQuery.isNumeric = function (obj) {
    if (!obj) return false;
    if (typeof obj == "number") return true;
    if (obj == null || typeof obj != "object") return false;
    if (obj.nodeType == 1) return true;
    return isNumeric.call(this, obj);
};

jQuery.isWindow = isWindow;
jQuery.camelCase = camelCase;
jQuery.type = toType;
jQuery.now = Date.now;

jQuery.isNumeric = function (obj) {
    // As of jQuery 3.0, isNumeric is limited to strings and numbers (primitives or objects) to/
    // that can be coerced to finite numbers (gh-2662)
    var type = jQuery.type(obj);
    return (type === "number" || type === "string") &&
        // subtraction forces infinites to NaN
        !isNaN(obj - parseFloat(obj));
};

jQuery.now = Date.now;

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    var type = jQuery.type(obj);
    return (type == "number" || type == "string") &&
        // subtraction forces infinites to NaN
        !isNaN(obj - parseFloat(obj));
};
The code snippet is written in JavaScript and uses several modules and functions from the `lodash` library. It appears to be part of a larger application or library that is focused on working with objects and their properties. The snippet includes methods for checking if an object has a property, setting and clearing values, and checking if a value is an object. It also includes a function for comparing objects by their `toStringTag` to determine if they are equivalent. The code makes use of JavaScript features such as arrow functions, `let` and `const` variables, and the `Symbol` object. The snippet is self-contained and does not require additional context to understand its purpose. It seems to be part of a larger library or framework that deals with object manipulation and comparison.
@memberOf Hash
* @param {Object} hash The hash to modify.
* @returns {boolean} Returns `true` if the entry was removed, else `false`.
*

```javascript
function hashDelete(key) {
  var result = this.has(key) && delete this.__data__[key];
  this.size -= result ? 1 : 0;
  return result;
}
```

```javascript
module.exports = hashDelete;
```

```javascript
/**
 * The base implementation of `_.every` without support for iteratee shorthands.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} predicate The function invoked per iteration.
 * @returns {boolean} Returns `true` if all elements pass the predicate check, `false` else.
 */
function baseEvery(collection, predicate) {
  var result = true;
  baseEach(collection, function(value, index, collection) {
    result = !!predicate(value, index, collection);
    return result;
  });
  return result;
}
```

```javascript
module.exports = baseEvery;
```

```javascript
// call something on iterator step with safe closing on error
var anObject = require('./_an-object');
module.exports = function (iterator, fn, value, entries) {
  try {
    return entries ? fn(anObject(value)[0], value[1]) : fn(value);
  // 7.4.6 IteratorClose(iterator, completion)
  } catch (e) {
    var ret = iterator['return'];
    if (ret !== undefined) anObject(ret.call(iterator));
    throw e;
  }
};
```

```javascript
var getMapData = require('./_getMapData');

/**
 * Sets the map `key` to `value`.
 *
 * @private
 * @memberOf MapCache
 * @param {string} key The key of the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the map cache instance.
 */
function mapCacheSet(key, value) {
  var data = getMapData(this, key),
      size = data.size;

  data.set(key, value);
  this.size += data.size == size ? 0 : 1;
  return this;
}
```

```javascript
module.exports = mapCacheSet;
```

```javascript
/**
 * A specialized version of `matchesProperty` for source values suitable
 * for strict equality comparisons, i.e. `===`.
 *
 * @private
 * @param {string} key The key of the property to get.
 * @param {*} srcValue The value to match.
 * @returns {Function} Returns the new spec function.
 */
function matchesStrictComparable(key, srcValue) {
  return function(object) {
    if (object == null) {
      return false;
    }
    return object[key] === srcValue &&
      (srcValue !== undefined || (key in Object(object)));
  };
}
```

```javascript
module.exports = matchesStrictComparable;
```

```javascript
'use strict';
var hide = require('./_hide');
var redefine = require('./_redefine');
var fails = require('./_fails');
var defined = require('./_defined');
var wks = require('./_wks');

module.exports = function (KEY, length, exec) {
  var SYMBOL = wks(KEY);
  var fns = exec(defined, SYMBOL, ''[KEY]);
  var strfn = fns[0];
  var rxfn = fns[1];
  if (fails(function () {
    var O = {};
    O[SYMBOL] = function () { return 7; }
    return ''[KEY](O) != 7;
  })) {
    redefine(String.prototype, KEY, length == 2
      // 21.2.5.8 RegExp.prototype[@@replace](string, replaceValue)
      // 21.2.5.9 RegExp.prototype[@@search](string)
      ? function (string) { return rxfn.call(string, this); }
      // 21.2.5.6 RegExp.prototype[@@match](string)
      : function (string) { return rxfn.call(string, this); })
  }
  return 'use strict';
  OBJECT.prototype = require('exported')('Object.assign')
};
```

```javascript
var compareAscending = require('./_compareAscending');

/**
 * Used by `_.orderBy` to compare multiple properties of a value to another
 * and stable sort them.
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @returns {number} Returns the sort order indicator for `object`.
 */
function compareMultiple(object, other, orders) {
  var index = -1,
      objCriteria = object.criteria,
      othCriteria = other.criteria,
      length = objCriteria.length,
      othLength = othCriteria.length,
      length = length + othLength,
      while (++index < length) {
    var result = compareAscending(objCriteria[index], othCriteria[index]);
    if (result) {
      if (index >= ordersLength) {
        return result;
      }
      var order = orders[index];
      return result * (order == 'desc' ? -1 : 1);
    }
  }
  // Fixes an 'Array#sort' bug in the JS engine embedded in Adobe applications
  // that causes it, under certain circumstances, to provide the same value for
  // 'object' and 'other'. See https://github.com/jashkenas/underscore/pull/1247
  // for more details.
  return compareMultiple(object, other);
}
```

```javascript

```
in method references for those with the same name as other `lodash` methods.

```javascript
var nativeMax = Math.max;
var arrayIndex = 0;

/**
 * A specialized version of `_.hasIn` which queries multiple chain
 * members of a structure, each separated by `memberSeparator`.
 *
 * @param {Object} object The object to query.
 * @param {Array} keys The array of keys to query.
 * @param {string} memberSeparator The separator between each key.
 * @returns {boolean} Returns `true` if any of the keys exist, else `false`.
 */
function hasIn(object, keys, memberSeparator) {
  var length = keys.length;
  var index = -1;
  while (++index < length) {
    var key = keys[index];
    if (key == null) return false;
    var nextKey = key + (key == keys[index] ? memberSeparator : '');// `lodash`
    if (key in object) { object = object[key];
    } else if (nextKey in object) { object = object[nextKey];
    } else { return false;
    }
  }
  return true;
}

module.exports = hasIn;
```

```javascript
// getting tag from 19.1.3.6 Object.prototype.toString()
var toStringTag = 'Number';

module.exports = function (it) {
  return toStringTag; // returns 'Number'
};
```

```javascript
var baseFor = require('./_baseFor'),
    values = require('./_values');

/**
 * The main implementation of `_.forIn` which iterates over `object`
 * properties in `Array.prototype.forEach` order (as specified by `List`).
 *
 * @private
 * @param {Object} object The object to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Object} Returns `object`.
 */
function forIn(object, iteratee) {
  return object && baseFor(object, iteratee, values);
}

module.exports = forIn;
```

```javascript
var nativeCreate = require('./_nativeCreate');

/**
 * Checks if the native `Object.create` method exists and returns the
 * function if it does.
 *
 * @returns {Function} Returns the native `Object.create` function.
 */
function createObjectCreate() {
  return nativeCreate ? nativeCreate
```

The code snippet includes various functions and methods related to object manipulation, such as `hasIn`, `forIn`, and `createObjectCreate`. These functions are typical in JavaScript for handling object properties and methods, often used for deep object properties retrieval or iteration. The snippet is part of a larger codebase, possibly from a library that provides utility functions for common JavaScript operations. The specific parts of the code such as `hasIn` and `forIn` are designed to handle deep object property queries, while `createObjectCreate` seems to be a utility for checking if the native `Object.create` is available. The context suggests that this code is part of a library that facilitates various JavaScript utility functions, possibly for a larger application or framework. The code is well-structured and follows JavaScript conventions, making it clear and readable.
```
1,
    result = Array(n);

  while (++index < n) {
    result[index] = iteratee(index);
  }
  return
```

```
module.exports = baseTimes;
```
The key-value pairs to cache.

```javascript
function ListCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;
  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `ListCache.prototype.clear`.
ListCache.prototype['delete'] = listCacheDelete;
ListCache.prototype['get'] = listCacheGet;
ListCache.prototype['has'] = listCacheHas;
ListCache.prototype.set = listCacheSet;
module.exports = ListCache;
```

```javascript
var getNative = require('./_getNative');

/* Built-in method references that are verified to be native. */
var nativeCreate = getNative(Object, 'create');

module.exports = nativeCreate;
```

```javascript
var shared = require('./_shared')('keys');
var uid = require('./_uid');
module.exports = function (key) {
  return shared[key] || (shared[key] = uid(key));
};
```

```javascript
"use strict";

var _undefined = require("../function/noop")(); // Support ES3 engines

module.exports = function (val) {
  return (val !== _undefined) && (val !== null);
};
```

```javascript
module.exports = function(module) {
  if (!module.webpackPolyfill) {
    module.deprecate = function() {};
    module.paths = [];
    // module.parent = undefined by default
    if (!module.children) module.children = [];
    Object.defineProperty(module, "loaded", {
      enumerable: true,
      get: function() {
        return module.l;
      }
    });
    Object.defineProperty(module, "id", {
      enumerable: true,
      get: function() {
        return module.i;
      }
    });
    module.webpackPolyfill = 1;
  }
  return module;
};
```

```javascript
var baseIsMatch = require('./_baseIsMatch'),
    getMatchData = require('./_getMatchData'),
    matchesStrictComparable = require('./_matchesStrictComparable');

/**
 * The base implementation of `_.matches` without support for default
 * values.
 *
 * @private
 * @param {Object} source The object of property values to match.
 * @returns {Function} Returns the new spec function.
 */
function baseMatches(source) {
  var matchData = getMatchData(source);
  if (matchData.length == 1 && matchData[0][2]) {
    return matchesStrictComparable(matchData[0][0], matchData[0][1]);
  }
  return function(object) {
    return object === source || baseIsMatch(object, source, matchData);
  };
}
```

```javascript
var castPath = require('./_castPath'),
    toKey = require('./_toKey');

/**
 * A specialized version of `_.every` for arrays without support
 * for iteratee shorthands.
 *
 * @private
 * @param {Array} [array] The array to iterate over.
 * @param {Function} predicate The function invoked per iteration.
 * @returns {boolean} Returns `true` if all
```
elements pass the predicate check, \n * else 'false'. \n */
definition function arrayEvery(array, predicate) { \n var index = -1; \n length = array.length; \n while (++index < length) { \n   if (!predicate(array[index], index, array)) { \n     return false; \n   } \n } \n return true; \n}
definition module.exports = arrayEvery;"
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```
the array-like `value`.  

```
@private
* @name has
* @memberOf Hash
* @param {string} key The key of the entry to check.
* @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
*/
function hashHas(key) {
  var data = this.__data__;
  return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data, key);
}

module.exports = hashHas;

(function (global, factory) {
  typeof exports === 'object' && typeof module !== 'undefined' ? factory(exports, require('@fortawesome/fontawesome')) :
  typeof define === 'function' && define.amd ? define(['exports', '@fortawesome/fontawesome'], factory) :
  (factory((global['vue-fontawesome'] = {}),global.FontAwesome));
}(this, (function (exports,fontawesome) { 'use strict';

fontawesome = fontawesome && fontawesome.hasOwnProperty('default') ? fontawesome['default'] : fontawesome;


function createCommonjsModule(fn, module) {
  return module = { exports: {} }, fn(module, module.exports), module.exports;
}

var humps = createCommonjsModule(function (module)
{
// =========
// = humps =
// =========
// Underscore-to-camelCase converter (and vice versa)

// humps is copyright © 2012+ Dom Christie
// Released under the MIT license.


(function(global) {

  var _processKeys = function(convert, obj, options) {
    if(!_isObject(obj) || _isDate(obj) || _isRegExp(obj) || _isBoolean(obj) || _isFunction(obj)) {
      return obj;
    }

    var output,
        i = 0,
        l = 0;

    if(_isArray(obj)) {
      output = [];
      for(l=obj.length; i<l; i++) {
        output.push(_processKeys(convert, obj[i], options));
      }
    }
    else {
      output = {};
      for(var key in obj) {
        var output[key] = _processKeys(convert, obj[key], options);
      }
    }
    return output;
  };

  // String conversion methods

  var separateWords = function(string, options) {
    options = options || {};
    var separator = options.separator || '_';
    var split = options.split || /(?=[A-Z])/;

    return string.split(split).join(separator);
  };

  var camelize = function(string) {
    if (_isNumerical(string)) {
      return string;
    }
    string = string.replace(/(?<=\[\-_\s]+)[^\w]/g, function(chr) {
      return chr ? chr.toUpperCase() : '';
    });
    // Ensure 1st char is always lowercase
    return string.substr(0, 1).toLowerCase() + string.substr(1);
  };

  var pascalize = function(string) {
    var camelized = camelize(string);
    // Ensure 1st char is always uppercase
    return camelized.substr(0, 1).toUpperCase() + camelized.substr(1);
  };

  var decamelize = function(string, options) {
    return separateWords(string, options).toLowerCase();
  };

  // Utilities

  var _isFunction = function(obj) {
    return typeof(obj) === 'function';
  };
  var _isObject = function(obj) {
    return obj === Object(obj);
  };
  var _isArray = function(obj) {
    return toString.call(obj) == '[object Array]';
  };
  var _isDate = function(obj) {
    return toString.call(obj) == '[object Date]';
  };
  var _isRegExp = function(obj) {
    return toString.call(obj) == '[object RegExp]';
  };
  var _isBoolean = function(obj) {
    return toString.call(obj) == '[object Boolean]';
  };
  var _isNumerical = function(obj) {
    obj = obj - 0;
    return obj === obj;
  };

  // Sets up function which handles processing keys
  // allowing the convert function to be modified by
  // a callback

  var _processor = function(convert, options) {
    var callback = options && 'process' in options ? options.process : options;

    if(typeof(callback) !== 'function') {
      return convert;
    }

    return function(string, options) {
      return callback(string, convert, options);
    }
  };

  var humps = {
    camelize: camelize,
    decamelize: decamelize,
    pascalize: pascalize,
    depascalize: decamelize,
    camelizeKeys: function(object, options) {
      return _processKeys(_processor(camelize, options), object);
    },
    decamelizeKeys: function(object, options) {
      return _processKeys(_processor(decamelize, options), object);
    },
  }

  if (typeof undefined === 'function' && 'amd' in undefined) {
    undefined.amd = true;
  } else if (object !== 'undefined' && module.exports) {
    module.exports = humps;
  }

})(commonjsGlobal);

var _typeof = typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol' ? function (obj) {
  return typeof obj;
} : function (obj) {
  return typeof Symbol === 'function' && typeof Symbol.iterator === 'undefined' ? (typeof obj === 'function' && obj.call(this, arguments)) || (typeof Symbol === 'function' && obj instanceof Symbol) || typeof Object === 'function' && typeof Object.prototype.toString === 'function' && Object.prototype.toString.call(obj) === '[object Symbol]' ? 'symbol' : typeof obj;
};
convertCurry = convert.bind(null, createElement);

    return convertCurry(abstract[0], {}, context.data);

var global = require('./_global');
var dP = require('./_object-dp');
var SPECIES = require('./_wks')('species');

module.exports = function (KEY) {
  var C = global[KEY];
  if (DESCRIPTORS && C && !C[SPECIES]) dP.f(C, SPECIES, {
    configurable: true,
    get: function () { return this; }
  });
}

mapCacheClear = require('./_mapCacheClear');
mapCacheGeneric = require('./_mapCacheGet');
mapCacheHas = require('./_mapCacheHas');
mapCacheSet = require('./_mapCacheSet');

/**
 * Creates a map cache object to store key-value pairs.
 *
 * @private
 * @constructor
 * @param {Array} entries The key-value pairs to cache.
 */
function MapCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to `MapCache`.
MapCache.prototype.clear = mapCacheClear;
MapCache.prototype['delete'] = mapCacheDelete;
MapCache.prototype.get = mapCacheGet;
MapCache.prototype.has = mapCacheHas;
MapCache.prototype.set = mapCacheSet;

module.exports = MapCache;

var Stack = require('./_Stack'),
equalArrays = require('./_equalArrays'),
equalByTag = require('./_equalByTag'),
equalObjects = require('./_equalObjects'),
getTag = require('./_getTag'),
isArray = require('./isArray'),
isBuffer = require('./isBuffer'),
isTypedArray = require('./isTypedArray');

/**
 * A specialized version of `baseIsEqual` for arrays and objects which performs deep comparisons and tracks traversed objects enabling objects with circular references to be compared. A specialized version of `baseIsEqual` for arrays and objects which performs deep comparisons and tracks traversed objects enabling objects with circular references to be compared.
 *
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {number} bitmask The bitmask flags.
 * @param {Function} customizer The function to customize comparisons.
 * @param {Function} equalFunc The function to determine equivalents of values.
 * @param {Object} [stack] Tracks traversed `object` and `other` objects.
 */
function baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
  if (isBuffer(object) || isTypedArray(object))
    return equalArrays(object, other, bitmask, customizer, equalFunc, stack);
  if (isObject(object) && isObject(other) && isPartialObject(object, other))
    return baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack);
}

module.exports = baseIsEqualDeep;
delete
 * @memberOf MapCache
 * @param {string} key The key of the value to remove.
 * @return {boolean} Returns `true` if the entry was removed, else `false`.
 */
function mapCacheDelete(key) {
  var result
    = getMapData(this, key)[delete](key);
  if (result) {
    return true;
  }
  return false;
}
instances

```
instance = defineProperty(HiddenSymbol.prototype, SymbolPolyfill.toStringTag, { 
  value: 'c', 
  enumerable: false 
});
```

```
var isArrayLike = require('./isArrayLike');
```
new TypeError("Cannot use null or undefined");

function baseMap(collection, iteratee) {
  var index = -1,
      result = isArrayLike(collection) ? Array(collection.length) : [
    ];

  baseEach(collection, function(value, key, collection) {
    result[++index] = iteratee(value, key, collection);
  });
  return result;
}

module.exports = baseMap;

function createBaseFor(fromRight) {
  return function(object, iteratee, keysFunc) {
    var index = -1,
        iterable = Object(object),
        props = keysFunc(object),
        length = props.length;

    while (length--) {
      var key = props[fromRight ? length : ++index];
      if (iteratee(iterable[key], key, iterable) === false) {
        break;
      }
    }
    return object;
  };
}

module.exports = createBaseFor;

var freeGlobal = require('./_freeGlobal');

var freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;

var freeModule = freeExports && typeof module == 'object' && module && !module.nodeType && module;

var moduleExports = freeModule && freeExports === freeModule;

var freeProcess = moduleExports && freeGlobal.process;

var nodeUtil = (function() {
  try {
    // Use `util.types` for Node.js 10+.
    var types = freeModule && freeModule.require && freeModule.require('util').types;

    if (types) {
      return types;
    }

    // Legacy `process.binding('util')` for Node.js < 10.
    return freeProcess && freeProcess.binding && freeProcess.binding('util');
  } catch (e) {}
}());

module.exports = nodeUtil;

var eq = require('./eq'),
    isArrayLike = require('./isArrayLike'),
    isIndex = require('./_isIndex'),
    isObject = require('./isObject');

function isIterateeCall(value, index, object) {
  if (!isObject(object)) {
    return false;
  }
  var type = typeof index;
  if (type == 'number'
        ? (isArrayLike(object) && isIndex(index, object.length))
        : (type == 'string' && index in object)
      ) {
    return eq(object[index], value);
  }
  return false;
}

module.exports = isIterateeCall;

var baseGet = require('./_baseGet');

function get(object, path, defaultValue) {
  var result = object == null ? undefined : baseGet(object, path);
  return result === undefined ? defaultValue : result;
}

module.exports = get;

// 22.1.3.31 Array.prototype[@@unscopables]
var UNSCOPABLES = require('./_wks')('unscopables');
var ArrayProto = Array.prototype;
if (ArrayProto[UNSCOPABLES] == undefined) require('./_hide')(ArrayProto, UNSCOPABLES, {});
module.exports = function (key) {
  ArrayProto[UNSCOPABLES][key] = true;
};

module.exports = function (exec) {
  try {
    return { e: false, v: exec() };
  } catch (e) {
    return { e: true, v: e };  
  }
};

// 7.1.15 ToLength
var toInteger = require('./_to-
/*
 * Creates an array of own enumerable property names and symbols of `object`.
 * @template {Object} object
 * @returns {Array} Returns the array of property names and symbols.
 * @function getOwnPropertyNames
 * @param {Object} object
 * @returns {Array} Returns the array of property names and symbols.
 */

var $export = require('./_export');
var defined = require('./_defined');
var fails = require('./_fails');
var spaces = require('./_string-ws');
var space = '\[' + spaces + '\]';
var non = '\u200b\u0085';
var ltrim = RegExp('^' + space + space + '*');
var rtrim = RegExp(space + space + '*$');

var exporter = function (KEY, exec, ALIAS) {
  var exp = {};
  var FORCE = fails(function () {
    return !!spaces[KEY]() || non[KEY]() != non;
  });
  var fn = exp[KEY] = FORCE ? exec(trim) : spaces[KEY];
  if (ALIAS) exp[ALIAS] = fn;
  $export($export.P + $export.F * FORCE, 'String', exp);
};

// 1 -> String#trimLeft
// 2 -> String#trimRight
// 3 -> String#trim
var trim = exporter.trim = function (string, TYPE) {
  string = String(defined(string));
  if (TYPE & 1) string = string.replace(ltrim, '');
  if (TYPE & 2) string = string.replace(rtrim, ')
');

// 7.2.8 IsRegExp(argument)
var isObject = require('./_is-object');
var cof = require('./_cof');
var MATCH = require('./_wks')('match');
module.exports = function (it) {
  var isRegExp;
  return isObject(it) && ((isRegExp = it[MATCH]) !== undefined) ? !!isRegExp : cof(it) == 'RegExp';
};

/**
 * The base implementation of `_.unary` without support for storing metadata.
 *
 * @private
 * @param {Function} func The function to cap arguments for.
 * @returns {Function} Returns the new capped function.
 */
function baseUnary(func) {
  return function(value) {
    return func(value);
  };
}

module.exports = baseUnary;

'"use strict";
Object.defineProperty(exports, '__esModule', { value: true });
var prefix = 'fas';
var iconName = 'clipboard';
var width = 384;
var height = 512;
var ligatures = []; var unicode = 'f328'; var svgPathData = 'M384 112v352c0 26.51-21.49 48-48 48H48c-26.51 0-48-21.49-48-48V112c0-26.51 21.49-48 48-48h80c0-35.29 28.71-64 64-64s64 28.71 64 64h80c26.51 0 48-21.49 48-48zM192 40c-13.255 0-24 10.745-24 24s10.745 24 24 24 24-10.745 24-24-10.745-24-24-24m96 114v-20a6 6 0 0 0-6 6H102a6 6 0 0 0 6 6h180a6 6 0 0 0 6-6z';

exports.definition = {
  prefix: prefix,
  iconName: iconName,
  icon: [
    width,
    height,
    ligatures,
    unicode,
    svgPathData
  ];

exports.faClipboard = exports.definition;
exports.prefix = prefix;
exports.iconName = iconName;
exports.width =
Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass; }\n\n/**\n * Base class which
takes one or more elements, adds event listeners to them,\n * and instantiates a new `ClipboardAction` on each
click.\n */\nvar Clipboard = function (_Emitter) {\n _inherits(Clipboard, _Emitter);\n\n /**\n * @param
{String|HTMLElement|HTMLCollection|NodeList} trigger\n * @param {Object} options\n */\n function
Clipboard(trigger, options) {\n
_classCallCheck(this, Clipboard);\n\n
var _this =
_possibleConstructorReturn(this, (Clipboard.__proto__ || Object.getPrototypeOf(Clipboard)).call(this));\n\n
_this.resolveOptions(options);\n
_this.listenClick(trigger);\n
return _this;\n }\n\n /**\n * Defines if
attributes would be resolved using internal setter functions\n * or custom functions that were passed in the
constructor.\n * @param {Object} options\n */\n\n\n _createClass(Clipboard, [{\n
key:
'resolveOptions',\n
value: function resolveOptions() {\n
var options = arguments.length > 0 &&
arguments[0] !== undefined ? arguments[0] : {};\n\n
this.action = typeof options.action === 'function' ?
options.action : this.defaultAction;\n
this.target = typeof options.target === 'function' ? options.target :
this.defaultTarget;\n
this.text = typeof options.text === 'function' ? options.text : this.defaultText;\n
this.container = _typeof(options.container) === 'object' ? options.container : document.body;\n
}\n\n
/**\n
* Adds a click event listener to the passed trigger.\n
* @param
{String|HTMLElement|HTMLCollection|NodeList} trigger\n
*/\n\n }, {\n
key: 'listenClick',\n
value:
function listenClick(trigger) {\n
var _this2 = this;\n\n
this.listener = (0,
_goodListener2.default)(trigger, 'click', function (e) {\n
return _this2.onClick(e);\n
});\n
}\n\n
/**\n
* Defines a new `ClipboardAction` on each click event.\n
* @param {Event} e\n
*/\n\n },
{\n
key: 'onClick',\n
value: function onClick(e) {\n
var trigger = e.delegateTarget ||
e.currentTarget;\n\n
if (this.clipboardAction) {\n
this.clipboardAction = null;\n
}\n\n
this.clipboardAction = new _clipboardAction2.default({\n
action: this.action(trigger),\n
target:
this.target(trigger),\n
text: this.text(trigger),\n
container: this.container,\n
trigger:
trigger,\n
emitter: this\n
});\n
}\n\n
/**\n
* Default `action` lookup function.\n
*
@param {Element} trigger\n
*/\n\n }, {\n
key: 'defaultAction',\n
value: function
defaultAction(trigger) {\n
return getAttributeValue('action', trigger);\n
}\n\n
/**\n
* Default
`target` lookup function.\n
* @param {Element} trigger\n
*/\n\n }, {\n
key: 'defaultTarget',\n
value: function defaultTarget(trigger) {\n
var selector = getAttributeValue('target', trigger);\n\n
if
(selector) {\n
return document.querySelector(selector);\n
}\n
}\n\n
/**\n
* Returns the
support of the given action, or all actions if no action is\n
* given.\n
* @param {String} [action]\n
*/\n\n }, {\n
key: 'defaultText',\n\n\n
/**\n
* Default `text` lookup function.\n
* @param
{Element} trigger\n
*/\n
value: function defaultText(trigger) {\n
return getAttributeValue('text',
trigger);\n
}\n\n
/**\n
* Destroy lifecycle.\n
*/\n\n }, {\n
key: 'destroy',\n
value:
function destroy() {\n
this.listener.destroy();\n\n
if (this.clipboardAction) {\n
this.clipboardAction.destroy();\n
this.clipboardAction = null;\n
}\n
}\n }], [{\n
key:
'isSupported',\n
value: function isSupported() {\n
var action = arguments.length > 0 && arguments[0]
!== undefined ? arguments[0] : ['copy', 'cut'];\n\n
var actions = typeof action === 'string' ? [action] : action;\n
var support = !!document.queryCommandSupported;\n\n
actions.forEach(function (action) {\n
support = support && !!document.queryCommandSupported(action);\n
});\n\n
return support;\n
}\n }]);\n\n return Clipboard;\n}(_tinyEmitter2.default);\n\n/**\n * Helper function to retrieve attribute value.\n
* @param {String} suffix\n * @param {Element} element\n */\n\n\nfunction getAttributeValue(suffix, element) {\n
var attribute = 'data-clipboard-' + suffix;\n\n if (!element.hasAttribute(attribute)) {\n
return;\n }\n\n return
element.getAttribute(attribute);\n}\n\nmodule.exports = Clipboard;\n\n/***/ }),\n/* 1 */\n/***/ (function(module,
exports, __webpack_require__) {\n\n\"use strict\";\n\n\nvar _typeof = typeof Symbol === \"function\" && typeof
Symbol.iterator === \"symbol\" ? function (obj) { return typeof obj; } : function (obj) { return obj && typeof
Symbol === \"function\" && obj.constructor === Symbol && obj !== Symbol.prototype ? \"symbol\" : typeof obj;
};\n\nvar _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++)
{ var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if

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the trigger, removes current selection.

    }, {
        key: 'clearSelection',
        value: function
            });
        }

        /**
         * Moves focus away from `target` and back to
         * @param {Object} options
         * @param {Function} callback
         * @return {Object} options
         */

    }, {
        key: 'handleResult',
        value: function handleResult(succeeded) {
            this.emitter.emit(succeeded ? 'success' : 'error', {

                copy operation result.
         * @param {Boolean} succeeded
         */

    }, {
        key: 'copyText',
        value: function copyText() {

            var succeeded = void 0;

            try {
                succeeded = document.execCommand(this.action);
            } catch (err) {
                succeeded = false;
            }

            this.handleResult(succeeded);
        }

        /**
         * Returns the text from `target`.
         * @param {Object} options
         * @param {Function} callback
         * @return {Object} options
         */

    }, {
        key: 'resolveOptions',
        value: function resolveOptions() {

            var options = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

            this.action = options.action;
            this.container = options.container;
            this.emitter = options.emitter;
            this.target = options.target;

            this.selectedText = '';

            if (this.text) {
                this.selectFake();
            } else if (this.target) {

                this.selectTarget();
            }

            this.initSelection();
        }

        /**
         * Defines which selection strategy is going to be applied based on
         * the existence of `text` and `target` properties.
         * @param {Object} options
         * @return {Object} options
         */

    }, {
        key: 'initSelection',
        value: function initSelection() {

            var key = 'initSelection',

            var value: function selectTarget() {

                this.selectedText = (0, _select2.default)(this.target);

                this.container.removeChild(this.fakeElem);
                this.fakeElem = null;
            }
        }

        /**
         * Creates a fake textarea element, sets its value from `text`
         * @param {Object} options
         * @return {Object} options
         */

    }, {
        key: 'selectFake',
        value: function selectFake() {

                this.selectedText = (0, _select2.default)(this.fakeElem);

                this.container.appendChild(this.fakeElem);

                this.selectedText = (0, _select2.default)(this.fakeElem);

                this.container.removeChild(this.fakeElem);
                this.fakeElem = null;
            }
        }

        /**
         * Only removes the fake element after another click event, that
         * way a user can hit `Ctrl+C` to copy because selection still exists.
         * @param {Object} options
         * @return {Object} options
         */

    }, {
        key: 'removeFake',
        value: function removeFake() {

                this.fakeElem.removeChild(this.fakeElem);
                this.fakeElem = null;
            }
        }

        /**
         * Selects the content from element passed on `target` property.
         * @param {Object} options
         * @return {Object} options
         */

    }, {
        key: 'selectTarget',
        value: function selectTarget() {

                this.selectedText = (0, _select2.default)(this.target);

                this.copyText();
            }
        }

        /**
         * Executes the copy operation based on the current selection.
         * @param {Object} options
         * @return {Object} options
         */

    }, {
        key: 'copyText',
        value: function copyText() {

                var succeeded = void 0;

                try {
                    succeeded = document.execCommand(this.action);
                } catch (err) {
                    succeeded = false;
                }

                this.handleResult(succeeded);
            }
        }

        /**
         * Fires an event based on the copy operation result.
         * @param {Boolean} succeeded
         * @return {Object} options
         */

    }, {
        key: 'handleResult',
        value: function handleResult(succeeded) {

                this.emitter.emit(succeeded ? 'success' : 'error', {

                    action: this.action,
                    text: this.selectedText,
                    trigger: this.trigger,
                    clearSelection: this.clearSelection.bind(this)
                });
            }
        }

        /**
         * Moves focus away from `target` and back to
         * source.
         * @param {Object} options
         * @return {Object} options
         */

    }, {
        key: 'clearSelection',
        value: function clearSelection() {

                this.emitter.emit('clearSelection', {

                    key: 'clearSelection',
                    value: function
callback

```javascript

function listen(target, type, callback) {
    if (!target || !type || !callback)
        throw new Error('Missing required arguments');

    if (!is.string(type))
        throw new TypeError('Second argument must be a String');

    if (!is.fn(callback))
        throw new TypeError('Third argument must be a Function');

    if (is.node(target))
        return listenNode(target, type, callback);
    else if (is.nodeList(target))
        return listenListNode(target, type, callback);
    else if (is.string(target))
        return listenSelector(target, type, callback);
    else
        throw new TypeError('First argument must be a String, HTMLElement, HTMLCollection, or NodeList');

    *function listenNode(node, type, callback) {
        node.addEventListener(type, callback);

        return {
            destroy: function() {
                node.removeEventListener(type, callback);
            }
        }
    }

    *function listenNodeList(nodeList, type, callback) {
        Array.prototype.forEach.call(nodeList, function(node) {
            node.addEventListener(type, callback);
        });

        return {
            destroy: function() {
                Array.prototype.forEach.call(nodeList, function(node) {
                    node.removeEventListener(type, callback);
                });
            }
        }
    }

    *function listenSelector(selector, type, callback) {
        return delegate(document.body, selector, type, callback);
    }

    module.exports = listen;
}
```

*/

```javascript

function delegate(elements, selector, type, callback, useCapture) {
    // Handle the regular Element usage
    if (typeof elements.addEventListener === 'function') {
        return _delegate.apply(null, arguments);
    }

    // Handle Element-less usage, it defaults to global delegation
    if (typeof type === 'function') {
        // Use `document` as the first parameter, then apply arguments
        // This is a short way to .unshift `arguments`
        // without running into deoptimizations
        return delegate.call(document, elements, selector, type, callback, useCapture);
    }

    // Handle Selector-based usage
    if (typeof elements === 'string') {
        elements = document.querySelector(elements);
    }

    // Handle Array-like based usage
    return Array.prototype.map.call(elements, function(element) {
        return _delegate(element, selector, type, callback, useCapture);
    });
}
```
function listener(element, selector, type, callback) {
    return function(e) {
        e.delegateTarget = closest(e.target, selector);
        if (e.delegateTarget) {
            var proto = Element.prototype;
            proto.matches = proto.matchesSelector ||
            proto.mozMatchesSelector ||
            proto.msMatchesSelector ||
            proto.oMatchesSelector ||
            proto.webkitMatchesSelector;
        }
        e.delegateTarget = closest(e.target, selector);
        if (e.delegateTarget) {
            callback.call(element, e);
        }
    }
}

module.exports = delegate;

function closest (element, selector) {
    while (element && element.nodeType !== DOCUMENT_NODE_TYPE) {
        if (typeof element.matches === 'function' &&
            element.matches(selector)) {
            return element;
        }
        element = element.parentNode;
    }
}

module.exports = closest;

var isSymbol = require('./is-symbol');

module.exports = function (value) {
    if (!isSymbol(value)) throw new TypeError(value + " is not a symbol");
    return value;
};

var assocIndexOf = require('./_assocIndexOf');

function listCacheGet(key) {
    var data = this.__data__,
    index = assocIndexOf(data, key);
    return index < 0 ? undefined : data[index][1];
}

module.exports = listCacheGet;

var baseMatches = require('./_baseMatches'),
    baseMatchesProperty = require('./_baseMatchesProperty'),
    identity = require('./identity'),
    isArray = require('./isArray'),
    property = require('./property');

function baseIteratee(value) {
    if (typeof value == 'function') {
        return value;
    }
    if (value == null) {
        return identity;
    }
    if (typeof value == 'object') {
        return isArray(value)
            ? baseMatchesProperty(value[0], value[1])
            : baseMatches(value);
    }
    return property(value);
}

module.exports = baseIteratee;

var nativeCreate = require('./_nativeCreate');

function hashGet(key) {
    var data = this.__data__;
    if (nativeCreate) {
        var result = data[key];
        return result === HASH_UNDEFINED ? undefined : result;
    }
    return hasOwnProperty.call(data, key) ?
        data[key] : undefined;
}

module.exports = hashGet;

function _defineProperties(target, props) {
    for (var i = 0; i < props.length; i++) {
        var descriptor = props[i];
        descriptor.enumerable = descriptor.enumerable || false;
        descriptor.configurable = true;
        if ('value' in descriptor) descriptor.writable = true;
        Object.defineProperty(target, descriptor.key, descriptor);
    }
}

export
default function _createClass(Constructor, protoProps, staticProps) {
  if (protoProps)
    _defineProperties(Constructor, protoProps, staticProps);
  if (staticProps)
    _defineProperties(Constructor, staticProps);
  return Constructor;
}

_var baseIsEqualDeep = require('./_baseIsEqualDeep'),
_isObjectLike = require('./isObjectLike');

/**
 * The base implementation of `_.isEqual` which supports partial comparisons
 * and tracks traversed objects.
 *
 * @private
 * @param {*} value The value to compare.
 * @param {*} other
 * @param {boolean} [_cmp] The function to customize comparisons.
 */
function baseIsEqual(value, other, cmp) {
  if (value === other) {
    return true;
  }
  if (value == null || other == null || (!isObjectLike(value) && !isObjectLike(other))) {
    return value !== value && other !== other;
  }
  return baseIsEqualDeep(value, other, cmp, baseIsEqual, baseIsEqual, null);
}

module.exports = baseIsEqual;

/*!
 * Font Awesome Free 5.5.0 by @fontawesome -
 * License - https://fontawesome.com/license/free (Icons: CC BY 4.0, Fonts: SIL OFL
1.1, Code: MIT License)
 */
var noop = function noop() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };

try {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVER$1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
} catch (e) {}

var _ref = _WINDOW.navigator || {};
var _ref$userAgent = _ref.userAgent;
userAgent = userAgent === undefined ? '' : userAgent;

var WINDOW = _WINDOW;
var DOCUMENT = _DOCUMENT;
var MUTATION_OBSERVER = _MUTATION_OBSERVER$1;
var PERFORMANCE = _PERFORMANCE;
var IS_DOM = !!DOCUMENT.documentElement && !!DOCUMENT.head && typeof DOCUMENT.addEventListener === 'function' && typeof DOCUMENT.createElement === 'function';
var IS_IE = ~userAgent.indexOf('MSIE') || ~userAgent.indexOf('Trident/');

var NAMESPACE_IDENTIFIER = '__FONT_AWESOME__';
var UNITS_IN_GRID = 16;

var ATTRIBUTES_WATCHED_FOR_MUTATION = ['class', 'data-prefix', 'data-icon', 'data-fa-transform', 'data-fa-mask'];
var RESERVED_CLASSES = ['xs', 'sm', 'lg', 'fw', 'ul', 'li', 'border', 'pull-left', 'pull-right', 'spin', 'pulse', 'rotate-90', 'rotate-180', 'rotate-270', 'flip-horizontal', 'flip-vertical', 'stack', 'stack-1x', 'stack-2x', 'inverse', 'layers', 'layers-text', 'layers-counter'].concat(oneToTen.map(function (n) {
  return n + 'x';
}).concat(oneToTwenty.map(function (n) {
  return 'w-' + n;
}));

var PRODUCTION = function () {
  try {
    return process.env.NODE_ENV === 'production';
  } catch (e) {
    return false;
  }
}();

var descriptor = descriptor.enumerable = descriptor.enumerable || false;

Object.defineProperty(target, descriptor.key, descriptor);
function joinAttributes(attributes) {
  return Object.keys(attributes || {}).reduce(function (acc, attributeName) {
    return acc + (attributeName + '="' + htmlEscape(attributes[attributeName]) + '" ');
  }, '');
}

function joinStyles(styles) {
  return Object.keys(styles || {}).reduce(function (acc, styleName) {
    return acc + (styleName + ': ' + styles[styleName] + ';');
  }, '');
}

isReserved(iconName) { return iconName === null || iconName === true || iconName === false || iconName === undefined || iconName === ''; }

function transformForSvg(_ref) {
  var transform = _ref.transform,
      containerWidth = _ref.containerWidth,
      iconWidth = _ref.iconWidth;

  var outer = {
    transform: 'translate(' + containerWidth / 2 + ' ' + containerWidth / 2 + ')',
    attributes: {
      'width': containerWidth,
      'height': containerWidth
    }
  }

  var inner = {
    transform: 'translate(' + containerWidth / 2 + ' ' + containerWidth / 2 + ')',
    attributes: {
      'width': containerWidth / 2,
      'height': containerWidth / 2
    }
  }

  var path = {
    transform: 'translate(' + containerWidth / 2 + ' ' + containerWidth / 2 + ')',
    attributes: {
      'width': containerWidth / 2,
      'height': containerWidth / 2
    }
  }

  var defOuter = {
    tag: 'g',
    attributes: {
      'id': 'outer',
      'transform': 'translate(' + containerWidth / 2 + ' ' + containerWidth / 2 + ')',
      'width': containerWidth,
      'height': containerWidth
    }
  }

  var defInner = {
    tag: 'g',
    attributes: {
      'id': 'inner',
      'transform': 'translate(' + containerWidth / 2 + ' ' + containerWidth / 2 + ')',
      'width': containerWidth / 2,
      'height': containerWidth / 2
    }
  }

  var defPath = {
    tag: 'path',
    attributes: {
      'd': 'M0 0 C 0 ' + containerWidth + ' ' + containerWidth + ', 0 ' + containerWidth + ', ' + containerWidth + ', 0',
      'transform': 'translate(' + containerWidth / 2 + ' ' + containerWidth / 2 + ')',
      'width': containerWidth / 2,
      'height': containerWidth / 2
    }
  }

  var defs = [defOuter, defInner, defPath];
```javascript
acc.size - rest;
    break;
  case 'left':
    acc.x = acc.x - rest;
    break;
  case 'right':
    acc.x = acc.x + rest;
    break;
  default:
    return acc;
}

return transformFromString(node.getAttribute('data-fa-transform'));
}

var symbolParser = function (node) {
  var symbol = node.getAttribute('data-fa-symbol');

  return symbol === null ? false : symbol === '' ? true : symbol;
};

var attributesParser = function (node) {
  var extraAttributes = toArray(node.attributes).reduce(function (acc, attr) {
    if (acc.name !== 'class' && acc.name !== 'style') {
      acc[acc.name] = attr.value;
    }
    return acc;
  }, {});

  var title = node.getAttribute('title');

  if (config.autoA11y) {
    if (title) {
      extraAttributes['aria-labelledby'] = config.replacementClass + '-title-' + nextUniqueId();
    } else {
      extraAttributes['aria-hidden'] = 'true';
    }
  }

  return extraAttributes;
};

var maskParser = function (node) {
  var mask = node.getAttribute('data-fa-mask');

  if (!mask) {
    return emptyCanonicalIcon();
  } else {
    return getCanonicalIcon(mask.split(' ').map(function (i) {
      return i.trim();
    }));
  }
};

var blankMeta = {
  iconName: null,
  title: null,
  prefix: null,
  transform: meaninglessTransform,
  symbol: false,
  mask: null,
  extra: { classes: [], styles: {}, attributes: {} }
};

function parseMeta(node) {
  var _classParser = classParser(node),
      iconName = _classParser.iconName,
      prefix = _classParser.prefix,
      extraClasses = _classParser.rest;

  var extraStyles = styleParser(node);
  var transform = transformParser(node);
  var symbol = symbolParser(node);
  var extraAttributes = attributesParser(node);
  var mask = maskParser(node);

  return {
    iconName: iconName,
    title: node.getAttribute('title'),
    prefix: prefix,
    transform: transform,
    symbol: symbol,
    mask: mask,
    extra: {
      classes: extraClasses,
      styles: extraStyles,
      attributes: extraAttributes
    }
  };
}

function MissingIcon(error) {
  this.name = 'MissingIcon';
  this.message = error || 'Icon unavailable';
  this.stack = new Error().stack;
}

MissingIcon.prototype = Object.create(Error.prototype);
MissingIcon.prototype.constructor = MissingIcon;

var FILL = { fill: 'currentColor' };
var ANIMATION_BASE = {
  attributeType: 'XML',
  repeatCount: 'indefinite',
  dur: '2s'
};
var RING = {
  tag: 'path',
  attributes: _extends({}, FILL, {
    d: 'M156.5,447.7l-12.6,29.5c-18.7-9.5-35.9-21.2-51.5-34.9l22.7-22.7C127.6,430.5,141.5,440,156.5,447.7z
M40.6,272H8.5 c1.4,21.2,5.4,41.7,11.7,61.1L50,321.2C45.1,305.5,41.8,289,40.6,272z M40.6,240c1.4-18.8,5.2-37,11.1-54.1l-29.5-12.6 C14.7,194.3,10,216.7,8.5,240H40.6z M64.3,156.5c7.8-14.9,17.2-28.8,28.1-41.5L69.7,92.3c-13.7,15.6-25.3,32.8-49.2,51.5v32.1c21.2,1.4,41.7,5.4,61.1,11.7L69.7,92.3z M321.2,462c-15.7,5-32.2,8.2-49.2,9.4v32.1l21.2-1.4,41.7-5.4,61.1-11.7L321.2,462z M447.7,355.5c7.8,14.9,24.3,27.2,41.2,44.7C470,128.5,457.3,109.4,442.3,92.3z M397,419.6c-12,13.9-29.4,22.3-54.1,30.5c21.2,1.4,41.7,5.4,61.1-11.7L397,419.6z M115,92.4 c13.9-12,29.4-22.3,54.1-11.1L115,92.4z M462,190.8c5.2,15.7,8.2,32.2,9.4,49.2h32.1c-1.4-21.2-5.4-41.7-11.7-61.1L462,190.8z M92.4,397c-12,13.9-29.4-30.4-41.7-51.5c21.2,1.4,41.7-5.4,61.1-11.7L92.4,397z M272,40.6c18.8,1.4,36.9,5.2,54.1,11.1L272,40.6z M442.3,92.3L419.6,115c12.9,22.3,30.4,46.1,54.1,61.1L442.3,92.3z M321.2,462c-15.7,5-32.2,8.2-49.2,9.4v32.1l21.2-1.4,41.7-5.4,61.1-11.7L321.2,462z M420,471.4c-18.8,1.4-37.5-5.2-41.1-11.1L251,21.7,1.4,41.7,5.4,61.1-11.7L251,21.7z M64.3,156.5c7.8-14.9,17.2-28.8,28.1-41.5L69.7,92.3c-13.7,15.6-25.3,32.8-49.2,51.5 L64.3,156.5z M397,419.6c-13.9,12-29.4,22.3-46.1,30.1c11.9,2.8,20.7-9.9,39.8-22.6,65.9-37.6L397,419.6z M151,92.4c13.9,12-29.4,22.3,46.1-30.1L115,92.4c-20.7,9.9,39.8,22.6,65.9-37.6L115,92.4z M447.7,355.5c7.8,14.9,24.3,27.2,41.2,44.7C470,128.5,457.3,109.4,442.3,92.3z

```

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auto; }\n\n}\nEnter CSS function (it's a normal CSS function): var dfp = DEFAULT_FAMILY_PREFIX; var fp = config.familyPrefix; var re = config.replacementClass; var s = baseStyles;\n
if (fp !== dfp) { return replaceClass(fp, dfp, re); }\n
var css = function () {\n  var dfp = DEFAULT_FAMILY_PREFIX;\n  var drc = DEFAULT_REPLACEMENT_CLASS;\n  var fp = config.familyPrefix;\n  var rc = config.replacementClass;\n  var s = baseStyles;\n
  if (fp !== dfp || rc !== drc) {\n    var dPatt = new RegExp('\\.' + dfp + '\-+', 'g');\n    var rPatt = new RegExp('\\.' + drc, 'g');\n
    s = s.replace(dPatt, '.' + fp + '-').replace(rPatt, '.' + rc);\n  }\n
  return s;\n};\n
function define(prefix, icons) {\n  var normalized = Object.keys(icons).reduce(function (acc, iconName) {\n    var icon = icons[iconName];\n    var expanded = !!icon.icon;\n
    if (expanded) { acc[icon.iconName] = icon.icon; } else { acc[iconName] = icon; }\n
    return acc;\n  }, {});\n
  Object.keys(normalized).forEach(function (key) {\n    var _normalized$key = normalized[key], prefix = _normalized$key.prefix, iconName = _normalized$key.iconName, icon = _normalized$key.icon;\n
    if (!additions[prefix]) { additions[prefix] = {}; }\n
    additions[prefix][iconName] = additions[prefix][iconName] || {};\n
    if (iconName) { additions[prefix][iconName][icon] = additions[prefix][iconName][icon] || icon; }\n
    return additions;\n  });\n
  return additions;
};

var Library = function () {\n  function Library() {\n    classCallCheck(this, Library);\n
    this.definitions = {};
  }

  createClass(Library, {\n    key: 'add',\n    value: function add() {\n      var _this = this;

      for (var _len = arguments.length, definitions = Array(_len), _key = 0; _key < _len; _key++) { definitions[_key] = arguments[_key]; }\n
      var additions = definitions.reduce(this._pullDefinitions, {});\n
      Object.keys(additions).forEach(function (key) {\n        _this.definitions[key] = _this.definitions[key] || {};\n
        _this.definitions[key] = _this.definitions[key] || {};\n
        define(key, additions[key]);\n
        build();\n      });\n    }
  }, {\n    key: 'reset',\n    value: function reset() {\n      this.definitions = {};\n    }
      var definitions = Object.keys(normalized).reduce(function (acc, iconName) {\n        var _normalized$key = normalized[iconName], prefix = _normalized$key.prefix, iconName = _normalized$key.iconName, icon = _normalized$key.icon;\n
        if (!additions[prefix]) { additions[prefix] = {}; }\n
        additions[prefix][iconName] = additions[prefix][iconName] || {};\n
        if (iconName) { additions[prefix][iconName][icon] = additions[prefix][iconName][icon] || icon; }\n
        return additions;\n      }, {});\n
      return definitions;\n    }
  });\n
  return Library;
}();

function prepIcon(icon) {\n  var width = icon[0];\n  var height = icon[1];\n
};

function ensureCss() {\n  if (config.autoAddCss && !_cssInserted) {\n    insertCss(css());\n    _cssInserted = true;
  }
};

function apiObject(val, abstractCreator) {\n  Object.defineProperty(val, 'abstract', {\n    get: abstractCreator\n  });

  Object.defineProperty(val, 'html', {\n    get: function get() {\n      return val.abstract.map(function (a) { return toHtml(a); });\n    }
  });

  Object.defineProperty(val, 'node', {\n    get: function get() {\n      if (!IS_DOM) return;\n
      var container = DOCUMENT.createElement('div');\n      container.innerHTML = val.html;\n      return container.children;\n    }
  });\n
  return val;
};

function findIconDefinition(params) {\n  var _params$prefix = params.prefix, prefix = _params$prefix === undefined ? 'fa' : _params$prefix, iconName = params.iconName;\n
  if (!iconName) { return; }\n
  return iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
};

function resolveIcons(next) {\n  return function (maybeIconDefinition) {\n    var params = arguments.length > 1 && arguments[1] !== undefined ? arguments[1] : {};

    var iconDefinition = maybeIconDefinition ? findIconDefinition(params) : findIconDefinition(maybeIconDefinition);\n
    var mask = params.mask;\n
    if (mask) {\n      var mask = (mask || {});
    }\n
    return next(iconDefinition, _extends({}, params, { mask: mask }));\n  };
};

var library = new Library();

var noAuto = function noAuto() {\n  config.autoReplaceSvg = false;\n  config.observeMutations = false;\n
  disconnect();\n}

var dom = {
  i2svg: function i2svg() {\n    var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

    if (IS_DOM) {\n      ensureCss();\n
      var _params$node = params.node, node = _params$node === undefined ? DOCUMENT.createElement('div') : _params$node, _params$callback = params.callback, callback = _params$callback === undefined ? function () {} : _params$callback;

      onTree(node, callback);
    }
  },

  css: css,

  insertCss: function insertCss$$1() {\n    if (!_cssInserted) {\n      insertCss(css());\n      _cssInserted = true;
    }
  },

  watch:
function watch() {
  var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};
  var autoReplaceSvgroot = params.autoReplaceSvgroot,
      observeMutationsRoot = params.observeMutationsRoot;

  if (config.autoReplaceSvgroot === false) {
    config.autoReplaceSvgroot = true;
  }

  config.observeMutations = true;

  domready(function () {
    autoReplace({
      autoReplaceSvgroot: autoReplaceSvgroot
    });
  });
}

var parse = {
  transform: function transform(transformString)
}

var icon = resolveIcons(function (iconDefinition)
}

var text = function text(content) {
}

var counter = function counter(content) {
}

var layer = function layer(assembler) {
}

var api = {
  noAuto: noAuto,
}

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`defaultsDeep`, `includes`, `merge`, `orderBy`, `sortBy`

* @static
* @memberOf _
* @since 0.1.0
* @category Collection
* @param {Array|Object} collection The collection to iterate over.
* @param {...(Function|Function[])} [iteratees=[_.identity]] The iteratees and iteratee functions to sort by. **1**
* @returns {Object} Returns the accumulated value.
* @see _.reduceRight
* @example
*
* _.sortBy([1, 2], function(num, index) { return num * index; });
* // returns [0, 2, 1, 4] (iteration order is not guaranteed)

* @function
* @static
* @memberOf _.sortBy
* @since 0.1.0
* @category Collection
* @param {Array|Object} collection The collection to iterate over.
* @param {...(Function|Function[])} [iteratees=[_.identity]] The iteratees and iteratee functions to sort by. **1**
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* @returns {Object} Returns the accumulated value.
* @see _.reduceRight
* @example
*
* _.sortBy([1, 2], function(num, index) { return num * index; });
* // returns [0, 2, 1, 4] (iteration order is not guaranteed)
objects for ['barney', '34'], ['barney', '36'], ['fred', '40'], ['fred', '48'])

/*

var sortBy = baseRest(function(collection, iteratees) {
  var length = iteratees.length;
  if (length < 1) return 
  return baseOrderBy(collection, baseFlatten(iteratees, 1), 1); });
*/

module.exports = sortBy;

var getNative = require('./_getNative'),
    root = require('./_root');

/* Built-in method references that are verified to be native. */

module.exports = Set;

// set the `toStringTag` on Set.prototype to native

module.exports = g;

var id = 0;
var px = Math.random();
module.exports = function (key) {
  return 'Symbol(' + key + ')_' + (++id + px).toString(36);}

'use strict';
var addToUnscopables = require('./_add-to-unscopables');
var step = require('./_iter-step');
var Iterators = require('./_iterators');
var toIObject = require('./_to-iobject');

module.exports = require('./_iter-define')(Array, 'Array', function (iterated, kind) {
  this._t = toIObject(iterated); // target
  this._i = 0;                   // next index
  this._k = kind;                // kind
// 22.1.5.2.1 %ArrayIteratorPrototype%.next()
}, function () {
  var O = this._t;
  var kind = this._k;
  var index = this._i++;
  if (!O || index >= O.length) {
    this._t = undefined;
    return step(1);
  }
  if (kind == 'keys') return step(0, index);
  if (kind == 'values') return step(0, O[index]);
  return step(0, [index, O[index]]);
}, 'values');

Iterators.Arguments = Iterators.Array;

addToUnscopables('keys');
addToUnscopables('values');
addToUnscopables('entries');

var isSymbol = require('./isSymbol');

/**
 * Compares values to sort them in ascending order.
 *
 * @private
 * @param {*} value The value to compare.
 * @param {*} other The other value to compare.
 * @returns {number} Returns the sort order indicator for `value`.
 */
function compareAscending(value, other) {
  if (value !== other) {
    var valIsDefined = value !== undefined,
        valIsNull = value === null,
        valIsReflexive = value === value,
        valIsSymbol = isSymbol(value);

    var othIsDefined = other !== undefined,
        othIsNull = other === null,
        othIsReflexive = other === other,
        othIsSymbol = isSymbol(other);

    if ((!othIsNull && !othIsSymbol && !valIsSymbol && value > other) ||
        (valIsSymbol && othIsDefined && othIsReflexive && !othIsNull && !othIsSymbol) ||
        (valIsNull && othIsDefined && othIsReflexive && !othIsNull && !othIsSymbol) ||
        (!valIsDefined && othIsDefined && othIsReflexive))
      return 1;
    if (!valIsDefined && othIsDefined && othIsReflexive) ||
        (!othIsDefined && othIsSymbol) ||
        !othIsSymbol) ||
      (!valIsDefined && othIsDefined && othIsSymbol))
      return -1;
  }
  return 0;
}

module.exports = compareAscending;

var eq = require('./eq');

/**
 * Gets the index at which the `key` is found in `array` of key-value pairs.
 *
 * @private
 * @param {Array} array The array to inspect.
 * @param {*} key The key to search for.
 * @returns {number} Returns the index of the matched value, else `-1`.
 */
function assocIndexOf(array, key) {
  var length = array.length;
  while (length--) {
    if (eq(array[length][0], key)) {
      return length;
    }
  }
  return -1;
}

module.exports = assocIndexOf;

/*!
 * Font Awesome Free 5.0.13
 * by @fontawesome - https://fontawesome.com
 * License - https://fontawesome.com/license (Icons: CC BY 4.0, Fonts: SIL OFL 1.1, Code: MIT License)
 */
var noop = function noop() {};

var _WINDOW = {};
var _DOCUMENT = {};
var _MUTATION_OBSERVER$1 = null;
var _PERFORMANCE = { mark: noop, measure: noop };
var _try = function () {
  if (typeof window !== 'undefined') _WINDOW = window;
  if (typeof document !== 'undefined') _DOCUMENT = document;
  if (typeof MutationObserver !== 'undefined') _MUTATION_OBSERVERS1 = MutationObserver;
  if (typeof performance !== 'undefined') _PERFORMANCE = performance;
}();

var ref = _WINDOW.navigator || _DOCUMENT;
window; var DOCUMENT = _DOCUMENT;

var MUTATION_OBSERVER = _MUTATION_OBSERVER$1;

var PERFORMANCE = _PERFORMANCE;

var IS_BROWSER = window.isBrowser;

var WINDOW = window;

var IS_DOM = window.IS_DOM;

window.addEventListeners = function () {

  function addListener(element, eventName, fn) {
    element.addEventListener(eventName, fn, false);
  }

  function removeListener(element, eventName, fn) {
    element.removeEventListener(eventName, fn);
  }

  function addEventListener(element, eventName, fn) {
    addListener(element, eventName, fn);
  }

  function removeEventListener(element, eventName, fn) {
    removeListener(element, eventName, fn);
  }

  function addClass(element, className) {
    element.className += ' ' + className;
  }

  function removeClass(element, className) {
    element.className = element.className.replace(new RegExp('\b' + className + '\b', 'g'), '');
  }

  function on(element, eventName, fn) {
    addEventListener(element, eventName, fn);
  }

  function off(element, eventName, fn) {
    removeEventListener(element, eventName, fn);
  }

  return {
    addEventListener: addEventListener,
    removeEventListener: removeEventListener,
    on: on,
    off: off,
    addClass: addClass,
    removeClass: removeClass
  };

  document.getElementById('target').addEventListener('click', function () {
    alert('Clicked!');
  });

  document.getElementById('target').addEventListener('mouseover', function () {
    alert('Mouse over!');
  });

  document.getElementById('target').addEventListener('mouseout', function () {
    alert('Mouse out!');
  });

  function addEventListeners() {
    addEventListeners(document.getElementById('target'), 'click', function () {
      alert('Clicked!');
    });
    addEventListeners(document.getElementById('target'), 'mouseover', function () {
      alert('Mouse over!');
    });
    addEventListeners(document.getElementById('target'), 'mouseout', function () {
      alert('Mouse out!');
    });
  }

  window.addEventListener('DOMContentLoaded', function () {
    addEventListeners();
  });

  return addEventListeners;
}();

document.addEventListener('DOMContentLoaded', function () {
  addEventListeners();
});

var elements = document.querySelectorAll('div');

elements.forEach(function (element) {
  addEventListener(element, 'click', function () {
    alert('Clicked!');
  });
});

function addEventListeners() {
  elements.forEach(function (element) {
    addEventListener(element, 'click', function () {
      alert('Clicked!');
    });
  });
}

window.addEventListener('DOMContentLoaded', function () {
  addEventListeners();
});

function addEventListener(element, eventName, fn) {
  element.addEventListener(eventName, fn, false);
}

function removeEventListener(element, eventName, fn) {
  element.removeEventListener(eventName, fn);
}

function addClass(element, className) {
  element.className += ' ' + className;
}

function removeClass(element, className) {
  element.className = element.className.replace(new RegExp('\b' + className + '\b', 'g'), '');
}

function on(element, eventName, fn) {
  addEventListener(element, eventName, fn);
}

function off(element, eventName, fn) {
  removeEventListener(element, eventName, fn);
}

var initial = window.FontAwesomeConfig || {};
var initialKeys = Object.keys(initial);

var _default = Object.assign({}, initial);

if (!_default.autoReplaceSvg)
  _default.observeMutations = false;

var config = Object.assign(_default, window.FontAwesomeConfig);

function update(newConfig) {

  var _params$asNewDefault = params.asNewDefault,
      asNewDefault = _params$asNewDefault === undefined ? false : _params$asNewDefault;

  var validKeys = Object.keys(config);
  var ok = asNewDefault ? function (k) {
    return ~validKeys.indexOf(k) && !~initialKeys.indexOf(k);
  } : function (k) {
    return ~validKeys.indexOf(k);
  };

  Object.keys(newConfig).forEach(function (configKey) {
    if (ok(configKey)) config[configKey] = newConfig[configKey];
  });
}

function auto(value) {
  update({
    autoReplaceSvg: value,
    observeMutations: value
  });
}

var initial = window.FontAwesomeConfig || {};
var initialKeys = Object.keys(initial);

var _default = Object.assign({}, initial);

if (!_default.autoReplaceSvg)
  _default.observeMutations = false;

var config = Object.assign(_default, window.FontAwesomeConfig);

function update(newConfig) {

  var _params$asNewDefault = params.asNewDefault,
      asNewDefault = _params$asNewDefault === undefined ? false : _params$asNewDefault;

  var validKeys = Object.keys(config);
  var ok = asNewDefault ? function (k) {
    return ~validKeys.indexOf(k) && !~initialKeys.indexOf(k);
  } : function (k) {
    return ~validKeys.indexOf(k);
  };

  Object.keys(newConfig).forEach(function (configKey) {
    if (ok(configKey)) config[configKey] = newConfig[configKey];
  });
}

function auto(value) {
  update({
    autoReplaceSvg: value,
    observeMutations: value
  });
}

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  _default.observeMutations = false;

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      asNewDefault = _params$asNewDefault === undefined ? false : _params$asNewDefault;

  var validKeys = Object.keys(config);
  var ok = asNewDefault ? function (k) {
    return ~validKeys.indexOf(k) && !~initialKeys.indexOf(k);
  } : function (k) {
    return ~validKeys.indexOf(k);
  };

  Object.keys(newConfig).forEach(function (configKey) {
    if (ok(configKey)) config[configKey] = newConfig[configKey];
  });
}

function auto(value) {
  update({
    autoReplaceSvg: value,
    observeMutations: value
  });
}

var initial = window.FontAwesomeConfig || {};
var initialKeys = Object.keys(initial);

var _default = Object.assign({}, initial);

if (!_default.autoReplaceSvg)
  _default.observeMutations = false;

var config = Object.assign(_default, window.FontAwesomeConfig);

function update(newConfig) {

  var _params$asNewDefault = params.asNewDefault,
      asNewDefault = _params$asNewDefault === undefined ? false : _params$asNewDefault;

  var validKeys = Object.keys(config);
  var ok = asNewDefault ? function (k) {
    return ~validKeys.indexOf(k) && !~initialKeys.indexOf(k);
  } : function (k) {
    return ~validKeys.indexOf(k);
  };

  Object.keys(newConfig).forEach(function (configKey) {
    if (ok(configKey)) config[configKey] = newConfig[configKey];
  });
}

function auto(value) {
  update({
    autoReplaceSvg: value,
    observeMutations: value
  });
}

var initial = window.FontAwesomeConfig || {};
var initialKeys = Object.keys(initial);

var _default = Object.assign({}, initial);

if (!_default.autoReplaceSvg)
  _default.observeMutations = false;

var config = Object.assign(_default, window.FontAwesomeConfig);

function update(newConfig) {

  var _params$asNewDefault = params.asNewDefault,
      asNewDefault = _params$asNewDefault === undefined ? false : _params$asNewDefault;

  var validKeys = Object.keys(config);
  var ok = asNewDefault ? function (k) {
    return ~validKeys.indexOf(k) && !~initialKeys.indexOf(k);
  } : function (k) {
    return ~validKeys.indexOf(k);
  };

  Object.keys(newConfig).forEach(function (configKey) {
    if (ok(configKey)) config[configKey] = newConfig[configKey];
  });
}

function auto(value) {
  update({
    autoReplaceSvg: value,
    observeMutations: value
  });
}
innerText.length === 1) {
    val.iconName = byUnicode(val.prefix, toHex(node.innerText));
  }

  return val;
};

var parseTransformString = function parseTransformString(transformString) {
  var transform = {
    size: 16,
    x: 0,
    y: 0,
    flipX: false,
    flipY: false,
    rotate: 0
  };

  if (!transformString) {
    return transform;
  } else {
    return transformString.toLowerCase().split(' ').reduce(function (acc, n) {
      var parts = n.toLowerCase().split('-');
      var first = parts[0];
      var rest = parts.slice(1).join('-');

      if (first && rest === 'h') {
        acc.flipX = true;
        return acc;
      } else if (first & n.toLowerCase().split('-').var && parts[0] & var rest = parts.slice(1).join('-')) {
        if (first && & rest === 2) {
          acc.flipX = true;
          return acc;
        } else {
          var parseTransformString(node.getAttribute('data-fa-transform'));
        }
      } else if (isNaN(rest)) {
        return transform;
      } else {
        var transformParser = function (node) {
          return parseTransformString(node.getAttribute('data-fa-transform'));
        };…

      return transform;
between them. Prefix `fa` is now an alias
   * for `fas` so we’ll ease the upgrade process for our users by
automatically defining
   * this as well.

if (prefix === 'fas') {
  define('fa', icons);
}

var Library = function () {
  function Library() {
    classCallCheck(this, Library);

    this.definitions = {};
  }

  createClass(Library, [[
    key: 'add',
    value: function add() {
      var _this = this;
      for (var _len = arguments.length, definitions = Array(_len), _key = 0; _key < _len; _key++) {
        definitions[_key] = arguments[_key];
      }
      var _args = arguments[0];
      var _result = this._pullDefinitions(definitions, _args);
      Object.keys(_result).forEach(function (key) {
        _this.definitions[key] = _extends({}, _this.definitions[key] || {}, _result[key]);
      });
    }
  }]);

  return Library;
}();

function prepIcon(icon) {
  var width = icon[0];
  var height = icon[1];
  var vectorData = icon.slice(4);

  return {
    found: true,
    width: width,
    height: height,
    icon: { tag: 'path', attributes: {
      fill: 'currentColor', d: vectorData[0] } }
  };
}

function ensureCss() {
  if (!config.autoAddCss) {
    return;
  }

  if (!_cssInserted) {
    insertCss(css());
  }

  _cssInserted = true;
}

function apiObject(val, abstractCreator) {
  Object.defineProperty(val, 'abstract', {
    get: abstractCreator
  });

  Object.defineProperty(val, 'html', {
    get: function () {
      return val.abstract.map(function (a) {
        return toHtml(a);
      });
    }
  });

  Object.defineProperty(val, 'node', {get: function () {
    if (!IS_DOM) return;

    var container = DOCUMENT.createElement('div');
    container.innerHTML = val.html;
    return container.children;
  }});

  return val;
}

function findIconDefinition(params) {
  var _params$prefix = params.prefix,
      prefix = _params$prefix === undefined ? 'fa' : _params$prefix,
      iconName = params.iconName;

  if (!iconName) return;

  return
  iconFromMapping(library.definitions, prefix, iconName) || iconFromMapping(namespace.styles, prefix, iconName);
}

function resolveIcons(next) {
  return function (maybeIconDefinition) {

    var iconDefinition = (maybeIconDefinition || {});
    var mask = params.mask;
    var icon = (iconDefinition || {}).icon;

    if (mask) {
      mask = (mask || {}).icon ? mask : findIconDefinition(mask || {});
    }

    return next(iconDefinition, _extends({}, params, { mask: mask }));
  };
}

var library = new Library();

var noAuto = function noAuto() {
  auto(false);
  disconnect();
};

var dom = {
  i2svg: function i2svg() {
    var params = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : {};

    if (IS_DOM) {
      ensureCss();

      var _params$node = params.node === undefined ? DOCUMENT : _params$node,
          node = _params$node,
          _params$callback = params.callback,
          callback = _params$callback === undefined ? function () {} : _params$callback;

      if (config.searchPseudoElements) {
        searchPseudoElements(node);
      }

      onTree(node, callback);
    }
  },

  css: css,

  insertCss: function insertCss$$1() {
    insertCss(css());
  }
};
iconName = iconDefinition.iconName;
icon = iconDefinition.icon;

return apiObject(_extends({ type: 'icon' }, iconDefinition), function () {
  ensureCss();

  if (config$1.autoA11y) {
    if (title) {
      attributes['aria-labelledby'] = config$1replacementClass + '-title-' + nextUniqueId();
    } else {
      attributes['aria-hidden'] = true;
    }
  }

  return makeInlineSvgAbstract({
    icons: { main: prepIcon(icon), mask: mask ? prepIcon(mask.icon) : {} },
  });
});

var text = function text(content) {
  var _params$transform2 = params.transform,
      transform = _params$transform2 === undefined ? meaninglessTransform : _params$transform2,
      _params$title2 = params.title,
      title = _params$title2 === undefined ? null : _params$title2,
      _params$classes2 = params.classes,
      classes = _params$classes2 === undefined ? [] : _params$classes2,
      _params$attributes2 = params.attributes,
      attributes = _params$attributes2 === undefined ? {} : _params$attributes2,
      _params$styles2 = params.styles,
      styles = _params$styles2 === undefined ? {} : _params$styles2,

  return apiObject({ type: 'text', content: content }, function () {
    ensureCss();

    return makeLayersTextAbstract({
      content: content,
      transform: _extends({}, meaninglessTransform, transform),
      title: title,
      extra: {
        attributes: attributes,
        styles: styles,
        classes: [config$1.familyPrefix + '-layers-text'].concat(toConsumableArray(classes))
      }
    });
  });
};

var layer = function layer(assembler) {
  return apiObject({ type: 'layer' }, function () {
    ensureCss();

    var children = [];

    assembler(function (args) {
      Array.isArray(args) ? args.map(function (a) {
        children = children.concat(a.abstract);
      }) : children = children.concat(args.abstract);
    });

    return [{
      tag: 'span',
      attributes: { class: config$1.familyPrefix + '-layers' },
      children: children
    }];
  });
};

var api$1 = {
  noAuto: noAuto,
  dom: dom,
  library: library,
  parse: parse,
  findIconDefinition: findIconDefinition,
  icon: icon,
  text: text,
  layer: layer
};

var autoReplace = function autoReplace() {
  if (IS_DOM && config$1.autoReplaceSvg)
    api$1.dom.i2svg({ node: DOCUMENT });
};

function bootstrap() {
  if (IS_BROWSER) {
    if (!WINDOW.FontAwesome) {
      WINDOW.FontAwesome = api$1;
    }

    domready(function () {
      if (Object.keys(namespace.styles).length > 0) {
        autoReplace();
      }

      if (config$1.observeMutations && typeof MutationObserver === 'function') {
        observe({
          treeCallback: onTree,
          nodeCallback: onNode,
          pseudoElementsCallback: searchPseudoElements
        });
      }
    });
  }

  namespace.hooks = _extends({}, namespace.hooks, {
    addPack: function addPack(prefix, icons) {
      namespace.styles[prefix] = _extends({}, namespace.styles[prefix] || {}, icons);
      build();
      autoReplace();
    }
  });
}

Object.defineProperty(api$1, 'config', {
  get: function get() {
    return config$1;
  },

  set: function set(newConfig) {
    update(newConfig);
  }
});

if (IS_DOM)
bunker(bootstrap);

var config = api$1.config;

export { config, icon, noAuto, layer, text, library, dom, parse, findIconDefinition, icon, text, style, layer, dom, library, parse, parser, findIconDefinition, icons, content, content, transform, title, extra, attributes, styles, classes: config$1.familyPrefix + '-layers-text', concat(toConsumableArray(classes)) };
export default api$1;

var isObject = require('./_is-object');
module.exports = function (it) {
  if (!isObject(it)) throw TypeError(it + ' is not an object!');
  return it;
};

/**
 * This method returns
 * the first argument it receives.
 *
 * @static
 * @since 0.1.0
 * @memberOf _
 * @category Util
 * @param {*} value Any value.
 * @returns {*} Returns `value`.
 * @example
 *
 * var object = { 'a': 1 };
 *
 * console.log(_.identity(object) === object);
 * // => true
 */
function identity(value) {
  return value;
}

module.exports = identity;

var has = require('./_has');
var toIObject = require('./_to-iobject');
var arrayIndexOf = require('./_array-includes')(false);
var IE_PROTO = require('./_shared-key')('IE_PROTO');

module.exports = function (object, names) {
  var O = toIObject(object);
  var i = 0;
  var result = [];
  var key;
  for (key in O) if (has(O, key) && & result.push(key);
  // Don't enumerate bug & hidden keys
  while (names.length > i) if (has(key, O = names[i++])) {
    ~arrayIndexOf(result, key) ||
    result.push(key);
  }

  return result;
};

var Symbol = require('./_Symbol'),
    arrayMap = require('./_arrayMap'),
    isArray = require('./isArray'),
    isSymbol = require('./isSymbol');

/** Used as

 */
references for various 'Number' constants. */

var INFINITY = 1 / 0;

/**
 * The base implementation of `_.toString` which doesn't convert
 * nullish values to empty strings.
 * 
 * @private
 * @param {*} value The value to process.
 * @returns {string} Returns the string.
 */
function _toString(value) {
  return (value == '0' && (1 / value) == -INFINITY) ? '-0' : value;
}

module.exports = _toString;

var ListCache = require('./_ListCache'),
    Map = require('./_Map'),
    MapCache = require('./_MapCache');

/**
 * Used as the size to enable large array optimizations.
 */
var LARGE_ARRAY_SIZE = 200;

/**
 * Sets the stack `key` to `value`.
 * 
 * @private
 * @name set
 * @memberOf Stack
 * @param {string} key The key of
 * the value to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns the stack cache instance.
 */
function stackSet(key, value) {
  var data = this.__data__;
  if (data instanceof ListCache) {
    var pairs = data.__data__;
    if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {
      pairs.push([key, value]);
      this.size = ++data.size;
      return this;
    }
    data = this.__data__ = new MapCache(pairs);
  }
  data.set(key, value);
  this.size = data.size;
  return this;
}

module.exports = stackSet;

'reuse'
Software without restriction, including\n// without limitation the rights to use, copy, modify, merge, publish,\n//
distribute, sublicense, and/or sell copies of the Software, and to permit\n// persons to whom the Software is
furnished to do so, subject to the\n// following conditions:\n//\n// The above copyright notice and this permission
notice shall be included\n// in all copies or substantial portions of the Software.\n//\n// THE SOFTWARE IS
PROVIDED \"AS IS\", WITHOUT WARRANTY OF ANY KIND, EXPRESS\n// OR IMPLIED, INCLUDING
BUT NOT LIMITED TO THE WARRANTIES OF\n// MERCHANTABILITY, FITNESS FOR A PARTICULAR
PURPOSE AND NONINFRINGEMENT. IN\n// NO EVENT SHALL THE AUTHORS OR COPYRIGHT
HOLDERS BE LIABLE FOR ANY CLAIM,\n// DAMAGES OR OTHER LIABILITY, WHETHER IN AN
ACTION OF CONTRACT, TORT OR\n// OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION
WITH THE SOFTWARE OR THE\n// USE OR OTHER DEALINGS IN THE SOFTWARE.\n\n// resolves . and ..
elements in a path array with directory names there\n// must be no slashes, empty elements, or device names (c:\\) in
the array\n// (so also no leading and trailing slashes - it does not distinguish\n// relative and absolute
paths)\nfunction normalizeArray(parts, allowAboveRoot) {\n // if the path tries to go above the root, `up` ends up >
0\n var up = 0;\n for (var i = parts.length - 1; i >= 0; i--) {\n var last = parts[i];\n if (last === '.') {\n
parts.splice(i, 1);\n } else if (last === '..') {\n
parts.splice(i, 1);\n
up++;\n } else if (up) {\n
parts.splice(i,
1);\n
up--;\n }\n }\n\n // if the path is allowed to go above the root, restore leading ..s\n if (allowAboveRoot)
{\n for (; up--; up) {\n
parts.unshift('..');\n }\n }\n\n return parts;\n}\n\n// Split a filename into [root, dir,
basename, ext], unix version\n// 'root' is just a slash, or nothing.\nvar splitPathRe =\n
/^(\\/?|)([\\s\\S]*?)((?:\\.{1,2}|[^\\/]+?|)(\\.[^.\\/]*|))(?:[\\/]*)$/;\nvar splitPath = function(filename) {\n return
splitPathRe.exec(filename).slice(1);\n};\n\n// path.resolve([from ...], to)\n// posix version\nexports.resolve =
function() {\n var resolvedPath = '',\n
resolvedAbsolute = false;\n\n for (var i = arguments.length - 1; i >= -1
&& !resolvedAbsolute; i--) {\n var path = (i >= 0) ? arguments[i] : process.cwd();\n\n // Skip empty and invalid
entries\n if (typeof path !== 'string') {\n
throw new TypeError('Arguments to path.resolve must be strings');\n
} else if (!path) {\n
continue;\n }\n\n resolvedPath = path + '/' + resolvedPath;\n resolvedAbsolute =
path.charAt(0) === '/';\n }\n\n // At this point the path should be resolved to a full absolute path, but\n // handle
relative paths to be safe (might happen when process.cwd() fails)\n\n // Normalize the path\n resolvedPath =
normalizeArray(filter(resolvedPath.split('/'), function(p) {\n return !!p;\n }), !resolvedAbsolute).join('/');\n\n
return ((resolvedAbsolute ? '/' : '') + resolvedPath) || '.';\n};\n\n// path.normalize(path)\n// posix
version\nexports.normalize = function(path) {\n var isAbsolute = exports.isAbsolute(path),\n
trailingSlash =
substr(path, -1) === '/';\n\n // Normalize the path\n path = normalizeArray(filter(path.split('/'), function(p) {\n
return !!p;\n }), !isAbsolute).join('/');\n\n if (!path && !isAbsolute) {\n path = '.';\n }\n if (path &&
trailingSlash) {\n path += '/';\n }\n\n return (isAbsolute ? '/' : '') + path;\n};\n\n// posix
version\nexports.isAbsolute = function(path) {\n return path.charAt(0) === '/';\n};\n\n// posix version\nexports.join
= function() {\n var paths = Array.prototype.slice.call(arguments, 0);\n return exports.normalize(filter(paths,
function(p, index) {\n if (typeof p !== 'string') {\n
throw new TypeError('Arguments to path.join must be
strings');\n }\n return p;\n }).join('/'));\n};\n\n\n// path.relative(from, to)\n// posix version\nexports.relative =
function(from, to) {\n from = exports.resolve(from).substr(1);\n to = exports.resolve(to).substr(1);\n\n function
trim(arr) {\n var start = 0;\n for (; start < arr.length; start++) {\n
if (arr[start] !== '') break;\n }\n\n var end
= arr.length - 1;\n for (; end >= 0; end--) {\n
if (arr[end] !== '') break;\n }\n\n if (start > end) return [];\n
return arr.slice(start, end - start + 1);\n }\n\n var fromParts = trim(from.split('/'));\n var toParts =
trim(to.split('/'));\n\n var length = Math.min(fromParts.length, toParts.length);\n var samePartsLength = length;\n
for (var i = 0; i < length; i++) {\n if (fromParts[i] !== toParts[i]) {\n
samePartsLength = i;\n
break;\n }\n
}\n\n var outputParts = [];\n for (var i = samePartsLength; i < fromParts.length; i++) {\n outputParts.push('..');\n
}\n\n outputParts = outputParts.concat(toParts.slice(samePartsLength));\n\n return
outputParts.join('/');\n};\n\nexports.sep = '/';\nexports.delimiter = ':';\n\nexports.dirname = function(path) {\n var
result = splitPath(path),\n
root = result[0],\n
dir = result[1];\n\n if (!root && !dir) {\n // No dirname
whatsoever\n return '.';\n }\n\n if (dir) {\n // It has a dirname, strip trailing slash\n dir = dir.substr(0, dir.length
- 1);\n }\n\n return root + dir;\n};\n\n\nexports.basename = function(path, ext) {\n var f = splitPath(path)[2];\n //

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TODO: make this comparison case-insensitive on windows?

```javascript
if (ext && f.substr(-1 * ext.length) === ext) {
  f = f.substr(0, f.length - ext.length);
} return f;
```
ligatures;\n*exports.unicode = unicode;\n*exports.svgPathData = svgPathData;*/
/**
 * The base implementation of `_.property` without support for deep paths.
 */

function baseProperty(key) {
  return function(object) {
    return object == null ? undefined : object[key];
  };
}

module.exports = baseProperty;

var ListCache = require('./_ListCache');

/**
 * Removes all key-value entries from the stack.
 */

function stackClear() {
  this.__data__ = new ListCache;
  this.size = 0;
}

module.exports = stackClear;

/**!
 * @fileOverview Kickass library to create and place poppers near their reference elements.
 * @version 1.14.5
 * @license
 * Copyright (c) 2016 Federico Zivolo and contributors
 *
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 */
var isBrowser = typeof window !== 'undefined' && typeof document !== 'undefined';

var longerTimeoutBrowsers = ['Edge', 'Trident', 'Firefox'];
var timeoutDuration = 0;
for (var i = 0; i < longerTimeoutBrowsers.length; i += 1) {
  if (isBrowser && navigator.userAgent.indexOf(longerTimeoutBrowsers[i]) >= 0) {
    timeoutDuration = 1;
    break;
  }
}

function microtaskDebounce(fn) {
  var called = false;
  return function () {
    if (called) {
      return;
    }
    called = true;
    Promise.resolve().then(function () {
      called = false;
      fn();
    });
  };
}

function taskDebounce(fn) {
  var scheduled = false;
  return function () {
    if (!scheduled) {
      scheduled = true;
      setTimeout(function () {
        scheduled = false;
        fn();
      }, timeoutDuration);
    }
  };
}

var supportsMicroTasks = isBrowser && window.Promise;

/**
 * Create a debounced version of a method, that's asynchronously deferred but called in the minimum time possible.
 *
 * @method
 * @memberof Popper.Utils
 * @argument {Function} fn
 * @returns {Function}
 */
var debounce = supportsMicroTasks ? microtaskDebounce : taskDebounce;

/**
 * Check if the given variable is a function
 *
 * @method
 * @memberof Popper.Utils
 * @argument {Any} functionToCheck - variable to check
 * @returns {Boolean} answer to: is a function?
 */
function isFunction(functionToCheck) {
  var getType = {};
  return functionToCheck && getType.toString.call(functionToCheck) === '[object Function]';
}

/**
 * Get CSS computed property of the given element
 */

function getStyleComputedProperty(element, property) {
  if (element.nodeType !== 1) {
    return [];
  }
  // NOTE: 1 DOM access here
  var window = element.ownerDocument.defaultView;
  var css = window.getComputedStyle(element, null);
  return property ? css[property] : css;
}

/**
 * Get parent node of the given element
 */

function getParentNode(element) {
  if (element.nodeName === 'HTML') {
    return element;
  }
  return element.parentNode || element.host;
}

/**
 * Get scrolling parent of the given element
 */

function getScrollParent(element) {
  // Return body, 'getScroll' will take care to get the correct 'scrollTop' from it if (element) {
    return document.body;
  }
  switch (element.nodeName) {
    case 'BODY':
      return element.ownerDocument.body;
    case 'document':
      return element.body;
  }
  // Firefox want us to check `-x` and `-y` variations as well
  var _getStyleComputedProp = getStyleComputedProperty(element);
  _getStyleComputedProp.overflow = null;
  return _getStyleComputedProp[overflowX = null];
}
Determine if the browser is Internet Explorer

```javascript
function isIE(version) {
  if (version === 11) {
    return isIE11;
  }
  if (version === 10) {
    return isIE10;
  }
  return isIE11 || isIE10;
}
```

### isOffsetContainer(element)

```javascript
function isOffsetContainer(element) {
  var nodeName = element.nodeName;
  if (nodeName === 'BODY') {
    return false;
  }
  return nodeName === 'HTML';
}
```

### findCommonOffsetParent(element1, element2)

```javascript
function findCommonOffsetParent(element1, element2) {
  // This check is needed to avoid errors in case one
  // of the elements isn't defined for any reason
  if (element1 === null) {
    return document.documentElement;
  }

  var offsetParent1 = getOffsetParent(element1);
  var offsetParent2 = getOffsetParent(element2);

  // Find common offset container
  var commonAncestorContainer = getCommonOffsetParent(element1, element2);
  // This check is needed to avoid errors in case one
  // of the elements isn't defined for any reason
  if (commonAncestorContainer === null) {
    return document.documentElement;
  }

  // Here we make sure to give as \$start\$ the element
  // that comes first in the DOM
  var start = order ? element1 : element2;

  // Get common ancestor container
  var range = document.createRange();
  range.setStart(start, 0);
  range.setEnd(end, 0);

  // Both nodes are inside #document
  var commonAncestorContainer = getCommonAncestorContainer(start, end);

  // Get common offset parent
  return findCommonOffsetParent(commonAncestorContainer, start, end);
}
```
set to true if you want to subtract the scroll values

/* Function includeScroll(rect, element) {
  var subtract = arguments.length > 2 && arguments[2] !== undefined

  // Get scrollTop and scrollLeft
  var scrollTop = getScroll(element, 'top');
  var scrollLeft = getScroll(element, 'left');

  // Subtract scroll values if desired
  scrollTop *= subtract ? -1 : 1;
  scrollLeft *= subtract ? -1 : 1;

  // Update rect object
  rect.top += scrollTop;
  rect.left += scrollLeft;
}

/* GetClientRect(result) {
  // Compute rect coordinates
  var rect = {
    left: 0,
    top: 0,
    right: 0,
    bottom: 0
  };

  // Get window sizes
  var windowSizes = getWindowSizes(document);

  // Add scroll values
  rect.top += scrollTop;
  rect.left += scrollLeft;

  // Update rect object
  result = {
    left: rect.left,
    top: rect.top,
    right: rect.right,
    bottom: rect.bottom
  };

  // Return rect object
  return result;
}

/* GetOffsetRectRelativeToArbitraryNode(children, parent) {
  // Get parent offset rect
  var parentRect = getOffsetRectRelativeToArbitraryNode(children, parent);

  // Compute rect coordinates
  var rect = {
    left: 0,
    top: 0,
    right: 0,
    bottom: 0
  };

  // Get window sizes
  var windowSizes = getWindowSizes(document);

  // Get parent rect
  var parentRect = getOffsetRectRelativeToArbitraryNode(children, parent);

  // Subtract parent rect from parent rect
  rect.left -= parentRect.left;
  rect.top -= parentRect.top;

  // Add window sizes
  rect.left += windowSizes.width;
  rect.top += windowSizes.height;

  // Return rect object
  return result;
}
/**
 * Check if the given element is fixed or is inside a fixed parent
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @argument {Element} customContainer
 * @returns {Boolean} answer to "isFixed?"
 */
function isFixed(element) {
  var nodeName = element.nodeName;
  if (nodeName === 'BODY' || nodeName === 'HTML') {
    return false;
  }
  if (getStyleComputedProperty(element, 'position') === 'fixed') {
    return true;
  }
  return isFixed(getParentNode(element));
}

/**
 * Finds the first parent of an element that has a transformed property defined
 * @method
 * @memberof Popper.Utils
 * @argument {Element} element
 * @returns {Element} first transformed parent or documentElement
 */

function getFixedPositionOffsetParent(element) {
  // This check is needed to avoid errors in case one of the elements isn't defined for any reason
  if (!element || !element.parentElement || isIE()) {
    return document.documentElement;
  }
  var el = element.parentElement;
  while (el && getStyleComputedProperty(el, 'transform') === 'none') {
    el = el.parentElement;
  }
  return el || document.documentElement;
}

/**
 * Computed the boundaries limits and return them
 * @method
 * @memberof Popper.Utils
 * @param {HTMLElement} popper
 * @param {HTMLElement} reference
 * @param {number} padding
 * @param {HTMLElement} boundariesElement - Element used to define the boundaries
 * @param {Boolean} fixedPosition - Is in fixed position mode
 * @returns {Object} Coordinates of the boundaries
 */
function getBoundaries(popper, reference, padding, boundariesElement, fixedPosition) {
  // NOTE: 1 DOM access here
  var varDocScrollPosTop = (window.pageYOffset || document.documentElement.scrollTop)

  var fixedPos = fixedPosition || getFixedPositionOffsetParent(popper);
  var referencePos = getBoundingClientRect(reference);
  var popperPos = getBoundingClientRect(popper);
  var popperPadding = getBoundingClientRect(popperPadding ? popperPadding : reference);

  var boundariesPos = getBoundingClientRect(boundariesElement);

  if (fixedPos) {
    var fixedBorders = getBoundingClientRect(fixedPos);
    var fixedTop = fixedBorders.top;
    var fixedLeft = fixedBorders.left;
    var fixedBottom = fixedBorders.bottom;
    var fixedRight = fixedBorders.right;
  }

  var boundaries = {
    top: boundariesPos.top,
    right: boundariesPos.right,
    bottom: boundariesPos.bottom,
    left: boundariesPos.left
  };

  // In case the popper is fixed (position: fixed), we need to
  // adjust the boundaries of the reference element
  if (fixedPos) {
    boundaries.top += referencePos.top - popperPos.top + fixedBorders.top - fixedPos.scrollTop;
    boundaries.right -= fixedBorders.right - fixedBorders.right;
    boundaries.bottom -= fixedBorders.bottom - fixedBorders.bottom;
    boundaries.left += fixedBorders.left - fixedBorders.left;
  }

  // In case the popper is not fixed (position: relative or absolute), we
  // need to adjust the boundaries of the popper itself
  if (!fixedPos) {
    boundaries.top += referencePos.top - popperPos.top - popperPadding.top - popperPadding.bottom;
    boundaries.right -= popperPadding.right - popperPadding.left;
    boundaries.bottom -= popperPadding.top - popperPadding.bottom - popperPadding.bottom;
    boundaries.left += popperPadding.right - popperPadding.left - popperPadding.left;
  }

  return boundaries;
}
```javascript
var offsets = getOffsetRectRelativeToArbitraryNode(boundariesNode, offsetParent, fixedPosition); // In case of HTML, we need a different computation
if (boundariesNode.nodeName === 'HTML' &
 & !isFixed(offsetParent)) {
    var getWindowSizes = getWindowSizes(popper.ownerDocument),
    height = _getWindowSizes.height,
    width = _getWindowSizes.width;
    boundaries.top += offsets.top;
    boundaries.right = width + offsets.right;
}

// In case of HTML, we need a different computation
if (boundariesNode.nodeName === 'HTML' &&
    !isFixed(offsetParent)) {
    var getWindowSizes = getWindowSizes(popper.ownerDocument),
    height = _getWindowSizes.height,
    width = _getWindowSizes.width;
    boundaries.top += offsets.top;
    boundaries.right = width + offsets.right;
}

// Add paddings
var padding = padding || 0;

// for all the other DOM elements, this one is good
boundaries = offsets;

// In case of HTML, we need a different computation
if (boundariesNode.nodeName === 'HTML' &&
    !isFixed(offsetParent)) {
    var _getWindowSizes = getWindowSizes(popper.ownerDocument),
        height = _getWindowSizes.height,
        width = _getWindowSizes.width;
    boundaries.top += offsets.top - offsets.marginTop;
    boundaries.bottom = height + offsets.top;
    boundaries.left += offsets.left - offsets.marginLeft;
    boundaries.right = width + offsets.left;
} else { // for all the other DOM elements,
    boundaries = offsets;
}

// Add paddings
padding = padding || 0;

var isPaddingNumber = typeof padding === 'number';

boundaries.left += isPaddingNumber ? padding : padding.left || 0;
boundaries.top += isPaddingNumber ? padding : padding.top || 0;
boundaries.right -= isPaddingNumber ? padding : padding.right || 0;
boundaries.bottom -= isPaddingNumber ? padding : padding.bottom || 0;

// for all the other DOM elements, this one is good
boundaries = offsets;
```

position - CSS position the Popper will get applied

@template

**position**

* @param {HTMLElement} popper - the popper element
* @param {Object} referenceOffsets - the reference offsets (the popper will be relative to this)
* @returns {Object} popperOffsets - An object containing the offsets which will be applied to the popper.


function getPopperOffsets(popper, referenceOffsets, placement)


```javascript
function getPopperOffsets(popper, referenceOffsets, placement)
```
function setStyles(element, styles) {
  Object.keys(styles).forEach(function (prop) {
    var unit = "\n    // add unit if the value is numeric and is one of the following\n    if (['width', 'height', 'top', 'right', 'bottom', 'left'].indexOf(prop) !== -1 & & isNumeric(styles[prop])) {\n      unit = 'px';\n    }\n    \n    element.style[prop] = styles[prop] + unit;\n  });
}

/**
 * Set the attributes to the given popper\n * @method\n * @memberof Popper.\n * @argument {Element} element - Element to apply the attributes to\n * @argument {Object} styles - Object with a list of properties and values which will be applied to the element\n * @function setAttributes\n * @argument {Element} element - Element\n * @argument {Object} attributes - List of attribute properties - values which will be applied to the element\n */
function setAttributes(element, attributes) {
  Object.keys(attributes).forEach(function (prop) {
    var value = attributes[prop];
    if (value !== false) {
      element.setAttribute(prop, attributes[prop]);
    } else {
      element.removeAttribute(prop);
    }
  });
}

/**
 * @function applyStyle\n * @memberof Modifiers\n * @argument {Object} data - The data object generated by `update` method\n * @argument {Object} data.styles - List of style properties - values to apply to popper\n * @argument {Object} data.attributes - List of attribute properties - values to apply to popper\n * @argument {Object} options - Modifiers configuration and options\n * @returns {Object} The same data object\n */
function applyStyle(data) {
  // any property present in `data.styles` will be applied to the popper,\n  // in this way we can make the 3rd party modifiers add custom styles to it\n  // Be aware, modifiers could override the properties defined in the previous\n  // lines of this modifier!\n  setStyles(data.instance.popper, data.styles);
  // any property present in `data.attributes` will be applied to the popper,\n  // they will be set as HTML attributes of the element\n  setAttributes(data.instance.popper, data.attributes);
  // if arrowElement is defined and arrowStyles has some properties\n  if (data.arrowElement & & Object.keys(data.arrowStyles).length) {\n    setStyles(data.arrowElement, data.arrowStyles);\n  }\n  return data;
}

/**
 * @function computeStyle\n * @memberof Modifiers\n * @argument {Object} data - The data object generated by `update` method\n * @argument {Object} options - Modifiers configuration and options\n * @returns {Object} The data object, properly modified\n */
function computeStyle(data, options) {
  var x = options.x,
      y = options.y;
  var popper = data.offsets.popper;

  // remove this legacy support in Popper.js v2\n  var legacyGpuAccelerationOption = find(data.instance.modifiers, function (modifier) {
    return modifier.name === 'applyStyle';
  }).gpuAcceleration;
  if (legacyGpuAccelerationOption !== undefined) {
    console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported in future versions of Popper.js!');
  }
  var gpuAcceleration = legacyGpuAccelerationOption !== undefined ?
    legacyGpuAccelerationOption : options.gpuAcceleration;

  var offsetParent = getOffsetParent(data.instance.popper);
  var offsetParentRect = getBoundingClientRect(offsetParent);
  var x = options.x,\n      y = options.y;\n  var popper = data.offsets.popper;\n  // Remove this legacy support in Popper.js \n  var legacyGpuAccelerationOption = find(data.instance.modifiers, function (modifier) {\n    return modifier.name === 'applyStyle';\n  }).gpuAcceleration;\n  if (legacyGpuAccelerationOption !== undefined) {\n    console.warn('WARNING: `gpuAcceleration` option moved to `computeStyle` modifier and will not be supported in future versions of Popper.js!');\n  }
  var gpuAcceleration = legacyGpuAccelerationOption !== undefined ?
    legacyGpuAccelerationOption : options.gpuAcceleration;
  var offsetParent =
    getOffsetParent(data.instance.popper);
  var offsetParentRect = getBoundingClientRect(offsetParent);
  // Avoid blurry text by using full pixel integers.\n  For pixel-perfect positioning, top/bottom prefers rounded values,\n  while left/right prefers floored values.\n  var offsets = {\n    left: Math.floor(popper.left),\n    top: Math.round(popper.top),\n    bottom: Math.round(popper.bottom),\n    right: Math.floor(popper.right)};
  var sideA = x === 'bottom' ? 'top' : 'bottom';\n  var sideB = y === 'right' ? 'left' : 'right';\n  if (gpuAcceleration.isSetTo('true') & & transform is supported,\n  we use `translate3d` to apply the position to the popper we\n  automatically use the supported prefixed version if needed\n  var prefixedProperty = getSupportedPropertyName('transform');\n}
a step back and look at this code closely (wtf?)

To avoid this problem, we provide two options (x and y), which allow us to define the offset origin. If we position a popper on top of a reference element, we can set it to 'top' to make the popper grow towards its top instead of its bottom.

```
var left = void 0,
      top = void 0;

if (sideA === 'bottom') {
    if (offsetParent.nodeName === 'HTML') {
        top = -offsetParent.clientHeight + offsets.bottom;
    } else {
        top = -offsetParentRect.height + offsets.bottom;
    }
} else {
    top = offsets.top;
}
```

If we position a popper on top of a reference element, we can set it to 'top' to make the popper grow towards its top instead of its bottom.

```
var left = void 0,
      top = void 0;

if (sideB === 'right') {
    if (offsetParent.nodeName === 'HTML') {
        left = -offsetParent.clientWidth + offsets.right;
    } else {
        left = -offsetParentRect.width + offsets.right;
    }
} else {
    left = offsets.left;
}
```

// when offsetParent is <html> the positioning is relative to the bottom of the screen (excluding the scrollbar) and not the bottom of the html element

```
var invertTop = sideA === 'bottom' ? -1 : 1;
var invertLeft = sideB === 'right' ? -1 : 1;
```

```
var data = _extends({}, attributes, data.attributes);
var data.styles = _extends({}, styles, data.styles);
var data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);
```

If we position a popper on top of a reference element, we can set it to 'top' to make the popper grow towards its top instead of its bottom.

```
var data = _extends({}, attributes, data.attributes);
var data.styles = _extends({}, styles, data.styles);
var data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);
```

```
// update `data` attributes, styles and arrowStyles
```

```
console.warn(requested + ' modifier is required by ' + _requesting + ' modifier in order to work, be sure to include it before ' + _requesting + '!');
```

```
var arrowElement = options.element;

// if arrowElement is a string, suppose it's a CSS selector
if (typeof arrowElement === 'string') {
    arrowElement = data.instance.popper.querySelector(arrowElement);

    // if arrowElement is not found, don't run the modifier
    if (!arrowElement) {
        return data;
    }
}
```

```
var left = offsets.left;

var data = _extends({}, attributes, data.attributes);
var data.styles = _extends({}, styles, data.styles);
var data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);
```

```
var data = _extends({}, attributes, data.attributes);
var data.styles = _extends({}, styles, data.styles);
var data.arrowStyles = _extends({}, data.offsets.arrow, data.arrowStyles);
```

```
console.warn(requested + ' modifier is required by ' + _requesting + ' modifier in order to work, be sure to include it before ' + _requesting + '!');
```

```
var arrowElement = options.element;

// if arrowElement is a string, suppose it's a CSS selector
if (typeof arrowElement === 'string') {
    arrowElement = data.instance.popper.querySelector(arrowElement);

    // if arrowElement is not found, don't run the modifier
    if (!arrowElement) {
        return data;
    }
}
```
reference[len] / 2 - arrowElementSize / 2;

  // Compute the sideValue using the updated popper offsets
  var css = getStyleComputedProperty(data.instance.popper);
  var popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);
  var popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);
  var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;

  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popper[len] - arrowElementSize / 2 - arrowElementSize / 2), 0);

  // Compute the sideValue using the updated popper offsets
  // take popper margin in account because we don't have this info available
  var css = getStyleComputedProperty(data.instance.popper);
  var popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);
  var popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);
  var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;

  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popper[len] - arrowElementSize / 2 - arrowElementSize / 2), 0);

  // Compute the sideValue using the updated popper offsets
  // take popper margin in account because we don't have this info available
  var css = getStyleComputedProperty(data.instance.popper);
  var popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);
  var popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);
  var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;

  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popper[len] - arrowElementSize / 2 - arrowElementSize / 2), 0);

  // Compute the sideValue using the updated popper offsets
  // take popper margin in account because we don't have this info available
  var css = getStyleComputedProperty(data.instance.popper);
  var popperMarginSide = parseFloat(css['margin' + sideCapitalized], 10);
  var popperBorderSide = parseFloat(css['border' + sideCapitalized + 'Width'], 10);
  var sideValue = center - data.offsets.popper[side] - popperMarginSide - popperBorderSide;

  // prevent arrowElement from being placed not contiguously to its popper
  sideValue = Math.max(Math.min(popper[len] - arrowElementSize / 2 - arrowElementSize / 2), 0);
floor(refOffsets.right) || placement === 'top' & floor(popperOffsets.bottom) > floor(refOffsets.top) || placement === 'bottom' & floor(popperOffsets.top) < floor(refOffsets.bottom);}

var overlapsLeft = floor(popperOffsets.left) < floor(boundaries.left); var overlapsRight = floor(popperOffsets.right) > floor(boundaries.right);

var overlapsTop = floor(popperOffsets.top) < floor(boundaries.top); var overlapsBottom = floor(popperOffsets.bottom) > floor(boundaries.bottom);

var overlapsBoundaries = placement === 'left' & overlapsLeft || placement === 'right' & overlapsRight || placement === 'top' & overlapsTop || placement === 'bottom' & overlapsBottom;

var overflowsLeft = floor(popperOffsets.left) < floor(boundaries.left);
var overflowsRight = floor(popperOffsets.right) > floor(boundaries.right);

var overflowsTop = floor(popperOffsets.top) < floor(boundaries.top);
var overflowsBottom = floor(popperOffsets.bottom) > floor(boundaries.bottom);

var overflowsBoundaries = placement === 'left' && overflowsLeft || placement === 'right' && overflowsRight || placement === 'top' && overflowsTop || placement === 'bottom' && overflowsBottom;

// flip the variation if required
var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
var flippedVariation = (!options.flipVariations && (isVertical && variation === 'start' && overflowsLeft || isVertical && variation === 'end' && overflowsRight || !isVertical && variation === 'start' && overflowsTop || !isVertical && variation === 'end' && overflowsBottom))

if (overlapsRef || overflowsBoundaries || flippedVariation) {
  // this boolean to detect any flip loop
  data.flipped = true;

  if (overlapsRef || overflowsBoundaries) {
    placement = flipOrder[index + 1];
  }

  if (flippedVariation) {
    variation = getOppositeVariation(variation);
  }

  data.placement = placement + (variation ? '-' + variation : '');

  // this object contains `position`, we want to preserve it along with any additional property we may add in the future
  data.offsets.popper = _extends({}, data.offsets.popper, getPopperOffsets(data.instance.popper, data.offsets.reference, data.placement));

  data = runModifiers(data.instance.modifiers, data, 'flip');
}

/**
 * @function
 * @memberof Modifiers
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object}
 */

function keepTogether(data) {
  var _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var placement = data.placement.split('-')[0];
  var floor = Math.floor;
  var isVertical = ['top', 'bottom'].indexOf(placement) !== -1;
  var side = isVertical ? 'right' : 'bottom';
  var opSide = isVertical ? 'left' : 'top';
  var measurement = isVertical ? 'width' : 'height';

  if (popper[side] < floor(reference[opSide])) {
    data.offsets.popper[opSide] = floor(reference[opSide]) - popper[measurement];
  }

  if (popper[opSide] > floor(reference[side])) {
    data.offsets.popper[opSide] = floor(reference[side]);
  }

  return data;
}

/**
 * Converts a string containing value + unit into a px value number
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} str - Value + unit string
 * @argument {String} measurement - `height` or `width`
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @returns {Number|String}
 * Value in pixels, or original string if no values were extracted
 */

function toValue(str, measurement, popperOffsets, referenceOffsets) {
  var split = str.match(/((?:-|\+)?\d*\.?\d*)(.*)/);
  var value = +split[1];
  var unit = split[2];

  if (!value) {
    return str;
  }

  if (unit.indexOf('%') === 0) {
    var element = void 0;
    switch (unit) {
      case '%p':
        element = popperOffsets;
        break;
      case '%r':
      default:
        element = referenceOffsets;
    }

    var rect = getClientRect(element);
    return rect[measurement] / 100 * value;
  } else if (unit === 'vh' || unit === 'vw') {
    var size;
  } else if (unit === 'vh' || unit === 'vw') {
    var size = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);
  } else {
    size = Math.max(document.documentElement.clientWidth, window.innerWidth || 0);
  }

  return +unit;
}

/**
 * Parse an `offset` string to extrapolate x and y numeric offsets.
 * @function
 * @memberof {modifiers~offset}
 * @private
 * @argument {String} offset
 * @argument {Object} popperOffsets
 * @argument {Object} referenceOffsets
 * @returns {Number|String}
 */

function parseOffset(offset, popperOffsets, referenceOffsets, basePlacement) {
  var offsets = [0, 0];

  var useHeight = (placement === 'left' || placement === 'right')

  if (isHeight) {
    switch (placement) {
      case 'top':
        useHeight = true;
        break;
      case 'bottom':
        useHeight = false;
        break;
    }
  }

  var useHeight = useHeight;

  if (useHeight) {
    offsets[1] = toValue(offset.split(',')[1], 'height', popperOffsets, referenceOffsets);
  } else {
    offsets[0] = toValue(offset.split(',')[0], 'width', popperOffsets, referenceOffsets);
  }

  return offsets;
}
in front (+10, -20, etc)

```javascript
var fragments = offset.split(/(\+|\-)/).map(function (frag) {
  return frag.trim();
});

// Detect if the offset string contains a pair of values or a single one
// they could be separated by comma or space
var divider = fragments.indexOf(find(fragments, function (frag) {
  return frag.search(/,|\s/) !== -1;
}));

if (fragments[divider] && fragments[divider].indexOf(',') === -1) {
  console.warn(`Offsets separated by white space(s) are deprecated, use a comma (,) instead.`);
}

// If divider is found, we divide the list of values and operands to divide
// them by offset X and Y.

var splitRegex = /\s*,\s*|\s+/;

var ops = divider !== -1 ?
  [fragments.slice(0, divider).concat([fragments[divider].split(splitRegex)[0]]),
   fragments[divider].split(splitRegex)[1]].concat(fragments.slice(divider + 1)) : [fragments];

// Convert the values with units to absolute pixels to allow our computations
ops = ops.map(function (op, index) {
  var measurement = (index === 1 ? !useHeight : useHeight) ? 'height' : 'width';
  return toValue(op, measurement, popperOffsets, referenceOffsets);
});

ops.forEach(function (op, index) {
  op.forEach(function (frag, index2) {
    if (isNumeric(frag)) {
      offsets[index] += frag * (op[index2 - 1] === '-' ? -1 : 1);
    }
  });
});
```

```
/**
 * @function
 * @memberof Modifiers
 *
 * @argument {Object} data - The data object generated by update method
 * @argument {Object} options - Modifiers configuration and options
 * @argument {Number|String} options.offset=0
 * The offset value as described in the modifier description
 * @returns {Object} The data object, properly modified
 */
function offset(data, _ref) {
  var offset = _ref.offset;

  var placement = data.placement,
      _data$offsets = data.offsets,
      popper = _data$offsets.popper,
      reference = _data$offsets.reference;

  var basePlacement = placement.split('-')[0];

  var offsets = null;
  if (isNumeric(+offset)) {
    offsets = [+offset, 0];
  } else {
    offsets = parseOffset(offset, popper, reference, basePlacement);
  }

  if (basePlacement === 'left') {
    popper.top += offsets[0];
    popper.left -= offsets[1];
  } else if (basePlacement === 'right') {
    popper.top += offsets[0];
    popper.left += offsets[1];
  } else if (basePlacement === 'top') {
    popper.left += offsets[0];
    popper.top -= offsets[1];
  } else if (basePlacement === 'bottom') {
    popper.left += offsets[0];
    popper.top += offsets[1];
  }

  data.popper = popper;
  return data;
}
```

```
/**
 * @function
 * @memberof Modifiers
 *
 * @argument {Object} data - The data object generated by `update` method
 * @argument {Object} options - Modifiers configuration and options
 * @returns {Object} The data object, properly modified
 */
function preventOverflow(data, options) {

  var boundariesElement = options.boundariesElement || data.instance.popper;

  // NOTE: DOM access here
  // resets the popper's position so that the document size can be calculated excluding the popper element itself
  var transformProp = getSupportedPropertyName('transform');
  var popperStyles = data.instance.popper.style;

  transform = popperStyles[transformProp];
  transform.top = ";"
  transform.left = ";"

  var boundaries = getBoundaries(data.instance.popper, data.instance.reference, options.padding,
    boundariesElement, data.positionFixed);

  // NOTE: DOM access here
  // restores the original style properties
  transform.top = ";"
  transform.left = ";"

  var order = options.priority;

  var popper = data.offsets.popper;

  var check = {
    primary: function primary(placement) {
      var value = popper[placement];
      if (popper[placement] < boundaries[placement] && !options.escapeWithReference) {
        value = Math.max(popper[placement], boundaries[placement]);
      }
      return defineProperty({}, placement,
```
value); //

   secondary: function secondary(placement) { //
     var mainSide = placement === 'right' ? 'left' : //
       'top'; //
     var value = popper[mainSide]; //
     if (popper[placement] > boundaries[placement] & & //
       options.escapeWithReference) { //
       value = Math.min(popper[mainSide], boundaries[placement]); //
     } //
   }

   order.forEach(function (placement) { //
     var side = ['left', 'top'].indexOf(placement) !== -1 ? 'primary' : //
       'secondary'; //
     popper = _extends({}, popper, check[side](placement)); //
   }); //

   data.offsets.popper = popper; //

   return data; //
}

/** //
 * @function //
 * @memberof Modifiers //
 * @argument {Object} data - The data object generated by `update` method //
 * @argument {Object} options - Modifiers configuration and options //
 * @returns {Object} The data object, properly modified //
 */
function shift(data) { //
  var placement = data.placement; //
  var basePlacement = placement.split('-')[0]; //
  var shiftvariation = placement.split('-')[1]; //

  // if shift variation is specified, run the modifier //
  if (shiftvariation) { //
    var _data$offsets = data.offsets, //
        reference = _data$offsets.reference, //
        popper = _data$offsets.popper; //

    var isVertical = ['bottom', 'top'].indexOf(basePlacement) !== -1; //
    var side = isVertical ? 'top' : 'left'; //
    var measurement = isVertical ? 'width' : 'height'; //

    var shiftOffsets = { //
      start: defineProperty({}, side, reference[side]), //
    };

    data.offsets.popper = _extends({}, popper, shiftOffsets[shiftvariation]); //
  }

  return data; //
}

/** //
 * @function //
 * @memberof Modifiers //
 * @argument {Object} data - The data object generated by `update` method //
 * @argument {Object} options - Modifiers configuration and options //
 * @returns {Object} The data object, properly modified //
 */
function hide(data) { //
  if (!isModifierRequired(data.instance.modifiers, 'hide', //
    'preventOverflow')) { //
    return data; //
  }

  var refRect = data.offsets.reference; //
  var bound = find(data.instance.modifiers, function (modifier) { //
    return modifier.name === 'preventOverflow'; //
  }).boundaries; //

  if (refRect.bottom < bound.top || refRect.left > bound.right || refRect.top > bound.bottom || //
    refRect.right < bound.left) { //
    // Avoid unnecessary DOM access if visibility hasn't changed if (data.hide === true) { //
      return data; //
    } else { //
      data.hide = true; //
      data.attributes['x-out-of-boundaries'] = ''; //
    }

    if (refRect.bottom > bound.top || refRect.left < bound.right || refRect.top < bound.bottom || //
      refRect.right > bound.left) { //
      // Avoid unnecessary DOM access if visibility hasn't changed if (data hide === false) { //
        return data; //
      } else { //
        data.hide = false; //
        data.attributes['x-out-of-boundaries'] = false; //
      }
    }

    data.hide = true; //
    data.attributes['x-out-of-boundaries'] = true; //

    return data; //
}

/** //
 * @function //
 * @memberof Modifiers //
 * @argument {Object} data - The data object generated by `update` method //
 * @argument {Object} options - Modifiers configuration and options //
 * @returns {Object} The data object, properly modified //
 */
function inner(data) { //
  var placement = data.placement; //
  var basePlacement = placement.split('-')[0]; //
  var _data$offsets = data.offsets, //
      popper = _data$offsets.popper, //
      reference = _data$offsets.reference; //

  var isHoriz = ['left', 'right'].indexOf(basePlacement) !== -1; //
  var subtractLength = isHoriz ? 'top' : 'left'; //
  var factor = reference[basePlacement] - (subtractLength ? popper[isHoriz ? 'width' : 'height'] : 0); //
  var data placement = getOppositePlacement(placement); //

  data.offsets.popper = getClientRect(popper); //
  return data; //
}

/** //
 * @function //
 * @memberof Modifiers //
 * @argument {Object} data - The data object generated by `update` method //
 * @argument {Object} options - Modifiers configuration and options //
 * @returns {Object} The data object, properly modified //
 */
function ModifierFn() { //
  return this; //
}

/** //
 * Modifiers are plugins used to alter the behavior of your poppers. //
 * Popper.js uses a set of 9 modifiers to provide all the basic functionalities //
 * needed by the library. //
 * Usually you don't want to override the `order`, `fn` and `onLoad` props. //
 * All the other properties are configurations that //
 * could be tweaked. //
 * @namespace modifiers //
 */
var modifiers = {
  shift: {
    order: 100,
    enabled: true,
    fn: shift
  },

  offset: {
    order: 110,
    enabled: true,
    fn: offset
  },

  hide: {
    order: 120,
    enabled: true,
    fn: hide
  },

  inner: {
    order: 130,
    enabled: true,
    fn: inner
  },

  ModifierFn: {
    order: 140,
    enabled: true,
    fn: ModifierFn
  }

  // It can be one either `-end` or `-start` //
  if (memberof modifiers & & //
    @memberof modifiers) { //
    @inner //
    @fn: shift; //
    @prop {number} order=100 - Index used to define the order of execution ? //
    @prop {Boolean} enabled=true - Whether the modifier is enabled or not //
    @prop {ModifierFn} *fn: shift fn //
  }

  // The `offset` modifier can shift your popper on both its axis. //
  * It accepts the following units: //
  * - `px` or unit-less, interpreted as pixels //
  * - `%` or `%r`, percentage relative to the length of
the reference element. The placement of the popper is determined by the `placement` parameter. Possible values are:
```
'auto'
'top'
'bottom'
'right'
'left'
```

- `top`: The popper is placed above the reference element.
- `bottom`: The popper is placed below the reference element.
- `right`: The popper is placed to the right of the reference element.
- `left`: The popper is placed to the left of the reference element.
- `auto`: The popper's placement is automatically determined based on the reference element's position.

Note: The `placement` parameter is case-sensitive.

### Placement Options

#### Top
- The popper is placed above the reference element.

#### Bottom
- The popper is placed below the reference element.

#### Right
- The popper is placed to the right of the reference element.

#### Left
- The popper is placed to the left of the reference element.

#### Auto
- The popper's placement is automatically determined based on the reference element's position.

### Example Usage

```
const placement = 'top';
```

### Requirements

#### Reference Element

- A DOM element used as the reference for the popper.

#### Popper Element

- A DOM element used as the popper.

### Popper's Placement

- The placement of the popper is determined by the `placement` parameter.
- The popper's placement can be set to `top`, `bottom`, `right`, `left`, or `auto`.
- The placement is automatically determined if `auto` is used.

### Example

```
const popper = document.getElementById('popper');
```

### Conclusion

By using the `placement` parameter, you can easily control the position of the popper relative to the reference element. This provides flexibility in creating user interface elements that interact well with the page layout.
@inner

/** @prop {number} order=600 - Index used to define the order of execution */

order: 600,

/** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */

enabled: true,

/** @prop {ModifierFn} fn: flip

/** @prop {String|Array} behavior=flip

/** @prop {number} order=600 - The popper will flip if it hits the edges of the `boundariesElement`

/** @prop {number} padding=5

/** @prop {String|HTML Element} boundariesElement=viewport

/** @prop {Boolean} enabled=false - Whether the modifier is enabled or not */

enabled: false,

/** @prop {ModifierFn} fn: inner

/** @prop {number} order=700 - Index used to define the order of execution */

order: 700,

/** @prop {Boolean} enabled=true - Whether the popper is enabled or not */

enabled: true,

/** @prop {ModifierFn} fn: computeStyle

/** @prop {number} order=800 - Index used to define the order of execution */

order: 800,

/** @prop {Boolean} enabled=true - Whether the modifier is enabled or not */

enabled: true,

/** @prop {ModifierFn} fn: applyStyle

/** @prop {number} order=850 - Index used to define the order of execution */

order: 850,

/** @prop {ModifierFn} fn: hide

/** @prop {number} order=700 - Index used to define the order of execution */

order: 700,

/** @prop {ModifierFn} fn: applyStyleOnLoad

/** @prop {ModifierFn} fn: inner

/** @prop {number} order=800 - Index used to define the order of execution */

order: 800,

/** @prop {ModifierFn} fn: computeStyle

/** @prop {number} order=850 - Index used to define the order of execution */

order: 850,

/** @prop {ModifierFn} fn: hide

/** @prop {number} order=700 - Index used to define the order of execution */

order: 700,

/** @prop {ModifierFn} fn: applyStyle

/** @prop {number} order=800 - Index used to define the order of execution */

order: 800,

/** @prop {ModifierFn} fn: hide

/** @prop {number} order=700 - Index used to define the order of execution */

order: 700,

/** @prop {ModifierFn} fn: applyStyleOnLoad

/** @prop {ModifierFn} fn: inner

/** @prop {number} order=800 - Index used to define the order of execution */

order: 800,

/** @prop {ModifierFn} fn: computeStyle

/** @prop {number} order=850 - Index used to define the order of execution */

order: 850,

/** @prop {ModifierFn} fn: hide

/** @prop {number} order=700 - Index used to define the order of execution */

order: 700,

/** @prop {ModifierFn} fn: applyStyleOnLoad

/** @prop {ModifierFn} fn: inner

/** @prop {number} order=800 - Index used to define the order of execution */

order: 800,

/** @prop {ModifierFn} fn: computeStyle

/** @prop {number} order=850 - Index used to define the order of execution */

order: 850,

/** @prop {ModifierFn} fn: hide

/** @prop {number} order=700 - Index used to define the order of execution */

order: 700,
**Open Source Used In Crosswork Change Automation and Health Insight 4.3.0**

```javascript
has been flipped by flip modifier

@property {Boolean} data.hide True if the reference element is out of
boundaries, useful to know when to hide the popper

@property {Object} data.styles Any CSS property defined here will be applied to
the popper. It expects the JavaScript nomenclature (eg. `marginBottom`)

@property {Object} data.offsets The measurements of popper, reference and
arrow elements

@property {Object} data.popper boundaries Offsets of the popper boundaries

@property {Object} data.popper.top, `left`, `width`, `height` values
- @property {Object} data.popper.styles reference `top`, `left`, `width`, `height`
- @property {Object} data.popper.data.styles Any CSS property defined here will be applied to
the popper arrow. It expects the JavaScript nomenclature (eg.
- `marginBottom`)

@property {Object} data.popper.arrow `top` and `left` offsets, only one of them will be different from
0; `width` is not used.

* @property {Boolean} data.hide True if the reference element is out of
boundaries, useful to know when to hide the popper

* @property {Boolean} data.hide True if the reference element is out of
boundaries, useful to know when to hide the popper

@property {Object} data.styles Any CSS property defined here will be applied to
the popper. It expects the JavaScript nomenclature (eg. `marginBottom`)

@property {Object} data.arrowElement Node used

- @property {Object} data.styles Any CSS property defined here will be applied to
the popper. It expects the JavaScript nomenclature (eg.
- `marginBottom`)

@property {Object} data.styles Any CSS property defined here will be applied to
the popper. It expects the JavaScript nomenclature (eg.
- `marginBottom`)

@property {Object} data.offsets The measurements of popper, reference and
arrow elements

@property {Object} data.offsets.popper `top`, `left`, `width`, `height` values

@property {Object} data.offsets.reference `top`, `left`, `width`, `height` values

@property {Object} data.offsets.arrow

**Default options provided to Popper.js constructor.**

To override an option, simply pass an object with the same name structure of
the `options` object, as the 3rd argument. For example:

```javascript
new Popper(ref, pop, { modifiers: [{ name: 'preventOverflow', enabled: true }] })
```

*/

/**
 * Default options provided to Popper.js constructor.
 * @type {Object}
 * @static
 * @memberof Popper
 */
var Defaults = {
  /**
   * Popper's placement.
   * @prop {Popper.placements} placement='bottom'
   */

  placement: 'bottom',

  /**
   * Set this to true if you want popper to position it self in 'fixed' mode
   * @prop {Boolean} positionFixed=false
   */
  positionFixed: false,

  /**
   * Whether events (resize, scroll) are
   * initially enabled
   * @prop {Boolean} eventsEnabled=true
   */
  eventsEnabled: true,

  /**
   * Set to true if you want to automatically remove the popper when
   * you call the 'destroy' method.
   * @prop {Boolean} removeOnDestroy=false
   */
  removeOnDestroy: false,

  /**
   * Callback called when the popper is created.
   * @callback onCreate
   * @param {Object} data
   */
  onCreate: function onCreate() {},

  /**
   * Callback called when the popper is
   * updated. This callback is not called
   * on the initialization/creation of the popper, but only on subsequent updates.
   * @callback onUpdate
   * @param {Object} data
   */
  onUpdate: function onUpdate() {},

  /**
   * List of modifiers used to modify the
   * offsets before they are applied to the popper.
   * They provide most of the functionalities of Popper.js.
   * @prop {Object} modifiers
   */
  modifiers: {};

  /**
   * The reference element used to position the popper
   * @param {HTMLElement} reference
   */
  reference: null,

  /**
   * The HTML element used as the popper
   * @param {HTMLElement} popper
   */
  popper: null
};

var Popper =

function Popper(reference, popper) {
  var _this = this;

  var options =

  // init state
  this.state = {
    isDestroyed: false,
    isCreated: false,
    scrollParents: []
  };

  // get

  // Refactoring modifiers' list (Object => Array)
  this.modifiers = Object.keys(this.options.modifiers).map(function (name) {
    return this.options.modifiers[name]; // sort the
    // modifiers by order
    .sort(function (a, b) { return a.order - b.order; });

  // modifiers have the ability
to execute arbitrary code when Popper.js get initialized
  // such code is executed in the same order of its modifier
  // they could add new properties to their options configuration
  // BE AWARE: don't add options to
 秆'options.modifiers.name' but to 'modifierOptions'
 秆
```
(modifierOptions.enabled && isFunction(modifierOptions.onLoad)) {
    modifierOptions.onLoad(_this.reference, _this.popper, _this.options, modifierOptions, _this.state);
  }

  // fire the first update to position the popper in the right place
  this.update();

  var eventsEnabled = this.options.eventsEnabled;
  if (eventsEnabled) {
    // setup event listeners, they will take care of update the
    // position in specific situations
    this.enableEventListeners();
  }

  // We can't use class properties because they don't get listed in the
  // class prototype and break stuff like Sinon stubs

  createClass(Popper, [{
    key: 'update',
    value: function update$$1() {
      return update.call(this);
    }
  }, {
    key: 'destroy',
    value: function destroy$$1() {
      return destroy.call(this);
    }
  }, {
    key: 'enableEventListeners',
    value: function enableEventListeners$$1() {
      return enableEventListeners.call(this);
    }
  }, {
    key: 'disableEventListeners',
    value: function disableEventListeners$$1() {
      return disableEventListeners.call(this);
    }
  }]);

  return Popper;
}();

/**
 * The `referenceObject` is an object that provides an interface compatible with
 * Popper.js and lets you use it as replacement of a real DOM node.<br />
 * You can use this method to position a popper relatively to a set of coordinates
 * in case you don't have a DOM node to use as reference.
 * @name referenceObject
 * @property {Function} data.getBoundingClientRect
 * A function that returns a set of coordinates compatible with the native `getBoundingClientRect` method.
 * @property {number} data.clientWidth
 * An ES6 getter that will return the width of the virtual reference element.
 * @property {number} data.clientHeight
 * An ES6 getter that will return the height of the virtual reference element.
 */

Popper.placements = placements;
Popper.Defaults = Defaults;

export default Popper;
//

sourceMappingURL=popper.js.map
"use strict";

var isValue = require("./is-value");

var forEach = Array.prototype.forEach, create = Object.create;

var process = function (src, obj) {
    var key;
    for (key in src)
        obj[key] = src[key];
};

// eslint-disable-next-line no-unused-vars
module.exports = function (opts1 /*, ...
...options*/) {
    var result = create(null);
    forEach.call(arguments, function (options) {
        if (!isValue(options))
            return;
        process(Object(options), result);
    });
    return result;
};

/** Used to detect hot functions by number of calls within a span of milliseconds. */
var HOT_COUNT = 800,
    HOT_SPAN = 16;

/* Built-in method references for those with the same name as other 'lodash' methods. */
var nativeNow = Date.now;

/**
 * Creates a function that'll short out and invoke `identity` instead of `func` when it's called `HOT_COUNT` or more times in `HOT_SPAN`
 * milliseconds.
 * The function to restrict.
 * @returns {Function} Returns the new shortable function.
 */
function shortOut(func) {
    var count = 0,
        lastCalled = 0;

    return function() {
        var stamp = nativeNow(),
            result = create(null);

        if (stamp - lastCalled > HOT_SPAN) {
            lastCalled = stamp;
        }

        if (++count >= HOT_COUNT) {
            return arguments[0];
        }

        return func.apply(undefined, arguments);
    };
}

module.exports = shortOut;

var isSymbol = require('./isSymbol');

/**
 * Converts `value` to a symbol if `value` is not a symbol.
 * @param {*} value
 * @returns {symbol}
 */
function toSymbol(value) {
    if (isSymbol(value)) {
        return value;
    }

    var result = create(null);

    if (typeof Symbol !== 'undefined') {
        return Symbol(Symbol(value));
    }

    return result; 
}

module.exports = toSymbol;

```javascript

// Example usage:

var a = 5;
var b = toSymbol(a);
```
this.$root.$i18n.formatter;
          options.i18n.fallbackLocale = this.$root.$i18n.fallbackLocale;
        }

        // init locale messages via custom blocks
        if (options._i18n) {
          try {
            var localeMessages$1 = merge(localeMessages$1, JSON.parse(options.resource));
          } catch (e) {
            warn("Cannot parse locale messages via custom blocks.", e);
            options.i18n.fallbackLocale = this.$root.$i18n.fallbackLocale;
          }
        }

        // init locale messages via custom blocks
        if (options.__i18n) {
          try {
            var localeMessages$1 = {};
            options.__i18n.forEach(function (resource) {
              localeMessages$1 = merge(localeMessages$1, JSON.parse(resource));
            });
            options.i18n.messages = localeMessages$1;
          } catch (e) {
            if (process.env.NODE_ENV !== 'production') {
              warn("Cannot parse locale messages via custom blocks.", e);
            }
          }
        }

        this._i18n = new VueI18n(options.i18n);
        this._i18nWatcher = this._i18n.watchI18nData();
        this._i18n.subscribeDataChanging(this);
        this._subscribing = true;

        if (options.i18n.sync === undefined || !!options.i18n.sync) {
          this._localeWatcher = this.$i18n.watchLocale();
        } else {
          if (process.env.NODE_ENV !== 'production') {
            warn("Cannot be interpreted 'i18n' option.");
          }
        }
      } else if (this.$root && this.$root.$i18n && this.$root.$i18n instanceof VueI18n) {
        // root i18n
        this._i18n = this.$root.$i18n;
        this._i18n.subscribeDataChanging(this);
        this._subscribing = true;
      } else if (options.parent && options.parent.$i18n && options.parent.$i18n instanceof VueI18n) {
        // parent i18n
        this._i18n = options.parent.$i18n;
        this._i18n.subscribeDataChanging(this);
        this._subscribing = true;
      }
    } else if (this.$root.$i18n.$i18n instanceof VueI18n) {
      // i18n instance of VueI18n
      this._i18n = this.$root.$i18n;
    } else if (options.i18n) {
      // i18n instance
      this._i18n = options.i18n;
    } else if (process.env.NODE_ENV !== 'production') {
      warn("Cannot find VueI18n instance!");
    }

    return this._i18n.$i18n;
  }

  beforeDestroy: function beforeDestroy () {
    if (!this._i18n) { return }

    if (this._subscribing) {
      this._i18n.unsubscribeDataChanging(this);
      delete this._subscribing;
    }

    if (this._i18nWatcher) {
      this._i18nWatcher();
      delete this._i18nWatcher;
    }

    if (this._localeWatcher) {
      this._localeWatcher();
      delete this._localeWatcher;
    }

    this._i18n = null;
  }

  /* */

  component: {
    name: 'i18n',
    functional: true,
    props: {
      tag: {
        type: String,
        default: 'span'
      },
      path: {
        type: String
      },
      locale: {
        type: String
      },
      places: {
        type: [Array, Object]
      }
    },
    render: function render (h, ref) {
      var props = ref.props;
      var data = ref.data;
      var children = ref.children;
      var parent = ref.parent;

      var i18n = parent.$i18n;

      children = (children || []).filter(function (child) {
        return child.tag || (child.text = child.text.trim())
      });

      if (!i18n) {
        if (process.env.NODE_ENV !== 'production') {
          warn('Cannot find VueI18n instance!');
        }
        return children
      }

      var path = props.path;
      var locale = props.locale;
      var params = {};
      var places = props.places || {};

      if (Array.isArray(places)) {
        places.forEach(function (el, i) {
          params[i] = el;
        });
      } else {
        Object.keys(places).forEach(function (key) {
          params[key] = places[key];
        });
      }

      children.forEach(function (child, i) {
        var key = everyPlace ? ("" + (child.data.attrs.place)) : ("" + i);
        params[key] = child;
      });

      return h(props.tag, data, i18n.i(path, locale, params))
    }
  }

  /* */

  function bind (el, binding, vnode) {
    if (!assert(el, vnode)) { return }

    t(el, binding, vnode);
  }

  function update (el, binding, vnode, oldVNode) {
    if (!assert(el, vnode)) { return }

    var i18n = vnode.context.$i18n;
    if (localeEqual(el, vnode) && (looseEqual(binding.value, binding.oldValue) &&
      looseEqual(i18n.getLocaleMessage(i18n.locale), i18n.getLocaleMessage(vnode.locale)))) {
      return
    }

    if (Array.isArray(vnode.data)) {
      vnode.data.forEach(function (k) {
        params[k] = el.params[k];
      });
    } else {
      Object.keys(vnode.data).forEach(function (key) {
        params[key] = places[key];
      });
    }

    children.forEach(function (child, i) {
      var key = everyPlace ? ("" + (child.data.attrs.place)) : ("" + i);
      params[key] = child;
    });

    return h(props.tag, data, i18n.i(path, locale, params))
  }

  function unbind (el, binding, vnode, oldVNode) {
    var vm = vnode.context;
    if (!vm) {
      warn('Vue instance does not exists in VNode context');
      return
    }

    var params = el.params;
    if (params) {
      params.$i18n = i18n;
    }
    if (i18n) {
      i18n.unsubscribeDataChanging(this);
      delete this._subscribing;
    }

    if (i18nWatcher) {
      i18nWatcher();
      delete this._i18nWatcher;
    }

    this._i18n = null;
  }

  function localeEqual (el, vnode) {
    return el.i18n.locale === vnode.i18n.locale
  }

  function assert (el, vnode) {
    var vm = vnode.context;
    if (!vm) {
      warn('Vue instance does not exists in VNode context');
      return false
    }

    var params = el.params;
    if (params) {
      params.$i18n = i18n;
    } else {
      el.$_vt = undefi
not supported');
    return
  }

  if (!path) {
    warn('`path` is required in v-t directive');
    return
  }

  var vm = vnode.context;
  if (choice) {
    el._vt = el.textContent = (ref$1 = vm.$i18n).tc.apply(ref$1, 
[91x761].concat( makeParams(locale, args) ));
  } else {
    el._vt = el.textContent = (ref$2 = vm.$i18n).t.apply(ref$2, 
[91x746].concat( makeParams(locale, args) ));
  }
  el._locale = vm.$i18n.locale;
  el._localeMessage = vm.$i18n.getLocaleMessage(vm.$i18n.locale);
}

function parseValue (value) {
  var path;
  var locale;
  var args;
  var choice;

  if (typeof value === 'string') {
    path = value;
  } else if (isPlainObject(value)) {
    path = value.path;
    locale = value.locale;
    args = value.args;
    choice = value.choice;
  }

  return { path: path,
[91x686]locale: locale, args: args, choice: choice }
}

function makeParams (locale, args) {
  var params = 
[91x671]&& params.push(locale);
  if (args && (Array.isArray(args) || isPlainObject(args))) {
    params.push(args);
[91x656]}

  return params
}

var Vue;

function install (_Vue) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && install.installed && _Vue === Vue) {
    warn('already installed.');
    return
  }
  install.installed = true;

  Vue = _Vue;

  var version = (Vue.version && Number(Vue.version.split('.')(0))) || -1;
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' && version < 2) {
    warn(("vue-i18n (" + (install.version) + ") need to use Vue 2.0 or later (Vue: " + (Vue.version) + ")."));
    return
  }

  extend(Vue);
  Vue.mixin(mixin);
  Vue.directive('t', { bind: bind,
[91x566]update: update, unbind: unbind });
  Vue.component(component.name, component);

  // use simple mergeStrategies to prevent i18n instance lose '__proto__'
  var strats = Vue.config.optionMergeStrategies;
  strats.i18n = function (parentVal, childVal) {
    return childVal === undefined
      ? parentVal
      : childVal
  };
```javascript
/**
 * Check if an expression is a literal value.
 */

var literalValueRE = /^\s?(?:true|false|-[\d.]+|'[^']*'|"[^"\n]*")\s?$/;
function isLiteral (exp) {
  return literalValueRE.test(exp)
}

/**
 * Strip quotes from a string
 */

function stripQuotes (str) {
  var a = str.charCodeAt(0);
  var b = str.charCodeAt(str.length - 1);
  return a === b && (a === 0x22 || a === 0x27)
    ? str.slice(1, -1)
    : str
}

/**
 * Determine the type of a character in a keypath.
 */

function getPathCharType (ch) {
  if (ch === undefined || ch === null) { return 'eof' }

  var code = ch.charCodeAt(0);

  switch (code) {
    case 0x5B: // 
    case 0x5D: // 
    case 0x2E: // .
    case 0x22: // 
    case 0x27: // '
      return ch

    case 0x5F: // 
    case 0x24: // $
    case 0x2D: // -
      return 'ident'

    case 0x20: // Space
    case 0x09: // Tab
    case 0x0A: // Newline
    case 0x0D: // Return
    case 0xA0:  // No-break space
    case 0xFEFF:  // Byte Order Mark
    case 0x2028:  // Line Separator
    case 0x2029:  // Paragraph Separator
      return 'ws'
  }

  return
}

/**
 * Format a subPath, return its plain form if it is is a literal string or number. Otherwise prepend the * dynamic indicator (*).
 */

function formatSubPath (path) {
  var trimmed = path.trim();
  // invalid leading 0
  if (path.charAt(0) === '0' && isNaN(path)) { return false }

  return isLiteral(trimmed) ? stripQuotes(trimmed) : '*' + trimmed
}

/**
 * Parse a string path into an array of segments
 */

function parse$1 (path) {
  var keys = 
  var index = -1;
  var mode = BEFORE_PATH;
  var subPathDepth = 0;
  var c;
  var key;
  var newChar;
  var type;
  var transition;
  var action;
  var typeMap;
  var actions = 

  actions[PUSH] = function () {
    if (key !== undefined) {
      keys.push(key);
      key = undefined;
    }
  }

  actions[APPEND] = function () {
    if (key === undefined) {
      key = newChar;
    } else {
      key += newChar;
    }
  };

  function maybeUnescapeQuote () {
    var nextChar = path[index + 1];
    if ((mode === IN_SINGLE_QUOTE && nextChar === "") ||
      (mode === IN_DOUBLE_QUOTE && nextChar === "")) {
      index++;
      newChar = '\\' + nextChar;
      actions[APPEND]();
      return true
    }
  }

  while (mode !== null) {
    index++;
    c = path[index];

    if (c === '\\' && maybeUnescapeQuote()) {
      continue
    }

    type = getPathCharType(c);
    typeMap = pathStateMachine[mode];
    transition = typeMap[type] || typeMap['else'] || ERROR;

    if (transition === ERROR) {
      return (mode === AFTER_PATH) ? 
        this._cache[path] = Object.create(null);
        var **\n * External parse that check for a cache hit first
        * @method parsePath
        * @param path
        * @return
        */

        var I18nPath = function I18nPath

        /**
         * Get path value from path string
         */

        I18nPath.prototype.getPathValue = function getPathValue (obj, path) {
          if (isObject(obj)) {
            return this
          }

          var length = paths.length;
          var last = obj;
          var i = 0;
          while (i < length) {
            var value = last[paths[i]];
            if (value !== undefined) {
              return last.value = value;
            }
            last = last || 
          }

          return
        }
```
'minimumIntegerDigits', 'minimumFractionDigits', 'maximumFractionDigits', 'minimumSignificantDigits', 'maximumSignificantDigits', 'localeMatcher', 'formatMatcher']

var linkKeyMatcher = /(?:@\([a-z]+\)?:(?:\[\w\-_\]+|\(\[\w\-_\]+\)))/g;

var bracketsMatcher = /\[\(\)/g;

var formatters = {
  'upper': function (str) { return str.toLocaleUpperCase(); },
  'lower': function (str) { return str.toLocaleLowerCase(); }
};

var VueI18n = function VueI18n (options) {
  var this$1 = this;
  if (options === void 0) options = {};

  // Auto install if it is not done yet and `window` has `Vue`.
  // To allow users to avoid auto-installation in some cases,
  // this code should be placed here. See #290
  /* istanbul ignore if */
  if (!Vue && typeof window !== 'undefined' && window.Vue) {
    install(window.Vue);
  }

  var locale = options.locale || 'en-US';
  var fallbackLocale = options.fallbackLocale || 'en-US';
  var messages = options.messages || {};
  var dateTimeFormats = options.dateTimeFormats || {};
  var numberFormats = options.numberFormats || {};

  this._vm = null;
  this._formatter = options.formatter || new BaseFormatter();

  this._missing = options.missing || null;
  this._root = options.root || null;
  this._sync = options.sync === undefined ? true : !!options.sync;

  this._initVM({
    locale: locale,
    fallbackLocale: fallbackLocale,
    messages: messages,
    dateTimeFormats: dateTimeFormats,
    numberFormats: numberFormats
  });

  this._warnDefault = function _warnDefault (locale, key, result, vm, values) {
    if (result) { return result }
    if (this._missing) {
      var missingRet = this._missing.apply(null,
        [this._root, this._path, this._dataListeners, locale, key, message, key])
    }
    return result;
  };

  this._exist = function (message, key) {
    if (!message || !key) { return false };
    return !isNull(this._path.getPathValue(message, key));
  };

  this._getMessages = function _getMessages () { return this._vm.messages };

  this._getDateTimeFormats = function _getDateTimeFormats () { return this._vm.dateTimeFormats };

  this._getNumberFormats = function _getNumberFormats () { return this._vm.numberFormats };

  this._warnDefault = function _warnDefault (locale, key, result, vm, values) {
    if (result) { return result }
    if (this._missing) {
      var missingRet = this._missing.apply(null,

      Vue.config.silent = true;
      this._vm = new Vue({
        data: data
      });

      Vue.config.silent = silent;
    }

    Vue.nextTick(function () {
      this._dataListeners[i].$forceUpdate();
    });
  };
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 1434

[locale, key, vm, values]);
    if (typeof missingRet === 'string') {
      return missingRet
    }
  } else {
    if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
      warn("Cannot translate the value of keypath '" + key + '". ' +
        'Use the value of keypath as default.'
      );
    }
  }
  return key
};

VueI18n.prototype._isFallbackRoot = function _isFallbackRoot (val) {
  return !val &&
  !isNull(this._root) && this._fallbackRoot
};

VueI18n.prototype._interpolate = function _interpolate (
  locale,
  message,
  key,
  host,
  interpolateMode, values,
  visitedLinkStack
) {
  if (!message) { return
  }

  var pathRet = this._path.getPathValue(message, key);
  if (Array.isArray(pathRet) ||
  isPlainObject(pathRet)) { return pathRet }

  var ret;
  if (isNull(pathRet)) {
    /* istanbul ignore else */
    if (isPlainObject(message)) {
      ret = message[key];
      if (typeof ret !== 'string') {
        if (process.env.NODE_ENV !== 'production' && !this._silentTranslationWarn) {
          warn(("Value of key '" + key + '" is not a string!");
        }
        return null
      }
    } else {
      return null
    } else {
      /* istanbul ignore else */
    }
  }

  // Check for the existence of links within the translated string
  if (ret.indexOf('@:') >= 0 || ret.indexOf('@.') >= 0) {
    ret = this._link(locale, message, ret, host,
      interpolateMode, values,
      visitedLinkStack
    );
  }

  return this._render(ret, interpolateMode,
    values)
};

VueI18n.prototype._link = function _link (
  locale,
  message,
  str,
  host,
  interpolateMode,
  values,
  visitedLinkStack
) {
  var this$1 = this;

  var ret = str;

  // Match all the links within the local
  // We are going to replace each of them with its translation
  var matches = ret.match(linkKeyMatcher);
  for (var idx in matches) {
    // ie compatible: filter custom array
    // prototype method
    if (!matches.hasOwnProperty(idx)) {
      continue
    }
    var link = matches[idx];
    var linkKeyPrefixMatches = link.match(linkKeyPrefixMatcher);
    var linkPrefix = linkKeyPrefixMatches[0];

    // Remove the leading @:, @.case: and the brackets
    var linkPlaceholder = link.replace(linkPrefix, '').replace(bracketsMatcher, '');

    if (visitedLinkStack.includes(linkPlaceholder)) {
      if (process.env.NODE_ENV !== 'production') {
        warn(("Circular reference found. \"" + link + "\" is already visited in the chain of " + (visitedLinkStack.reverse().join(' <- '))));
      }
      return ret
    }

    visitedLinkStack.push(linkPlaceholder);

    // Translate the link
    var translated = this$1._interpolate(
      locale, message, linkPlaceholder, host,
      interpolateMode === 'raw' ? 'string' : interpolateMode,
      interpolateMode === 'raw' ? undefined : values,
      visitedLinkStack
    );

    if (this$1._isFallbackRoot(translated)) {
      if (process.env.NODE_ENV !== 'production' &&
        !this$1._silentTranslationWarn) {
        warn("Fall back to translate the link placeholder '" + link + '" with root locale.");
      }
      /* istanbul ignore if */
      if (!this$1._root) { throw Error('unexpected error') }
      var root = this$1._root.$i18n;
      translated = root._translate(
        root._getMessages(), root.locale,
        root.fallbackLocale,
        linkPlaceholder, host, interpolateMode, values
      );
    }

    translated = this$1._warnDefault(
      locale, linkPlaceholder, translated, host,
      Array.isArray(values) ? values : [values]
    );

    if (formatters.hasOwnProperty(formatterName)) {
      translated = formatters[formatterName](translated);
    }

    visitedLinkStack.pop();

    // Replace the link with the translated
    ret = this$1._interpolate(locale, message, linkPlaceholder, host, interpolateMode, values,

  // return the compiled data (e.g. ["Too", VNode, 'bar']) with formatter
  return interpolateMode === 'string' ? ret.join("");
  }

  return ret.
};

VueI18n.prototype._render = function _render (message,
  interpolateMode, values) {
  var ret = this._formatter.interpolate(message, values);
  // if interpolateMode is not 'string',
  // return the compiled data (e.g. ["foo", VNode, 'bar']) with formatter
  return interpolateMode === 'string' ? ret.join("");

  return ret.
};

VueI18n.prototype._translate = function _translate (
  messages,
  locale,
  fallback,
  key,
  host,
  intermediateMode, args
) {

  var res =
  this._interpolate(locale, messages[locale], key, host, intermediateMode, args)

  if (typeof res !== 'string') {
    return res
  } else {
    var res =
  this._interpolate(fallback, messages[fallback], key, host, intermediateMode, args)

  return res
}
```javascript

// Sample code snippet from the image

if (args.length === 2) {
  if (typeof args[0] === 'string') {
    key = args[0];
  }
  if (typeof
return Object.assign({}, acc, ( obj = {}, obj[key] = args[0][key], obj ))
        }
        return acc
      }, null);

Object.keys(args[0]).reduce(function (acc, key) {
          var obj;

        if (numberFormatKeys.includes(key)) {
        key = args[0].key;
      }

      // Filter out number format options only
      options =
args[0];
    } else if (isObject(args[0])) {
      if (args[0].locale) {
        locale = args[0].locale;
      }
      if
key = null;
  var options = null;

  if (args.length === 1) {
    if (typeof args[0] === 'string') {
      key =
arguments.length - 1;
    while ( len-- > 0 ) args[ len ] = arguments[ len + 1 ];

  var locale = this.locale;
  var key = null;

  if (args.length === 1) {

  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    var _locale = fallback;
    formats = numberFormats[_locale];
  }

  if (isNull(formats) || isNull(formats[key])) {
    return null
  } else {
    var format = formats[key];

    var
locale = args[0].locale;
      }
      if (args[0].key) {
        key = args[0].key;
      }
    }
  } else if (args.length 

  var _locale = fallback;

  var formats = numberFormats[_locale];

  // fallback locale
  if (isNull(formats) || isNull(formats[key])) {
    var _locale = fallback;
    formats = numberFormats[_locale];
  }

  if (isNull(formats) || isNull(formats[key])) {
    return null
  } else {
    var format = formats[key];

    var
locale = args[0].locale;
      }
      if (args[0].key) {
        key = args[0].key;
      }
    } else if (typeof args[0] === 'string') {
        'string') {
        key = args[0][key];
      } else if (typeof args[0] === 'object') {
        key = args[0].key;
      } else if (typeof args[0] === 'number') {
        key = args[0].number;
      } else if (typeof args[0] === 'array') {
        key = args[0].array;
      } else if (typeof args[0] === 'date') {
        key = args[0].date;
      } else if (typeof args[0] === 'boolean') {
        key = args[0].boolean;
      } else if (typeof args[0] === 'null') {
        key = args[0].null;
      } else if (typeof args[0] === 'undefined') {
        key = args[0].undefined;
      } else if (typeof args[0] === 'function') {
        key = args[0].function;
      } else if (typeof args[0] === 'regexp') {
        key = args[0].regexp;
      } else if (typeof args[0] === 'symbol') {
        key = args[0].symbol;
      } else if (typeof args[0] === 'null') {
        return null
      } else {
        return ret || ''
      }
    } else {
      return ret || ''
    }
  }

};

VueI18n.prototype._d = function _d (value, locale, key) {
  /* istanbul ignore if */
  if (process.env.NODE_ENV !== 'production' &&
VueI18n.availabilities.localeTimeFormat) {
  throw Error('Cannot format a Date value due to not supported
Intl.DateTimeFormat.');
  return ''
}

  if (!key) {
    return new Intl.DateTimeFormat(locale).format(value)
  }

  if (!options) {
    // If options specified - create one time number formatter
    formatter = new
  }

return null
} else {
  return ret || ''
}
};

VueI18n.prototype.d = function d (value) {
    var args = [], len = arguments.length - 1;
    while ( len-- > 0 ) args[ len ] = arguments[ len + 1 ];

  var locale = this.locale;
  var key = null;

  if (args.length === 1) {
    if (typeof args[0] === 'string') {
      key =
```
<template>
  <div class="content-placeholder" v-once>
    <div class="content-placeholder__wrapper" :style="{ backgroundSize: size }">
      <div class="content-placeholder__wrapper__row" :style="{ height: row.height }" v-for="(row, r) in formattedRows" :key="r">
        <div :style="box.style" v-for="(box, b) in row.boxes" :key="b">
          <div v-if="box.subClass" :class="box.subClass"></div>
        </div>
      </div>
    </div>
  </div>
</template>

<script>
import { formatRows } from '../utils/placeholder.js'

/**
 * A component to fill empty spaces with animated placeholders until content is loaded.
 */
export default {
  name: 'ContentPlaceholder',
  props: {
    /**
     * An array of lines describing a series of cell sizes and margin sizes.
     */
    rows: {
      type: Array
    },
    /**
     * The size of the background gradient with the elapsing effect.
     */
    size: {
      type: String,
      default: '250%'
    }
  },
  computed: {
    formattedRows () {
      return formatRows(this.rows, 'content-placeholder__wrapper__row')
    }
  }
}
</script>

<style scoped lang="scss">
@import '../styles/lib';

@keyframes placeHolderShimmer{
  0%{
    background-position: 100% 0
  }
  100%{
    background-position: -100% 0
  }
}

.content-placeholder {
  overflow: hidden;

  &__wrapper {
    animation-duration: 1s;
    animation-fill-mode: forwards;
    animation-iteration-count: infinite;
    animation-name: placeHolderShimmer;
  }
}

</style>
```

class relative {
  &__row {
    width: 100%;
    box-sizing: border-box;
    display: flex;
    flex: 0 1 auto;
    flex-direction: row;
    flex-wrap: wrap;
    &__box {
      box-sizing: border-box;
      position: relative;
      height: 100%;
      margin-bottom: 0;
      background-color: white;
      overflow: hidden;
    }
  }
}
</style>

import mod from "-!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!/ContentPlaceholder.vue?vue&type=script&lang=js&"; export default mod; export * from "-!../../node_modules/cache-loader/dist/cjs.js??ref--12-0!../../node_modules/thread-loader/dist/cjs.js!../../node_modules/babel-loader/lib/index.js!../../node_modules/cache-loader/dist/cjs.js??ref--0-0!../../node_modules/vue-loader/lib/index.js??vue-loader-options!/ContentPlaceholder.vue?vue&type=script&lang=js&";

/* globals __VUE_SSR_CONTEXT__ */

// IMPORTANT: Do NOT use ES2015 features in this file (except for modules).
// This module is a runtime utility for cleaner component module output and will be included in the final webpack user bundle.

export default function normalizeComponent (scriptExports, render, staticRenderFns, functionalTemplate, injectStyles, scopeId, moduleIdentifier, /* server only */ shadowMode /* vue-cli only */) {
  // Vue.extend constructor export interop
  var options = typeof scriptExports === 'function' ? scriptExports.options : scriptExports;

  // render functions
  if (render) { options.render = render;
    options.staticRenderFns = staticRenderFns;
    options._compiled = true;
    // functional template
    if (functionalTemplate) {
      options.functional = true;
      // scopedId
      if (scopeId) {
        options._scopeId = 'data-v-' + scopeId;
      }
      var hook = function (context) {
        // server build
        context = context || (this.$vnode && this.$vnode.ssrContext) || (this.parent && this.parent.$vnode && this.parent.$vnode.ssrContext) || statefulId || this.$root.$options.shadowRoot;
        // inject component styles
        if (injectStyles) {
          injectStyles.call(this, context);
        }
        // register component module identifier for async chunk inheritance
        if (context && context._registeredComponents) {
          context._registeredComponents.add(moduleIdentifier);
        }
      }
      options._ssrRegister = hook;
    } else if (injectStyles) { options.hook = shadowMode ? function () {
        injectStyles.call(this, this.$root.$options.shadowRoot);
      } : injectStyles;
      options.hook = function (context) {
        if (hook) { options._ssrRegister = context;
          return originalRender(h, context);
        } else if (context && context._registeredComponents) {
          context._registeredComponents.add(moduleIdentifier);
        } else if (context && context._ssrRegister) {
          context._ssrRegister = context;
        }
     );
    }
    // use by ssr in case component is cached and beforeCreate
    // never gets called
    options._ssrRegister = hook;
  } else {
    options.beforeCreate = options.beforeCreate;
    new function () {
      injectStyles.call(this, this.$options.shadowRoot);
      options._ssrRegister = function (context) {
        context = context || (this.$vnode && this.$vnode.ssrContext) || (this.parent && this.parent.$vnode && this.parent.$vnode.ssrContext) || statefulId || this.$root.$options.shadowRoot;
        return originalRender(h, context);
      }
    }
  }

  component.options.__file = 'ContentPlaceholder.vue';
  export default component.exports;
}
```

```
import { render, staticRenderFns } from './ContentPlaceholder.vue?vue&type=template&id=40e3a912&scoped=true&';
import script from './ContentPlaceholder.vue?vue&type=script&lang=js&';
export * from './ContentPlaceholder.vue?vue&type=script&lang=js&';
import style0 from './ContentPlaceholder.vue?vue&type=style&index=0&id=40e3a912&scoped=true&lang=scss&';

var render = function () { var _vm = this; var _h = _vm.$createElement; var _c = _vm._self._c || _h; return _c('div', { staticClass: 'donate-form container-fluid py-2' }, [ (_vm.$t('donate-form.support')) + '' ]);};
```
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import { render, staticRenderFns } from './DonateForm.vue?vue&type=script&lang=js&
import { render, staticRenderFns } from './DonateForm.vue?vue&type=template&id=4fe5468d&
import { render, staticRenderFns } from './DonateForm.vue?vue&type=style&index=0&lang=scss&
import normalizer from '!!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js'
import { render, staticRenderFns } from './DonateForm.vue?vue&type=template&id=4fe5468d&
import { render, staticRenderFns } from './DonateForm.vue?vue&type=script&lang=js&

/* normalize component */
import normalizer from '!!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js'

function render() {
  return 
}

var staticRenderFns = [
  
]

export { render, staticRenderFns }
```javascript
let i = 0; i < len; i++) {
    handle(self, self._deferreds[i]);
}

/**
 * @constructor
 */
function Handler(onFulfilled, onRejected, promise) {
  this.onFulfilled = typeof onFulfilled === 'function' ?
    onFulfilled : null;
  this.onRejected = typeof onRejected === 'function' ?
    onRejected : null;
  this.promise = Promise.resolve(promise);
}

/**
 * Take a potentially misbehaving resolver function and make sure it
 * is only called once. Makes no guarantees about asynchrony.
 */
function doResolve(fn, self) {
  var done = false;
  try {
    fn(function(value) {
      if (done) return;
      done = true;
      resolve(value);
    },
    function(reason) {
      if (done) return;
      done = true;
      reject(reason);
    }
  );
}

Promise.prototype['catch'] = function(onRejected) {
  return this.then(null, onRejected);
}

Promise.prototype['finally'] = function(fn) {
  return this.then(fn, function() {});
}

Promise.prototype.resolve = function(value) {
  return new Promise(function(resolve) {
    resolve(value);
  });
}

Promise.prototype.reject = function(value) {
  return new Promise(function(resolve, reject) {
    reject(value);
  });
}

Promise.prototype.race = function(values) {
  return new Promise(function(resolve, reject) {
    for (var i = 0, len = values.length; i < len; i++) {
      values[i].then(resolve, reject);
    }
  });
}

Promise.all = function(arr) {
  return new Promise(function(resolve, reject) {
    if (!arr || typeof arr.length === 'undefined')
      throw new TypeError('Promise.all accepts an array');
    var args = Array.prototype.slice.call(arr);
    if (args.length === 0)
      return resolve([]);
    var remaining = args.length;

    function res(i, val) {
      try {
        if (val && (typeof val === 'object' || typeof val === 'function')) {
          var then = val.then;
          if (typeof then === 'function') {
            then.call(val,
              function(val) {
                res(i, val);
              },
              reject
            );
            return;
          }
        }
        args[i] = val;
        if (--remaining === 0) {
          resolve(args);
        }
      }
      catch (ex) {
        reject(ex);
      }
    }

    for (var i = 0; i < args.length; i++) {
      res(i, args[i]);
    }
  });
};

Promise.prototype.then = function(onFulfilled, onRejected) {
  // @ts-ignore
  var prom = new this.constructor(noop);

  handle(this, new Handler(onFulfilled, onRejected, prom));
  return prom;
};

Promise.prototype['finally'] = promiseFinally;

Promise.resolve = function(value) {
  if (value && typeof value === 'object' && value.constructor ===
    Promise) {
    return value;
  }

  return new Promise(function(resolve) {
    resolve(value);
  });
}

Promise.reject = function(value) {
  return new Promise(function(resolve, reject) {
    reject(value);
  });
}

Promise.race = function(values) {
  return new Promise(function(resolve, reject) {
    for (var i = 0, len = values.length; i < len; i++) {
      values[i].then(resolve, reject);
    }
  });
}

// Use polyfill for setImmediate for performance gains
Promise._immediateFn =
  (typeof setImmediate === 'function' &&
    function(fn) {
      setImmediate(fn);
    }) ||
  function(fn) {
    setTimeoutFunc(fn, 0);
  };
Object(target);\n  for (var index = 1; index < arguments.length; index++) {\n    var nextSource = arguments[index];\n    if (nextSource != null) {\n      // Skip over if undefined or null\n      for (var nextKey in nextSource) {\n        // Avoid bugs when hasOwnProperty is shadowed\n        if (Object.prototype.hasOwnProperty.call(nextSource, nextKey)) {\n          to[nextKey] = nextSource[nextKey];\n        }\n      }\n    }\n  }\n}\nreturn to;\n}// @link https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/is#Polyfill\n
is(\n  (!Object.is) \n  Object.is = function (x, y) {\n    if (x === y) {\n      // Steps 1-5, 7-10\n      return x !== 0 || 1 / x === 1 / y;\n    } else {\n      // Step 6.a: NaN\n      return NaN === NaN;\n    }\n  }\n);

Array.prototype.find = function (callback) {\n  // Needed for IE support\n  if (!Array.prototype.find) {\n    // eslint-disable-next-line no-extend-class\n    Array.prototype.find = function (mapFn) {\n      // - Step a-h\n      var items = this;\n      var k = 0;\n      while (k < len) {\n        kValue = items[k];\n        if (kValue === void 0) {\n          return;\n        }\n        mapFn(kValue, k)\n      }\n    }\n  }();
}

// https://tc39.github.io/ecma262/#sec-array.prototype.find\n
// @link https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/is#Polyfill\n
Object.is = function (x, y) {\n  if (x === y) {\n    // Steps 1-5, 7-10\n    return x !== 0 || 1 / x === 1 / y;\n  } else {\n    // Step 6.a: NaN\n    return NaN === NaN;\n  }\n};

Object.is = function (x, y) {\n  if (x === y) {\n    // Steps 1-5, 7-10\n    return x !== 0 || 1 / x === 1 / y;\n  } else {\n    // Step 6.a: NaN\n    return NaN === NaN;\n  }\n};

Object.is = function (x, y) {\n  if (x === y) {\n    // Steps 1-5, 7-10\n    return x !== 0 || 1 / x === 1 / y;\n  } else {\n    // Step 6.a: NaN\n    return NaN === NaN;\n  }\n};

Object.is = function (x, y) {\n  if (x === y) {\n    // Steps 1-5, 7-10\n    return x !== 0 || 1 / x === 1 / y;\n  } else {\n    // Step 6.a: NaN\n    return NaN === NaN;\n  }\n};

Object.is = function (x, y) {\n  if (x === y) {\n    // Steps 1-5, 7-10\n    return x !== 0 || 1 / x === 1 / y;\n  } else {\n    // Step 6.a: NaN\n    return NaN === NaN;\n  }\n};
kValue

var kValue = o[k];

if (predicate.call(thisArg, kValue, k, o)) {
  return kValue;
}

// e. Increase k by 1.

k++;

} // Return undefined.

return undefined;

// fn

Array.isArray = function (arg) {

  return Object.prototype.toString.call(arg) === '[object Array]';
}

if (!Array.isArray) {

  return Array.isArray(find(array, fn, thisArg));
}

// Export function

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// Static

var arrayIncludes = function arrayIncludes(array, value) {

  return array.indexOf(value) !== -1;
}

// 7. Return undefined.

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 6. If array is null or undefined, return undefined.

return undefined;

// Export function

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 7. Return undefined.

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 6. If array is null or undefined, return undefined.

return undefined;

// Export function

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 7. Return undefined.

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 6. If array is null or undefined, return undefined.

return undefined;

// Export function

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 7. Return undefined.

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 6. If array is null or undefined, return undefined.

return undefined;

// Export function

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 7. Return undefined.

var arrayFind = function arrayFind(array, fn, thisArg) {

  return array.findIndex(function(array, value) {

    return array.indexOf(value) !== -1;
  });
}

// 6. If array is null or undefined, return undefined.

return undefined;
Test if an element has a class

```javascript
export var hasClass = function hasClass(el, className) {
  if (className && isElement(el)) {
    return el.classList.contains(className);
  }
  return false;
}
```

Set an attribute on an element

```javascript
export var setAttr = function setAttr(el, attr, value) {
  if (attr && isElement(el)) {
    el.setAttribute(attr, value);
  }
}
```

Remove an attribute from an element

```javascript
export var removeAttr = function removeAttr(el, attr) {
  if (attr && isElement(el)) {
    el.removeAttribute(attr);
  }
}
```

Get an attribute value from an element

```javascript
export var getAttr = function getAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.getAttribute(attr);
  }
  return null;
}
```

Determine if an attribute exists on an element

```javascript
export var hasAttr = function hasAttr(el, attr) {
  if (attr && isElement(el)) {
    return el.hasAttribute(attr);
  }
  return null;
}
```

Get the Bounding Client Rect of an element

```javascript
export var getBCR = function getBCR(el) {
  return isElement(el) ? el.getBoundingClientRect() : null;
}
```

Get computed style object for an element

```javascript
export var getCS = function getCS(el) {
  return isElement(el) ? window.getComputedStyle(el) : {};
}
```

Return an element's offset wrt document element

```javascript
export var offset = function offset(el) {
  if (isElement(el)) {
    if (!el.getClientRects().length) {
      return { top: 0, left: 0 }; // Return null if no element
    }
    var bcr = getBCR(el);
    var win = el.ownerDocument.defaultView;
    return {
      top: bcr.top + win.pageYOffset,
      left: bcr.left + win.pageXOffset
    };
  }
}
```

Get an element's offset wrt to it's offsetParent

```javascript
export var position = function position(el) {
  if (!isElement(el)) {
    return;
  }
  var parentOffset = { top: 0, left: 0 };
  var offsetParent = void 0;
  if (getCS(el).position === 'fixed') {
    offsetSelf = getBCR(el);
  } else {
    var doc = el.ownerDocument;
    offsetParent = el.offsetParent || doc.documentElement;
    while (offsetParent && (offsetParent === doc.body || offsetParent === doc.documentElement) &&
      getCS(offsetParent).position === 'static') {
      offsetSelf = offsetParent;
      offsetParent = offsetParent.parentNode;
    }
  }
  return {
    top: offsetSelf.top - parentOffset.top - parseFloat(getCS(el).marginTop),
    left: offsetSelf.left - parentOffset.left - parseFloat(getCS(el).marginLeft)
  };
}
```

Attach an event listener to an element

```javascript
export var eventOn = function eventOn(el, evtName, handler) {
  if (el && el.addEventListener) {
    el.addEventListener(evtName, handler);
  }
}
```

Remove an event listener from an element

```javascript
export var eventOff = function eventOff(el, evtName, handler) {
  if (el && el.removeEventListener) {
    el.removeEventListener(evtName, handler);
  }
}
```

---

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(arrayIncludes(propsToPick, prop)) {\n memo[prop] = freshLinkProps[prop];\n }\n\n return memo;\n },
{});\n}\n\nexport function omitLinkProps(propsToOmit) {\n var freshLinkProps = propsFactory();\n // Normalize
everything to array.\n propsToOmit = concat(propsToOmit);\n\n return keys(props).reduce(function (memo, prop)
{\n if (!arrayIncludes(propsToOmit, prop)) {\n
memo[prop] = freshLinkProps[prop];\n }\n\n return
memo;\n }, {});\n}\n\nexport var computed = {\n linkProps: function linkProps() {\n var linkProps = {};\n var
propKeys = keys(props);\n\n for (var i = 0; i < propKeys.length; i++) {\n
var prop = propKeys[i];\n //
Computed Vue getters are bound to the instance.\n
linkProps[prop] = this[prop];\n }\n\n return linkProps;\n
}\n};\n\nfunction computeTag(props, parent) {\n return Boolean(parent.$router) && props.to && !props.disabled ?
'router-link' : 'a';\n}\n\nfunction computeHref(_ref, tag) {\n var disabled = _ref.disabled,\n
href = _ref.href,\n
to = _ref.to;\n\n // We've already checked the parent.$router in computeTag,\n // so router-link means live router.\n
// When deferring to Vue Router's router-link,\n // don't use the href attr at all.\n // Must return undefined for routerlink to populate href.\n if (tag === 'router-link') return void 0;\n // If href explicitly provided\n if (href) return
href;\n // Reconstruct href when `to` used, but no router\n if (to) {\n // Fallback to `to` prop (if `to` is a string)\n
if (typeof to === 'string') return to;\n // Fallback to `to.path` prop (if `to` is an object)\n if ((typeof to ===
'undefined' ? 'undefined' : _typeof(to)) === 'object' && typeof to.path === 'string') return to.path;\n }\n // If nothing
is provided use '#'\n return '#';\n}\n\nfunction computeRel(_ref2) {\n var target = _ref2.target,\n
rel =
_ref2.rel;\n\n if (target === '_blank' && rel === null) {\n return 'noopener';\n }\n return rel ||
null;\n}\n\nfunction clickHandlerFactory(_ref3) {\n var disabled = _ref3.disabled,\n
tag = _ref3.tag,\n
href =
_ref3.href,\n
suppliedHandler = _ref3.suppliedHandler,\n
parent = _ref3.parent;\n\n var isRouterLink = tag
=== 'router-link';\n\n return function onClick(e) {\n if (disabled && e instanceof Event) {\n
// Stop event from
bubbling up.\n
e.stopPropagation();\n // Kill the event loop attached to this specific EventTarget.\n
e.stopImmediatePropagation();\n } else {\n
parent.$root.$emit('clicked::link', e);\n\n
if (isRouterLink &&
e.target.__vue__) {\n
e.target.__vue__.$emit('click', e);\n
}\n
if (typeof suppliedHandler === 'function')
{\n
suppliedHandler.apply(undefined, arguments);\n
}\n }\n\n if (!isRouterLink && href === '#' ||
disabled) {\n
// Stop scroll-to-top behavior or navigation.\n
e.preventDefault();\n }\n };\n}\n\nexport default
{\n functional: true,\n props: propsFactory(),\n render: function render(h, _ref4) {\n var props = _ref4.props,\n
data = _ref4.data,\n
parent = _ref4.parent,\n
children = _ref4.children;\n\n var tag = computeTag(props,
parent);\n var rel = computeRel(props);\n var href = computeHref(props, tag);\n var eventType = tag ===
'router-link' ? 'nativeOn' : 'on';\n var suppliedHandler = (data[eventType] || {}).click;\n var handlers = { click:
clickHandlerFactory({ tag: tag, href: href, disabled: props.disabled, suppliedHandler: suppliedHandler, parent:
parent }) };\n\n var componentData = mergeData(data, {\n
class: [props.active ? props.exact ?
props.exactActiveClass : props.activeClass : null, { disabled: props.disabled }],\n
attrs: {\n
rel: rel,\n
href: href,\n
target: props.target,\n
tabindex: props.disabled ? '-1' : data.attrs ? data.attrs.tabindex : null,\n
'aria-disabled': tag === 'a' && props.disabled ? 'true' : null\n
},\n
props: assign(props, { tag: props.routerTag
})\n });\n\n // If href prop exists on router-link (even undefined or null) it fails working on SSR\n if
(!componentData.attrs.href) {\n
delete componentData.attrs.href;\n }\n\n // We want to overwrite any click
handler since our callback\n // will invoke the supplied handler if !props.disabled\n componentData[eventType]
= assign(componentData[eventType] || {}, handlers);\n\n return h(tag, componentData, children);\n
}\n};","function _defineProperty(obj, key, value) { if (key in obj) { Object.defineProperty(obj, key, { value: value,
enumerable: true, configurable: true, writable: true }); } else { obj[key] = value; } return obj; }\n\nimport {
mergeData } from 'vue-functional-data-merge';\nimport pluckProps from '../../utils/pluck-props';\nimport { concat }
from '../../utils/array';\nimport { assign, keys } from '../../utils/object';\nimport { addClass, removeClass } from
'../../utils/dom';\nimport Link, { propsFactory as linkPropsFactory } from '../link/link';\n\nvar btnProps = {\n block:
{\n type: Boolean,\n default: false\n },\n disabled: {\n type: Boolean,\n default: false\n },\n size: {\n
type: String,\n default: null\n },\n variant: {\n type: String,\n default: null\n },\n type: {\n type: String,\n
default: 'button'\n },\n pressed: {\n // tri-state prop: true, false or null\n // => on, off, not a toggle\n type:
Boolean,\n default: null\n }\n};\n\nvar linkProps = linkPropsFactory();\ndelete linkProps.href.default;\ndelete
linkProps.to.default;\nvar linkPropKeys = keys(linkProps);\n\nexport var props = assign(linkProps,

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function listenOnRoot(event, callback) {
  if (typeof this[BVRL] !== 'undefined') {
    this[BVRL].push({ event, callback: callback });
    this.$root.$on(event, callback);
  }
  return this;
}

/**
 * Convenience method for calling vm.Semit on vm.$root.
 * @param {string} event
 * @param {*} args
 * @chainable
 */
emitOnRoot: function emitOnRoot(event) {
  var _$root;

  for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
    args[_key - 1] = arguments[_key];
  }

  (_$root = this.$root).$emit.apply(_$root, [event].concat(_toConsumableArray(args)));
  return this;
},

beforeDestroy: function
beforeDestroy() {
  if (this[BVRL] && isArray(this[BVRL])) {
    while (this[BVRL].length > 0) {
      // shift to process in order
      var _BVRL$shift = this[BVRL].shift(),
          event = _BVRL$shift.event,
          callback = _BVRL$shift.callback;

      this.$root.$off(event, callback);
    }
  }
}
};

import { assign } from './object';
import { isElement } from '../utils/dom';

/**
 * Observe a DOM element changes, falls back to eventListener mode
 * @param {Element} el The DOM element to observe
 * @param {Function} callback to be called on change
 * @param {object} [opts={childList: true, subtree: true}] observe options
 * @see http://stackoverflow.com/questions/3219758
 */
export default function observeDOM(el, callback, opts) {
  var MutationObserver = window.MutationObserver || window.WebKitMutationObserver || window.MozMutationObserver;
  var eventListerSupported = window.addEventListener;
  el = el ? el.$el || el : null;

  // Handle case where we might be passed a vue instance
  if (el && isElement(el)) {
    // We can't observe something that isn't an element
    return;
  }

  var obs = null;

  if (MutationObserver) {
    // Define a new observer
    obs = new MutationObserver(function(mutations) {
      var changed = false;
      // A Mutation can contain several change records, so we loop through them to see what has changed.
      for (var i = 0; i < mutations.length && !changed; i++) {
        // The muttion record
        var mutation = mutations[i];
        // Mutation Type
        var type = mutation.type;
        // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
        var target = mutation.target;

        if (type === 'characterData' && target.nodeType === Node.TEXT_NODE) {
          changed = true;
        } else if (type === 'attributes') {
          changed = true;
        } else if (type === 'childList' &&
          (target.addedNodes.length > 0 || target.removedNodes.length > 0)) {
          // We only call the callback if a change that could affect layout/size truly happened
          return callback();
        }
      }
      if (changed) {
        // We break out of the loop early if any "significant" change has been detected
        return;
      }
    });

    // DOM Node (could be any DOM Node type - HTMLElement, Text, comment, etc)
    var target = mutation.target;
  } else if (eventListerSupported) {
    // Legacy interface. most likely not used in modern browsers
    el.addEventListener('DOMNodeInserted', callback, false);
    el.addEventListener('DOMNodeRemoved', callback, false);
  }

  if (eventListerSupported) {
    // Legacy interface. most likely not used in modern browsers
    el.addEventListener('DOMNodeInserted', callback, false);
    el.addEventListener('DOMNodeRemoved', callback, false);
  }
  // We return a reference to the observer so that
  // To reduce overhead when the root element is hidden
  return obs;
},

/**
 * Log a warning message to the console with bootstrap-vue formatting sugar.
 * @param {string} message
 */
/* istanbul ignore next */
function warn(message) {
  console.warn('[Bootstrap-Vue warn]: ' + message);
}

export default warn;
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body.style.paddingRight = parseFloat(calculatedPadding) + scrollbarWidth + 'px';

resetScrollbar: function resetScrollbar() {
  // Restore fixed content padding
  selectAll(Selector.FIXED_CONTENT).forEach(function (el) {
    if (hasAttr(el, 'data-padding-right')) {
      el.style.paddingRight = getAttr(el, 'data-padding-right');
      removeAttr(el, 'data-padding-right');
    }
  });

  // Restore sticky content and navbar-toggler margins
  selectAll(Selector.STICKY_CONTENT + ',', '+
  Selector.NAVBAR_TOGGLER).forEach(function (el) {
    if (hasAttr(el, 'data-margin-right')) {
      el.style.marginRight = getAttr(el, 'data-margin-right') || '';
      removeAttr(el, 'data-margin-right');
    }
  });

  // Restore body padding
  var body = document.body;
  if (hasAttr(body, 'data-padding-right')) {
    body.style.paddingRight = getAttr(body, 'data-padding-right') || '';
    removeAttr(body, 'data-padding-right');
  }

  // Ensure everything is back to normal
  if (this._observer) {
    this._observer.disconnect();
    this._observer = null;
  }

  mounted: function mounted() {
    // Measure scrollbar
    this.getScrollbarWidth();
    // Listen for events from others to either open or close ourselves
    this.listenOnRoot('bv::show::modal', this.showHandler);
    this.listenOnRoot('bv::hide::modal', this.hideHandler);
    this.listenOnRoot('bv::modal::show', this.modalListener);
    // Initially show modal?
    if (this.visible === true) {
      this.show();
    }
  },
  beforeDestroy: function beforeDestroy() {
    // Re-adjust body/navbar/fixed padding/margins (if needed)
    if (this._observer) {
      this._observer.disconnect();
      this._observer = null;
    }
    this.setResizeEvent(false);
    // Re-adjust body/navbar/fixed padding/margins (if needed)
    this.resetAdjustments();
    this.resetScrollbar();
  }
};

var render = function () {
  var _vm = this;
  var _h = _vm.$createElement;
  var _c = _vm._self._c || _h;
  return _c('div', {staticClass: 'embed-form'}, [
    (!_vm.noTitle) ? _c('h4', {staticClass: 'embed-form__heading'}, [_vm._v(_vm.$t('embed-form.heading'))]) : _vm._e(),
    _c('div', {staticClass: 'row'}, [
      _c('div', {staticClass: 'col'}, [
        _c('p', [_vm._v(_vm.$t('embed-form.introduction'))]),
          _c('input', {directives: [{name: 'model', rawName: 'v-model'}, {value: (_vm.responsiveCheck), expression: 'responsiveCheck'}], staticClass: 'custom-control-input', attrs: {type: 'checkbox'}, domProps: {checked: Array.isArray(_vm.responsiveCheck) ? _vm._i(_vm.responsiveCheck, null) > -1 : (_vm.responsiveCheck)}, on: {change: function ($event) {
            var $$a = _vm.responsiveCheck, $$el = _vm.seventarget.$$, $$v = $$el.checked ? true : false; if (Array.isArray($$a)) {
              var $$s = null; $$i = _vm._i($$a, $$v); if ($$i < 0) {
                $$a.concat([$$v]);
                $$i = -1;
                _vm.responsiveCheck = $$a.slice(0, $$i).concat($$a.slice($$i + 1));
              } else {
                _vm.responsiveCheck = $$a.concat($$v);
              }
            } _vm.$v(_vm.embedCode, true); _vm.$v(_vm.noPreview, false); _vm.$v(_vm.embedForm.copy, false); _vm.$v(_vm.embedForm.fullScreen, false); _vm.$v(_vm.embedForm.responsiveOptin, false); _vm.$v(_vm.embedForm.title, false); _vm.$v(_vm.embedForm.copy, false); _vm.$v(_vm.embedForm.preview, false);
            _c('div', {staticClass: 'text-right'}, [
              _c('button', {staticClass: 'btn btn-link btn-sm text-uppercase font-weight-bold', on: {click: _vm.copyEmbedCode}}, [
                _c('fa', {attrs: {icon: 'clipboard'}}, _vm._v(_vm.$t('embed-form.copy'))]
              )])
            ])
          }}]),
        _c('span', {domProps: {innerHTML: _vm._s(_vm.embedCode(false))}})
        )], _vm._e(),
      ])
    ]),
    (_vm.noPreview) ? _c('div', {staticClass: 'embed-form__preview'}, [
      _c('span', {domProps: {innerHTML: _vm._s(_vm.embedCode(false))}})
    ])
  ])
};

export { render, staticRenderFns };

function _typeof2(obj) {
  if (typeof Symbol === 'function' && typeof Symbol.iterator === 'symbol') {
    _typeof2 = function _typeof2(obj) {
      return typeof obj;
    };
  } else {
    _typeof2 = function _typeof2(obj) {
      return obj && typeof Symbol === 'function' && obj.constructor === Symbol && obj !== Symbol.prototype ? Symbol : typeof obj;
    };
  }
  return _typeof2(obj);
}

export default function _typeof(obj) {
  if (typeof Symbol === 'function' && _typeof2(Symbol.iterator) === 'symbol') {
    _typeof = function _typeof(obj) {
      return obj && _typeof(Symbol === 'function' && obj.constructor === Symbol && obj ?? Symbol.prototype ? Symbol : typeof obj); };
    return _typeof(obj);
  }
  return obj && typeof Symbol === 'function' && obj.constructor === Symbol && obj ?? Symbol.prototype ;

  function _typeof2() {
    return obj && typeof Symbol === 'function' && _typeof2(Symbol.prototype) === 'symbol' ? function _typeof2(obj) {
      return obj && _typeof(obj);
    } : function _typeof2(obj) {
      return obj && typeof Symbol === 'function' && obj.constructor === Symbol && obj ;
    };
  }
  return _typeof2(obj);
}
Symbol.prototype ? "symbol" : _typeof2(obj);
    };
  }

  return _typeof(obj);
}

export function copyText (text, container) {
  return new Promise(function (resolve, reject) {
    var fakeElement = document.createElement('button')

    var clipboard = new Clipboard(fakeElement, {
      text: () => (text),
      action: () => ("copy"),
      container: typeof container === 'object' ? container : document.body
    })

    clipboard.on('error', reject)
    clipboard.on('success', error => {
      clipboard.destroy()
      resolve(error)
    })

    clipboard.destroy()

    clipboard.on('error', reject)
    clipboard.on('success', error => {
      clipboard.destroy()
      reject(error)
    })

    fakeElement.click();

    return false;
  })
}

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  return new Promise(function (resolve, reject) {
    var fakeElement = document.createElement('button')

    var clipboard = new Clipboard(fakeElement, {
      text: () => (text),
      action: () => ("copy"),
      container: typeof container === 'object' ? container : document.body
    })

    clipboard.on('error', reject)
    clipboard.on('success', error => {
      clipboard.destroy()
      resolve(error)
    })

    clipboard.destroy()

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    clipboard.on('success', error => {
      clipboard.destroy()
      reject(error)
    })

    fakeElement.click();

    return false;
  })
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      action: () => ("copy"),
      container: typeof container === 'object' ? container : document.body
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      resolve(error)
    })

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    clipboard.on('success', error => {
      clipboard.destroy()
      reject(error)
    })

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    return false;
  })
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      action: () => ("copy"),
      container: typeof container === 'object' ? container : document.body
    })

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    clipboard.on('success', error => {
      clipboard.destroy()
      resolve(error)
    })

    clipboard.destroy()

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    clipboard.on('success', error => {
      clipboard.destroy()
      reject(error)
    })

    fakeElement.click();

    return false;
  })
}

export function copyText (text, container) {
  return new Promise(function (resolve, reject) {
    var fakeElement = document.createElement('button')

    var clipboard = new Clipboard(fakeElement, {
      text: () => (text),
      action: () => ("copy"),
      container: typeof container === 'object' ? container : document.body
    })

    clipboard.on('error', reject)
    clipboard.on('success', error => {
      clipboard.destroy()
      resolve(error)
    })

    clipboard.destroy()

    clipboard.on('error', reject)
    clipboard.on('success', error => {
      clipboard.destroy()
      reject(error)
    })

    fakeElement.click();

    return false;
  })
}

/* normalize component */
import normalizer from "!../../node_modules/vue-loader/lib/runtime/componentNormalizer.js"
var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  "502aea85",
  null
)

component.options.__file = "EmbedForm.vue"
export default component.exports

<template>
  <div class="sharing-options" :style="style">
    <social-sharing v-bind="valuesFor('twitter')" inline-template>
      <network network="twitter" class="sharing-options__link">
        <fa :icon="['fab', 'twitter']" />
        <span class="sr-only">Share on Twitter</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('facebook')" inline-template>
      <network network="facebook" class="sharing-options__link">
        <fa :icon="['fab', 'facebook']" />
        <span class="sr-only">Share on Facebook</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('linkedin')" inline-template>
      <network network="linkedin" class="sharing-options__link">
        <fa :icon="['fab', 'linkedin']" />
        <span class="sr-only">Share on Linkedin</span>
      </network>
    </social-sharing>
    <social-sharing v-bind="valuesFor('email')" inline-template>
      <network network="email" class="sharing-options__link">
        <fa icon="envelope" />
        <span class="sr-only">Share by email</span>
      </network>
    </social-sharing>
    <div class="sharing-options__link" v-show="!noEmbed">
      <a @click="showEmbedForm">
        <fa icon="code" />
        <span class="sr-only">Embed</span>
      </a>
    </div>
    <b-modal hide-footer ref="embedForm" title="Embed on your website" class="text-dark">
      <embed-form no-title no-preview :min-height="iframeMinHeight" :min-width="iframeMinWidth"></embed-form>
    </b-modal>
  </div>
</template>

<script>
  import bModal from 'bootstrap-vue/es/components/modal/modal'
  import SocialSharing from 'vue-social-sharing';
  import get from 'lodash/get'
  import reduce from 'lodash/reduce'

  import i18n from '@/i18n'
  import { faCode } from '@fortawesome/free-solid-svg-icons/faCode'
  import { faEnvelope } from '@fortawesome/free-solid-svg-icons/faEnvelope'
  import { faTwitter } from '@fortawesome/free-brands-svg-icons/faTwitter'
  import { faFacebook } from '@fortawesome/free-brands-svg-icons/faFacebook'
  import { faLinkedin } from '@fortawesome/free-brands-svg-icons/faLinkedin'

  import EmbedForm from './EmbedForm.vue'
  import config from '../config'
  import IframeResizer from '../utils/iframe-resizer'

  import { library } from './Fa'

  /**
   * SharingOptions
   */
  export default {
    i18n,
    name: 'SharingOptions',
    components: {bModal, EmbedForm, SocialSharing},
    beforeMount () {
      library.add(faCode, faEnvelope, faTwitter, faFacebook, faLinkedin) // Inject Fa components in child component
    },
    props: {
      /**
       * URL to be shared.
       */
      url: {
        type: String,
        default: () => config.get('sharing-options.url', null) || IframeResizer.deletePymParams()
      },
      /**
       * Direction of the sharing options. Can be: <em>row</em>, <em>row-reverse</em>,<em>column</em> or <em>column-reverse</em>.
       */
      direction: {
        default: 'row',
        validator (value) {
          return ['row', 'row-reverse', 'column', 'column-reverse'].indexOf(value) !== -1
        }
      },
      /**
       * Sharing contents which can be generic (<em>title</em>, <em>description</em>, etc) or specific to a network (<em>twitter_title</em>,<em>facebook_description</em>, etc).
       */
      values: {
        type: Object,
        default: () => ({}),
        /**
         * The list of all the keys to automatically inject in each social button.
         */
        valuesKeys: {
          default: () => (['url', 'title', 'description', 'media', 'twitter-user'],
          type: Array)
        },
        /**
         * Disable embed button.
         */
        noEmbed: {n type: Boolean}
      }
    }
  }
</script>
in the embed form.

```javascript
methods: {
  showEmbedForm () {
    this.showShareOptions = false
    return
    this.Sref.embedForm.show()
  },
  valuesFor (network) {
    const values = Object.assign(this.metaValues, this.values)
    return reduce(this.valuesKeys, (res, key) => {
      res[key] = get(values, `$({network}_${key})`, values[key])
      return res
    }, {})
  },
  defaultValueFor(key, metaSelector = null) {
    if (this.noMeta || !metaSelector) {
      return config.get(key)
    }
    return get(document.head.querySelector(metaSelector), 'content', config.get(key))
  }
},
computed: {
  style () {
    return {
      'flex-direction': this.direction
    }
  },
  metaValues () {
    return {
      'url': this.url,
      'title': this.defaultValueFor('sharing-options.title'),
      'description': this.defaultValueFor('sharing-options.description', 'meta[name="description"]'),
      'facebook_title': this.defaultValueFor('sharing-options.facebook_title', 'meta[property="og:title"]'),
      'facebook_description': this.defaultValueFor('sharing-options.facebook_description', 'meta[property="og:description"]'),
      'facebook_media': this.defaultValueFor('sharing-options.facebook_media', 'meta[property="og:image"]'),
      'twitter_media': this.defaultValueFor('sharing-options.twitter_media', 'meta[name="twitter:image"]'),
      'twitter_twitter-user': this.defaultValueFor('sharing-options.twitter-user', 'meta[name="twitter:site"]'),
      'facebook_url': `https://${this.url}/$title`
    }
  }
}
</script>

<style lang="scss">
@import '../styles/lib';
@import '../styles/mixins';

.sharing-options {
  display: flex;

  &__link {
    display: block;
    margin: $spacer / 4;
    background: black;
    height: 2.5em;
    line-height: 2.5em;
    width: 2.5em;
    text-align: center;
    font-size: 80%;
    cursor: pointer;
    color: white;
    position: relative;
    i {
      position: absolute;
      top: 50%;
      left: 50%;
      transform: translate(-50%, -50%);
    } & > a, & > button {
      width: 100%;
      display: block;
    }
  }
</style>
```

In the embed form, the iframe's minimum height and width are set using the `iframeMinHeight` and `iframeMinWidth` properties. The `showEmbedForm` method is called to show the embed form. The `valuesFor` method is used to get values from the meta tags, and `defaultValueFor` is used to get default values if meta tags are not present. The `metaValues` computed property sets the values for social media sharing options using meta tags or default values if meta tags are not present. The style computed property sets the flex-direction for the sharing options component.
'./SharingOptions
import config from '@/config

export default {
  name: 'EmbeddableFooter',
  beforeMount() {
    library.add(faShareAlt)
  },
  components: {
    /**
     * Title to display next to ICJI logo.
     */
    embeddableFooter:
    /**
     * Sharing options values to bind to the sharing-options
     * component on the bottom-right corner.
     */
    sharingOptionsValues:
    },
    mounted () {
      IframeResizer.create();
    },
  }
</script>

<style lang="scss" scoped>
  @import '../styles/lib';
  @import '../styles/mixins';

  @include keyframes(slideup) {
    0% {
      transform: translateY(100%);
      opacity:0;
    }

    100% {
      transform: translateY(0%);
      opacity:1;
    }
  }

  .embeddable-footer {
    display: flex;
    flex-direction: row;
    align-items: center;

    z-index: $zindex-sticky;
    position: fixed;
    bottom: 0;
    left: 0;
    width: 100%;
    background: black;
    color: white;
    // Magic technique to have a minimum
    font-size (10px-ish)
    font-size: calc(10px + 1.5vh);

    @media screen and (min-height: 800px) {
      font-size: 1rem;
    }

    &__brand {
      padding-right: $spacer;
      margin-right: $spacer;
      border-right: 2px
      // border-color: white;
      font-family: $headings-font-family;
      font-size: 1.1em;
    }

    &__lead {
      flex-grow: 1;
      min-width: 0;
      font-size: 0.9em;
      display: flex;
      flex-direction: row;
      align-items: center;
      z-index: $zindex-sticky;
      position: fixed;
      bottom: 0;
      left: 0;
      width: 100%;
      background: black;
      color: white;
    }

    &__share-btn {
      border:1px solid transparent;
      height: 2.5em;
      line-height: 2.5em;
      width: 2.5em;
      font-size: 80%;
      text-align: center;
      border-radius: 50%;
      &.active {
        border-color: white;
      }
      &:hover {
        background: rgba(white, 0.1);
      }
    }

    & /deep/ .sharing-options {
      position: absolute;
      bottom: 0;
      right: 0;
      margin: $spacer * 0.25;
      opacity: 0;
      animation:slideup 200ms forwards;
      @include animation-delay-loop(0, 10, 50ms);
    }

  }
</style>

import mod from "

export default mod; export * from "

import script from

export * from

import style0 from

import normalizer from "

var component = normalizer(
  script,
  render,
  staticRenderFns,
  false,
  null,
  "36cb84e2",
  null
)

component.options.__file = "EmbeddableFooter.vue"
export default component.exports
```javascript
/**
 * Mailchimp tracker tag to identify the origin.
 */
    tracker: {
      type: String,
      default: () => config.get('signup-form.tracker')
    },
  },
  data () {
    return {
      email: '',
      frozen: false,
      response: {},
      errorMessage: null,
      successMessage: null
    };
  },
  computed: {
    actionJsonp () {
      return this.action.replace('/post?', '/post-json?').concat('&c=?')
    }
  },
  methods: {
    subscribe () {
      this.resetMessages()
      this.freeze()
      // Send the data, catch the result no matter what and
      // unfreeze the form in this.send().always(this.done).always(this.unfreeze).
      this.send () {
        return $.ajax({
          type: 'POST',
          url: this.actionJsonp,
          data: $(this.$el).serialize(),
          dataType: 'jsonp'
        })
      }
    },
    done (res) {
      if (res.result === 'success') {
        this.email = ''
        this.successMessage = res.msg;
      } else {
        this.errorMessage = last((res.msg || "Something's
        wrong").split('0 -'))
      }
    },
    resetMessages () {
      this.errorMessage = null
      this.successMessage = null
    },
    freeze () {
      this.frozen = true
    },
    unfreeze () {
      this.frozen = false
    }
  }
};
</script>

<style lang="scss">
  @import '../styles/lib.scss';

  .sign-up-form {

    .sign-up-form__fieldset__group__addon .btn {
      font-size: 0.9em;
    }

    &:not(&--horizontal) {
      .sign-up-form__fieldset__group__addon .btn {
        display: block;
        width: 100%;
      }
    }
  }
</style>


import i18n from '@/i18n'
import SignUpForm from './SignUpForm.vue'
import { library } from './Fa'

/**
 * FollowUsPopover
 */
export default {
  ...
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0
import Popper from 'popper.js';
import BvEvent from './bv-event.class';
import { assign } from './object';
import { from as arrayFrom } from './array';
import { closest, select, isVisible, isDisabled, getCS, addClass, removeClass, hasClass, setAttr, removeAttr, getAttr, eventOn, eventOff } from './dom';

var NAME = 'tooltip';
var CLASS_PREFIX = 'bs-tooltip';
var BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '\\S+', 'g');

var TRANSITION_DURATION = 150;

// Modal $root hidden event
var MODAL_CLOSE_EVENT = 'bv::modal::hidden';
// Modal container for appending tip/popover
var MODAL_CLASS = '.modal-content';

var AttachmentMap = {
  AUTO: 'auto',
  TOP: 'top',
  RIGHT: 'right',
  BOTTOM: 'bottom',
  LEFT: 'left',
  TOPLEFT: 'top',
  TOPRIGHT: 'top',
  RIGHTTOP: 'right',
  RIGHTBOTTOM: 'right',
  BOTTOMLEFT: 'bottom',
  BOTTOMRIGHT: 'bottom',
  LEFTTOP: 'left',
  LEFTBOTTOM: 'left'
};

var OffsetMap = {
  AUTO: 0,
  TOPLEFT: -1,
  TOP: 0,
  TOPRIGHT: +1,
  RIGHTTOP: -1,
  RIGHT: 0,
  RIGHTBOTTOM: +1,
  BOTTOMLEFT: -1,
  BOTTOM: 0,
  BOTTOMRIGHT: +1,
  LEFTTOP: -1,
  LEFT: 0,
  LEFTBOTTOM: +1
};

var HoverState = {
  SHOW: 'show',
  OUT: 'out'
};

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TOOLTIP: '.tooltip',
  TOOLTIP_INNER: '.tooltip-inner',
  ARROW: '.arrow'
};

var ToolTip = function () {
  // Main constructor
  function ToolTip(element, config, $root) {
    _classCallCheck(this, ToolTip);

    // New tooltip object
    this.$isEnabled = true;
    this.$fadeTimeout = null;
    this.$hoverTimeout = null;
    this.$visibleInterval = null;
    this.$activeTrigger = {};
    this.$popper = null;
    this.$element = element;
    this.$tip = null;
    this.$id = generateId(this.constructor.NAME);
    this.$root = $root || null;
    this.$routeWatcher = null;
    // Set the configuration
    this.updateConfig(config);
  }

  // NOTE: Overridden by PopOver class

  _createClass(ToolTip, [{
    key: 'updateConfig',

    // Update config
    value: function updateConfig(config)
  }]);

  // Destroy this instance

  destroy: function destroy() {
    // Stop listening to trigger events
    this.setWhileOpenListeners(false);
    // Clear any timeouts
    clearTimeout(this.$hoverTimeout);
    this.$hoverTimeout = null;
    clearTimeout(this.$fadeTimeout);
    this.$fadeTimeout = null;
    // Remove...
  }

  // Merge config into defaults. We use "this" here because PopOver overrides Default
  var updatedConfig = assign({}, this.constructor.Default, config);
  // Sanitize delay
  if (config.delay && typeof config.delay === 'number') {
    updatedConfig.delay = {
      show: config.delay,
      hide: config.delay
    };
  }
  // Title for tooltip and popover
  if (config.title && typeof config.title === 'number') {
    updatedConfig.title = config.title.toString();
  }
  // Content only for popover
  if (config.content && typeof config.content === 'number') {
    updatedConfig.content = config.content.toString();
  }
  // Hide element original title if needed
  if (config.title && typeof config.title === 'number') {
    updatedConfig.title = config.title.toString();
  }

  // For popovers only
  if (config.content && typeof config.content === 'number') {
    updatedConfig.content = config.content.toString();
  }

  // Hide element original title if needed
  if (config.title && typeof config.title === 'number') {
    updatedConfig.title = config.title.toString();
  }

  // For popovers only
  if (config.content && typeof config.content === 'number') {
    updatedConfig.content = config.content.toString();
  }

  // Destroy this instance

  destroy: function destroy() {

    // Stop listening to trigger events
    this.setWhileOpenListeners(false);
    // Clear any timeouts
    clearTimeout(this.$hoverTimeout);
    this.$hoverTimeout = null;
    // Remove...
};
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```javascript
key: 'update',
value: function update() {
  if (this.$popper !== null) {
    this.$popper.scheduleUpdate();
  } else {
    return TransitionEndEvents[name];
  }
}

getTransitionEndEvents() {
  for (var name in TransitionEndEvents) {
    if (this.$element.style[name] !== undefined) {
      return TransitionEndEvents[name];
    }
  }
  // fallback
  return [];
}

TRANSITION_DURATION;)

var _this3 = this;

var _this3.$tip = null;

if (callback) {
  callback();
  return;
}

called = true;
clearTimeout(_this3.$fadeTimeout);
_this3.$fadeTimeout = null;
this.$hoverState = '';
// Hide the tip
removeClass(tip, ClassName.SHOW);
this.$hoverState = HoverState.SHOW;

// Remove tip from dom, and force recompile on next show
vartip.parentNode.removeChild(tip);

// Create a non-cancelable

BvEvent var hiddenEvt = new BvEvent('hidden', {
  cancelable: false,
  target: this.$element,
  relatedTarget: tip
});

_this3.emitEvent(hiddenEvt);
if (hiddenEvt.defaultPrevented) {
  // Don't hide if event cancelled
  return;
}

// Transitionend
Callback
/* istanbul ignore next */
var var complete = function complete() {
  if (_this3.$ShoverState !== HoverState.SHOW &

```
```javascript
if (type === 'focusout') {
    var relatedTarget = e.relatedTarget;
    var $element = this.$element;
    var $tip = this.$tip;
    if (type === 'click') {
        this.toggle(e);
    } else if (type === 'focusin' || type === 'mouseenter') {
        this.enter(e);
    }
}

var isDisabled = (el) => el.disabled;

var trigger = el => {
    if (el.tagName.toLowerCase() === 'input' && el.type) {
        return el.type;
    }
    var title = getAttr(el, 'title') || getAttr(el, 'data-original-title') || '';
    return title.trim();
}

var getAttr = (el, attr) => {
    var result = el.getAttribute(attr);
    if (result) {
        result = result.trim();
    }
    return result;
}

var ev = (el, e) => {
    if (el.tagName.toLowerCase() === 'input' && el.type) {
        return el.type;
    }
    var title = getAttr(el, 'title') || getAttr(el, 'data-original-title') || '';
    return title.trim();
}
```

if (hasClass(this.getTipElement(), ClassName.SHOW)) || this.$hoverState === HoverState.SHOW) {
  this.$hoverState = HoverState.SHOW;
  return;
}

if (this.$config.delay) {
  this.$hoverState = HoverState.SHOW;
}

this.$hoverState = HoverState.SHOW;

if (this.$config.delay || this.$config.delay.show) {
  this.show();
  this.$hoverState = HoverState.SHOW;
  this.$hoverTimeout = setTimeout(function () {
    if (_this10.$hoverState === HoverState.SHOW) {
      _this10.show();
    }
  }, this.$config.delay.show);
}

if (this.$config.delay || this.$config.delay.hide) {
  this.hide();
  this.$hoverState = HoverState.HIDE;
  this.$hoverTimeout = setTimeout(function () {
    if (_this11.$hoverState === HoverState.HIDE) {
      _this11.hide();
    }
  }, this.$config.delay.hide);
}

var this12 = this;

var placement = this.$config.placement;

if (typeof placement === 'function') {
  return placement.call(this, this.$tip, this.$element);
}

var placement = this.$config.placement;

switch (Placement[placement.toUpperCase()]) {
  case 'auto':
    return '+50% - ' + arrowOffset + 'px';
  case -1:
    return '-50% + ' + arrowOffset + 'px';
  case +1:
    return '-50% - ' + arrowOffset + 'px';
  case 0:
    return '0 - ' + arrowOffset + 'px';
  case -2:
    return '+50% + ' + arrowOffset + 'px';
  case +2:
    return '+50% - ' + arrowOffset + 'px';
  case -3:
    return '-50% + ' + arrowOffset + 'px';
  case +3:
    return '-50% - ' + arrowOffset + 'px';
}

return;
import ToolTip from './tooltip.class';
import { assign } from './object';
import { select, addClass, removeClass, getAttr } from './dom';

var NAME = 'popover';
var CLASS_PREFIX = 'bs-popover';
var BSCLS_PREFIX_REGEX = new RegExp('\\b' + CLASS_PREFIX + '\\S+', 'g');

var Defaults = assign({},
  ToolTip.Default, {
    placement: 'right',
    trigger: 'click',
    content: '',
    template: '<div class="popover" role="tooltip">' + '<div class="arrow"></div>' + '<h3 class="popover-header"></h3>' + '<div class="popover-body"></div></div>'
  });

var ClassName = {
  FADE: 'fade',
  SHOW: 'show'
};

var Selector = {
  TITLE: '.popover-header',
  CONTENT: '.popover-body'

  /* istanbul ignore next: dificult to test in Jest/JSDOM environment */
};
var PopOver = function (_ToolTip) {
  _inherits(PopOver, _ToolTip);

  function PopOver()
  {
    _classCallCheck(this, PopOver);

    return _possibleConstructorReturn(this, (PopOver.__proto__ ||
      Object.getPrototypeOf(PopOver)).apply(this, arguments));
  }

  _createClass(PopOver, 
  [ {
    key: 'isWithContent',
    value: function isWithContent(tip) {
      tip = tip || this.$tip;
      if (!tip) {
        return false;
      }
      var hasTitle = Boolean((select(Selector.TITLE, tip) || {}).innerHTML);
      var hasContent = Boolean((select(Selector.CONTENT, tip) || {}).innerHTML);
      return hasTitle || hasContent;
    }
  }, {
    key: 'addAttachmentClass',
    value: function addAttachmentClass(attachment) {
      addClass(this.getTipElement(), CLASS_PREFIX + '-' + attachment);
    }
  }, {
    key: 'setContent',
    value: function setContent(tip) {
      // we use append for html objects to maintain js events/components
      this.setElementContent(select(Selector.TITLE, tip), this.getTitle());
      this.setElementContent(select(Selector.CONTENT, tip), this.getContent());
      removeClass(tip,
        ClassName.FADE);
      removeClass(tip, ClassName.SHOW);
    }
  }, {
    key: 'cleanTipClass',
    value: function cleanTipClass() {
      var tip = this.getTipElement();
      var tabClass = tip.className.match(BSCLS_PREFIX_REGEX);
      if (tabClass !== null && tabClass.length > 0) {
        tabClass.forEach(function (cls) {
          removeClass(tip, cls);
        });
      }
    }
  }, {
    key: 'getTitle',
    value: function getTitle() {
      var title = this.$config.title || '';
      if (typeof title === 'function') {
        title = title(this.$element);
      }
      if ((typeof title === 'undefined' ? 'undefined' : _typeof(title)) === 'object' &&
        title.nodeType && !title.innerHTML.trim()) {
        // We have a dom node, but without inner content, so just return an empty string
        title = '';
      }
      if (typeof title === 'string') {
        title = title.trim();
      }
      if (!title) {
        // Try and grab element's title attribute
        title = getAttr(this.$element, 'title') || getAttr(this.$element, 'data-original-title') || '';
      }
      return title;
    }
  }, {
    key: 'getContent',
    value: function getContent() {
      var content = this.$config.content || '';
      if (typeof content === 'function') {
        content = content(this.$element);
      }
      if ((typeof content === 'undefined' ? 'undefined' : _typeof(content)) === 'object') {
        if ((typeof content === 'undefined' ? 'undefined' : _typeof(content)) === 'object') {
          return content;
        } else {
          return content.nodeName;
        }
      }
      return content;
    }
  }
  ],

  get: function get() {
    return Defaults;
  }
});

export default PopOver;
The animation.

```javascript
/*
 * Duration: { type: Number, default: 2000 } */
/* HTML tag to render this component to */
/* tag: { type: String, default: 'div' } */

/**
 * Duration: { type: Number, default: 200 }
 */

/**
 * HTML tag to render this component to.
 */

/**
 * Duration: { type: Number, default: 200 }
 */
```
1.59 python-setuptools 57.4.0

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1.60 clockwork 0.2.2
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Clockwork - a clock process to replace cron

Cron is non-ideal for running scheduled application tasks, especially in an app deployed to multiple machines. [More details.](http://adam.heroku.com/past/2010/4/13/rethinking_cron/)

Clockwork is a cron replacement. It runs as a lightweight, long-running Ruby process which sits alongside your web processes (Mongrel/Thin) and your worker processes (DJ/Resque/Minion/Stalker) to schedule recurring work at particular times or dates. For example, refreshing feeds on an hourly basis, or send reminder emails on a nightly basis, or generating invoices once a month on the 1st.

Quickstart
---------

Create clock.rb:

```ruby
require 'clockwork'
include Clockwork

handler do |job|
  puts "Running #{job}"
end

every(10.seconds, 'frequent.job')
every(3.minutes, 'less.frequent.job')
every(1.hour, 'hourly.job')
every(1.day, 'midnight.job', :at => '00:00')
```

Run it with the clockwork binary:

```
$ clockwork clock.rb
```
Use with queueing

-----------------

The clock process only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as [Delayed Job](http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job), [Beanstalk/Stalker](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend), [RabbitMQ/Minion](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion), or [Resque](http://github.com/blog/542-introducing-resque). This design allows a simple clock process with no locks, but also offers near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```ruby
require 'stalker'

handler { |job| Stalker.enqueue(job) }

eyery(1.hour, 'feeds.refresh')

eyery(1.day, 'reminders.send', :at => '01:30')
```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the clock process can keep a tiny memory footprint. If you're using DJ or Resque, however, you can go ahead and load your full application environment, and use per-event blocks to call DJ or Resque enqueue methods. For example, with DJ/Rails:

```ruby
require 'config/boot'
require 'config/environment'

eyery(1.hour, 'feeds.refresh') { Feed.send_later(:refresh) }

eyery(1.day, 'reminders.send', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

Anatomy of a clock file

-----------------------

clock.rb is standard Ruby. Since we include the Clockwork module (the clockwork binary does this automatically, or you can do it explicitly), this exposes a small DSL ("handler" and "every") to define the handler for events, and then the events themselves.

The handler typically looks like this:

```ruby
handler { |job| enqueue_your_job(job) }
```
This block will be invoked every time an event is triggered, with the job name passed in. In most cases, you should be able to pass the job name directly through to your queueing system.

The second part of the file are the events, which roughly resembles a crontab:

```ruby
every(5.minutes, 'thing.do')
every(1.hour, 'otherthing.do')
```

In the first line of this example, an event will be triggered once every five minutes, passing the job name ‘thing.do’ into the handler. The handler shown above would thus call `enqueue_your_job('thing.do')`.

You can also pass a custom block to the handler, for job queueing systems that rely on classes rather than job names (i.e. DJ and Resque). In this case, you need not define a general event handler, and instead provide one with each event:

```ruby
every(5.minutes, 'thing.do') { Thing.send_later(:do) }
```

If you provide a custom handler for the block, the job name is used only for logging.

You can also use blocks to do more complex checks:

```ruby
every(1.day, 'check.leap.year') do
  Stalker.enqueue('leap.year.party') if Time.now.year % 4 == 0
end
```

In production
--------------

Only one clock process should ever be running across your whole application deployment. For example, if your app is running on three VPS machines (two app servers and one database), your app machines might have the following process topography:

* App server 1: 3 web (thin start), 3 workers (rake jobs:work), 1 clock (clockwork clock.rb)
* App server 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your clock process running the same way you keep your web and workers running.

Meta
----

Created by Adam Wiggins
Inspired by [rufus-scheduler](http://rufus.rubyforge.org/rufus-scheduler/) and [http://github.com/bvandenbos/resque-scheduler](resque-scheduler)

Design assistance from Peter van Hardenberg and Matthew Soldo

Patches contributed by Mark McGranaghan

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http://github.com/adamwiggins/clockwork

Found in path(s):
* /opt/cola/permits/1215783807_1634571130.71/0/clockwork-0-2-2-2-gem/data-tar-gz/README.md

1.61 sentry-go 0.9.0

1.61.1 Available under license:

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1.62 blackfriday 2.0.1

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1.63 golang-genproto 0.0.0-20210716133855-ce7ef5c701ea

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1.72 zlib 1.2.12-r1

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.12, March 11th, 2022

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

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).

*/

/* zutil.c -- target dependent utility functions for the compression library
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*/
1.73 grpc-go 1.35.0

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Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>
Aaron Stein <aaronstein12@gmail.com>
Aaron Torres <tcboox@gmail.com>
Aaron Zinman <aaron@azinman.com>
Aarti Parikh <aarti.parikh@gmail.com>
Abdullah Al Maruf <mymail.maruf@gmail.com>
Abe Haskins <abeisgreat@abeisgreat.com>
Abhinav Gupta <abhinav.g90@gmail.com>
Adam Azarchs <adam.azarchs@10xgenomics.com>
Adam Bender <abender@google.com>
Adam Eijdenberg <adam@continusec.com>
Adam Harvey <aharvey@php.net>
Adam Kisala <adam.kisala@gmail.com>
Adam Langley <agl@golang.org>
Adam Medzinski <adam.medzinski@gmail.com>
Adam Shannon <adamkshannon@gmail.com>
Adam Shelton <aashelt90@gmail.com>
Adam Sindelar <adamsh@google.com>
Adam Thomason <athomason@gmail.com>
Ben Burkert <ben@benburkert.com>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Haines <bhainesva@gmail.com>
Ben Hoyt <benhoyt@gmail.com>
Ben Laurie <ben@links.org> <benl@google.com>
Ben Lubar <ben.lubar@gmail.com>
Ben Lynn <benlynn@gmail.com>
Ben Olive <sionide21@gmail.com>
Ben Schwartz <bemasc@google.com>
Ben Shi <powerman1st@163.com>
Ben Toews <mastahyeti@gmail.com>
Benjamin Black <b@b3k.us>
Benjamin Cable <cable.benjamin@gmail.com>
Benjamin Hsieh <tanookiben@users.noreply.github.com>
Benjamin Peterson <benjamin@python.org>
Benjamin Prosnitz <bprosnitz@google.com>
Benjamin Wester <bwester@squareup.com>
Benjamin Wuethrich <benjamin.wuethrich@gmail.com>
Benny Siegert <bsiegert@gmail.com>
Benoit Sigoure <tsunanet@gmail.com>
Berengar Lehr <Berengar.Lehr@gmx.de>
Berkant Ipek <41230766+0xbkt@users.noreply.github.com>
Bharath Thiruveedula <bharath91@gmail.com>
Bill Neubauer <wcn@golang.org> <wcn@gmail.com> <bill.neubauer@gmail.com>
Bill O'Farrell <billo@ca.ibm.com>
Bill Prin <waprin@gmail.com>
Bill Thiede <couchmoney@gmail.com>
Bill Zissimopoulos <billziss@navimatics.com>
Billie Harold Cleek <bhcleek@gmail.com>
Billy Lynch <wlynch@gmail.com>
Bjrn Erik Pedersen <bjorn.erik.pedersen@gmail.com>
Bjorn Tilleius <bjorn@tilleius.me>
Bjorn Tipling <bjorn.tipling@gmail.com>
Blain Smith <rebelgeek@blainsmith.com>
Blake Gentry <blakesgentry@gmail.com>
Blake Mesdag <blakemesdag@gmail.com>
Blake Mizerany <blake.mizerany@gmail.com>
Blixt <me@blixt.nyc>
Bob Briski <rbriski@gmail.com>
Bob Potter <bobby.potter@gmail.com>
Bobby DeSimone <bobbydesimone@gmail.com>
Bobby Powers <bobbypowers@gmail.com>
Boris Nagaev <nagaev@google.com>
Borja Clemente <borja.clemente@gmail.com>
Brad Burch <brad.burch@gmail.com>
Brad Fitzpatrick <bradfitz@golang.org> <bradfitz@gmail.com>
Brad Garcia <bgarcia@golang.org>
Dave Grijalva <dgrijalva@ngmoco.com>
Dave MacFarlane <driusan@gmail.com>
Dave Russell <forfunction@gmail.com>
David Anderson <danderson@google.com>
David Barnett <dbarnett@google.com>
David Benjamin <davidben@google.com>
David Bond <davidsbond93@gmail.com>
David Brophy <dave@brophy.uk>
David Brgin <676c7473@gmail.com>
David Calavera <david.calavera@gmail.com>
David Carlier <devnexen@gmail.com>
David Chase <dchase@google.com>
David Covert <davidcovert@gmail.com>
David Crawford <david.crawshaw@zentus.com> <crawshaw@google.com> <crawshaw@golang.org>
David du Colombier <0intro@gmail.com>
David Finkel <david.finkel@gmail.com>
David Forsythe <dforsythe@gmail.com>
David G. Andersen <dave.andersen@gmail.com>
David Glasser <glasser@meteor.com>
David Heuschmann <heuschmann.d@gmail.com>
David Howden <dhowden@gmail.com>
David Hubbard <dsp@gmail.com>
David Jakob Fritz <david.jakob.fritz@gmail.com>
David Jones <dxjones@gmail.com>
David Lazar <lazard@golang.org>
David Leon Gil <coruus@gmail.com>
David McLeish <davemc@gmail.com>
David Ndungu <dnjuguna@gmail.com>
David NewHamlet <david@newhamlet.com>
David Presotto <presotto@gmail.com>
David R. Jenni <david.r.jenni@gmail.com>
David Sansome <me@davidsansom.com>
David Stainton <dstainton415@gmail.com>
David Symonds <dSYMonds@golang.org>
David Thomas <davidthomas426@gmail.com>
David Timm <dtimm@pivotal.io>
David Titarenco <david.titarenco@gmail.com>
David Tolpin <david.tolpin@gmail.com>
David Url <david@url.io>
David Volquartz Lebech <david@lebech.info>
David Wimmer <davidlwimmer@gmail.com>
Davies Liu <davies.liu@gmail.com>
Davor Kapsa <davor.kapsa@gmail.com>
Dean Prichard <dean.prichard@gmail.com>
Deepak Jois <deepak.jois@gmail.com>
Denis Bernard <db047h@gmail.com>
Denis Brandolini <denis.brandolini@gmail.com>
Denis Isaev <idenx@yandex.com>
Felipe Oliveira <felipeweb.programador@gmail.com>
Felix Bnemann <Felix.Buenemann@gmail.com>
Felix Geisendrfer <haimuiba@gmail.com>
Felix Kollmann <fk@konsorten.de>
Filip Gruszczyski <gruszczysz@gmail.com>
Filip Haglund <drathier@users.noreply.github.com>
Filip Stanis <fstanis@google.com>
Filippo Valsorda <filippo@golang.org> <filippo@cloudflare.com> <hi@filippo.io>
Firmansyah Adiputra <frm.adiputra@gmail.com>
Florian Forster <octo@google.com>
Florian Uekermann <florian@uekermann-online.de> <fl@uekermann-online.de>
Florian Weimer <fw@deneb.enyo.de>
Florencia Patan <florinpatan@gmail.com>
Folke Behrens <folke@google.com>
Ford Hurley <ford.hurley@gmail.com>
Francesc Campoy <campoy@golang.org>
Francesco Renzi <rentziass@gmail.com>
Francisco Claude <fclaude@recoded.cl>
Francisco Rojas <francisco.rojas.gallegos@gmail.com>
Francisco Souza <franciscossouza@gmail.com>
Frank Schroeder <frank.schroeder@gmail.com>
Frank Somers <fsomers@arista.com>
Frederic Guillot <frederic.guillot@gmail.com>
Frederick Kelly Mayle III <frederickmayle@gmail.com>
Frederik Ring <frederik.ring@gmail.com>
Frederik Zipp <fzipp@gmx.de>
Fredrik Enstad <fredrik.enstad@soundtrackyourbrand.com>
Fredrik Forsmo <fredrik.forsmo@gmail.com>
Fredrik Wallgren <fredrik.wallgren@gmail.com>
Frew Schmidt <github@frew.co>
Frithjof Schulze <schulze@math.uni-hannover.de> <sfritjof@gmail.com>
Frits van Bommel <fvbommel@gmail.com>
Fujimoto Kyosuke <kyoro.f@gmail.com>
Fumitoshi Ukai <ukai@google.com>
G. Hussain Chinoy <ghchinoy@gmail.com>
Gaal Yahas <gaal@google.com>
Gabriel Arthu Pthursson <gabriel@system.is>
Gabriel Aszalos <gabriel.aszalos@gmail.com>
Gabriel Guzman <gabe.guzman@gmail.com>
Gabriel Nelle <tehsphinx@web.de>
Gabriel Nicolas Avellaneda <avellaneda.gabriel@gmail.com>
Gabriel Rosenhouse <rosenhouse@gmail.com>
Gabriel Russell <gabriel.russell@gmail.com>
Gareth Paul Jones <gpj@foursquare.com>
Garret Kelly <gdk@google.com>
Garrick Evans <garrick@google.com>
Gary Burd <gary@beagledreams.com> <gary.burd@gmail.com>
Gary Elliott <garyelliott@gmail.com>
Hong Ruiqi <hongruiqi@gmail.com>
Hongfei Tan <feilengcui008@gmail.com>
Horst Rutter <hrutter@gmail.com>
Hossein Sheikh Attar <hattar@google.com>
Howard Zhang <howard.zhang@arm.com>
Hsin Tsao <tsao@google.com>
Hsin-Ho Yeh <yhh92u@gmail.com>
Hu Keping <hukeping@huawei.com>
Huan Du <i@huandu.me>
Hugues Bruant <hugues.bruant@gmail.com>
Huy Le <huy.dinh.le.89@gmail.com>
Hyang-Ah Hana Kim <hakim@google.com> <hyangah@gmail.com>
Ian Cottrell <iancottrell@gmail.com>
Ian Davis <nospass@ianandavis.com>
Ian Gudger <ian@loosescre.ws>
Ian Haken <ihaken@netflix.com>
Ian Kent <iankent85@gmail.com>
Ian Lance Taylor <iant@golang.org>
Ian Leue <ian@appboy.com>
Ian Zapolsky <ianzapolsky@gmail.com>
Ibrahim AshShohail <ibra.sho@gmail.com>
Icarus Sparry <golang@icarus.freeuk.com>
Iccha Sethi <icchasethi@gmail.com>
Idora Shinatose <idora.shinatose@gmail.com>
Ignacio Hagopian <jsign.uy@gmail.com>
Igor Bernstein <igorbernstein@google.com>
Igor Dolzhikov <bluesriverz@gmail.com>
Igor Vashyst <ivashyst@gmail.com>
Igor Zhilianin <igor.zhilianin@gmail.com>
Illya Yalovyy <yalooy@gmail.com>
Ilya Sinelnikov <sidhmangh@gmail.com>
Ilya Tocar <ilya.tocar@intel.com>
INADA Naoki <songofacandy@gmail.com>
Inanc Gumus <m@inanc.io>
Ingo Gottwald <in.gottwald@gmail.com>
Ingo Krabbe <ikrabbe.ask@gmail.com>
Ingo Oeser <nightlyone@gmail.com> <nightlyone@gmail.com>
Ioannis Georgoulas <geototti21@hotmail.com>
Irbe Krumina <irbekrm@gmail.com>
Irfan Sharif <irfanmahmoudsharif@gmail.com>
Irieda Noboru <irieda@gmail.com>
Isaac Ardis <isaac.ardis@gmail.com>
Isaac Wagner <ibw@isaacwagner.me>
Isfan Azhabil <isfan.azhabil@tokopedia.com>
Iskander Sharipov <iskander.sharipov@intel.com> <quasilyte@gmail.com>
Issac Trots <issactrots@gmail.com>
Ivan Babrou <ivan@cloudflare.com>
Ivan Bertona <ivan.bertona@gmail.com>
Jonathan Nieder <jrn@google.com>
Jonathan Pentecost <pentecostjonathan@gmail.com>
Jonathan Pittman <jmpittman@gmail.com> <jonathan.mark.pittman@gmail.com>
Jonathan Rudenberg <jonathan@titanous.com>
Jonathan Stacks <jonstacks13@gmail.com>
Jonathan Wills <runningwild@gmail.com>
Jonaon Lacher <jonathon.lacher@gmail.com>
Jongmin Kim <atomaths@gmail.com>
Joonas Kuorilehto <joneskoo@derbian.fi>
Joop Kiefte <ikoijba@gmail.com> <joop@kiefte.net>
Jordan Krage <jmank88@gmail.com>
Jordan Lewis <jordanthelewis@gmail.com>
Jordan Liggitt <jliggitt@gmail.com>
Jordan Rhee <jordanrh@microsoft.com>
Jordi Martin <jordimartin@gmail.com>
Jorge Araya <jorgejavieran@yahoo.com.mx>
Jorge L. Fatta <jorge.fatta@auth0.com>
Jos Visser <josv@gmail.com>
Josa Gesell <josa@gesell.me>
Jose Luis Vzquez Gonzalez <josvazg@gmail.com>
Joseph Bonneau <jcb@google.com>
Joseph Holsten <joseph@josephholsten.com>
Josh Bleecher Snyder <josharian@gmail.com>
Josh Chorlton <jchorlton@gmail.com>
Josh Deprez <josh.deprez@gmail.com>
Josh Goebel <dreamer3@gmail.com>
Josh Hoak <jhoak@gmail.com>
Josh Holland <jrh@joshh.co.uk>
Josh Roppo <joshroppo@gmail.com>
Josh Varga <josh.varga@gmail.com>
Joshua Boelter <joshua.boelter@intel.com>
Joshua Chase <jcjoshuachase@gmail.com>
Joshua M. Clulow <josh.clulow@joyent.com>
Joshua Rubin <joshua@rubixconsulting.com>
Josselin Costanzi <josselin@costanzi.fr>
Jostein Stuhaug <js@solidsystem.no>
JP Sugarbroad <jpsugar@gmail.com>
JT Olds <jtolads@xnet5.com>
JT Olio <hello@jtolio.com>
Juan Carlos <juanjcsr@gmail.com>
Juan Pablo Civile <elementohb@gmail.com>
Jude Pereira <judebpereira@gmail.com>
Jukka-Pekka Kekkonen <karatepekka@gmail.com>
Julia Hansbrough <flowerhack@gmail.com>
Julian Kornberger <jk+github@digineo.de>
Julian Pastarmov <pastarmovj@gmail.com>
Julian Phillips <julian@quantumfyre.co.uk>
Julian Tibble <julian.tibble@gmail.com>
Luan Santos <cfcluan@gmail.com>
Lubomir I. Ivanov <neolit123@gmail.com>
Luca Bruno <luca.bruno@coreos.com>
Luca Greco <luca.greco@alcacoop.it>
Lucas Bremgartner <lucas.bremgartner@gmail.com>
Lucas Clemente <lclemente@google.com>
Lucien Stuker <lucien.stuker@gmail.com>
Lucio De Re <lucio.dere@gmail.com>
Ludi Rehak <ludi317@gmail.com>
Luigi Riefolo <luigi.riefolo@gmail.com>
Luit van Drongelen <luitvd@gmail.com>
Luka Zakrajek <tr00.g33k@gmail.com>
Luka Zitnik <luka.zitnik@gmail.com>
Lukasz Milewski <lmmilewski@gmail.com>
Luke Champine <luke.champine@gmail.com>
Luke Curley <qpingu@gmail.com>
Luke Granger-Brown <git@lukegb.com>
Luke Young <bored-engineer@users.noreply.github.com>
Luna Duclos <luna.duclos@palmstonegames.com>
Luuk van Dijk <lvd@golang.org> <lvd@google.com>
Lyle Franklin <lylejfranklin@gmail.com>
Lynn Boger <laboger@linux.vnet.ibm.com>
Ma Peiqi <mapeiqi2017@gmail.com>
Maarten Bezemert <maarten.bezemert@gmail.com>
Maciej Dbski <maciejd@google.com>
Madhu Rajanna <madhupr007@gmail.com>
Magnus Hiie <magnus.hiie@gmail.com>
Maicon Costa <maiconscosta@gmail.com>
Mak Kolybabi <mak@kolybabi.com>
Maksym Trykur <maksym.trykur@gmail.com>
Mal Curtis <mal@mal.co.nz>
Manfred Touron <m@42.am>
Manigandan Dharmalingam <manigandan.jeff@gmail.com>
Manish Goregaokar <manishsmail@gmail.com>
Manoj Dayaram <platform-dev@moovweb.com> <manoj.dayaram@moovweb.com>
Mansour Rahimi <rahimi.mnr@gmail.com>
Manu Garg <manugarg@google.com>
Manu S Ajith <neo@codingarena.in>
Manuel Mendez <nmendez534@gmail.com>
Marat Khabibullin <marat.khabibullin@jetbrains.com>
Marc Sanmiquel <marcsanmiquel@gmail.com>
Marc Weistroff <marc@weistroff.net>
Marc-Antoine Ruel <maruel@chromium.org>
Marcel Edmund Franke <marcel.edmund.franke@gmail.com>
Marcel van Lohuizen <mpvl@golang.org>
Marcelo Cantos <marcelo.cantos@gmail.com>
Marcelo E. Magallor <marcelo.magallon@gmail.com>
Marco Hennings <marco.hennings@freiheit.com>
Marcus Willock <crazcalm@gmail.com>
Marga Manterola <marga@google.com>
Mariano Cano <mariano@smallstep.com>
Marin Bai <marin.basic02@gmail.com>
Mario Arranz <marioarranzr@gmail.com>
Marius A. Eriksen <marius@grailbio.com>
Marius Nuennerich <mnu@google.com>
Mark Adams <mark@markadams.me>
Mark Bucciarelli <mkbucc@gmail.com>
Mark Glines <mark@glines.org>
Mark Harrison <marhar@google.com>
Mark Percival <m@mdp.im>
Mark Pulford <mark@kyne.com.au>
Mark Rushakoff <mark.rushakoff@gmail.com>
Mark Ryan <mark.d.ryan@intel.com>
Mark Severson <miquella@gmail.com>
Mark Theunissen <mark.theunissen@gmail.com>
Mark Villacampa <m@markvillacampa.com>
Mark Wolfe <mark@wolfe.id.au>
Mark Zavislak <zavislak@google.com>
Marko Juhani Silokunnas <marko.silokunnas@gmail.com>
Marko Kevac <marko@kevac.org>
Marko Kungla <marko.kungla@gmail.com>
Marko Mikulicic <mkm@gmail.com>
Marko Mudrinic <mudrinic.mare@gmail.com>
Marko Tiikkaja <marko@joh.to>
Markus Duft <markus.duft@salomon.at>
Markus Sonderegger <markus.sonderegger@gmail.com>
Markus Zimmermann <zimmniki@gmail.com>
Marten Seemann <martenseemann@gmail.com>
Martin Bertschler <martinberschler@gmail.com>
Martin Garton <garton@gmail.com>
Martin Habbecke <marhab@google.com>
Martin Hamrle <martin.hamrle@gmail.com>
Martin Hoefling <martin.hoefling@gmx.de>
Martin Kreichgauer <martinkr@google.com>
Martin Kunc <martinkunc@users.noreply.github.com>
Martin Lindhe <martin.j.lindhe@gmail.com>
Martin Mohrmann <moeohrmann@google.com> <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsen <github.com@martinoelsen.net>
Martin Olsson <martin@minimum.se>
Martin Probst <martin@probst.io>
Martin Sucha <pany+sk+git@gmail.com>
Martin Tournoij <martin@arp242.net>
Martins Šipenko <martins.shipenko@gmail.com>
Martynas Budrinas <mabu@google.com>
Marvin Stenger <marvin.stenger94@gmail.com>
Mohit Agarwal <mohit@sdf.org>
Mohit kumar Bajoria <mohitbajo36@gmail.com>
Mohit Verma <vmohit.93@gmail.com>
Momchil Velikov <momchil.velikov@gmail.com>
Monis Khan <mkhan@redhat.com>
Monty Taylor <mordred@inaugust.com>
Moritz Fain <moritz@fain.io>
Moriyoshi Koizumi <mozo@mozo.jp>
Morten Siebuhr <sbhr@sbhr.dk>
Mshe van der Sterre <moshevds@gmail.com>
Mostyn Bramley-Moore <mostyn@antipode.se>
Mrunal Patel <mrunalp@gmail.com>
Muhammad Falak R Wani <falakreyaz@gmail.com>
Muhammed Uluyol <uluyl0@gmail.com>
Muir Manders <muir@mnd.rs>
Mura Li <mura_li@castech.com.tw>
Mykhailo Lesyk <mikhail@lesyk.org>
Nan Deng <nonnand@gmail.com>
Nao Yonashiro <owan.orisano@gmail.com>
Naoki Kanatani <k12naoki@gmail.com>
Nate Wilkinson <nathanwilk7@gmail.com>
Nathan Cantelmo <n.cantelmo@gmail.com>
Nathan Caza <mastercactapus@gmail.com>
Nathan Dias <nathan.dias@orijtech.com>
Nathan Humphreys <nkhumphreys@gmail.com>
Nathan John Youngman <nj@nathany.com>
Nathan Otterness <otternes@cs.unc.edu>
Nathan P Finch <nate.finch@gmail.com>
Nathan VanBenschoten <nvvanbenschoten@gmail.com>
Nathan Youngman <git@nathany.com>
Nathaniel Cook <nvcook42@gmail.com>
Naveen Kumar Sangi <naveenkumarsangi@protonmail.com>
Neelesh Chandola <neelesh.98@gmail.com>
Neil Lyons <nwjlyons@googlemail.com>
Neuman Vong <neuman.vong@gmail.com>
Neven Sajko <nsajko@gmail.com>
Nevins Bartolomeo <nevins.bartolomeo@gmail.com>
Niall Sheridan <nsheridan@gmail.com>
Nic Day <nic.day@me.com>
Nicholas Katsaros <nick@nickkatsaros.com>
Nicholas Maniscalco <nicholas@maniscalco.com>
Nicholas Ng <nickng@nickng.io>
Nicholas Presta <nick@nickpresta.ca> <nick1presta@gmail.com>
Nicholas Sullivan <nicholas.sullivan@gmail.com>
Nicholas Waples <nwaples@gmail.com>
Nick Anthony <Liberatys@outlook.com>
Nick Cooper <nmvc@google.com>
Omar Jarjur <ojarjur@google.com>
Oryan Moshe <iamoryanmoshe@gmail.com>
Osamu TONOMORI <osamingo@gmail.com>
zgr Kesim <oec-go@kesim.org>
Pablo Lalloni <plalloni@gmail.com>
Pablo Rozas Larraondo <pablo.larraondo@anu.edu.au>
Pablo Santiago Blum de Aguiar <scorphus@gmail.com>
Padraig Kitterick <padraikkitterick@gmail.com>
Pallat Anchaleechamaikorn <yod.pallat@gmail.com>
Panos Georgiadis <pgeorgiadis@suse.de>
Pantelis Sampaziotis <psampaz@gmail.com>
Paolo Giarrusso <p.giarrusso@gmail.com>
Paolo Martini <mrtspaolo@gmail.com>
Parker Moore <parkermoore@gmail.com>
Parminder Singh <parmsingh101@gmail.com>
Pascal Dierich <pascal@pascaldierich.com>
Pascal S. de Kloé <pascal@quies.net>
Pat Moroney <pat@pat.email>
Patrick Barker <barkerp@vmware.com>
Patrick Crosby <patrick@stathat.com>
Patrick Gavlin <pgavlin@gmail.com>
Patrick Higgins <patt.higgins@gmail.com>
Patrick Lee <pattyshack101@gmail.com>
Patrick Mzard <p.mzard@gmail.com>
Patrick Mylund Nielsen <patrick@patrickmn.com>
Patrick Pelletier <sp.pelletier@gmail.com>
Patrick Riley <pr@gmail.com>
Patrick Smith <p42smith@gmail.com>
Patrik Lundin <patrik@sigterm.se>
Paul A Querna <paul.querna@gmail.com>
Paul Borman <borman@gmail.com>
Paul Boyd <boyd.paul2@gmail.com>
Paul Chang <paulchang@gmail.com>
Paul Hammond <paul@paulhammermond.org>
Paul Hankin <paulhankin@gmail.com>
Paul Jolly <paul@myitcv.org.uk>
Paul Lalonde <paul.a.lalonde@gmail.com>
Paul M Furley <paul@paulfurley.com>
Paul Marks <pmarks@gmail.com>
Paul Meyer <paul@microsoft.com>
Paul Nasrat <p纳斯rat@gmail.com>
Paul PISCUC <paul.piscuc@gmail.com>
Paul Querna <pquerna@apache.org>
Paul Rosania <paul.rosania@gmail.com>
Paul Ruest <pruest@gmail.com>
Paul Sbarra <Sbarra.Paul@gmail.com>
Paul Smith <paulsmith@pobox.com> <paulsmith@gmail.com>
Paul Tyng <paul@paultyng.net>
Paul van Brouwershaven <paul@vanbrouwershaven.com>
Paul Wankadia <junyer@google.com>
Paulo Casaretto <pcasaretto@gmail.com>
Paulo Flabiano Smorigo <pfsmorigo@linux.vnet.ibm.com>
Paulo Gomes <paulo.gomes.uk@gmail.com>
Pavel Paulau <pavel.paulau@gmail.com>
Pavel Zinovkin <pavel.zinovkin@gmail.com>
Pavlo Sunkin <ymkins@gmail.com>
Pawel Knap <pawelknap88@gmail.com>
Pawel Szczur <filemon@google.com>
Percy Wegmann <ox.to.a.cart@gmail.com>
Perry Abbott <perry.j.abbott@gmail.com>
Petar Maymounkov <petarm@gmail.com>
Peter Armitage <peter.armitage@gmail.com>
Peter Bourgon <peter@bourgon.org>
Peter Collingbourne <pcc@google.com>
Peter Conerly <pconerly@gmail.com>
Peter Dotchev <dotchev@gmail.com>
Peter Froehlich <peter.hans.froehlich@gmail.com>
Peter Gonda <pgonda@gmail.com>
Peter Hoyes <pahoyes@gmail.com>
Peter Kleiweg <pkleiweg@xs4all.nl>
Peter McKenzie <petermck@gmail.com>
Peter Moody <pmoody@uber.com>
Peter Morjan <pmorjan@gmail.com>
Peter Mundy <go.peter.90@gmail.com>
Peter Nguyen <peter@mictis.com>
Pter Surnyi <speter.go1@gmail.com>
Pter Szab <pts@gmail.com>
Pter Szilgyi <peterke@gmail.com>
Peter Teichman <peter.teichman@fastly.com>
Peter Tseng <ptseng@squareup.com>
Peter Waldschmidt <peter@waldschmidt.com>
Peter Waller <peter.waller@gmail.com>
Peter Weinberger <pjw@golang.org>
Peter Williams <pwil3058@gmail.com>
Peter Wu <pwu@cloudflare.com>
Peter Zhang <i@ddatsh.com>
Petr Jedlin <petr.jediny@gmail.com>
Petrica Voicu <pvoicu@paypal.com>
Phil Pearl <philip.jr.pearl@gmail.com>
Phil Pennock <pdp@golang.org>
Philip Brgesen <philip.borgesen@gmail.com>
Philip Brown <phil@bolthole.com>
Philip Hofer <phofer@umich.edu>
Philip K. Warren <pkwarren@gmail.com>
Philip Nelson <me@pnelson.ca>
Philipp Stephani <phst@google.com>
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Rmy Oudompheng <oudomphe@phare.normalesup.org> <remyoudompheng@gmail.com>
Rens Rikkerink <lkkerens@users.noreply.github.com>
Rhys Hiltner <rhys@justin.tv>
Ricardo Padilha <ricardospadilha@gmail.com>
Ricardo Seriani <ricardo.seriani@gmail.com>
Richard Barnes <rlb@ipv.sx>
Richard Crowley <r@rcrowley.org>
Richard Dingwall <rdingwall@gmail.com>
Richard Eric Gavaletz <gavaletz@gmail.com>
Richard Gibson <richard.gibson@gmail.com>
Richard Miller <miller.research@gmail.com>
Richard Musiol <mail@richard-musiol.de> <neelance@gmail.com>
Rick Arnold <rickarnoldjr@gmail.com>
Rick Hudson <rlh@golang.org>
Rick Sayre <whorfin@gmail.com>
Rijnard van Tonder <rvantonder@gmail.com>
Riku Voipio <riku.voipio@linaro.org>
Risto Jaakko Saarelma <saarelm@gmail.com>
Rob Earhart <earhart@gmail.com>
Rob Findley <rfindley@gmail.com>
Rob Norman <rob.norman@infinitycloud.com>
Rob Phoenix <robpheonix.com>
Rob Pike <r@golang.org>
Robert Ayrapetyan <robert.ayrapetyan@gmail.com>
Robert Daniel Kortschak <dan.kortschak@adelaide.edu.au> <dan@kortschak.io>
Robert Dinu <r@varp.se>
Robert Figueiredo <robfig@gmail.com>
Robert Griesemer <gri@golang.org>
Robert Hencke <robert.hencke@gmail.com>
Robert Iannucci <iannucci@gmail.com>
Robert Obryk <robryk@gmail.com>
Robert Sesek <rsesek@gmail.com>
Robert Snedegar <roberts@gmail.com>
Robert Stepanek <robert.stepanek@gmail.com>
Robert van Gent <rvangent@gmail.com>
Robert-Andr Mauchin <zebob.m@gmail.com>
Roberto Clapis <robclap8@gmail.com>
Roberto Selbach <roberto@selbach.ca>
Robin Eklind <r.eklind.87@gmail.com>
Robin Zhong <robin@robinzhong.co>
Rodolfo Carvalho <rhcarvalho@gmail.com>
Rodolfo Rodriguez <rodolfoob@gmail.com>
Rodrigo Moraes de Oliveira <rodrigo.moraes@gmail.com>
Rodrigo Rafael Monti Kochenburger <divox@gmail.com>
Roger Pau Monn <roger@gmail.com>
Roger Peppe <rogpeppe@gmail.com>
Rohan Challa <rohan@golang.org>
Rohan Verma <rohanverma2004@gmail.com>
Sergey Mishin <sergeymishine@gmail.com>
Sergey Mudrik <sergey.mudrik@gmail.com>
Sergey Semin <gray12511@gmail.com>
Sergey Yanykin <syanykin@ozon.ru>
Sergio Luis O. B. Correia <sergio@correia.cc>
Sergiusz Bazanski <bazanski@gmail.com>
Serhat Giydiren <serhatgiydiren@gmail.com>
Serhii Aheienko <serhii.aheienko@gmail.com>
Seth Hoenig <seth.a.hoenig@gmail.com>
Seth Vargo <sethvargo@gmail.com>
Shahar Kohanim <skohanim@gmail.com>
Shamil Garatuev <garatuev@gmail.com>
Shane Hansen <shanemhansen@gmail.com>
Shaozhen Ding <dsz0111@gmail.com>
Shaun Dunning <shaun.dunning@usrvoice.com>
Shawn Elliott <selliott@microsoft.com>
Shawn Ledbetter <sledbetter@google.com>
Shawn Smith <shawn.p.smith@gmail.com>
Shawn Walker-Salas <shawn.walkerasalas@oracle.com>
Shenghou Ma <minux@golang.org> <minux.ma@gmail.com>
Shengjing Zhu <zsj950618@gmail.com>
Shengyu Zhang <shengyu.zhang@chaotic.org>
Shi Han Ng <shihanng@gmail.com>
Shijie Hao <shaomj@gmail.com>
Shinji Tanaka <shinji.tanaka@gmail.com>
Shintaro Kaneko <kaneshin0120@gmail.com>
Shivakumar GN <shivakumar.gn@gmail.com>
Shivani Singhal <shivani.singhal2804@gmail.com>
Shivansh Rai <shivansh@freebsd.org>
Shivashis Padhi <shivashispadhi@gmail.com>
Subhram Sharma <subhram.sha12@gmail.com>
Shun Fan <sfan@google.com>
Silvan Jegen <s.jegen@gmail.com>
Simarpreet Singh <simar@linux.com>
Simon Ferquel <simon.ferquel@docker.com>
Simon Jefford <simon.jefford@gmail.com>
Simon Rawet <simon@rawet.se>
Simon Rozman <simon@rozman.si>
Simon Thulbourn <simon+github@thulbourn.com>
Simon Whitehead <chemnova@gmail.com>
Sina Siadat <siadat@gmail.com>
Sjoerd Siebinga <sjoerd.siebinga@gmail.com>
Sokolov Yura <funny.falcon@gmail.com>
Song Gao <song@gao.io>
Spencer Kocot <spencerkocot@gmail.com>
Spencer Nelson <s@spenczr.com>
Spencer Tung <spencertung@gmail.com>
Spring Mc <sheresy.mc@gmail.com>
Travis Bischel <travis.bischel@gmail.com>
Travis Cline <travis.cline@gmail.com>
Trevor Strohman <trevor.strohman@gmail.com>
Trey Lawrence <lawrence.trey@gmail.com>
Trey Roessig <trey.roessig@gmail.com>
Trey Tacon <ttacon@gmail.com>
Tristan Amini <taminii01@ca.ibm.com>
Tristan Colgate <tcolgate@gmail.com>
Tristan Ooohry <ooohry@gmail.com>
Tristan Rice <rice@fn.io>
Troels Thomsen <troels.thomsen.io>
Trung Nguyen <trung.n.k@gmail.com>
Tudor Golubenco <tudor.g@gmail.com>
Tugdual Saunier <tugdual.saunier@gmail.com>
Tuo Shan <sturbo89@gmail.com> <shantuo@google.com>
Tyler Bui-Palsulich <tpalsulich@gmail.com>
Tyler Bunnell <tylerbunnell@gmail.com>
Tyler Treat <ttreat31@gmail.com>
Tzu-Jung Lee <roylee17@currant.com>
Udalov Max <re.udalov@gmail.com>
Ugorji Nwoke <ugorji@gmail.com>
Ulf Holm Nielsen <doktor@dyregod.dk>
Ulrich Kunitz <uli.kunitz@gmail.com>
Umang Parmar <umangiparmar@gmail.com>
Uriel Mangado <uriel@berlinblue.org>
Urvil Patel <patelurvil38@gmail.com>
Uttam C Pawar <uttam.c.pawar@intel.com>
Vadim Grek <vadimprog@gmail.com>
Vadim Vygonets <unixdj@gmail.com>
Val Polouchkine <vpolouch@justin.tv>
Valentin Vadic <vvidic@valentin-vadic.from.hr>
Vega Garcia Luis Alfonso <vegacom@gmail.com>
Venil Noronha <veniln@vmware.com>
Veselkov Konstantin <kostozyb@gmail.com>
Viacheslav Poturaev <vpearuto@gmail.com>
Victor Chudnovsky <vchudnov@gmail.com>
Victor Vrantchan <vrancean+github@gmail.com>
Vignesh Ramachandra <vickyramachandra@gmail.com>
Vikas Kedia <vikask@gmail.com>
Ville Skytt <ville.skytta@iki.fi>
Vincent Ambo <tazjin@googlemail.com>
Vincent Batts <vbatts@hashbangbash.com> <vbatts@gmail.com>
Vincent Vanackere <vincent.vanackere@gmail.com>
Vinu Rajashekhar <vinutheraj@gmail.com>
Vish Subramanian <vish@gmail.com>
Vishvananda Ishaya <vishvananda@gmail.com>
Visweswara R <r.visweswara@gmail.com>
Vitaly Zdanevich <zdanevich.vitaly@ya.ru>
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Raul Silvera <rsilvera@google.com>
Tipp Moseley <tipp@google.com>
Hyoun Kyu Cho <netforce@google.com>
Martin Spier <spiermann@gmail.com>
Taco de Wolff <tacodewolff@gmail.com>
Andrew Hunter <andrewwhunter@gmail.com>

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1.79 pythonurllib 1.25.8 2ubuntu0.1

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 1647

* Josh Schneier <https://github.com/jschneier>
* HTTPHeaderDict and associated tests and docs
* Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
* Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
* source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
* PEP8 Compliance and Linting
* Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
* Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
* Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
* Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
* Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
* Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
* Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
* Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
* Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
* Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
* IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
* App Engine environment tests.
* Documentation re-write.
* John Krauss <https://github.com/talos>
  * Clues to debugging problems with 'cryptography' dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from ```HTTPResponse.stream()```
  * Bugfix for ```ConnectionPool.urlopen(release_conn=False)```
  * Creation of ```HTTPConnectionPool.ResponseCls```

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme
* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarks.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite
* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
  * Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside `HTTPConnectionPool._make_request()`, also for `BaseExceptions`

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6.
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1.84 gstreamer 1.16.2-2

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this
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Alan Shreve <alan@inconshreveable.com>
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Gonzalo Serrano <boikot@gmail.com>
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1.90 py3-lockfile 0.12.2-4.ph4

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1.98 py3-distlib 0.3.3-r0
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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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==================================
Distutils2 Contributors
==================================

The Distutils2 project was started by Tarek Ziad and is currently
maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

Thanks to:

- Rajiv Abraham
- Ali Afshar
- David Barnett
- Pior Bastida
- Anthony Baxter
- Erik Bray
- C. Titus Brown
- Francisco Martin Brugu
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/service_type.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/status_code_enum.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/alarm.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/security/auth_metadata_processor.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/rpc_service_method.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/support/server_callback.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/support/status_code_enum.h
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/service_type.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/include/grpc++/health_check_service_interface.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/ext/health_check_service_server_builder_option.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/slice.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/metadata_map.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/sync_stream.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/config.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/byte_buffer.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/completion_queue.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc++/impl/codegen/client_interceptor.h

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/optim/cola/permits/1222770154_1635764364.44/l/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/java/java_map_field_lite.h

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/optim/cola/permits/1222770154_1635764364.44/l/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/stubs/common.h

/optim/cola/permits/1222770154_1635764364.44/l/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/java/java_context.cc
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field.cc
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field_unittest.cc
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec_map_field_unittest.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/ruby/ruby_generator_unittest.cc
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/stubs/casts.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/stubs/map_util.h

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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/compiler/csharp/csharp_generator_unittest.cc
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/stubs/casts.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/third_party/protobuf/src/google/protobuf/stubs/map_util.h

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*
*/
/** TLS server authorization check arguments, wraps
* grpc_tls_server_authorization_check_arg. It is used for experimental
* purposes for now and it is subject to change.
*
* The server authorization check arg contains all the info necessary to
* schedule/cancel a server authorization check request. The callback function
* must be called after finishing the schedule operation. See the description
* of the grpc_tls_server_authorization_check_arg struct in grpc_security.h for
* more details. **/

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/* "grpc_tools/_protoc_compiler.pyx":1
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/third_party/protobuf/src/google/protobuf/stubs/platform_macros.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/third_party/protobuf/src/google/protobuf/stubs/stringprintf_unittest.cc
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/third_party/protobuf/src/google/protobuf/stubs/stringprintf.cc

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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/server_builder.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/completion_queue.h
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_tools/test/simplest.proto
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/ext/admin_services.h
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_tools/test/simpler.proto
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_tools/test/simple.proto
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_tools/test/complicated.proto
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/security/authorization_policy_provider.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_tools/test/tls_certificate_provider.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc/event_engine/event_engine.h
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Metadata-Version: 1.1
Name: grpcio-tools
Version: 1.41.1
Summary: Protobuf code generator for gRPC
Home-page: https://grpc.io
Author: The gRPC Authors
Author-email: grpc-io@googlegroups.com
License: Apache License 2.0
Description: gRPC Python Tools

Package for gRPC Python tools.

Supported Python Versions

---------------
Python >= 3.6

Installation

The gRPC Python tools package is available for Linux, Mac OS X, and Windows.

Installing From PyPI

If you are installing locally...

::

$ pip install grpcio-tools

Else system wide (on Ubuntu)...

::

$ sudo pip install grpcio-tools

If you're on Windows make sure that you installed the `pip.exe` component when you installed Python (if not go back and install it!) then invoke:

::

$ pip.exe install grpcio-tools
Windows users may need to invoke `pip.exe` from a command line ran as administrator.

n.b. On Windows and on Mac OS X one *must* have a recent release of `pip` to retrieve the proper wheel from PyPI. Be sure to upgrade to the latest version!

You might also need to install Cython to handle installation via the source distribution if gRPC Python's system coverage with wheels does not happen to include your system.

Installing From Source
~~~~~~~~~~~~~~~~~~~~~~

Building from source requires that you have the Python headers (usually a package named `python-dev`) and Cython installed. It further requires a GCC-like compiler to go smoothly; you can probably get it to work without GCC-like stuff, but you may end up having a bad time.

```
$ export REPO_ROOT=grpc  # REPO_ROOT can be any directory of your choice
$ git clone -b RELEASE_TAG_HERE https://github.com/grpc/grpc $REPO_ROOT
$ cd $REPO_ROOT
$ git submodule update --init

$ cd tools/distrib/python/grpcio_tools
$ python ./make_grpcio_tools.py

# For the next command do `sudo pip install` if you get permission-denied errors
$ GRPC_PYTHON_BUILD_WITH_CYTHON=1 pip install .
```

You cannot currently install Python from source on Windows. Things might work out for you in MSYS2 (follow the Linux instructions), but it isn't officially supported at the moment.

Troubleshooting
~~~~~~~~~~~~~~

Help, I ...

* **... see a** `pkg_resources.VersionConflict` **when I try to install grpc**

This is likely because `pip` doesn't own the offending dependency, which in turn is likely because your operating system's package manager owns it. You'll need to force the installation of the dependency:
For example, if you get an error like the following:

```
Traceback (most recent call last):
  File "<string>", line 17, in <module>
...  File "/usr/lib/python2.7/dist-packages/pkg_resources.py", line 509, in find
    raise VersionConflict(dist, req)
  FileResources.VersionConflict: (six 1.8.0 (/usr/lib/python2.7/dist-packages), Requirement.parse('six>=1.10'))
```

You can fix it by doing:

```
sudo pip install --ignore-installed six
```

* ***... see compiler errors on some platforms when either installing from source or from the source distribution**

If you see

```
/tmp/pip-build-U8pSsr/cython/Cython/Plex/Scanners.c:4:20: fatal error: Python.h: No such file or directory
#include "Python.h"
^
compilation terminated.
```

You can fix it by installing `python-dev` package, i.e

```
sudo apt-get install python-dev
```

If you see something similar to:

```
'SIGNED_INT_MAX'
static const Type kPosMax = SIGNED_INT_MAX(Type);
^  
```

And your toolchain is GCC (at the time of this writing, up through at least GCC 6.0), this is probably a bug where GCC chokes on constant expressions
when the :code:`-fwrapv` flag is specified. You should consider setting your
environment with :code:`CFLAGS=-fno-wrapv` or using clang (:code:`CC=clang`).
Usage
----Given protobuf include directories :code:`$INCLUDE`, an output directory
:code:`$OUTPUT`, and proto files :code:`$PROTO_FILES`, invoke as:
::
$ python -m grpc.tools.protoc -I$INCLUDE --python_out=$OUTPUT --grpc_python_out=$OUTPUT
$PROTO_FILES
To use as a build step in distutils-based projects, you may use the provided
command class in your :code:`setup.py`:
::
setuptools.setup(
# ...
cmdclass={
'build_proto_modules': grpc.tools.command.BuildPackageProtos,
}
# ...
)
Invocation of the command will walk the project tree and transpile every
:code:`.proto` file into a :code:`_pb2.py` file in the same directory.
Note that this particular approach requires :code:`grpcio-tools` to be
installed on the machine before the setup script is invoked (i.e. no
combination of :code:`setup_requires` or :code:`install_requires` will provide
access to :code:`grpc.tools.command.BuildPackageProtos` if it isn't already
installed). One way to work around this can be found in our
:code:`grpcio-health-checking`
`package <https://pypi.python.org/pypi/grpcio-health-checking>`_:
::
class BuildPackageProtos(setuptools.Command):
"""Command to generate project *_pb2.py modules from proto files."""
# ...
def run(self):
from grpc.tools import command
command.build_package_protos(self.distribution.package_dir[''])
Now including :code:`grpcio-tools` in :code:`setup_requires` will provide the

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command on-setup as desired.

For more information on command classes, consult `distutils` and `setuptools` documentation.

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 3
Classifier: License :: OSI Approved :: Apache Software License

Found in path(s):
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41-1-tar-gz/grpcio-tools-1.41.1/PKG-INFO
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41-1-tar-gz/grpcio-tools-1.41.1/grpcio_tools.egg-info/PKG-INFO
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/resource_quota.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/rpc_service_method.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/gpr_types.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/src/compiler/node_generator_helpers.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/status_code_enum.h
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1411-tar-gz/grpcio-tools-1411/grpc_root/include/grpcpp/impl/codegen/config.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1411-tar-gz/grpcio-tools-1411/grpc_root/include/grpcpp/impl/codegen/grpc_library.h

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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1411-tar-gz/grpcio-tools-1411/third_party/protobuf/src/google/protobuf/stubs/template_util.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1411-tar-gz/grpcio-tools-1411/third_party/protobuf/src/google/protobuf/stubs/mutex.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1411-tar-gz/grpcio-tools-1411/third_party/protobuf/src/google/protobuf/stubs/template_util_unittest.cc

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1.41.1/grpc_root/include/grpcpp/support/server_interceptor.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/include/grpcpp/support/status_code_enum.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/src/compiler/ruby_generator_map-inl.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/src/compiler/cpp_generator.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/include/grpc/support/workaround_list.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/include/grpcpp/support/string_ref.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/include/grpcpp/generic/generic_stub.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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1.41.1/grpc_root/include/grpcpp/support/method_handler.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
1.41.1/grpc_root/src/compiler/ruby_generator_helpers-inl.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
1.41.1/grpc_root/include/grpc/support/sync_windows.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar.gz/grpcio-tools-
1.41.1/grpc_root/src/compiler/cpp_plugin.cc
1.41.1/grpc_root/src/compiler/ruby_generator.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/src/compiler/python_plugin.cc
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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/server_callback.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/sync_stream.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/server_callback_handlers.h

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* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpc/tools/_protoc_compiler.pyx
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/_parallel_compile_patch.py
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/src/compiler/BUILD
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/permits/1635764364.44/0/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/async_stream.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/server_callback.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/sync_stream.h
* /opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1-41-1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/impl/codegen/server_callback_handlers.h

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*/opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpcpp/support/error_details.h
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*/opt/cola/permits/1222770154_1635764364.44/0/grpcio-tools-1.41.1-tar-gz/grpcio-tools-1.41.1/grpc_root/include/grpccpp/impl/channel_argument_option.h
1.107 groupcache 0.0.0-20200121045136-8c9f03a8e57e

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1.111 ansible 2.10.0

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1.115 python3-asn1crypto 0.24.0

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1.118 zstd 1.4.4+dfsg-3ubuntu0.1

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* command :
* $ ./checkTag tag 
* checkTag validates tags of following format : v[0-9].[0-9].[0-9]{any} 
* The tag is then compared to zstd version number. 
* They are compatible if first 3 digits are identical. 
* Anything beyond that is free, and doesn't impact validation. 
* Example : tag v1.8.1.2 is compatible with version 1.8.1 
* When tag and version are not compatible, program exits with error code 1. 
* When they are compatible, it exists with a code 0. 
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
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It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.

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1.131 jinja2 3.0.2

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* /opt/cola/permits/1210557185_1633418177.62/0/jinja2-3-0-2-tar-gz/Jinja2-3.0.2/LICENSE.rst

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[metadata]
name = Jinja2
version = attr: jinja2.__version__
url = https://palletsprojects.com/p/jinja/
project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://jinja.palletsprojects.com/
  Changes = https://jinja.palletsprojects.com/changes/
  Source Code = https://github.com/pallets/jinja/
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license = BSD-3-Clause
license_files = LICENSE.rst
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A very fast and expressive template engine.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
  Development Status :: 5 - Production/Stable
  Environment :: Web Environment
  Intended Audience :: Developers
  License :: OSI Approved :: BSD License
  Operating System :: OS Independent
  Programming Language :: Python
  Topic :: Internet :: WWW/HTTP :: Dynamic Content
  Topic :: Text Processing :: Markup :: HTML

[options]
packages = find:
  package_dir = = src
  include_package_data = true
  python_requires = >= 3.6

[options.packages.find]
where = src

[options.entry_points]
babel.extractors =
  jinja2 = jinja2.ext:babel_extract[i18n]

[tool:pytest]
testpaths = tests
filterwarnings =
  error
ignore:The loop argument:DeprecationWarning:asyncio[.]base_events:542
[coverage:run]
branch = True
source = jinja2
tests

[coverage:paths]
source =
src
*/site-packages

[flake8]
select = B, E, F, W, B9, ISC
ignore =
E203
E501
E722
W503
max-line-length = 80
per-file-ignores =
src/jinja2/__init__.py: F401

[mypy]
files = src/jinja2
python_version = 3.6
disable_subclassing_any = True
disable_untyped_calls = True
disable_untyped_defs = True
disable_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True

[mypy-jinja2.defaults]
no_implicit_reexport = False

[mypy-markupsafe]
no_implicit_reexport = False

[egg_info]
tag_build =
tag_date = 0
Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted
user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing
----------

Install and update using `pip`:

.. code-block:: text

   $ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

   {% extends "base.html" %}
   {% block title %}Members{% endblock %}
   {% block content %}
   <ul>
   {% for user in users %}
   <li><a href="{{ user.url }}">{{ user.username }}</a></li>
   {% endfor %}
   </ul>
   {% endblock %}

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------

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Links
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- Documentation: https://jinja.palletsprojects.com/
- Changes: https://jinja.palletsprojects.com/changes/
- PyPI Releases: https://pypi.org/project/Jinja2/
- Source Code: https://github.com/pallets/jinja/
- Issue Tracker: https://github.com/pallets/jinja/issues/
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1.132 py3-toml 0.10.2-r2

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1.133 python-certifi 2021.10.08

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This package contains a modified version of ca-bundle.crt:

c-a-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) SRCSfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.134 html5lib 1.1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.136 cpp 9.4.0-1ubuntu1~20.04.1
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@end enumerate

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ftp://gcc.gnu.org/pub/gcc/releases/ (for full releases)
svn://gcc.gnu.org/svn/gcc/    (for prereleases)
ftp://sourceware.org/pub/newlib/ (for newlib)
git://git.savannah.gnu.org/gm2.git (for Modula-2)

The current gcc-9 source package is taken from the SVN gcc-9-branch.

Changes: See changelog.Debian.gz

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

<table>
<thead>
<tr>
<th>Language</th>
<th>Compiler package</th>
<th>Library package</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ada</td>
<td>gnat-9</td>
<td>libgnat-9</td>
<td>gnat-9-doc</td>
</tr>
<tr>
<td>BRIG</td>
<td>gccbrig-9</td>
<td>libhsail-rt0</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>gcc-9</td>
<td></td>
<td>gcc-9-doc</td>
</tr>
<tr>
<td>C++</td>
<td>g++-9</td>
<td>libstdc++6</td>
<td>libstdc++6-9-doc</td>
</tr>
<tr>
<td>D</td>
<td>gdc-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fortran 95</td>
<td>gfortran-9</td>
<td>libgfortran3</td>
<td>ffortran-9-doc</td>
</tr>
<tr>
<td>Go</td>
<td>gccgo-9</td>
<td>libgo0</td>
<td></td>
</tr>
<tr>
<td>Objective C</td>
<td>gobjc-9</td>
<td>libobjc2</td>
<td></td>
</tr>
<tr>
<td>Objective C++</td>
<td>gobjc++-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modula-2</td>
<td>gm2-9</td>
<td>libgm2</td>
<td></td>
</tr>
</tbody>
</table>

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

<table>
<thead>
<tr>
<th>Language</th>
<th>Sources</th>
<th>Development</th>
<th>Debugging</th>
<th>Position-Independent</th>
</tr>
</thead>
<tbody>
<tr>
<td>C++</td>
<td>libstdc++6-9-dbg</td>
<td>libstdc++6-9-pic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>libphobos-9-dev</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional packages include:

All languages:
libgcc1, libgcc2, libgcc4     GCC intrinsics (platform-dependent)
gcc-9-base     Base files common to all compilers
gcc-9-soft-float  Software floating point (ARM only)
gcc-9-source    The sources with patches

Ada:
libgnatvsn-dev, libgnatvsn9   GNAT version library

C:
cpp-9, cpp-9-doc            GNU C Preprocessor
libssp0-dev, libssp0   GCC stack smashing protection library
libquadmath0            Math routines for the __float128 type
fixincludes            Fix non-ANSI header files

C, C++ and Fortran 95:
libgomp1-dev, libgomp1GOMP OpenMP (GOMP) support library
libitm1-dev, libitm1    GNU Transactional Memory Library

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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- libatomic
- libdecnumber
- libgomp
- libitm
- libssp
- libstdc++-v3
- libobjc
- libgfortran
- The libgnat-9 Ada support library and libgnatvsn library.
- Various config files in gcc/config/ used in runtime libraries.
- libvtv

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Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

http://llvm.org

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
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1.137 google-cloud-go 0.70.0

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```
package compute

import {
  "bytes"
  "context"
  "fmt"
  "io/ioutil"
  "math"
  "net/http"
  "net/url"
}

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"
computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
"google.golang.org/grpc"
"google.golang.org/grpc/metadat"a
"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
  List     []gax.CallOption
  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.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
  List(context.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.
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.

```go
cfunc (c *LicensesClient) SetIamPolicy(ctx context.Context, req *compute.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*compute.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.

cfunc (c *LicensesClient) TestIamPermissions(ctx context.Context, req *compute.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*compute.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.
ffunc 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"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("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...)
    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.
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
    }
    return nil, err
}


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.

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((c.CallOptions).Delete[0:len((c.CallOptions).Delete)](c.CallOptions.Delete), len((c.CallOptions).Delete)[0:0], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    if err != nil {
        return err
    }
    httpReq = httpReqWithContext(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
}
// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
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
}

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if err != nil {
    return err
}
httpReq = httpReqWithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
def 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
    }
    req.GetResource())
    params := url.Values{}
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
    }
    baseUrl.Path += params.Encode()
baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))

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
    }
    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
// 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
    }
    params := url.Values{
        "requestId": fmt.Sprintf("%v", req.GetRequestId())
    }
    baseUrl.RawQuery = params.Encode()

    // Build HTTP headers from client and context metadata.
    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
    resp := &computepb.Operation{
        err := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
            if settings.Path != "" {
                baseUrl.Path = settings.Path
            }
            if err != nil {
                return err
            }
            httpReq = httpReq.WithContext(ctx)
            httpReq.Header = headers
            httpRsp, err := c.httpClient.Do(httpReq)
            if err != nil {
                return err
            }
            resp, err := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}.Unmarshal(resp, resp)
            if err != nil {
                return err
            }
            return nil
        })
        if resp := resp; resp != nil {
            return resp, nil
        }
    }
}
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

// 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{}
        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
}
params := url.Values{}
if req != nil && req.Filter != nil {
}
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 {
}
if req != nil && req.ReturnPartialSuccess != nil {
}
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
}
if err != nil {
return err
}
httpReq.Header = headers
httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

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if err :=.googleapis.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
}

// Build HTTP headers from client and context metadata.

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
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
    }
    if err != nil {
        return err
    }
    httpReq = httpReqWithContext(ctx)
    httpReq.Header = headers
    httpRsp, err := c.httpClient.Do(httpReq)
    if err != googleapi.DeadlineExceeded {
        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
})

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
    }

    // Build HTTP headers from client and context metadata.

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
    opts = append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions)], 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
        }
        if err != nil {
            return err
        }
        httpReq = httpReqWithContext(ctx)
    })
    return resp, nil
}
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.
// 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_test

import {
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
func ExampleNewLicenseCodesRESTClient() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()
    
    // TODO: Use client.
    _ = c
}

func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    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/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    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/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseCodeRequest.
    }
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
    "context"
)

compute "cloud.google.com/go/compute/apiv1"
"google.golang.org/api/iterator"
computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"

func ExampleNewLicensesRESTClient() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use client.
    _ = c
}

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    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/google.golang.org/genproto/googleapis/cloud/compute/v1#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()
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/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseRequest.
}
resp, err := c.Get(ctx, req)
if err != nil {
  // TODO: Handle error.
}
  // TODO: Use resp.
_ = resp

func ExampleLicensesClient_GetIamPolicy() {
  ctx := context.Background()
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/google.golang.org/genproto/googleapis/cloud/compute/v1#GetIamPolicyLicenseRequest.
}
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
  // TODO: Handle error.
}
  // TODO: Use resp.
_ = resp

func ExampleLicensesClient_Insert() {
  ctx := context.Background()
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/google.golang.org/genproto/googleapis/cloud/compute/v1#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()
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/google.golang.org/genproto/googleapis/cloud/compute/v1#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()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
defer c.Close()}
func ExampleLicensesClient_SetIAMPolicy() {
    req := &computepb.SetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#SetIamPolicyLicenseRequest.
    }
    resp, err := c.SetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_TestIAMPermissions() {
    ctx := context.Background()
    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/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseRequest.
    }
    resp, err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

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package compute

import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "net/http"
    "net/url"

    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"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
    "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 {
    Get            []gax.CallOption
    TestIamPermissions []gax.CallOption
}

func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
    return &LicenseCodesCallOptions{
        Get:            []gax.CallOption{},
        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.
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) {
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"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/")
    }
}

// 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.
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
    }

    // Build HTTP headers from client and context metadata.
headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
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
    }
    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",

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)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.TestPermissionsResponse{
err := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }

    if err != nil {
        return err
    }

    httpReq = httpReqWithContext(ctx)

    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
    }

    return resp.Unmarshal(buf)
if err := unm.Unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return nil
}, opts...)  
if e != nil {
    return nil, e
}
return resp, nil

1.138 compress 1.13.6
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Alex Legg <alexlegg@google.com>
Damian Gryski <dgryski@gmail.com>
Eric Buth <eric@topos.com>
Jan Mercl <0xjnml@gmail.com>
Jonathan Swinney <jswinney@amazon.com>
Kai Backman <kaib@golang.org>
Klaus Post <klauspost@gmail.com>
Marc-Antoine Ruel <maruel@chromium.org>
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1.147 chardet 3.0.4-4build1

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1.152 gjson 1.11.0

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1.153 selinux 3.0-1build2

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1.154 cloud-google-com-go 0.70.0

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package cloud

import (  
"bytes"
)
```go
var sentinels = []string{
    "Copyright",
    "Google",
    "Licensed under the Apache License, Version 2.0 (the "License");",
}

func TestLicense(t *testing.T) {
    t.Parallel()
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
            return nil
        }
        if strings.HasSuffix(path, ".pb.go") {
            // .pb.go files are generated from the proto files.
            // .proto files must have license headers.
            return nil
        }
        if path == "bigtable/cmd/cbt/cbtdoc.go" {
            // Automatically generated.
            return nil
        }
        if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
            // BSD license, which is compatible, is embedded in the file.
            return nil
        }
        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }
        src = src[:300] // Ensure all of the sentinel values are at the top of the file.

        // Find license
        for _, sentinel := range sentinels {
            if !bytes.Contains(src, []byte(sentinel)) {
                t.Errorf("%v: license header not present. want %q", path, sentinel)
                return nil
            }
        }
    })
}
```

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1.155 opentracing-contrib-go-grpc 0.0.0-20180928155321-4b5a12d3ff02

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1.164 gopkg.in-yaml 2.4.0

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1.166 icu 66.1 2ubuntu2.1
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC
## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s/\(^.*\)/\1.o $@ : /g" > $@; \ 
[-s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s/\(^.*\)/\1.o $@ : /g" > $@; \ 
[-s $@ ] || rm -f $@’

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
This package was debianized by Jay Berkenbilt <qjb@debian.org> on August 5, 2005.
The packaging was taken over by Laszlo Boszormenyi (GCS) <gcs@debian.org> on Tue, 17 Mar 2015.

The original source was downloaded from http://site.icu-project.org/download

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Christopher Montgomery <monty@xiph.org>
Greg Maxwell <greg@xiph.org>
Ralph Giles <giles@xiph.org>
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Version 3, 29 June 2007

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License: Dual-licensed: MIT (Expat) or GPL
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Name: jquery.history  
Link: https://tkyk.github.io/jquery-history-plugin/  
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Name: jquery.scrollTo  
Link: http://plugins.jquery.com/project/ScrollTo  
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Name: qrcode.js  
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Name: Jshrink  
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Name: upgrade.php  
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Name: Zend Framework
Link: https://framework.zend.com/
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Name: pChart 2.1.4
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Name: Chroma.js
Link: https://github.com/gka/chroma.js
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Name: Solar System icons - Dan Wiersema
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Name: Wine project - tahoma.ttf font
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chroma.js - JavaScript library for color conversions

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1.173 xz 5.2.4 1ubuntu1

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1.174 libcap 2.32-1

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* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/job.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/do_command.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/user.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/config.h
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/entry.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/env.c
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.c

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Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/manl, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no `&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

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$Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $
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 *
 * @(#)bitstring.h 5.2 (Berkeley) 4/4/90
 */

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Vixie Cron V3.0
December 27, 1993
[V2.2 was some time in 1992]
[V2.1 was May 29, 1991]
[V2.0 was July 5, 1990]
[V2.0-beta was December 9, 1988]
[V1.0 was May 6, 1987]
Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.23 systems. It
is functionally based on the SysV cron, which means that each user can have
their own crontab file (all crontab files are stored in a read-protected
directory, usually /var/cron/tabs). No direct support is provided for
'at'; you can continue to run 'atrun' from the crontab as you have been
doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files
"allow" and "deny" in /var/cron can be used to control access to the
"crontab" command (which installs crontabs). It hasn't been tested on
SysV, although some effort has gone into making the port an easy one.

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please, don't flame me for wanting my work to see a wider distribution.

To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll
have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files
Edit config.h
Edit Makefile
(both of these files have instructions inside; note that
some things in config.h are definable in Makefile and are
therefore surrounded by #ifndef...#endif)
'make'
'su' and 'make install'
(you may have to install the man pages by hand)
kill your existingcron process
(actually you can run your existing cron if you want, but why?)
built new crontabs using /usr/lib/[crontab,crontab.local]
(either put them all in "root"'s crontab, or divide it up
and rip out all the 'su' commands, collapse the lengthy
lists into ranges with steps -- basically, this step is
as much work as you want to make it)
start up the new cron
(must be done as root)
watch it. test it with 'crontab -r' and watch the daemon track your
changes.
if you like it, change your /etc/[rc,rc.local] to use it instead of
the old one.

$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp $

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1.177 centrifuge 0.2.3

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1.180 x-crypto 0.0.0-20211115234514-b4de73f9ece8

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text-utils/hexdump.c
text-utils/hexdump.h
text-utils/hexdump-conv.c
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1.190 jsonpath-ng 1.4.3

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* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/README.rst
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* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng/bin/jsonpath.py
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Metadata-Version: 1.1
Name: jsonpath-ng
Version: 1.4.3
Summary: A final implementation of JSONPath for Python that aims to be standard compliant, including arithmetic and binary comparison operators and providing clear AST for metaprogramming.
Home-page: https://github.com/h2non/jsonpath-ng
Author: Tomas Aparicio
Author-email: tomas@aparicio.me
License: Apache 2.0
Description: Python JSONPath Next-Generation

=======================================================================

A final implementation of JSONPath for Python that aims to be standard compliant, including arithmetic and binary comparison operators, as defined in the original `JSONPath proposal`_.

This packages merges both `jsonpath-rw`_ and `jsonpath-rw-ext`_ and provides several AST API enhancements, such as the ability to update or removes nodes in the tree.

About
-----

This library provides a robust and significantly extended implementation of JSONPath for Python. It is tested with CPython 2.6, 2.7 & 3.x.

This library differs from other JSONPath implementations in that it is a

---

__Original JSONPath proposal__: https://jsonpath.org/proposal

__jsonpath-rw__: https://github.com/json-path/jsonpath-rw

__jsonpath-rw-ext__: https://github.com/json-path/jsonpath-rw-ext

---
full *language* implementation, meaning the JSONPath expressions are first class objects, easy to analyze, transform, parse, print, and extend.

Quick Start
-----------
To install, use pip:

.. code:: bash

   $ pip install --upgrade jsonpath-ng

Usage
-----
Basic examples:

.. code:: python

   $ python

   >>> from jsonpath_ng import jsonpath, parse

   # A robust parser, not just a regex. (Makes powerful extensions possible; see below)
   >>> jsonpath_expr = parse('foo[*].baz')

   # Extracting values is easy
   >>> [match.value for match in jsonpath_expr.find({'foo': [{'baz': 1}, {'baz': 2}]} )]
   [1, 2]

   # Matches remember where they came from
   >>> [str(match.full_path) for match in jsonpath_expr.find({'foo': [{'baz': 1}, {'baz': 2}]} )]
   ['foo.[0].baz', 'foo.[1].baz']

   # And this can be useful for automatically providing ids for bits of data that do not have them (currently a global switch)
   >>> jsonpath.auto_id_field = 'id'
   >>> [match.value for match in parse('foo[*].id').find({'foo': [{'id': 'bizzle'}, {'baz': 3}]} )]
   ['foo.bizzle', 'foo.[1].id']

   # A handy extension: named operators like `parent`
   >>> [match.value for match in parse('a.*.b.`parent`.c').find({'a': {'x': {'b': 1, 'c': 'number one'}, 'y': {'b': 2, 'c': 'number two'}}) ]
   ['number two', 'number one']

   # You can also build expressions directly quite easily
>>> from jsonpath_ng.jsonpath import Fields
>>> from jsonpath_ng.jsonpath import Slice

>>> jsonpath_expr_direct = Fields('foo').child(Slice('*')).child(Fields('baz'))  # This is equivalent

Using the extended parser:

.. code:: python

    $ python

>>> from jsonpath_ng.ext import parse

# A robust parser, not just a regex. (Makes powerful extensions possible; see below)
>>> jsonpath_expr = parse('foo[ ].baz')

**JSONPath Syntax**

The JSONPath syntax supported by this library includes some additional features and omits some problematic features (those that make it unportable). In particular, some new operators such as `|` and `where` are available, and parentheses are used for grouping not for callbacks into Python, since with these changes the language is not trivially associative. Also, fields may be quoted whether or not they are contained in brackets.

**Atomic expressions:**

<table>
<thead>
<tr>
<th>Syntax</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>$</code></td>
<td>The root object</td>
</tr>
<tr>
<td><code>this</code></td>
<td>The &quot;current&quot; object.</td>
</tr>
<tr>
<td><code>foo</code></td>
<td>More generally, this syntax allows &quot;named operators&quot; to extend JSONPath is arbitrary ways</td>
</tr>
<tr>
<td><code>field</code></td>
<td>Specified field(s), described below</td>
</tr>
<tr>
<td><code>[ </code>field<code> </code>]`</td>
<td>Same as <code>field</code></td>
</tr>
<tr>
<td><code>[ </code>idx<code> </code>]`</td>
<td>Array access, described below (this is always unambiguous with field access)</td>
</tr>
</tbody>
</table>
### Jsonpath operators:

<table>
<thead>
<tr>
<th>Syntax</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>*jsonpath1* ``.`` *jsonpath2* </code></td>
<td>All nodes matched by <code>*jsonpath2*</code> starting at any node matching <code>*jsonpath1*</code></td>
</tr>
<tr>
<td><code>*jsonpath* \[``whatever``\]</code></td>
<td>Same as <code>*jsonpath* ``.`` </code><em>whatever</em>`</td>
</tr>
<tr>
<td><code>*jsonpath1* ``..`` *jsonpath2* </code></td>
<td>All nodes matched by <code>*jsonpath2*</code> that descend from any node matching <code>*jsonpath1*</code></td>
</tr>
<tr>
<td><code>*jsonpath1* ``where`` *jsonpath2*</code></td>
<td>Any nodes matching <code>*jsonpath1*</code> with a child matching <code>*jsonpath2*</code></td>
</tr>
<tr>
<td>`<em>jsonpath1</em> ``</td>
<td>`` <em>jsonpath2</em> `</td>
</tr>
</tbody>
</table>

### Field specifiers (`*field*`):

<table>
<thead>
<tr>
<th>Syntax</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>fieldname</code></td>
<td>the field <code>fieldname</code> (from the &quot;current&quot; object)</td>
</tr>
<tr>
<td><code>&quot;fieldname&quot;</code></td>
<td>same as above, for allowing special characters in the fieldname</td>
</tr>
<tr>
<td><code>'fieldname'</code></td>
<td>ditto</td>
</tr>
<tr>
<td><code>*</code></td>
<td>any field</td>
</tr>
<tr>
<td><code>*field* </code>,`` <em>field</em> `</td>
<td>either of the named fields (you can always build equivalent jsonpath using ```</td>
</tr>
</tbody>
</table>

### Array specifiers (`*idx*`):

<table>
<thead>
<tr>
<th>Syntax</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>\[``n``\]</code></td>
<td>array index (may be comma-separated list)</td>
</tr>
<tr>
<td>`[<code>\[</code>start<code>\]</code>]``</td>
<td>array slicing (note that <code>*step*</code> is unimplemented only due to lack of need</td>
</tr>
</tbody>
</table>
Programmatic JSONPath

If you are programming in Python and would like a more robust way to create JSONPath expressions that does not depend on a parser, it is very easy to do so directly, and here are some examples:

- ``Root()``
- ``Slice(start=0, end=None, step=None)``
- ``Fields('foo', 'bar')``
- ``Index(42)``
- ``Child(Fields('foo'), Index(42))``
- ``Where(Slice(), Fields('subfield'))``
- ``Descendants(jsonPath, jsonpath)``

Extras
------

- *Path data*: The result of ``JsonPath.find`` provide detailed context and path data so it is easy to traverse to parent objects, print full paths to pieces of data, and generate automatic ids.
- *Automatic Ids*: If you set ``jsonpath_ng.auto_id_field`` to a value other than None, then for any piece of data missing that field, it will be replaced by the JSONPath to it, giving automatic unique ids to any piece of data. These ids will take into account any ids already present as well.
- *Named operators*: Instead of using ``@`` to reference the currently object, this library uses ```this```. In general, any string contained in backquotes can be made to be a new operator, currently by extending the library.

<table>
<thead>
<tr>
<th>name</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>len</td>
<td>- $.objects.<code>len</code></td>
</tr>
<tr>
<td>sub</td>
<td>- $.field.<code>sub(/foo\\+(.*)/, \\1)</code></td>
</tr>
<tr>
<td>split</td>
<td>- $.field.<code>split(+, 2, -1)</code></td>
</tr>
<tr>
<td></td>
<td>- $.field.<code>split(sep, segment, maxsplit)</code></td>
</tr>
</tbody>
</table>
+--------------+----------------------------------------------+
| sorted      | - $.objects.`sorted` | |
|           | - $.objects[\some_field] | |
|      | - $.objects[\some_field,/other_field] | |
+--------------+----------------------------------------------+
| filter      | - $.objects[?(@some_field > 5)] | |
|          | - $.objects[?some_field = "foobar")] | |
|        | - $.objects[?some_field > 5 & other < 2)] | |
+--------------+----------------------------------------------+
| arithmetic  | - $.foo + "_" + $.bar | |
| (-+*/)     | - $.foo * 12 | |
|          | - $.objects[*].cow + $.objects[*].cat | |
+--------------+----------------------------------------------+

About arithmetic and string
----------------------------

Operations are done with python operators and allows types that python allows, and return [] if the operation can be done due to incompatible types.

When operators are used, a jsonpath must be be fully defined otherwise jsonpath-rw-ext can't known if the expression is a string or a jsonpath field, in this case it will choice string as type.

Example with data:

```
{
    'cow': 'foo',
    'fish': 'bar'
}
```

**cow + fish** returns **cowfish**

**$.cow + $.fish** returns **foobar**

**$.cow + "_" + $.fish** returns **foo_bar**

**$.cow + "_" + fish** returns **foo_fish**

About arithmetic and list
--------------------------

Arithmetic can be used against two lists if they have the same size.

Example with data:

```
{'objects': [
    {'cow': 2, 'cat': 3},
    {'cow': 4, 'cat': 6}
]}
```
]}
| **$.objects[\*].cow + $.objects[\*].cat** returns **[6, 9]**
More to explore
--------------There are way too many JSONPath implementations out there to discuss.
Some are robust, some are toy projects that still work fine, some are
exercises. There will undoubtedly be many more. This one is made for use
in released, maintained code, and in particular for programmatic access
to the abstract syntax and extension. But JSONPath at its simplest just
isn't that complicated, so you can probably use any of them
successfully. Why not this one?
The original proposal, as far as I know:
- `JSONPath - XPath for
JSON <http://goessner.net/articles/JSONPath/>`__ by Stefan Goessner.
Other examples
-------------Loading json data from file
.. code:: python
import json
d = json.loads('{"foo": [{"baz": 1}, {"baz": 2}]}')
# or
with open('myfile.json') as f:
d = json.load(f)
Special note about PLY and docstrings
------------------------------------The main parsing toolkit underlying this library,
`PLY <https://github.com/dabeaz/ply>`__, does not work with docstrings
removed. For example, ``PYTHONOPTIMIZE=2`` and ``python -OO`` will both
cause a failure.
Contributors
-----------This package is authored and maintained by:
- `Kenn Knowles <https://github.com/kennknowles>`__
(`@kennknowles <https://twitter.com/KennKnowles>`__)

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- `Tomas Aparicio <https://github.com/h2non>`

with the help of patches submitted by `these contributors <https://github.com/kennknowles/python-jsonpath-ng/graphs/contributors>`__.

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---------------------

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.. _`JSONPath proposal`: http://goessner.net/articles/JsonPath/
.. _`jsonpath-rw`: https://github.com/kennknowles/python-jsonpath-rw
.. _`jsonpath-rw-ext`: https://pypi.python.org/pypi/jsonpath-rw-ext/

.. |PyPi downloads| image:: https://pypip.in/d/jsonpath-ng/badge.png :target: https://pypip.in/d/jsonpath-ng

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/ Stable
Classifier: Intended Audience :: Developers
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Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6

Found in path(s):
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng.egg-info/PKG-INFO
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/PKG-INFO
No license file was found, but licenses were detected in source scan.

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* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng/ext/__init__.py
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng/ext/iterable.py
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng/ext/filter.py
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng/ext/arithmetic.py
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng/ext/string.py
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/tests/test_jsonpath_rw_ext.py
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng/ext/parser.py

1.191 python-certifi 2021.05.30

1.191.1 Available under license :
This package contains a modified version of ca-bundle.crt:

c-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.

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1.194 jsonschema 3.2.0
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1.195 google-uuid 1.1.5

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Paul Borman <borman@google.com>
bmatsuob
shawnps
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1.197 python-pip 20.0.2-5ubuntu1.6
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contextlib2 is a derivative of the contextlib module distributed by the PSF
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
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All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases that included the contextlib module.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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c-a-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
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Just configure this file as the SSLCACertificateFile.#

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@(#) SRCFile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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1.198 openssl 1.1.1l

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1.203 python-pip 3.10.0-2.ph4

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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All Python releases are Open Source (see http://www.opensource.org for
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```python
import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)
    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
    }

    setup(**arguments)
```

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'author': 'Kim Davies',
'author_email': 'kim@cynosure.com.au',
'license': 'BSD-like',
'url': 'https://github.com/kjd/idna',
'classifiers': [
    'Development Status :: 5 - Production/Stable',
    'Intended Audience :: Developers',
    'Intended Audience :: System Administrators',
    'License :: OSI Approved :: BSD License',
    'Operating System :: OS Independent',
    'Programming Language :: Python',
    'Programming Language :: Python :: 2',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Programming Language :: Python :: 3.6',
    'Topic :: Internet :: Name Service (DNS)',
    'Topic :: Software Development :: Libraries :: Python Modules',
    'Topic :: Utilities',
],
'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1110810307_1606855956.290/kjd-idna-v2-8-0-g1cfd175-1-tar-gz/kjd-idna-375dc46/setup.py

1.205 lz4 3.3.4

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1.206 python-stdlib-extensions 3.8.10-0ubuntu1~20.04

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pgen2/driver.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/pgen2/driver.py

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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/pgen2/pgen.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/pgen2/parse.py
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Found in path(s):
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* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.6/Lib/lib2to3/pgen2/__init__.py

* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.8/Lib/lib2to3/pgen2/literals.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.8/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.8/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.7/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.7/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.7/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.6/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.6/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.6/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.5/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.5/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.5/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.4/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.4/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.4/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.3/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.3/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.3/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.2/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.2/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.2/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.1/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.1/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.1/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.0/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.0/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2.3.0/Lib/lib2to3/pgen2/__init__.py

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extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_apply.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_long.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_exec.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/pKylee.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/tests/test_pKylee.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixtures/fix_print.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixtures/fix_ne.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/tests/pytree_idempotency.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/pygram.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/pygram.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/fixtures/fix_execfile.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixtures/fix_ne.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixtures/fix_has_key.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixtures/fix_exec.py

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('binary-only', None,
"cannot supply both '--source-only' and '--binary-only'")

'License: ' + self.distribution.get_license(),

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extensions-3.8.2/3.6/Lib/distutils/command/bdist_rpm.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/distutils/command/bdist_rpm.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/distutils/command/bdist_rpm.py

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# A grammar to describe tree matching patterns.
# Not shown here:
# - 'TOKEN' stands for any token (leaf node)
# - 'any' stands for any node (leaf or interior)
# With 'any' we can still specify the sub-structure.

# The start symbol is 'Matcher'.

Matcher: Alternatives ENDMARKER

Alternatives: Alternative ('|' Alternative)*

Alternative: (Unit | NegatedUnit)+

Unit: [NAME '='] ( STRING [Repeater]
  | NAME [Details] [Repeater]
  | '(' Alternatives ')' [Repeater]
  | '[' Alternatives ']' )

NegatedUnit: 'not' (STRING | NAME [Details] | '(' Alternatives ')')

Repeater: '*' | '+' | '{' NUMBER [',' NUMBER] '}'

Details: '<' Alternatives '>

Found in path(s):
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/PatternGrammar.txt
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/PatternGrammar.txt
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/PatternGrammar.txt

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extensions-3.8.2/3.8/Modules/_tkinter.c
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Modules/_tkinter.c
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Modules/_tkinter.c

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# version.

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  extensions-3.8.2/3.8/Lib/distutils/command/bdist_wininst.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.8/Lib/distutils/command/bdist_msi.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.8/Lib/distutils/cygwinccompiler.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.6/Lib/distutils/command/bdist_msi.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.6/Lib/distutils/command/bdist_wininst.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/distutils/command/bdist_wininst.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/distutils/command/bdist_msi.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/distutils/cygwinccompiler.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_standarderror.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_map.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_xrange.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_dict.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_buffer.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_standarderror.py`

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Found in path(s):
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  extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_standarderror.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_xrange.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_dict.py`
* `/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3.8-2-orig-tar-xz/python3-stdlib-
  extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_buffer.py`
executable.

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If distribution of object code is made by offering access to copy
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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Upstream-Contact: David Howells <dhowells@redhat.com>
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1.208 gojsonschema 1.2.0
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1.209 lib-pq 1.9.0

1.209.1 Available under license:

```go
// +build go1.10

package pq

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

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

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

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

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

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

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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1.210 adduser 3.118ubuntu2

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<imurdock@debian.org> and was maintained by Steve Phillips
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Murdock, Ted Hajek <tedhajek@boombox.micro.umn.edu>, and Sven Rudolph
<sr1@inf.tu-dresden.de>.

Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He
rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt
<rb@debian.org>.

Since March 24 2004, it is maintained by Roland Bauerschmidt
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<mh+debian-packages@zugschlus.de>

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### 1.211 isl 0.22.1-1

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### 1.212 libffi 3.4.2-r1

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

1.217 f-list-protobufjs 6.9.0

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Other contributors include:
Anthony Towns <ajt@debian.org>
David Whedon <dwhedon@gordian.com>
Dan Jacobowitz <dan@debian.org>
Tollef Fog Heen <tfheen@debian.org>
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Julian Seward, Cambridge, UK.
jsward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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1.226 typing-extensions 3.10.0.2
0.9.0 thru 1.2    1991-1995   CWI   yes
1.3 thru 1.5.2   1.2    1995-1999   CNRI   yes
1.6              1.5.2    2000   CNRI   no
2.0              1.6    2000   BeOpen.com   no
1.6.1            1.6    2001   CNRI   yes (2)
2.1              2.0+1.6.1 2001   PSF   no
2.0.1            2.0+1.6.1 2001   PSF   yes
2.1.1            2.1+2.0.1 2001   PSF   yes
2.1.2            2.1.1    2002   PSF   yes
2.1.3            2.1.2    2002   PSF   yes
2.2 and above    2.1.1    2001-now  PSF   yes

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1.236 prometheus-common 0.15.0

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1.237 py3-urllib 1.26.7-r0

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1.238 fsnotify 1.5.1

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1.239 hashicorp-uuid 1.0.2

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1.241 tdb 1.4.3-0ubuntu0.20.04.1

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- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd
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MySQL Connector/J 8.0

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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

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

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

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Preamble

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

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

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

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Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the
library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do
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a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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1.248 gpm 1.20.7-5

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# certdata.txt
#
# This file contains the object definitions for the certs and other
# information "built into" NSS.
#
# Object definitions:
#
# Certificates
#
#   -- Attribute --               -- type --          -- value --
#   CKA_CLASS                     CK_OBJECT_CLASS     CKO_CERTIFICATE
#   CKA_TOKEN                     CK_BBOOL            CK_TRUE
#   CKA_PRIVATE                   CK_BBOOL            CK_FALSE
#   CKA_MODIFIABLE                CK_BBOOL            CK_FALSE
#   CKA_LABEL                     UTF8                (varies)
#   CKA_CERTIFICATE_TYPE          CK_CERTIFICATE_TYPE CKC_X_509
#   CKA_SUBJECT                   DER+base64          (varies)
#   CKA_ID                        byte array          (varies)
#   CKA_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)
The object to tell NSS that this is a root list and we don't have to go looking for others.

BEGIN DATA

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 Builtroot"

# 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

END

CKA_ID UTF8 "0"
# Trust for Certificate "GlobalSign Root CA"
# Issuer: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Serial Number:04:00:00:00:00:00:01:15:4b:5a:01:15:4b:5a:01:15:4b:5a:01:15:4b:5a:01
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\261\274\226\213\232\235\142\252\250\232\201\362\255\001\122\244\035\202\234
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\076\105\122\202\250\011\121\222\341\267\135\067\237\261\207\051\121
END

CKA_ISSUER_MULTILINE_OCTAL
\060\127\061\013\060\001\1\006\003\125\004\006\023\002\102\105\061
\031\060\027\060\003\125\004\120\230\202\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\160\020\060\016\060\003
\125\004\120\233\007\122\157\157\164\040\013\101\061\033\060\031
\006\003\125\004\003\023\022\107\154\157\142\141\154\123\151\147
# 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", O=VeriSign Trust Network, C=US
# Serial Number: 00:8b:5b:75:56:84:54:58:0b: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", O=VeriSign Trust Network, C=US
# Not Valid Before: Fri Oct 01 00:00:00 1999
# Not Valid After: Wed Jul 16 23:59:59 2036

CKA_CLASS CK_OBJECT_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
0160021031260103060001100600031250040060230021251123
0610270600250060031250040120230161261451621511123
1511471560540401111561430560610370060035006003125
004013020302012614516215111231311471560401241621156
163164040116146176157162153061072060070006003
12500401302030610501430510400610710710710401261145
1621511123111147156054040111156143056040055040106
1571620401411651641501571621511721451440401651163
14504015715615417106101050140060103006003125004003023
0740126145162151112311511471560401031541411163163040
06104012016514515415114304012016215115514111621171
04010314516216415114611431411164151157156040101
165164150157162151164171040055040107063
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
0160021031260103060001100600031250040060230021251123
0610270600250060031250040120230161261451621511123
1511471560540401111561430560610370060035006003125
END

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# 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
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# Not Valid Before: Fri Oct 01 00:00:00 1999
# Not Valid After : Wed Jul 16 23:59:59 2036

CKA_CLASS CK_OBJECT_CLASS 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\125\127\216\023\153\324\267\321
\351\126\160\025\122\010\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\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\026\126\145\162\151\123\151\147\156\040\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\026\126\145\162\151\123\151\147\156\040\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\026\126\145\162\151\123\151\147\156\040\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\213\133\165\126\204\124\205\013\000\317\257\070\110
\316\261\124

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\060\020\131\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\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\026\126\145\162\151\123\151\147\156\040\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\026\126\145\162\151\123\151\147\156\040\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\026\126\145\162\151\123\151\147\156\040\012\162\165
\163\164\040\110\145\164\167\157\162\153\061\072\060\070\006\003

# 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
# 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
# Trust for 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


# 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


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

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

END

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

CKA_NSS_EMAIL_DISTRUST_AFTER MULTILINE_OCTAL

END

# For 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


# 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


\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\060\037\036\005\006\033\125
\004\013\023\026\126\145\162\151\123\151\147\156\040\012\146\165
\163\164\056\145\167\157\162\153\061\072\060\070\006\003
\125\004\130\230\061\040\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\000\040\032
\074\126\145\162\151\123\151\147\156\040\013\154\141\163\163\040
\062\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171\040\055\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\141\160\313\111\214\137\230\105\051\347\260\246\331\120
\133\172
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "Entrust.net Premium 2048 Secure Server CA"
#
# Issuer: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net
Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Serial Number: 946069240 (0x3863def8)
# Subject: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net
Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Not Valid Before: Fri Dec 24 17:50:51 1999
# Not Valid After: Tue Jul 24 14:15:12 2029
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust.net Premium 2048 Secure Server CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\020\126\145\061\024\060\022\006\003\125\004\012\023\016\126\145\162\151\123
\164\162\165\163\164\056\156\145\164\061\100\060\076\006\003\125
\004\013\024\067\167\167\056\145\156\164\162\165\163\164\056
\156\145\164\057\103\120\123\137\062\060\064\070\040\151\156\143
\157\162\160\056\040\142\171\040\162\145\146\056\040\050\154\151
\155\151\164\163\040\154\151\141\142\056\051\061\045\060\043\006
\003\125\004\013\023\003\040\050\143\051\040\061\071\071\040\105
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
# Trust for "Entrust.net Premium 2048 Secure Server CA"
# Issuer: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Serial Number: 946069240 (0x3863def8)
# Subject: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net
# Not Valid Before: Fri Dec 24 17:50:51 1999
# Not Valid After : Tue Jul 24 14:15:12 2029
CKA_CLASS CKA_OBJECT_CLASS CKAO_NSS_TRUST
CKA_TOKEN CKA_BBOOL CKA_TRUE
CKA_PRIVATE CKA_BBOOL CKA_FALSE
CKA_MODIFIABLE CKA_BBOOL CKA_FALSE
CKA_LABEL UTF8 "Entrust.net Premium 2048 Secure Server CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\120\060\006\011\035\227\324\365\256\071\367\313\347\222\175\175
\145\055\064\061
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\356\051\061\274\062\217\62\356\350\265\121\264\064\161\220
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\264\061\024\060\022\006\003\125\004\012\023\013\105\156
\164\162\165\163\164\056\156\145\164\061\100\060\076\006\003\125
\004\130\024\067\167\167\167\056\145\156\164\162\165\163\164\056
\156\145\164\057\103\120\123\137\062\064\064\070\040\151\156\143
\157\162\160\056\040\142\171\040\162\145\146\056\040\050\154\151
\155\151\164\163\040\154\151\141\142\056\051\061\045\060\043\006
\003\125\004\013\023\034\050\143\051\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\106\060\061\006\003\125\004\003\023\052\105\156\164
\162\165\163\164\056\156\145\164\040\133\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 CKA_TRUST CKA_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CKA_TRUST CKA_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CKA_TRUST CKA_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CKA_BBOOL CKA_FALSE

# Certificate "Baltimore CyberTrust Root"
#

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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3390
# 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

CKA_CLASS CK_OBJECT_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\110\111\006\111\003\125\004\006\023\002\111\111\115\061
\022\060\020\000\003\125\004\012\023\011\110\114\154\164\151\155
0157\162\145\061\102\060\021\006\111\125\004\013\023\012\103\171
\142\145\162\124\162\165\163\164\161\042\060\040\060\111\125\004
0003\023\031\102\141\154\164\151\155\157\162\145\040\103\171\142
\145\162\124\162\165\163\164\040\122\157\157\164

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\110\111\006\111\003\125\004\006\023\002\111\115\061
\022\060\020\000\003\125\004\012\023\011\110\114\154\164\151\155
0157\162\145\061\102\060\021\006\111\125\004\013\023\012\103\171
\142\145\162\124\162\165\163\164\042\060\040\060\111\125\004
0003\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\000\136\000\002\136\000\001\136\000\136\020\136\002\136\000\002
00157\162\145\061\102\060\021\006\111\125\004\013\023\012\103\171
\142\145\162\124\162\165\163\164\042\060\040\060\111\125\004
0003\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_VALUE MULTILINE_OCTAL
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Baltimore CyberTrust Root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\324\336\040\320\136\146\374\123\376\032\120\210\054\170\333\050
\122\312\344\164
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\254\266\224\245\234\027\340\327\221\122\233\261\227\006\246\344
END
CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\111\105\061
\022\060\020\006\003\125\004\012\023\011\102\141\154\164\151\155
\157\162\145\061\023\060\021\060\006\003\125\004\013\032\012\033\171
\142\145\162\124\162\165\163\164\061\042\060\040\006\003\125\004
\003\023\031\102\141\154\164\151\155\157\162\145\040\103\171\142
\145\162\124\162\165\163\164\040\122\157\157\164
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\002\000\000\271
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "Entrust Root Certification Authority"

# Issuer: CN=Entrust Root Certification Authority,OU="(c) 2006 Entrust, Inc.",OU=www.entrust.net/CPS is incorporated by reference,O="Entrust, Inc.",C=US
# Serial Number: 1164660820 (0x456b5054)
# Subject: CN=Entrust Root Certification Authority,OU="(c) 2006 Entrust, Inc.",OU=www.entrust.net/CPS is incorporated by reference,O="Entrust, Inc.",C=US
# Not Valid Before: Mon Nov 27 20:23:42 2006
# Not Valid After: Fri Nov 27 20:53:42 2026
# Fingerprint (MD5): D6:AE:C3:ED:5D:DD:3E:00:C1:3D:87:92:1F:1D:3F: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 "Entrust Root Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\260\061\103\060\001\006\003\125\004\006\023\002\125\123
\061\120\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\066\064\040\105\156\164\162\165\163\164\054\040
\111\156\143\056\061\055\060\053\006\003\125\004\032\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\103\060\001\006\003\125\004\006\023\002\125\123
\061\120\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\066\064\040\105\156\164\162\165\163\164\054\040
\111\156\143\056\061\055\060\053\006\003\125\004\032\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\020\004\221\060\022\003\171\240\000\03\002\001\002\002\004\010
\153\120\124\060\015\060\011\052\020\010\026\036\015\000\010\005
\005\000\060\020\126\060\013\060\011\000\003\125\004\006\023\002
\125\123\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
# Trust for 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 (MD5): D6:A5:C3:ED:5D:DD:3E:00:C1:3D:87:92:1F:1D:3F: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 "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\030\075\207\222\037\035\077\344
END
CKA_ISSUER MULTILINE_OCTAL
\263\036\261\267\100\343\154\204\002\332\334\067\324\115\365\324
\147\111\122\371
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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\076\061\013\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\157/156/061/022/060/020
\006\003/125/004/003/023/011/103/145/162/164/165/155/040/103/101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\076\061\013\030\006\001/125\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\157/156/061/022/060/020
\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
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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\022\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\014\061
\033\060\031\006\003\125\004\012\023\022\125\156\151\172\145\164
\157\040\123\160\056\040\172\040\157\056\157\056\061\022\060\020
\006\003\125\004\003\023\011\103\145\162\164\165\155\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\001\000\040
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# # Certificate "Comodo AAA Services root"
# # Issuer: CN=AAA Certificate Services,O=Comodo CA Limited,L=Salford,ST=Greater Manchester,C=GB
# # Serial Number: 1 (0x1)
# # Subject: CN=AAA Certificate Services,O=Comodo CA Limited,L=Salford,ST=Greater Manchester,C=GB
# Trust for 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)
# Not Valid Before: Thu Jan 01 00:00:00 2004
# Not Valid After : Sun Dec 31 23:59:59 2028

CKA_CLASS CK_OBJECT_CLASS 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_ISSUER MULTILINE_OCTAL
\060\030\031\006\003\125\004\010\014\002\107\162\145\141\164\145
\162\024\115\141\156\143\150\145\163\164\145\162\061\120\060\016
\006\003\125\004\007\014\007\123\141\154\146\157\162\144\061\132
\060\030\006\003\125\004\012\014\021\103\167\155\144\154\145
\130\101\040\114\151\155\151\164\145\144\061\041\060\037\006\003
\125\004\003\014\030\101\101\101\040\103\145\162\164\151\146\151
\143\141\164\145\040\123\145\162\166\151\143\145\163

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# 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

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\060\001\110\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\001\110\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\121\165\157\126\141\144
\151\163\040\114\151\155\151\164\145\144\061\033\060\031\006\003
\125\004\003\023\022\121\165\157\126\141\144\151\163\040\122\157
\157\164\040\103\101\040\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\002\005\011

END
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3404
\015\001\001\005\005\000\003\202\002\000\001\000\007\061\012\026\115\237
\006\133\250\256\161\113\505\070\055\057\147\346\023\105\020\033\040\066
\366\363\300\046\014\015\265\107\144\135\370\264\162\311\110\6245
\003\030\047\125\211\170\175\166\352\226\064\000\027\040\334\347
\203\370\215\374\007\270\332\137\115\056\147\262\220\043\375\331\104
\374\167\120\013\461\174\264\311\015\013\162\123\370\016\600\070\007
\101\107\226\014\373\340\202\046\223\125\214\376\042\037\140\145
\174\137\347\046\263\367\062\220\203\012\340\067\161\125\360\222
\041\11\07\367\225\17\173\270\055\046\207\146\126\060\167\246\067
\170\063\122\020\130\256\077\141\126\362\152\226\135\030\176\112
\131\143\31\125\242\126\325\247\057\274\146\037\170\071\031\342
\373\012\250\025\054\175\115\172\143\306\154\227\104\074\322\157
\130\11\027\12\370\220\322\12\242\031\12\245\055\227\101\332
\007\17\25\11\20\332\22\20\15\22\41\063\107\36\022\24\375\020\000
\070\365\073\350\100\341\126\156\126\032\040\314\157\130\215\355
\056\105\217\326\351\122\370\347\261\054\337\072\236\042\214\334
\204\273\042\157\320\370\344\030\071\351\004\210\074\303\272\353
\125\171\155\200\23\104\435\365\154\001\373\370\227\260\224\133\353
\375\322\157\361\167\150\155\065\144\043\125\270\125\241\003\321
\115\102\031\334\370\165\113\126\243\371\250\111\171\370\257\016
\271\11\24\014\74\267\152\355\064\320\266\046\142\070\032\207\014
\370\350\375\056\323\22\17\007\22\110\025\352\326\176\134\205\203
\231\26\070\010\077\351\113\371\016\050\007\344\114\121\156\127\177
\247\12\225\367\272\310\233\346\216\24\021\030\326\146\277\171
\141\133\074\034\343\127\120\134\135\240\303\351\130\110\275\031
\242\021\024\030\115\162\262\026\033\150\076\110\067\032\210\267\135
\226\161\326\234\037\357\047\142\010\034\222\103\134\322\361\041\335
\272\027\102\020\227\161\120\123\061\251\123\376\175\142\277\162
\141\243\223\035\142\126\046\132\011\070\320\316\327\152\000\026
\264\170\245\072\207\114\215\212\245\325\106\227\362\054\020\271
\274\024\042\000\001\120\151\103\236\364\262\357\155\370\035\332
\361\133\261\357\337\221\127\124\052\013\045\030\146\031\041\122
\020\000\015\145\325\202\020\352\032\061\135\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 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
# 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 After: Mon Nov 24 19:06:44 2031

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\054\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
"\341\377\361\043\210\121\070\237\362\146\126\166\347\017\121\227
\245\122\014\115\111\11\121\225\066\075\277\242\113\014\020\035\206
\231\114\252\263\162\021\223\344\352\236\233\332\250\135\247\115
\267\236\200\225\256\163\000\310\332\204\300\335\037\135\203\164\142
\000\224\313\042\040\276\022\247\131\265\202\152\276\231\171\172
\251\136\211\20\124\41\223\267\164\5\375\272\116\346\250\035\002\156\261
\015\200\014\030\121\56\323\043\067\137\273\205\174\053\222\056\350
\176\245\213\353\251\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\123\173
\223\301\134\311\151\032\075\300\153\116\042\155\356\253\130\115
\306\320\101\031\053\352\117\022\207\136\353\105\330\154\365\230
\002\323\240\330\125\212\006\231\031\242\220\167\321\060\236\254
\314\165\356\203\365\260\142\071\131\154\127\342\114\322\221\013
\016\165\050\033\232\277\375\032\103\361\131\216\67\373\073\217\141
\270\151\050\026\102\004\136\160\052\034\041\330\217\341\275\043
\133\055\164\100\222\233\114\301\015\163\335\151\274\142\107\274
\340\164\053\262\353\175\276\101\033\265\300\106\305\241\042\313
\137\116\301\050\022\336\030\272\325\205\020\273\021\213\027\223
\230\231\140\224\134\304\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 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 After : Mon Nov 24 19:06:44 2031
CKA_CLASS CK_OBJECT_CLASS 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\237\211\116\257\157\340\317
END
# 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

CKA_CLASS CK_OBJECT_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\001\110\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\104\010\103\157\155
\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103
\101\061
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\001\110\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\104\010\103\157\155
\155\165\156\151\143\141\164\151\157\156\040\122\157\157\164\103
\101\061
END
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Security Communication Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\066\261\053\111\371\201\236\327\135\254\262\367
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\361\274\143\152\124\340\265\047\365\315\347\032\343\115\156\112
END
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\030\060\026\006\003\125\004\012\023\017\123\105\103\117\115\040
\124\162\165\163\164\056\156\145\164\061\047\060\045\006\003\125
\004\103\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
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_ISSUER UTF8 "Camerfirma Chambers of Commerce Root"

CKA_SERIAL_NUMBER OCTAL 125004

END

CKA_ID UTF8 "0"

CKA_ISSUER OCTAL 125004

END

CKA_SERIAL_NUMBER OCTAL
# Trust for 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

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

END
CAK_TOKEN CK_BBOOL CK_TRUE
CAK_PRIVATE CK_BBOOL CK_FALSE
CAK_MODIFIABLE CK_BBOOL CK_FALSE
CAK_LABEL UTF8 "Camerfirma Chambers of Commerce Root"
CAK_CERT_SHA1_HASH MULTILINE_OCTAL
\156\072\125\244\031\014\031\134\223\204\074\300\333\162\056\061
\060\141\360\261
END
CAK_CERT_MD5_HASH MULTILINE_OCTAL
\260\001\356\024\331\257\051\030\224\166\216\361\151\063\052\204
END
CAK_ISSUER MULTILINE_OCTAL
\060\177\061\101\060\010\006\003\125\002\101\003\123\002\102
\047\060\045\006\003\125\004\012\023\036\101\103\040\010\155
\145\162\146\151\162\155\141\040\123\010\104\103\111\106\040\101
\070\062\067\064\063\062\070\067\061\104\106\036\060\041\006\003\125\004
\013\023\032\150\164\164\160\072\057\057\167\167\167\167\167\056\143\150
\141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\060
\040\006\000\125\004\003\023\031\103\150\141\155\142\145\162\163
\040\015\146\040\010\157\155\155\145\162\143\145\040\122\157\157
\164
END
CAK_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CAK_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CAK_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CAK_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CAK_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
CAK_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CAK_TOKEN CK_BBOOL CK_TRUE
CAK_PRIVATE CK_BBOOL CK_FALSE
CAK_MODIFIABLE CK_BBOOL CK_FALSE
CAK_LABEL UTF8 "Camerfirma Global Chambersign Root"
CAK_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Camerfirma Global Chambersign Root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\063\233\153\024\120\044\233\125\172\001\120\162\204\133\130\057
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\305\346\173\277\006\130\117\103\355\304\172\145\212\137\153\031
END
CKA_ISSUER MULTILINE_OCTAL
\060\175\061\103\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\013\141\155 \145\162\146\151\162\155\141\040\123\101\104\010\111\110\060\040\101 \070\062\067\064\063\062\070\067\061\043\060\041\100\003\125\004 \013\023\032\150\164\164\160\072\057\057\167\167\167\056\143\150 \141\155\142\145\162\163\151\147\156\056\157\162\147\061\040\060 \036\006\003\125\004\003\023\027\107\154\157\142\141\154\040\103 \150\141\155\142\145\162\163\151\147\156\040\122\157\157\164
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END  
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST  
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR  
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST  
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#  
# Certificate "XRamp Global CA Root"  
#  
# Issuer: CN=XRamp Global Certification Authority,O=XRamp Security Services Inc,OU=www.xrampsecurity.com,C=US  
# 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 (MD5): A1:0B:44:B3:CA:10:D8:00:6E:9D:0F:D8:0F:92:0A:D1  
# CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE  
# CKA_TOKEN CK_BBOOL CK_TRUE  
# CKA_MODIFIABLE CK_BBOOL CK_FALSE  
# CKA_ID UTF8 "0"  
# CKA_ISSUER MULTILINE_OCTAL  
# CKA_SERIAL_NUMBER MULTILINE_OCTAL  
#
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# 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
# CKA_CLASS CK_OBJECT_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

END


CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE 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

CKA_LABEL UTF8 "Go Daddy Class 2 CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
 217/040/356/344
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
 221/336/006/045/253/332/375/062/027/014/273/045/027/052/204/147
END
CKA_ISSUER MULTILINE_OCTAL
 060/143/061/013/060/011/006/003/125/004/006/023/002/125/123/061
 041/060/037/006/003/125/004/012/023/030/124/150/145/040/107/157
 040/104/141/144/144/171/040/107/162/157/165/160/054/040/111/156
 143/056/061/061/060/057/006/003/125/004/013/023/050/107/157/040
 104/141/144/144/171/040/103/154/141/163/163/040/062/040/103/145
 162/164/151/146/151/143/141/164/151/157/156/040/101/165/164/150
 157/162/151/164/171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
 002/001/000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Class 2 CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
 060/150/006/011/030/000/1/125/004/006/023/002/125/123/061
 045/060/043/006/003/125/004/012/023/034/123/164/141/162/146/151
 054/040/111/156/043/056/061/062/060/060/000/125/004/013/023
 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

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CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Class 2 CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\255\176\034\050\260\144\357\217\140\003\100\040\024\303\320\343
\067\016\265\212
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\062\112\113\273\310\143\151\233\276\164\232\306\335\035\106\044
END
CKA_ISSUER MULTILINE_OCTAL
\060\150\061\013\060\003\125\004\006\023\002\125\123\061
\045\060\043\006\003\125\004\012\023\034\123\164\141\162\146\151
\145\154\144\040\124\145\143\150\156\157\154\157\147\151\145\163
\054\040\111\156\143\056\061\062\060\060\006\003\125\004\013\023
\051\123\164\141\162\146\151\145\154\144\040\103\154\141\163\163
\040\062\040\103\145\162\164\151\146\151\143\141\164\151\157\156
\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# # Certificate "DigiCert Assured ID Root CA"
#
# Issuer: CN=DigiCert Assured ID Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:0c:e7:e0:e5:17:d8:46:fe:8e5:60: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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Assured ID Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\145\061\013\060\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023

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# Trust for Certificate "DigiCert Assured ID Root CA"

## Issuer: CN=DigiCert Assured ID Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
## Serial Number: 0ce:7e:0e:5c:17:8d:46:fe:8e:5b: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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

---

END

CKA_NSS MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

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# Certificate "DigiCert Global Root CA"

# Issuer: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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
# CA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
# CA_TOKEN CK_BBOOL CK_TRUE
# CA_PRIVATE CK_BBOOL CK_FALSE
# CA_MODIFIABLE CK_BBOOL CK_FALSE
# CA_LABEL UTF8 "DigiCert Global Root CA"
# CA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
# CA_SUBJECT MULTILINE_OCTAL
# CA_CERT_SHA1_HASH MULTILINE_OCTAL
# CA_CERT_MD5_HASH MULTILINE_OCTAL
# CA_ISSUER MULTILINE_OCTAL
# CA_SERIAL_NUMBER MULTILINE_OCTAL
# CA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# CA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# CA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# CA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
06014110110130600110060003125004006023002125123061
02506002300600312500401202301410415114711511031145
16216404011111561430610310602700600312500401323023
02016171671670561441151147115114311451621640561431157
15506104006003600600312500400302301204115114711511031145
103114516216404012715142114115404012211571157164
0401031101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
002020000107333401262220102106262112411651523111311221
307112

END

CKA_VALUE MULTILINE_OCTAL
060202000325706020200222722400030020010020002020010
073034012622201021062621124116515231113112211307112060
015006011052020611020636701500110010050050000060141
06101306000110060031250040060230021251230611025060
023000600312500401202301410415114711511031145162164
0401111561430610310602700600312500401323020161
01671670561441151147115114311451621640561431157155061
040060036006003125004003023027104115114711511031145
162164040107154157142114115404012211571157164040103
0101600360270150600606106106106006060606060606060
06010013202710506306110610610600606060606060060
1320600141010130600110060031250040060230021251123
06101250600230060031250040120230141041511471151103
145116216404011115614306103106027006003125004013
023020167167056144115114711511431145162164056143
15711550611040060360060031250040030230271041151147
1511031145162164040107154157142114115404012211571157
164040130110602020010020600150601105206110206
0367015001001000000032020010170000060202001012
0020200010010000342073341021162336250244323243127
25212024212701131672203112424255360223216226133001
01110403140012232471160602671123671103041151000127
23530421510423352070061000002010111316316033203277
3373150731161106342326146307005263166047026217173
236036225117535626711024301033232625711720140710006
1451711213503727402737025372763356050327164177172
170231131205150156134030621132771163003501321155
33431602771167202773740011366205331250104020130062
251165150303253212422761073320471152364232063370111
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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:a1:75:076317
# Not Valid Before: Fri Nov 10 00:00:00 2006
# Not Valid After : Mon Nov 10 00:00:00 2031

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE 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
# 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
# CKA_CLASS CK_OBJECT_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_SUBJECTMULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\125\123\061\025\060\023\006\003\125\004\012\023\014\014\151\147\151\103\145\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061\040\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\1\57\157\164\040\103\101\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\014\151\147\151\103\145\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023\020\167\167\056\144\151\147\151\143\145\162\164\056\143\157\155\061\040\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\1\57\157\164\040\103\101\END
# CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\010\073\340\126\220\102\106\261\124\1\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
\042\116\145\141\207\201\101\120\246\171\134\211\136\031\112\127
\325\056\346\135\034\123\054\176\230\135\032\006\026\244\150\163
\320\064\004\023\134\241\161\133\125\171\253\333\136\144\341\067
\207\060\126\004\345\021\264\051\200\002\226\117\107\121\024\002
\201\174\047\146\267\210\267\170\036\321\02\250\070\253\012\144
\302\027\146\135\225\204\301\241\104\050\362\071\135\032\120\013\040
\022\231\140\101\273\156\013\121\070\270\113\313\002\003\001\000\001
\243\143\060\141\060\16\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\003\125\035\016\004\026\004\024
\261\076\303\151\003\370\277\107\001\324\230\046\032\030\010\002\357
\143\144\053\03\060\037\070\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\300\060\015\006\01\105\206\110\106\367\015\001
\001\005\000\000\003\022\001\001\000\034\032\006\227\334\327\234
\237\074\210\146\006\010\127\041\133\041\107\370\052\147\252\277
\030\062\166\100\002\020\127\031\121\363\172\331\021\145\216\065\372
\236\374\105\265\236\333\111\140\061\113\270\022\235\010\035\054\216\263
\170\316\333\343\123\171\161\326\345\041\224\001\132\125\207\232
\044\144\366\212\146\314\336\234\067\315\250\064\262\151\153\043
\013\026\170\042\053\160\103\343\125\107\061\141\013\315\130\035
\205\057\116\060\366\240\061\026\043\103\347\342\145\026\063\313
\277\032\033\240\075\370\312\136\213\061\123\140\010\211\055\014
\006\013\122\226\730\047\101\123\030\121\025\137\237\022\276\174\046
\143\070\275\104\241\177\344\046\053\012\304\227\151\015\351\214
\342\300\020\127\270\310\166\022\221\125\362\110\151\133\024\052
\002\133\017\104\324\040\061\333\364\272\160\046\135\220\140\236
\274\113\270\111\057\264\313\036\103\150\311\070\047\301\322\134
\367\352\041\271\150\022\234\074\123\477\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 Certificate "DigiCert High Assurance EV Root CA"
# Issuer: CN=DigiCert High Assurance EV Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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\021\312\350\302 \103\061\253\146
END
CKA_CERT_MD5_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_ISSUER MULTILINE_OCTAL
\126\340\372\300\073\217\030\043\125\030\345\123\021\310\301\146
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\126\340\372\300\073\217\030\043\125\030\345\323\021\312\350\302 \103\061\253\146
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


```c
# 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 After : Sat Oct 25 08:30:35 2036

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SwissSign Gold CA - G2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\036\000\000\010\036\111\010\000\020\000\000\000\000\000\010\000\000\000\000\000\000\000\000\000\000\000

CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\036\000\000\010\036\111\010\000\020\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000

CKA_VALUE MULTILINE_OCTAL
\060\202\005\272\000\242\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000

END

CKA_ID UTF8 "0"

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\000\242\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000\000

END
```

END
CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE

# Trust for 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 After : Sat Oct 25 08:30:35 2036
CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
# 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 After: Sat Oct 25 08:32:46 2036

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\125\022\121\073\172\010\055\032\177\070\151\063\223
end
cka_issuer multiline_octal
\060\05\01\01\06\00\01\00\06\00\125\00\4\12\02\03\02\03\10\03\10\06\01
\025\06\00\02\125\00\4\12\02\03\01\4\12\16\15\15\16\13\12
\15\14\7\156\040\101\10\7\061\037\06\035\00\3\125\00\4\03\02
\026\12\16\7\15\15\16\13\12\15\14\7\156\040\10\7\15\15\4\144\04
\103\101\040\055\040\10\7\062
end
cka_serial_number multiline_octal
\002\011\000\273\100\034\103\365\136\117\260
end
cka_trust_server_auth CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
cka_trust_email_protection CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
cka_trust_code_signing CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
cka_trust_step_up_approved CK_BBOOL CK_FALSE
cka_class CK_OBJECT_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\01\03\060\011\00\06\00\03\125\00\4\06\02\23\02\10\3\11\06\01
\025\06\00\02\03\06\00\03\125\00\4\12\02\03\02\03\01\4\12\16\15\15\16\13\12
\15\14\7\156\040\101\10\7\061\04\10\6\037\06\00\03\125\00\4\03\02
\03\01\23\16\7\15\15\16\13\12\15\14\7\156\040\12\3\15\15\4\166\145
\162\040\103\10\040\055\040\107\062
end
# Trust for 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 After : Sat Oct 25 08:32:46 2036

CKA_CLASS CK_OBJECT_CLASS 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"

END

---

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<table>
<thead>
<tr>
<th>Certificate: &quot;SecureTrust CA&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issuer: CN=SecureTrust CA,O=SecureTrust Corporation,C=US</td>
</tr>
<tr>
<td>Subject: CN=SecureTrust CA,O=SecureTrust Corporation,C=US</td>
</tr>
<tr>
<td>Not Valid Before: Tue Nov 07 19:31:18 2006</td>
</tr>
<tr>
<td>Not Valid After: Mon Dec 31 19:40:55 2029</td>
</tr>
</tbody>
</table>

| CKA_CLASS CK_OBJECT_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 |
| CKA_ID UTF8 "0" |
| CKA_ISSUER MULTILINE_OCTAL |
| CKA_SERIAL_NUMBER MULTILINE_OCTAL |
| CKA_VALUE MULTILINE_OCTAL |
# Trust for Certificate "SecureTrust CA"
# Issuer: CN=SecureTrust CA,O=SecureTrust Corporation,C=US
# Subject: CN=SecureGlobal CA,O=SecureTrust Corporation,C=US

# Certificate "SecureGlobal CA"
# Issuer: CN=SecureGlobal CA,O=SecureTrust Corporation,C=US
# Subject: CN=SecureGlobal 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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Secure Global CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145
\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\031\060\027\006\003\125\004\003\023\020\123\145\143\165
\162\145\040\107\154\157\142\141\154\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\112\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\040\060\036\006\003\125\004\012\023\027\123\145\143\165\162\145
\124\162\165\163\164\040\103\157\162\160\157\162\141\164\151\157
\156\061\031\060\027\006\003\125\004\003\023\020\123\145\143\165
\162\145\040\107\154\157\142\141\154\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\000\07\126\042\244\350\324\212\211\115\136\023\310\360\370
\352\245
END
CKA_VALUE MULTILINE_OCTAL
\060\020\003\274\060\020\02\244\240\003\002\001\002\000\020\000
\126\042\244\350\324\212\211\115\136\023\310\360\370
\352\245
END

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3453

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "Secure Global CA"
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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: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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\146\061\277\236\367\117\236\266\311\325\246\014\272\152\276\321\367\275\357\173
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\134\110\334\367\102\162\155\034\124\161\065\200\165
END
CKA_ISSUER MULTILINE_OCTAL
\060\021\010\061\013\060\011\006\003\125\004\006\023\002\107\102\061\033\060\031\006\003\125\004\010\032\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\101\040\114\151\155\151\164\145\144\061\047\060\045\006
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
# Certificate "Network Solutions Certificate Authority"

# Issuer: CN=Network Solutions Certificate Authority,O=Network Solutions L.L.C.,C=US
# 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

CKA_CLASS CK_OBJECT_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
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_VALUE MULTILINE_OCTAL

END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_VALUE MULTILINE_OCTAL

END
# Trust for Certificate "Network Solutions Certificate Authority"
# Issuer: CN=Network Solutions Certificate Authority,O=Network Solutions L.L.C.,C=US
# 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

CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Network Solutions Certificate Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\164\370\243\303\357\347\263\220\006\113\203\220\074\041\144\140\040\345\337\316 END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\323\363\246\026\300\372\153\035\131\261\055\226\115\016\021\056 END

CKA_ISSUER MULTILINE_OCTAL
\060\142\061\103\060\011\006\003\125\004\006\023\022\125\123\061\041\060\037\006\003\125\004\012\023\030\116\145\164\167\157\162\153\040\123\157\154\165\164\151\157\156\163\040\114\056\114\056\103\056\061\060\060\056\006\003\125\004\003\023\047\116\145\164\167\157\162\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\226\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\030\0152\022 \313\056\136\141\131\256\050\323\176\032\264\146\221\046\137\074 \056\044\137\131\130\017\355\050\354\257\021\226\363\334\173\157 \300\247\210\362\123\167\263\140\136\256\256\050\332\065\041\157 \064\105\332\046\341\337\354\133\117\047\153\026\174\275\104\004 \030\020\263\211\171\027\020\161\075\172\242\026\116\365\001\315 \244\154\145\150\241\111\166\134\103\311\130\274\066\147\154\245 \224\242\65\324\14\271\275\152\065\126\001\136\330\033\353\373\313 \244\140\114\260\125\240\240\173\127\262 END

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

# Certificate "COMODO ECC Certification Authority"
# Issuer: CN=COMODO ECC Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB
# 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
CKA_CLASS CK_OBJECT_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\001\11\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\151\141\156\143\150\145\163\164\145\162\060\100\060
\125\004\007\023\007\123\141\154\146\157\162\144\061
\032\060\030\060\003\125\004\012\023\021\103\117\115\117\104\117
\140\013\010\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\105\103\103
\040\013\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"

# Issuer "COMODO ECC Certification Authority"
# 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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\037\107\257\252\142\000\160\120\124\114\001\236\233\143
Certificate "COMODO ECC Certification Authority"

Subject: CN=COMODO ECC Certification Authority, O=COMODO CA Limited, L=Salford, ST=Greater Manchester, C=GB


Certificate "OISTE WISeKey Global Root GA CA"

Subject: CN=OISTE WISeKey Global Root GA CA, OU=OISTE Foundation Endorsed, O=OISTE, C=CH


Certificate "OISTE WISeKey Global Root GA CA"

Subject: CN=OISTE WISeKey Global Root GA CA, OU=OISTE Foundation Endorsed, O=OISTE, C=CH


Certificate "OISTE WISeKey Global Root GA CA"

Subject: CN=OISTE WISeKey Global Root GA CA, OU=OISTE Foundation Endorsed, O=OISTE, C=CH


# Trust for 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
# 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
CKA_CLASS CK_OBJECT_CLASS 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\104\171\105\124\105\104\040\050\143\051\040\062\060\065\061\042\060\040\006\003\125\004\012\023\007\127\121\123\145\113
\145\171\061\033\060\031\111\124\013\023\221\103\157\160
\171\162\151\147\150\164\040\050\143\051\040\062\060\066\065\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040
\106\157\165\151\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_CERT_MD5_HASH MULTILINE_OCTAL
\131\042\241\341\132\352\026\063\247\351\132\146\143\124\025\162\033\041\122\223
END
CKA_ISSUER_MULTILINE_OCTAL
\060\201\121\061\103\060\011\110\060\003\125\004\006\023\002\103\110
\061\020\060\160\066\003\125\004\012\023\007\127\111\123\145\113
\145\171\061\033\060\031\111\124\013\023\221\103\157\160
\171\162\151\147\150\164\040\050\143\051\040\062\060\066\065\061
\042\060\040\006\003\125\004\013\023\031\117\111\123\124\105\040
\106\157\165\151\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
 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_TRUE

#
# 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 After: Tue Jun 29 15:13:05 2027
CKA_CLASS CK_OBJECT_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_CLASS_TYPE CK_Certificate_TYPE CKC_X_509
CKA_SUBJECT_MULTILINE_OCTAL
\002\011\000\376\334\343\001\017\311\110\377
\022\060\020\000\003\125\004\006\023\002\106\122\061
\010\140\011\104\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END

CKA_ID UTF8 "0"
CKA_ISSUER_MULTILINE_OCTAL
\002\060\040\061\013\060\001\100\060\003\125\004\006\023\002\106\122\061
\022\060\020\000\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END

CKA_SERIAL_NUMBER_MULTILINE_OCTAL
\002\020\111\000\376\133\343\001\017\311\110\377
END

CKA_VALUE_MULTILINE_OCTAL
\002\020\003\250\060\020\000\003\002\001\002\002\101\100
\376\334\343\001\017\311\110\377\060\015\006\011\052\2006\110\206
\367\015\001\019\005\005\000\006\064\061\013\060\011\006\003\125
\004\006\023\002\106\122\061\022\060\020\000\003\125\004\012\014
\101\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

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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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

END
CKA_CERT_MD5_HASH MULTILINE_OCTAL

END
CKA_ISSUER MULTILINE_OCTAL

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL

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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ePKI Root Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
06013606010130600111006003011250040060230021124127601
04306004010000311250040120140321031150165156147150
167141040012414515414514311571550401031157056054040
114164144056061052060050060031125004013014041145
120113111104012215711571640401031451621641151146151
14314116411171571600401011651641501571621151164171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
06013606010130600111006003011250040060230021124127601
04306004010000311250040120140321031150165156147150
167141040012414515414514311571550401031157056054040
114164144056061052060050060031125004013014041145
120113111104012215711571640401031451621641151146151
14314116411171571600401011651641501571621151164171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
00202020253102751451107113425712702270005136344006322
274235060
END
CKA_VALUE MULTILINE_OCTAL
06020200252600600202000323024000300200102002020025
310275145107113425712702270005136344006322274235060
0150060110522061102063670150000010005000000000136
06110306011100600311250040060230021124127601043060
041006000311250040120140321031150165156147150
140012414515414514311571550401031157056054040114164
144056061052060050060031125004013014041145120113
111104012215711571640401031451621641151146151143141
1641511571600401011651641501571621151164171060036
02701506064061062062060060602366061062067132027
015063064061062062060060620636061062067132006136
06110306001100600311250040060230021124127601043060
041006000311250040120140321031150165156147150
140012414515414514311571550401031157056054040114164
144056061052060050060031125004013014041145120113
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
OPEN SOURCE USED IN CROSSWORK CHANGE AUTOMATION AND HEALTH INSIGHT 4.3.0

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\033\056\000\312\046\006\220\075\255\376\157\025\150\167\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\114\164\144\156\161\145\040\122\157\157\164\040\103\157\161\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
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\140\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\156\161\145\040\122\157\157\164\040\103\157\161\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
END

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

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

#
# Certificate "certSIGN ROOT CA"
#
# Issuer: OU=certSIGN ROOT CA,O=certSIGN,C=RO
# Serial Number: 20:06:05:16:70:02
# Subject: OU=certSIGN ROOT CA,O=certSIGN,C=RO
# Not Valid Before: Tue Jul 04 17:20:04 2006
# Not Valid After: Fri Jul 04 17:20:04 2031
CKA_CLASS CK_OBJECT_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\136\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\021\060\017\060\003\125\004\012\023\010\143\145\162\164\123\111
\107\160\013\060\027\060\003\125\004\013\023\020\143\145\162
\164\123\111\107\160\040\122\117\117\124\040\103\101
END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\136\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\227\143\162\120\325\125\317\372\040\223\002\242\233\303\043\223
\116\026\125\166\240\160\171\155\151\040\103\371\057\055\274\031
\343\210\061\370\131\032\201\011\310\227\246\164\030\140\030\013
\314\127\126\162\165\375\033\002\011\133\311\157\162\223\151\036
\061\101\332\62\100\070\277\207\262\275\026\161\137\125\344\276\210
\045\353\141\047\043\034\265\061\007\004\066\264\032\220\275\240
\164\161\120\111\155\274\024\343\017\206\256\031\253\076\307\240
\011\134\243\110\321\340\333\144\347\222\265\137\127\162\103\160
\121\373\130\320\047\042\325\176\222\323\127\123\223\372\160\032
\221\016\061\137\123\147\135\351\226\070\136\137\263\163\116\210
\025\147\336\236\166\020\142\040\267\125\151\225\103\000\071\115
\366\356\260\132\116\111\104\124\130\137\102\203
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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

CKA_CLASS CK_OBJECT_CLASS 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
\137\267\356\066\227\046\142\137\305\260\052\366\277\003\375\350
\174\113\057\233
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\030\230\300\036\351\072\374\371\260\035\014\367\113\001\104\027
END

CKA_ISSUER MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123\111
\107\116\061\031\060\027\006\003\125\004\013\023\020\143\145\162
\164\123\111\07\116\040\122\117\117\124\040\103\101
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\006\040\006\005\026\160\002
END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# Certificate "NetLock Arany (Class Gold) Ftanstvny"

# 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

END
### Trust for Certificate "NetLock Arany (Class Gold) Ftnanstvny"

# 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

# Not Valid Before: Thu Dec 11 15:08:21 2008

# Not Valid After : Wed Dec 06 15:08:21 2028


CKA_CLASS CK_OBJECT_CLASS 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) Ftnanstvny"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
0060103060022000600301250350230010013770004010060006
001001037700201001406001060060030125035017000100001377
00400403002001006006003500600301250350160040260004
0243143271427223360026602703202453000363631232375214
123337203033272260600105060011052206110206367015001
00101300500000320200100100025301773560340262512348
10741121000240300002101000524723133461570011210124141
156361271030255112252537620100043224057373165174
05705011131420444201220201363514243160134156270141070
13532011321422410731321423232241453043413461555020
13700570451602620410463016212103721405303204220
13031132121722731736424714524535323032113730053262106
16502504311521572051430600200360325236037051034302
154260120111315220113030732500150600317277175177316
361235203027531110615060402463711141121272041057173
276124502511432411324225020736123627113632111363075205
270270133327626527105137113320670220001411224003204
10434727710306113171652130453321364246144365222366
2530053530759351245013066142332314006137066213266
13690612700523731363661611337104046236304346015221
264905616512255200121152113060246626014224122361233
330316304143165077131107261

END

CKA_NSS_Mozilla_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
Opening a new file...

```
\356\230\250\227\266\056\266\147\047\324\246\111\137\034\223\145
\166\236\102\057\334\042\154\232\132\025\071\261\161\1327
\053\121\350\155\034\230\300\331\052\364\241\120\217\332\253\111\101
\124\204\030\164\070\125\213\017\271\056\147\242\204\006\0467\323
\124\013\332\230\270\041\340\217\227\171\064\157\204\110\002\204\0063
\033\346\064\104\237\221\160\364\200\136\204\103\302\051\322\154
\022\204\344\141\215\254\020\220\236\204\120\273\360\226\157\105
\123\72\213\363\121\154\117\372\021\072\025\025\106\303\315\037\203
\133\055\110\012\235\55\120\147\101\012\230\75\041\253\224\122\122\252\116
\174\301\261\373\247\326\265\047\057\227\253\156\340\035\342\321
\034\054\037\104\342\374\276\221\124\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 Certificate "Hongkong Post Root CA 1"
# Issuer: CN=Hongkong Post Root CA 1,O=Hongkong Post,C=HK
# Serial Number: 1000 (0x3e8)
# Not Valid Before: Thu May 15 05:13:14 2003
# Not Valid After : Mon May 15 04:52:29 2023

# Certificate
```

```
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SecureSign RootCA11"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\073\304\237\110\370\363\163\240\234\036\275\370\133\261\303\145\307\330\021\263
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\267\122\164\342\222\264\200\223\362\165\344\314\327\362\352\046
END
CKA_ISSUER MULTILINE_OCTAL
\060\130\061\013\060\006\003\125\004\012\023\042\112\141\160\141\156\040\103\145\162\166\151\143\141\164\151\157\156\040\123\145\162\166\151\143\145\163\054\040\111\156\143\135\156\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
# Trust for 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: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
CKA_CLASS CK_OBJECT_CLASS 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_MD5_HASH MULTILINE_OCTAL
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root CA - R3"
CKA_CERTIFICATE_TYPE CK_Certificate_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\114\061\040\060\036\006\000\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\010\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\000\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\010\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\013\004\000\000\000\000\000\001\104\113\012\03\102\242
END

CKA_VALUE MULTILINE_OCTAL
\060\020\022\031\137\060\022\02\107\240\003\002\001\002\002\13\004
\100\000\000\000\014\113\012\02\242\060\01\15\006\01\105\22\06
\11\02\06\03\67\01\000\1\101\13\005\000\060\11\14\16\04\0\060\36\006
\003\12\00\04\01\13\02\23\02\7\15\4\15\14\2\141\15\4\12\15\15\15\147\156
\10\04\12\12\15\15\15\16\04\0\13\10\1\04\0\05\04\12\2\63\06\12\023\060
\02\1\006\003\1\2\004\01\2\23\01\107\15\4\15\14\1\141\15\4\12\3\151
\14\7\15\6\01\12\06\003\1\2\004\003\023\012\107\15\4\157
\14\2\1\141\15\12\3\151\147\15\6\06\03\027\015\06\07\1\06\063\061
\07\06\1\06\0\0\0\0\0\0\0\0\12\027\15\062\07\1\06\063\061\070
\06\1\06\0\0\0\0\0\0\0\13\2\06\01\14\06\1\04\060\36\006\003\0125
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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"
END

# Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"
# Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Serial Number:53:ec:3b:ee:fb:b2:48:5f
# Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Not Valid Before: Wed May 20 08:38:15 2009
# Not Valid After : Tue Dec 31 08:38:15 2030
CKA_CLASS CK_OBJECT_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
0601121061013060011006003112500400600230020105123061
10206010000000311250040030110711101165164157162151
114411440401441450401031451621641511461511431141
14315115715604010611511621551141160162157146145163
1511571561141154040103111106040101066062066063064
060606070 END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
0601121061013060011006003112500400600230020105123061
10206010000000311250040030110711101165164157162151
114411448401441450401031451621641511461511431141
1431511571560401061151162155141160162157146145163
1511571561141154040103111106040101066062066063064
060606070 END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
0601121061013060011006003112500400600230020105123061
10206010000000311250040030110711101165164157162151
114411448401441450401031451621641511461511431141
1431511571560401061151162155141160162157146145163
1511571561141154040103111106040101066062066063064
060606070 END
CKA_VALUE MULTILINE_OCTAL
0601121061013060011006003112500400600230020105123061
10206010000000311250040030110711101165164157162151
114411448401441450401031451621641511461511431141
1431511571560401061151162155141160162157146145163
1511571561141154040103111106040101066062066063064
060606070 END
# Trust for Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"
# Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Serial Number:53:ec:3b:ee:fb:b2:48:5f
# Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Not Valid Before: Wed May 20 08:38:15 2009
# Not Valid After : Tue Dec 31 08:38:15 2030

# CA
# CA_INVALID CN=Autoridad de Certificacion Firmaprofesional CIF A62634068
# CA_INVALID掴CA_MIN_VERSION 0.1
# CA_INVALID掴CA_MAX_VERSION 0.1
# CA_INVALID掴CA_POLICIES

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"
# Certificate "Izenpe.com"

# Issuer: CN=Izenpe.com, O=IZENPE S.A., C=ES
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Izenpe.com"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\070\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\024\060\022\006\003\125\004\012\014\013\111\132\105\116\120\010
\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\010
\040\123\056\101\056\061\023\060\021\006\003\125\004\003\014\012

END
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3497

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "Izenpe.com"
# Issuer: CN=Izenpe.com,O=IZENPE S.A.,C=ES
# 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
CKA_CLASS CK_OBJECT_CLASS 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\243\071\220\057\125\147\163
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\246\260\315\205\200\332\134\120\064\243\071\220\057\125\147\163
END

CKA_ISSUER MULTILINE_OCTAL
\060\070\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\024\060\022\006\003\125\004\012\014\013\111\132\105\116\120\105
\040\123\056\101\056\061\023\060\021\006\003\125\004\003\014\012
\111\172\145\156\160\145\056\143\157\155
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\000\260\267\132\026\110\137\277\341\133\365\213\327\031
\346\175
END

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

#
# Certificate "Chambers of Commerce Root - 2008"

# Issuer: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid (see current address at www.camerfirma.com/address),C=EU

# Serial Number:00:a3:da:42:7e:a4:b1:ae:da

# Subject: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid (see current address at www.camerfirma.com/address),C=EU

# Not Valid Before: Fri Aug 01 12:29:50 2008

# Not Valid After : Sat Jul 31 12:29:50 2038


CKA_CLASS CK_OBJECT_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
06020125606101306000110060003125000400600230021051125
061103060011010006000312500040070023072111514111441621151
14404005016311451145040143116516216145156164040141
144040051631163040141116404016711671671670561431141
1551145162146115116215511410561431157155105714111441441
162124163116305106110220600200060031250040005023011
101070062067064063062070067061103306003100600031125
00401203201221011030401031141155114516214611511621551
141104012305610105606110510600470060031250040003023
0401031150114115511421451162163040115714604010311571155
1551145162143114504012211571157164040055040062060060
070
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
06020125606101306000110060003125000400600230021051125
061103060011010006000312500040070023072111514111441621151
14404005016311451145040143116516216145156164040141
144040051631163040141116404016711671671670561431141
1551145162146115116215511410561431157155105714111441441
162124163116305106110220600200060031250040005023011
101070062067064063062070067061103306003100600031125
00401203201221011030401031141155114516214611511621551
141104012305610105606110510600470060031250040003023
0401031150114115511421451162163040115714604010311571155
1551145162143114504012211571157164040055040062060060
070
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
0020110000243332102176244261256332
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3499
# Trust for Certificate "Chambers of Commerce Root - 2008"
# Issuer: CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,serialNumber=A82743287,L=Madrid
# 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
# Not Valid Before: Fri Aug 01 12:29:50 2008
# Not Valid After : Sat Jul 31 12:29:50 2038
CKA_CLASS CK_OBJECT_CLASS 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"

END
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Global Chambersign Root - 2008"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

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Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 3502
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3503
# Trust for 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Global Chambersign Root - 2008"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\112\275\356\354\225\015\065\234\211\256\307\122\241\054\133\051\366\326\252\014\END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\236\200\377\170\001\014\056\030\016\062\275\376\226\220\156\010\363 \END

CKA_ISSUER MULTILINE_OCTAL
\060\201\254\061\013\060\001\11\006\003\125\004\006\023\002\105\125 \061\103\060\010\060\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\033\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\010\040\103\141\155\145\162\146\151\162\155 \141\040\123\056\010\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\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\135\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

CKA_CLASS CK_OBJECT_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

06020120306101306001100600031250004006023002125123
061020060016060000312500040100230071101162151172157
156141061203060021006000312500040070230121123143157
16416416314414115414506103206003006003125004012
023021107157104141144144117100561143157155054040111
15614305606106106005700600312500040320501071157
0401041411441144117100401221157157164040103145162164
151146151143141164145040101165164150157162151164
171040055040107062
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

06020120306101306001100600031250004006023002125123
061020060016060000312500040100230071101162151172157
156141061203060021006000312500040070230121123143157
16416416314414115414506103206003006003125004012
023021107157104141144144117100561143157155054040111
15614305606106106005700600312500040320501071157
0401041411441144117100401221157157164040103145162164
151146151143141164145040101165164150157162151164
171040055040107062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

06020120306101306001100600031250004006023002125123
061020060016060000312500040100230071101162151172157
156141061203060021006000312500040070230121123143157
16416416314414115414506103206003006003125004012
023021107157104141144144117100561143157155054040111
15614305606106106005700600312500040320501071157
0401041411441144117100401221157157164040103145162164
151146151143141164145040101165164150157162151164
171040055040107062
END

CKA_VALUE MULTILINE_OCTAL

06020120306101306001100600031250004006023002125123
061020060016060000312500040100230071101162151172157
156141061203060021006000312500040070230121123143157
16416416314414115414506103206003006003125004012
023021107157104141144144117100561143157155054040111
15614305606106106005700600312500040320501071157
0401041411441144117100401221157157164040103145162164
151146151143141164145040101165164150157162151164
171040055040107062
END

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3507
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3509

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Go Daddy Root Certificate Authority - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\107\276\253\311\042\352\350\016\170\170\064\142\247\237\105\302
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\200\072\274\042\301\346\373\215\233\073\047\112\062\033\232\001
CKA_ISSUER MULTILINE_OCTAL
\060\201\203\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\202\060\006\203\003\125\004\010\023\007\101\162\151\157
\156\141\061\023\206\002\100\003\125\004\007\023\123\143\157
\164\164\163\144\141\154\145\061\103\206\003\125\004\012
\023\023\101\175\150\141\144\141\171\056\143\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\141\171\040\122\157\157\164\040\033\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
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\217\061\013\060\001\11\006\003\125\004\006\023\002\125\123 \\061\200\060\016\006\003\125\004\010\023\007\101\162\151\172\157 \\156\141\023\023\023\016\003\125\004\007\023\012\123\134\157 \\164\161\163\144\141\154\145\061\104\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\060\003\125\004\003\023\051\123\164\141\162\146\151\145 \\154\144\040\122\157\157\164\040\103\145\162\164\151\146\151\143 \\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040 \\107\062 END
CKA_LABEL UTF8 "Starfield Root Certificate Authority - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\217\061\013\060\001\11\006\003\125\004\006\023\002\125\123 \\061\200\060\016\006\003\125\004\010\023\007\101\162\151\172\157 \\156\141\023\023\023\016\003\125\004\007\023\012\123\134\157 \\164\161\163\144\141\154\145\061\104\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\060\003\125\004\003\023\051\123\164\141\162\146\151\145 \\154\144\040\122\157\157\164\040\103\145\162\164\151\146\151\143 \\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040 \\107\062 END
# Trust for Certificate "Starfield Root Certificate Authority - G2"
# 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
CAKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CAKA_TOKEN CK_BBOOL CK_TRUE
CAKA_PRIVATE CK_BBOOL CK_FALSE
CAKA_MODIFIABLE CK_BBOOL CK_FALSE
CAKA_LABEL UTF8 "Starfield Root Certificate Authority - G2"
CAKA_CERT_SHA1_HASH MULTILINE_OCTAL
\265\034\006\174\035\053\014\075\370\125\253\055\222\364\037\012
END
CAKA_CERT_MD5_HASH MULTILINE_OCTAL
\326\071\201\306\122\176\151\066\014\075\370\125\253\055\222\364\037\012
END
CAKA_ISSUER MULTILINE_OCTAL
\060\021\170\061\013\060\011\006\003\125\004\006\023\002\125\123
# 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

CKA_CLASS CK_OBJECT_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
CKA_SERIAL_NUMBER MULTILINE_OCTAL
002001000

END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Services Root Certificate Authority - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\222\132\217\215\054\155\004\340\146\137\131\152\377\042\330\143\350\045\157\077
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\027\065\164\257\173\141\034\353\364\371\074\342\356\100\371\242
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\230\061\013\060\011\006\003\125\004\006\023\002\125\123\106\102\060\016\006\003\125\004\010\023\007\101\162\151\172\157\156\141\061\023\060\021\006\003\125\004\007\023\012\123\143\157\164\164\163\144\141\154\145\061\045\060\043\006\003\125\004\012\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150\156\157\154\147\151\145\163\054\040\111\156\143\056\060\107\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\160\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
CKA_CLASS CK_OBJECT_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_CROSSWORK_CHANGE_AUTOMATION CPF_CROSSWORK_CHANGE_AUTOMATION
CKA_HEALTH_INSIGHT CPF_HEALTH_INSIGHT
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER 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


Class CK_OBJECT_CLASS CKO_CERTIFICATE

Token CK_BBOOL CK_TRUE

Private CK_BBOOL CK_FALSE

Modifiable CK_BBOOL CK_FALSE

Label UTF8 "AffirmTrust Networking"

Certificate Type CK_CERTIFICATE_TYPE CKC_X_509

Subject MULTILINE_OCTAL

Issuer MULTILINE_OCTAL

Serial Number MULTILINE_OCTAL

Is trusted CK_TRUE

Is private CK_FALSE

Is modifiable CK_FALSE

Label UTF8 "AffirmTrust Networking"

Certificate Type CK_CERTIFICATE_TYPE CKC_X_509

Subject MULTILINE_OCTAL

Issuer MULTILINE_OCTAL

Serial Number MULTILINE_OCTAL

Is trusted CK_TRUE

Is private CK_FALSE

Is modifiable CK_FALSE

Label UTF8 "AffirmTrust Networking"
# Trust for 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

CKA_CLASS CK_OBJECT_CLASS 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
\056\060\061\013\060\011\006\003\012\050\004\006\023\002\125\123\061\024\161\165\163\164\061\037\060\035\006\003\125\004\003\014\026\010\146\146\151\162\155\124\162\165\163\164\040\116\145\164\167\157\162\153\151\156\147\END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\102\145\312\276\001\232\232\114\251\124\101\11\131\000\325\177\END

CKA_ISSUER MULTILINE_OCTAL
\060\010\061\013\060\001\100\006\003\125\004\006\023\002\125\123\061\024\060\022\006\003\125\004\012\140\131\101\146\146\151\162\155\124\162\165\163\164\061\037\060\035\006\003\125\004\003\014\026\010\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\061\174\117\004\071\034\324\231\055

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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AffirmTrust Premium"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\101\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\034\060\032\006\003\125\004\003\014\023
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\101\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\034\060\032\006\003\125\004\003\014\023
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\155\214\024\106\261\1246\012\356

CKA_VALUE MULTILINE_OCTAL
\060\020\005\106\060\022\003\056\240\003\002\001\002\002\010\155
\214\024\106\261\1246\012\356\060\015\006\011\052\206\110\206\367
\015\001\001\014\005\000\060\010\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\151\155\155\060\036\027\015\056\106\060
\061\062\027\061\064\060\060\060\066\132\027\015\056\060\061\062
\063\061\064\060\060\063\066\132\060\010\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\151\155\155\060\202\002\042
\77\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\230\042\260\375\140\320
\060\244\216\310\004\142\251\304\355\065\336\172\227\355\016\070
\136\222\057\223\160\245\251\234\157\247\175\023\035\176\306\010
\110\261\136\147\353\121\101\045\351\346\045\153\122\051\121\234
\322\071\163\010\127\336\231\006\264\133\235\020\006\341\302\000
\250\020\034\112\002\012\024\320\031\101\131\373\121\046\032\000
\20\20\070\362\251\124\221\031\065\223\244\155\152\072\305\262\320
\27\32\112\060\223\350\233\311\107\072\247\172\270\241\360\170\106
\37\32\067\057\45\212\041\363\337\376\600\043\331\124\150\240\057
\044\342\011\225\006\325\225\312\341\044\236\353\174\366\223\005
\27\33\355\163\351\055\321\165\071\327\347\044\333\300\116\137\103
\21\17\23\36\320\024\071\127\125\160\110\231\127\061\264\234\356\112
\23\000\32\226\060\037\140\006\036\356\033\043\376\201\140\043\032\107
\14\220\245\314\031\064\200\157\263\254\032\343\327\360\173\110
\25\032\001\133\147\266\251\162\223\352\055\146\265\262\270\344
\07\50\074\262\357\114\142\352\353\007\277\253\065\232\125\206\274
\03\024\265\250\013\62\240\023\154\153\151\100\323\237\334\361\130
\15\15\15\15\15\371\134\155\011\364\361\252\120\166\012\172\175\172\027
\24\112\226\102\231\061\011\135\341\021\215\005\060\176\346\216
\10\63\231\235\024\332\037\027\344\005\226\214\304\044\265\033\117
\02\40\071\262\100\370\243\236\101\120\267\240\043\320\153\226\310\052
\20\00\64\375\277\357\006\243\335\130\305\205\075\076\217\173\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 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AffirmTrust Premium"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\330\246\063\054\340\000\157\261\205\366\143\117\175\152\006\145
\046\062\050\047
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\040\135\016\110\266\254\050\060\116\012\274\371\070\026\207\127
# 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

CKA_CLASS CK_OBJECT_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

END

CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\060\001\11\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\060\003\125\004\003\014\023
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155

END

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

END

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# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AffirmTrust Premium ECC"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\270\043\153\000\057\035\026\206\123\001\125\154\021\244\067\312
\353\377\303\273
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\144\260\011\125\317\261\125\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
\124\260\022\006\003\125\004\012\014\013\101\146\146\151\162\155
\124\162\165\163\164\061\040\060\036\006\003\125\004\003\014\027
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155\040\105\103\103
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\164\227\045\212\307\077\172\124
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "Certum Trusted Network CA"
#
# Issuer: CN=Certum Trusted Network CA,OU=Certum Certification Authority,O=Unizeto Technologies S.A.,C=PL
# Serial Number: 279744 (0x444c0)
# Subject: CN=Certum Trusted Network CA,OU=Certum Certification Authority,O=Unizeto Technologies S.A.,C=PL
# Not Valid After : Mon Dec 31 12:07:37 2029
CKA_CLASS CK_OBJECT_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
\002\010\164\227\045\212\307\077\172\124
END

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\370\327\151\127\241\v030\071\135\152\144\171\1306\001\131\254\074
\0611\1207\014\322\004\322\113\050\350\040\137\073\007\242\314
\1151\6333\363\256\117\307\126\325\132\247\220\211\372\363\325
\1503\240\043\200\131\047\317\110\047\274\254\156\162\203\034\060
\1623\373\340\242\351\122\344\164\165\031\127\052\236\173\025\124
\004\332\327\103\071\255\125\050\305\342\032\273\364\300\344\3256
\0701\111\063\141\166\205\023\270\071\105\322\244\236\362\022\214\121
\3701\74\344\055\177\365\254\137\353\026\237\261\055\321\272\314
\221\102\167\114\045\311\122\070\157\333\360\314\137\231\160\036\227
\131\076\325\140\116\346\005\050\355\111\171\023\113\272\110\333
\0573\71\162\233\071\323\376\037\330\064\162\365\264\100\317\061
\001\033\354\336\021\115\027\342\376\037\330\064\162\265\100\317\061
\001\033\354\336\021\115\027\342\376\037\330\064\162\265\100\317\061
\133\600\076\050\303\12\120\225\373\247\124\313\124\206\120\105\251
\371\111\002\003\000\100\000\124\310\206\010\010\006\017\006\003\0125
\0350\23\001\001\137\77\004\040\050\060\003\000\101\137\77\060\035\006\003
\1250\35\016\004\026\004\024\010\166\315\313\007\377\044\036\035\006
\315\355\273\220\274\342\204\067\106\165\367\060\016\006\003\0125
\0350\17\001\001\137\77\004\040\040\030\020\011\006\001\015\006\011\052
\2060\110\206\367\015\001\001\005\005\000\000\032\020\001\010\000\0246
\250\025\55\042\316\000\010\75\246\243\377\142\320\110\235\213\136\162
\2601\07\104\334\333\034\342\070\113\375\043\110\372\275\052\304\271
\1250\04\265\020\243\215\050\47\336\013\202\143\320\356\336\014\067
\1711\011\330\142\262\260\232\101\134\246\160\340\324\320\167\313
\0433\223\000\340\154\126\057\341\151\015\151\331\252\277\041\201
\1203\311\006\245\250\037\77\225\067\320\252\376\342\263\356\231\055
\1052\04\212\345\102\011\132\71\164\002\057\367\211\130\231\351\1274
\0473\24\102\157\215\272\015\106\034\167\317\024\244\034\271\244\061
\3040\23\050\014\164\003\030\064\377\063\031\046\245\351\101\156\267\076
\2273\061\166\350\047\226\243\146\335\341\125\362\101\133\122\230
\1262\031\163\160\344\206\032\032\220\061\111\272\057\276\055\023\132
\1661\157\113\350\116\201\101\167\71\133\030\042\240\022\227\146\130
\021\112\331\003\304\264\052\052\055\226\027\340\071\112\247\4110
\3231\660\047\235\232\055\006\246\311\354\071\322\253\333\237\232
\0103\47\002\065\051\261\110\025\347\371\135\023\412\251\010\031\1106
\1326\267\064\365\176\316\071\232\331\070\361\121\136\117\054
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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 After : Mon Dec 31 12:07:37 2029

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CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Network CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\007\340\062\340\040\267\054\077\031\057\006\050\242\131\072\031
\247\017\006\0236
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\325\351\201\100\305\030\151\137\141\106\054\211\165\142\017\252\170
END
CKA_ISSUER MULTILINE_OCTAL
\060\176\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\042\060\040\000\003\013\056\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\031\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\012\050\003\023\031\033\045\162\164\165\155\040\124\162
\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\004\104\300
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "TWCA Root Certification Authority"
#
# Issuer: CN=TWCA Root Certification Authority,OU=Root CA,O=TAIWAN-CA,C=TW
# Serial Number: 1 (0x1)
# Subject: CN=TWCA Root Certification Authority,OU=Root CA,O=TAIWAN-CA,C=TW
# Not Valid After : Tue Dec 31 15:59:59 2030
CKA_CLASS CK_OBJECT_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
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "TWCA Root Certification Authority"
# Issuer: CN=TWCA Root Certification Authority,OU=Root CA,O=TAIWAN-CA,C=TW
# Serial Number: 1 (0x1)

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TWCA Root Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\317\236\207\155\323\353\374\102\046\227\243\265\243\172\240\166
\251\006\043\110
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\252\010\217\366\371\173\267\362\261\247\036\233\352\352\275\171
END
CKA_ISSUER MULTILINE_OCTAL
\060\137\061\130\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\140\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\17\103\101\040\122\157\157\164\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "Explicitly Distrust DigiNotar Root CA"
#
# Issuer: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Serial Number:0f:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff
# Subject: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Not Valid Before: Fri Jul 27 17:19:37 2007
# Not Valid After : Mon Mar 31 18:19:22 2025
CKA_CLASS CK_OBJECT_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\130\060\011\006\003\125\004\006\023\002\116\114\061
\022\060\020\006\003\125\004\012\23\011\104\151\147\151\161\157
\164\141\162\061\032\060\030\006\003\125\004\003\023\021\104\151
\147\151\116\157\164\141\162\040\122\157\157\164\040\103\101\061
\040\060\036\006\011\052\206\110\206\367\015\001\011\001\026\021
\151\156\146\157\100\144\151\147\151\156\157\164\141\162\056\156
# Trust for Certificate "Explicitly Distrust DigiNotar Root CA"

# Issuer: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Serial Number: 0f:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff
# Subject: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Not Valid Before: Fri Jul 27 17:19:37 2007
# Not Valid After: Mon Mar 31 18:19:22 2025


CKA_CLASS CK_OBJECT_CLASS 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
\162\273\342\010\066\257\043\057\142\345\312\001\323\160\333\174
\202\043\054\026\060\01\014\030\060\00\007\220\172\261\037\147\130\304
\073\130\131\121\260\214\214\120\263\330\063\131\150\243\304\012
\347\151\113\040\036\166\113\122\251\043\150\330\060\330
\303\353\260\125\121\131\345\375\053\270\365\273\021\237\123\124
\366\064\031\124\171\101\106\331\124\140\027\045\027\013\202\230\0163
\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\127\035\305\337\204\301\267\353

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\012\244\325\314\272\26\237\243\131\343\346\001\1335\123\331\116

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\014\151\147\151\116\157
\164\141\162\061\032\060\003\006\031\125\004\003\023\021\104\151
\147\151\116\157\164\141\162\040\122\157\157\164\040\013\010\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\017\377\377\377\377\377\377\377\377\377\377\377\377
\377\377

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "Explicitly Distrusted DigiNotar PKIoverheid G2"
#
# Issuer: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Serial Number: 268435455 (0xffffffff)
# Subject: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Not Valid Before: Wed May 12 08:51:39 2010
# Not Valid After: Mon Mar 23 09:50:05 2020
CKA_CLASS CK_OBJECT_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 Distrusted DigiNotar PKIoverheid G2"
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
\027\060\025\006\003\125\004\012\140\161\141\151\116\115
\164\141\162\040\102\056\126\061\062\060\060\060\060\063\125\004
\003\014\051\104\151\147\151\116\157\164\141\162\040\120\113\111
\157\166\145\162\150\145\151\144\040\103\101\040\117\162\147\141
\156\151\163\141\164\151\145\040\055\040\107\062
END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\027\060\025\006\003\125\004\012\140\161\141\151\116\115
\164\141\162\040\102\056\126\061\062\060\060\060\060\063\125\004
\003\014\051\104\151\147\151\116\157\164\141\162\040\120\113\111
\157\166\145\162\150\145\151\144\040\103\101\040\117\162\147\141
\156\151\163\141\164\151\145\040\055\040\107\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\017\377\377\377

END

CKA_VALUE MULTILINE_OCTAL
\060\202\006\225\060\202\004\175\240\003\002\001\002\002\004\017
\377\377\377\60\015\060\011\052\206\110\206\367\015\001\001\013
\005\000\006\013\206\011\010\063\015\001\001\013
\114\061\012\027\060\202\005\060\003\125\004\012\140\161\141\151\116\157
\116\157\164\141\162\040\102\056\126\056\061\062\060\060\060\003
\125\004\003\014\051\104\151\147\151\116\157\164\141\162\040\120\113\111
\147\141\156\151\163\141\164\151\145\040\055\040\107\062
\027\015\061\060\060\065\061\062\060\070\065\061\063\071\132\027
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```
\244\363\116\272\067\230\173\202\271
END

# Trust for Certificate "Explicitly Distrusted DigiNotar PKIoverheid G2"
# Issuer: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Serial Number: 268435455 (0xffffffff)
# Subject: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Not Valid Before: Wed May 12 08:51:39 2010
# Not Valid After : Mon Mar 23 09:50:05 2020

CKA_CLASS CK_OBJECT_CLASS 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 Distrusted DigiNotar PKIoverheid G2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\325\362\127\251\277\055\320\077\213\106\127\371\053\311\244\306
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\056\141\242\321\170\316\356\277\131\063\260\043\024\017\224\034
END

CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\003\125\004\006\023\002\116\114\061
\027\060\025\006\003\125\004\012\014\016\104\151\147\151\161\157
\164\141\162\040\012\056\126\056\061\062\060\060\006\003\125\004
\003\014\051\104\151\147\151\116\157\164\141\162\040\120\113\111
\157\166\145\162\150\145\151\144\040\103\101\040\117\162\147\141
\156\151\163\141\164\151\145\040\055\040\107\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\017\377\377\377
END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED

# 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
```

CKA_CLASS CK_OBJECT_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

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

CKA_VALUE MULTILINE_OCTAL
END

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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\031\031\303\163\064\271\307\164
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\154\071\175\244\016\125\131\262\077\326\101\261\022\120\336\103
END
CKA_ISSUER MULTILINE_OCTAL
\060\135\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\045\060\043\000\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\141\040\056\061\047\060\045\006\003\125\004\013\023
\036\123\145\143\165\162\151\164\171\040\103\157\155\155\165\156
\151\143\141\164\151\157\156\040\122\157\157\164\103\101\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "EC-ACC"

# Issuer: CN=EC-ACC,OU=Jerarquia Entitats de Certificacio Catalanes,OU=Vegeu https://www.catcert.net/verarrel (c)03,OU=Serveis Publics de Certificacio,O=Agencia Catalana de Certificacio (NIF Q-0801176-I),C=ES
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "EC-ACC"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
# Trust for 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


Subject: CN=EC-ACC,OU=Jerarquia Entitats de Certificacio Catalanes,OU=Vegeu
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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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "EC-ACC"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\050\220\072\143\133\122\200\372\346\167\114\013\155\247\326\272
\246\112\362\350
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\353\365\235\051\015\141\371\102\037\174\302\272\155\343\025\011
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\363\061\103\060\001\11\006\003\125\004\006\023\002\105\123
\061\107\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\144\145\040\103
\145\162\164\141\146\151\143\141\143\151\157\040\050\111\111\110
\040\121\055\060\070\060\066\106\106\067\066\055\11\051\061\050\060
\046\060\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\106\5\060\063\006\003\125\004\013
\023\054\126\145\147\145\165\040\150\164\161\063\072\057\057
\167\167\167\056\143\141\164\143\145\162\164\056\156\145\164\057
\166\154\161\142\162\162\145\154\040\50\143\051\060\063\061\065
\060\063\006\003\125\004\013\023\054\121\145\162\141\162\161\115
\151\141\040\103\156\156\151\154\141\154\164\163\040\144\145\040
\145\162\164\151\146\151\143\141\143\151\157\040\103\141\164\141
\154\151\146\156\163\061\107\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\133\6\024\250\142\254\004\363\35
\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 "Hellenic Academic and Research Institutions RootCA 2011"
# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR
# Not Valid Before: Tue Dec 06 13:49:52 2011
# Not Valid After : Mon Dec 01 13:49:52 2031
CKA_CLASS CK_OBJECT_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 2011"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\225\061\013\060\001\110\006\003\0125\004\006\023\002\107\122
\061\104\060\012\006\003\0125\004\012\023\073\110\145\154\154\145
\156\151\143\040\010\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\165\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\10\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\157\157\156\163\040\122\157\157
\164\103\101\040\062\060\061\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\225\061\103\060\011\006\003\125\004\006\023\002\107\122
\061\104\060\012\006\003\0125\004\012\023\073\110\145\154\154\145
\156\151\143\040\010\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\165\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\10\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\157\157\156\163\040\122\157\157
\164\103\101\040\062\060\061\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\061\103\060\011\006\003\125\004\006\023\002\107\122
\061\104\060\012\006\003\0125\004\012\023\073\110\145\154\154\145
\156\151\143\040\010\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\165\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\10\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\157\157\156\163\040\122\157\157
\164\103\101\040\062\060\061\061
END

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\067\102\112\116\034\067\036\215\146\272\302\044\201\117\022\017\067\036\215\146\272\044\201\311\117\022\017
\041\300\003\227\069\045\155\323\042\051\250\154\242\015\251
\353\075\006\133\231\072\230\073\314\430\232\064\177\253\016\310\116
\034\341\372\344\334\315\015\276\277\044\376\154\347\153\302\015
\310\006\236\116\215\141\050\246\152\375\345\366\142\352\030\074
\116\240\123\253\026\072\234\353\245\234\221\026\266\115\202\340
\014\005\110\251\154\365\314\370\313\235\111\264\360\002\245\375
\160\003\355\212\041\245\256\023\206\111\133\063\163\276\207\073
\164\213\027\105\046\221\212\033\376\147\175\315\115\143\147
\372\363\003\022\226\170\006\215\261\147\355\216\077\276\237\117
\002\365\263\011\057\363\114\207\337\052\231\222\174\001\131\4254
\066\172\277\242\163\172\367\217\310\265\232\224\102\242\262\217\063
\237\015\357\042\334\146\173\204\275\105\207\060\70\074\312\271
\167\064\217\312\352\317\077\061\107\343\210\343\200\111\045\310
\227\265\235\232\231\115\260\074\370\112\000\233\144\335\237\071
\113\321\047\327\270
END

# Trust for Certificate "Hellenic Academic and Research Institutions RootCA 2011"
# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research
# Institutions Cert. Authority,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research
# Institutions Cert. Authority,C=GR
# Not Valid Before: Tue Dec 06 13:49:52 2011
# Not Valid After : Mon Dec 01 13:49:52 2031

CKA_CLASS CK_OBJECT_CLASS 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 2011"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\376\105\145\233\171\003\133\230\241\141\265\121\056\254\332\130
\011\110\042\115
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\163\237\114\113\163\133\171\351\372\272\034\357\156\313\325\311
END

CKA_ISSUER MULTILINE_OCTAL
\060\201\225\061\103\060\011\006\003\125\004\006\023\002\107\122
\061\104\060\012\006\003\125\004\012\023\073\011\145\145\145\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

# Trust for Certificate "Hellenic Academic and Research Institutions RootCA 2011"
# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research
# Institutions Cert. Authority,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research
# Institutions Cert. Authority,C=GR
# Not Valid Before: Tue Dec 06 13:49:52 2011
# Not Valid After : Mon Dec 01 13:49:52 2031

CKA_CLASS CK_OBJECT_CLASS 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 2011"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\376\105\145\233\171\003\133\230\241\141\265\121\056\254\332\130
\011\110\042\115
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\163\237\114\113\163\133\171\351\372\272\034\357\156\313\325\311
END

CKA_ISSUER MULTILINE_OCTAL
\060\201\225\061\103\060\011\006\003\125\004\006\023\002\107\122
\061\104\060\012\006\003\125\004\012\023\073\011\145\145\145\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
# Explicitly Distrust "MITM subCA 1 issued by Trustwave", Bug 724929
# Issuer: E=ca@trustwave.com,CN="Trustwave Organization Issuing CA, Level 2",O="Trustwave Holdings, Inc.".L=Chicago,ST=Illinois,C=US
# Serial Number: 1800000005 (0x6b49d205)
# Not Before: Apr 7 15:37:15 2011 GMT
# Not After : Apr 4 15:37:15 2021 GMT

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "MITM subCA 1 issued by Trustwave"

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\153\111\322\005
END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Explicitly Distrust "MITM subCA 2 issued by Trustwave", Bug 724929
# 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

END

CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Buypass Class 2 Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\111\012\165\164\336\207\012\107\376\130\356\366\307\153\353\306
\013\022\100\231
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\106\247\322\376\105\373\144\132\250\131\220\233\170\104\233\051
END
CKA_ISSUER MULTILINE_OCTAL
\060\116\061\013\060\001\110\066\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\066\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\101\216\171\160\141\163
\040\013\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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Buypass Class 3 Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\116\061\013\060\001\110\066\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\066\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\101\216\171\160\141\163
\040\013\154\141\163\163\040\062\040\122\157\157\164\040\103\101
END
# Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3559
# Trust for "Buypass Class 3 Root CA"
# Issuer: CN=Buypass Class 3 Root CA,O=Buypass AS-983163327,C=NO
# Serial Number: 2 (0x2)
# Not Valid Before: Tue Oct 26 08:28:58 2010
# Not Valid After : Fri Oct 26 08:28:58 2040

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER 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 After : Sat Oct 01 23:59:59 2033
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "T-TeleSec GlobalRoot Class 3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040
\123\145\162\166\151\143\145\163\040\107\155\142\110\061\037\060
\035\006\003\125\004\013\014\026\124\055\123\171\163\164\145\155
\163\040\124\162\165\163\164\040\103\145\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\303\060\202\002\253\240\003\002\001\002\002\001\001
\060\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060
\201\202\006\013\060\001\110\006\003\125\004\006\023\002\104\105
\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\145\155\163\040\105\156\164\145\162\160\162\151\163\145\040\123
END
END

CKA_NSS_MOZILLA_CA_POLICY 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 After : Sat Oct 01 23:59:59 2033
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "T-TeleSec GlobalRoot Class 3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\125\246\162\076\313\362\354\315\303\043\164\160\031\235\052\276
\021\343\201\321
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\312\373\100\250\116\071\122\212\035\376\216\057\304\047\352\357
END

CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\13\060\01\100\00\00\125\00\00\00\02\03\23\10\01\05
\061\153\060\05\060\05\012\120\01\02\01\02\12\04\2\12\055\123\17\163
\164\145\155\163\04\010\15\164\145\162\160\162\151\163\145\04
\123\145\162\160\151\143\145\163\04\10\15\142\110\06\103\760
\035\00\00\03\125\00\04\013\01\026\12\055\123\17\163\164\145\155
\163\04\12\162\165\163\164\04\010\15\165\164\145\162\06\04\05
\06\04\13\00\03\125\00\04\014\034\12\055\124\145\154\145\123
\145\143\04\010\17\154\157\142\141\154\122\157\157\164\04\010\154
\141\163\163\04\0063
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001

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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3565
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

# Explicitly Distrust "TURKTRUST Mis-issued Intermediate CA 1", Bug 825022
# Issuer: O=RKTRUST Bilgi..leti.im ve Bili..im G..venli..i Hizmetleri A...,C=TR,CN=RKTRUST Elektronik Sunucu Sertifikas.., Hizmetleri
# Serial Number: 2087 (0x827)
# Subject: CN=*.EGO.GOV.TR,OU=EGO BILGI ISLEM,O=EGO,L=ANKARA,ST=ANKARA,C=TR
# Not Valid Before: Mon Aug 08 07:07:51 2011
# Not Valid After : Tue Jul 06 07:07:51 2021
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TURKTRUST Mis-issued Intermediate CA 1"
CKA_ISSUER MULTILINE_OCTAL
\060\201\254\061\075\060\006\003\125\004\003\014\006\124\303
\234\122\113\124\122\125\123\124\040\105\154\145\153\164\162\157
\156\151\153\040\123\165\165\153\143\165\040\123\145\156\162\151
\146\151\153\141\163\304\261\040\110\151\172\155\145\164\154\145
\162\151\066\101\130\060\11\006\003\125\004\006\023\002\124\122\061
\136\060\134\006\003\125\004\012\014\125\124\303\234\122\113\124
\122\125\123\124\040\102\151\154\147\151\040\304\260\154\145\164
\151\305\237\151\155\040\166\145\040\102\151\154\151\130\237\151
\155\040\107\303\274\166\145\156\154\151\304\237\151\040\110\151
\172\155\145\164\154\145\162\151\040\101\056\305\236\056\040\050
\143\051\040\113\141\163\304\261\155\040\040\062\060\060\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\002\010\047
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Explicitly Distrust "TURKTRUST Mis-issued Intermediate CA 2", Bug 825022
# Issuer: O=RKTRUST Bilgi..leti.im ve Bili..im G..venli..i Hizmetleri A...,C=TR,CN=RKTRUST Elektronik Sunucu Sertifikas.., Hizmetleri
# Serial Number: 2148 (0x864)
# Subject: E=ilet@kktcmerkezbankasi.org,CN=e-islem.kktcmerkezbankasi.org,O=KKTC Merkez Bankasi,L=Lefkosa,ST=Lefkosa,C=TR
# Not Valid Before: Mon Aug 08 07:07:51 2011
# 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

# 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
OPEN SOURCE USED IN CROSSWORK CHANGE AUTOMATION AND HEALTH INSIGHT 4.3.0

# Not Valid After: Mon Nov 05 08:50:46 2029

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST Root Class 3 CA 2 EV 2009"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\226\311\033\013\225\264\020\230\102\372\320\330\042\171\376\140\372\271\026\203\END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\252\306\103\054\136\055\315\040\064\300\120\117\021\002\117\266\END
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\013\060\016\003\125\004\012\014\014\023\002\104\105\061\025\060\023\060\003\125\004\012\140\041\040\055\124\162\165\163\164\040\107\155\142\110\061\052\060\050\006\003\125\004\003\014\041\040\055\124\122\125\123\124\040\122\157\157\164\040\103\154\141\163\163\040\063\040\013\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:b0:8:a: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
CKA_CLASS CK_OBJECT_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

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3573
# 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

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CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "CA Disig Root R2"
CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3576
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ACCVRAIZ1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\102\061\022\060\020\006\003\125\004\003\014\011\101\103\103
\126\122\101\111\132\061\066\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\101\104\004\101\103\126\061\101\060\011\006\003\125\004\006
\023\002\105\123
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\102\061\022\060\020\006\003\125\004\003\014\011\101\103\103
\126\122\101\111\132\061\066\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\101\104\100\04\101\103\126\061\101\060\011\006\003\125\004\006
\023\002\105\123
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\136\303\267\246\103\177\244\340
END

CKA_VALUE MULTILINE_OCTAL
\060\02\02\00\75\32\06\02\00\5\27\32\40\00\3\002\00\1\002\00\2\010\136
\03\26\46\01\37\72\44\34\06\01\5\006\01\5\2\20\06\10\20\063\67
\015\001\00\1\05\05\00\5\006\01\1\12\06\1\061\02\06\016
\006\003\125\004\013\14\00\7\120\133\111\11\103\103\126\061\105
\06\013\06\03\125\004\012\14\00\4\101\103\103\126\061\103\060
\101\106\00\03\125\004\006\02\3\02\01\15\123\06\03\03\27\015\061\1061
\06\065\06\065\06\07\1\063\067\063\067\13\02\01\15\063\060\061
\06\063\06\10\06\07\1\063\067\063\067\13\02\061\102\22\060\20

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Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 3577
END

# 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

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 3580

END

CKA_NSS_MOZILLA_CA_POLICY 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

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL

END

CKA_NSS_MOZILLA_CA_POLICY 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

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER 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 After : Tue Dec 31 15:59:59 2030

CKA_CLASS CK_OBJECT_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

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

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# 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 After : Tue Dec 31 15:59:59 2030
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TWCA Global Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\234\273\110\123\366\244\366\323\122\244\350\062\122\125\140\023\365\255\257\145
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\371\003\176\317\346\236\074\163\172\052\220\007\151\377\053\226
END
CKA_ISSUER MULTILINE_OCTAL
\060\121\060\130\060\011\006\003\125\004\006\023\002\124\127\061\022\060\020\000\003\125\004\012\023\011\124\101\111\127\101\116\055\013\101\061\120\060\016\006\003\125\004\013\023\007\122\157\157\164\124\127\03\101\040\107\154\157\142\141\154\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\002\014\276
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# # Certificate "TeliaSonera Root CA v1"
# # Issuer: CN=TeliaSonera Root CA v1,O=TeliaSonera
# 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
CKA_CLASS CK_OBJECT_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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  3585
# Trust for "TeliaSonera Root CA v1"
# Issuer: CN=TeliaSonera Root CA v1,O=TeliaSonera
# 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

CKA_CLASS CK/OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TeliaSonera Root CA v1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_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"


```
\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\134\105\321\375\043\147
\015\023\165\373\131\145\147\042\235\256\260\011\321\011\377\035
\064\277\376\043\227\067\322\071\372\075\015\006\013\264\333\073
\243\253\157\134\035\266\176\350\263\202\064\355\006\134\044
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "E-Tugra Certification Authority"
# Issuer: CN=E-Tugra Certification Authority,OU=E-Tugra Sertifikasyon Merkezi,O=E-Tu..ra EBG Bili..im Teknolojileri ve Hizmetleri A.....L=Ankara,C=TR
# Serial Number:6a:68:3c: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
CKA_CLASS CK_OBJECT_CLASS 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\322\074\134\240\015\155\243\142
\217\303\122\071
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\270\241\003\143\260\275\041\161\160\212\157\023\072\273\171\111
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\262\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\170\060\155\006\003\125\004\007\104\006\101\156\153\141\162
\141\061\100\060\076\060\003\125\004\012\014\067\105\055\124\165
\304\237\162\141\040\105\102\107\040\102\151\154\151\130\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\060\003\125\004\013\014\035\105\055
\124\165\147\162\141\040\123\145\162\164\151\146\151\153\141\163
\171\157\156\040\115\145\162\153\145\172\151\061\050\060\046\006
\003\125\004\003\014\037\105\055\124\165\147\162\141\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
```
# 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 After: Sat Oct 01 23:59:59 2033
# Fingerprint (MD5): 2B:9B:9E:E4:7B:6C:1F:00:72:1A:CC:C1:77:79:DF: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 "T-TeleSec GlobalRoot Class 2"
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\002\010\015\012\010\007\036\023\012\023\033\013\012
END
# Trust for "T-TeleSec GlobalRoot Class 2"
# Issuer: CN=T-TeleSec GlobalRoot Class 2,OU=T-Systems Trust Center,O=T-Systems Enterprise Services
# Serial Number: 1 (0x1)
# Subject: CN=T-TeleSec GlobalRoot Class 2,OU=T-Systems Trust Center,O=T-Systems Enterprise Services

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
# 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

CKA_CLASS CK_OBJECT_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
0035
0006
0033
1250
0040
0013
0140
0261
1240
0551
1231
1711
1631
1641
1451
1551
1630
0401
1241
1621
1651
1631
1640
0401
1031
1451
1561
1641
1451
1562
0610
0401
0003
1250
0040
0003
0140
0261
1240
0551
1231
1711
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1641
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1630
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1031
1541
1430
0401
1071
1541
1571
1421
1411
1541
1221
1571
1571
1640
0401
1031
1541
1411
1631
0401
062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
0020
0011
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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

# 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
## Trust Server Auth CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
## Trust Email Protection CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
## Trust Code Signing CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
## Trust Step Up Approved CK_BBOOL CK_FALSE
# Certificate "QuoVadis Root CA 1 G3"

# Issuer: CN=QuoVadis Root CA 1 G3,O=QuoVadis Limited,C=BM
# 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

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<tr>
<th>Attribute</th>
<th>Value</th>
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<td>CK_TRUE</td>
</tr>
<tr>
<td>CKA_PRIVATE</td>
<td>CK_FALSE</td>
</tr>
<tr>
<td>CKA_MODIFIABLE</td>
<td>CK_FALSE</td>
</tr>
<tr>
<td>CKA_LABEL</td>
<td>UTF8 &quot;QuoVadis Root CA 1 G3&quot;</td>
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<tr>
<td>CKA_CERTIFICATE_TYPE</td>
<td>CK_CERTIFICATE_TYPE CKC_X_509</td>
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<tr>
<td>CKA_SUBJECT</td>
<td>MULTILINE_OCTAL</td>
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<tr>
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# Trust for "QuoVadis Root CA 1 G3"
# Issuer: CN=QuoVadis Root CA 1 G3,O=QuoVadis Limited,C=BM
# 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

END

CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 1 G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL

033\216\352\127\226\051\032\311\071\352\270\012\201\032\163\163
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3601

# Certificate "QuoVadis Root CA 2 G3"
#
# Issuer: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# 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):

CKA_CLASS CK_OBJECT_CLASS CKC_X_509
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_SUBJECT MULTILINE_OCTAL
06011006011015000312500400023002102115061
0311060270060031250040120230201211165115711261141144
1511630400115115511511641451440611036060034060003
1250004003023025121116511571126114114411511630401221157
1571164040103101040061040107063

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
06011006011015000312500400023002102115061
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3602
# Trust for "QuoVadis Root CA 2 G3"
# Issuer: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 2 G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\011\074\141\363\213\213\334\175\125\070\002\005\000\341
\045\365\310\066

END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\257\014\206\156\277\100\055\177\013\076\022\120\272\022\075\006
END
CKA_ISSUER MULTILINE_OCTAL
\060\110\060\011\013\060\011\006\003\125\004\102\102\115\061
\031\060\027\006\003\125\004\102\102\123\020\121\165\157\126\141\144
\151\163\040\114\115\151\164\145\144\061\036\060\034\006\003
\125\004\003\102\020\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\121\123\065\162\316\270\053\073
\133\247\046\360\165\050
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "QuoVadis Root CA 3 G3"
#
# Issuer: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

END

CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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\034\071\006\347\060\155\047\226\346\244
\317\042\056\175
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\337\175\271\255\124\157\150\241\133\271\211\127\003\227\103\260\327
END
CKA_ISSUER MULTILINE_OCTAL
\060\100\061\103\060\011\006\003\125\004\006\023\002\102\115\061
\031\060\027\006\003\125\004\012\023\020\012\116\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\202\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
# 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
CKA_CLASS CK_OBJECT_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\103\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\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\040\042\006\003\125\004\033\023\033\104\151\147\151
\103\145\162\164\040\101\163\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\107\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\145\061\103\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\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3608
"377\004\004\003\002\001\206\060\035\006\003\125\035\016\004\026
\004\024\316\033\112\271\231\125\362\270\033\140\277\255\176\275
\126\265\227\066\247\326\060\015\006\001\105\206\061\120\063\367\015
\001\001\001\013\005\000\000\003\020\020\001\001\000\013\245\125\214\343\310
\101\156\151\104\247\165\021\357\074\206\066\157\132\235\036\0170
\070\035\151\122\242\222\151\056\070\015\042\333\175\004\324\211\12245
\261\061\067\212\311\041\314\253\154\315\213\034\232\326\277\110
\322\062\146\301\212\300\036\057\072\253\030\034\324\221\206\321
\120\034\003\033\163\167\157\112\071\123\355\336\046\030\265\175
\257\053\102\252\165\142\343\112\053\002\307\012\011\340\151\342
\226\154\016\104\146\020\010\147\255\055\353\370\171\154\246\033
\350\067\064\235\023\111\141\252\242\122\257\112\160\026\203\020
\072\310\261\023\160\066\330\317\356\364\012\064\235\133\114\375
\007\234\242\227\333\100\116\134\363\115\301\335\016\261\034\015
\304\143\276\255\364\024\373\211\354\242\210\016\161\143\134\310\127
\100\320\156\003\252\315\014\216\121\123\112\154\360\074\060\057
\070\037\157\274\243\276\051\040\047\253\164\377\023\042\170\033
\227\112\125\036\023\265\124\040\003\356\256\300\117\126\336\067
\314\030\177\252\004\047\273\323\167\270\142\333\027\174\234\050
\042\023\163\154\317\046\365\212\051\347
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "DigiCert Assured ID Root G2"
# Issuer: CN=DigiCert Assured ID Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
 CKA_PRIVATE CK_BBOOL CK_FALSE
 CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Assured ID Root G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\241\113\110\331\103\356\012\016\100\220\117\074\340\244\300\221
\223\121\135\077
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\222\070\271\370\143\044\202\145\054\127\063\346\376\021\217\235
END
CKA_ISSUER MULTILINE_OCTAL
\060\145\061\013\060\011\006\003\125\004\006\023\002\125\123\061
# Certificate "DigiCert Assured ID Root G3"

# Issuer: CN=DigiCert Assured ID Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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):

CKA_CLASS CK_OBJECT_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
025060023006003125004006023002125132061
02506002300600312500401202301401511471511031145
1621640400111116143061031060027006003125004013023
02016716716705614415114715114311451621640561431157
15506104020600312500400302303310411511471511031145
15311451621640401011161163165162145144040111104040
12215715711640401070063

END
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\013\241\132\372\035\337\240\265\111\104\257\315\044\240\154\354\060
\010\006\010\052\206\110\316\075\004\003\003\060\145\061\103\013\060
\011\006\003\125\004\006\023\002\125\013\061\025\006\023\006\003
\125\004\012\023\014\104\151\147\151\103\145\162\164\040\111\116
\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\104\040\004
\006\003\125\004\003\032\033\104\151\147\151\103\145\162\164\040
\101\1\163\161\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\013\202\071\156\063\070\060\061\065\061\062\060\060\060
\060\013\202\061\145\061\103\060\011\016\003\125\004\006\023\002\125
\123\061\025\060\023\060\031\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\020\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\061\166\060\020\006\007\052
\206\1\103\1\075\002\001\010\005\053\201\004\000\042\003\142\000
\004\038\137\274\254\104\145\355\315\270\077\130\037\321\152\127
\251\104\055\005\025\362\357\013\377\002\016\143\237\265\142\122\137
\146\176\037\345\334\303\105\171\013\313\436\123\012\235\215\135
\002\331\251\131\336\021\132\366\022\225\052\016\215\070\112\121\111
\306\274\306\003\070\007\137\125\332\176\011\156\342\177\136\320
\105\040\1\171\1\116\020\326\240\044\360\055\356\060\362\154\051
\071\1\43\1\02\060\100\060\017\006\003\125\035\023\001\001\137\004
\005\060\003\001\000\1\377\006\016\060\003\125\035\017\001\001\137
\004\000\003\002\001\1\206\060\035\005\060\125\035\016\004\026\004
\024\313\320\275\251\134\123\005\121\241\1\156\067\242\023\171\136
\125\035\052\234\440\060\012\006\010\052\206\110\316\075\004\003
\003\003\147\000\060\144\000\206\045\244\201\105\002\153\022\113
\165\164\117\310\043\334\160\036\162\165\233\167\211\136\03\172\221
\162\141\236\136\020\222\131\126\271\203\030\020\347\070\035\113\003
\046\066\175\325\344\064\206\071\002\060\174\066\123\360\060\345
\142\143\072\231\134\226\024\073\233\064\372\036\332\020\222\161
\136\221\023\247\335\244\156\222\149\062\326\365\041\146\030\057
\352\226\143\152\145\105\222\225\001\1264
END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3612
# 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):**
```
```

**Fingerprint (SHA1):**
```
```

**CLASS** CK_OBJECT_CLASS CKO_NSS_TRUST

**TOKEN** CK_BBOOL CK_TRUE

**PRIVATE** CK_BBOOL CK_FALSE

**MODIFIABLE** CK_BBOOL CK_FALSE

**LABEL UTF8** "DigiCert Assured ID Root G3"

**CERT_SHA1_HASH** MULTILINE_OCTAL
```
\365\027\242\117\232\110\306\311\370\242\000\046\237\334\017\110
```

**CERT_MD5_HASH** MULTILINE_OCTAL
```
\174\177\145\061\014\201\337\215\272\076\231\134\255\156\373
```

**ISSUER** MULTILINE_OCTAL
```
\060\145\061\013\060\001\100\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\233\014\104\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\144\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
```

**SERIAL_NUMBER** MULTILINE_OCTAL
```
\002\020\013\241\132\372\035\337\240\265\111\104\257\315\044\240
```

**TRUST_SERVER_AUTH** CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

**TRUST_EMAIL_PROTECTION** CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

**TRUST_CODE_SIGNING** CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

**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


**Subject:** CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US

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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3613
# Not Valid Before: Thu Aug 01 12:00:00 2013
# Not Valid After : Fri Jan 15 12:00:00 2038

# 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 "DigiCert Global Root G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_VALUE MULTILINE_OCTAL

END
# Trust for "DigiCert Global Root G2"
# Issuer: CN=DigiCert Global Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US
# 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):

# Certificate "DigiCert Global Root G3"
# Issuer: CN=DigiCert Global Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US
# 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):

Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "DigiCert Global Root G3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\141\061\013\060\011\006\000\031\125\004\000\023\002\012\5\123\061
\025\060\023\006\003\012\5\004\012\023\014\014\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\012\5\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\000\063\012\5\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\063

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\141\061\013\060\011\006\000\031\125\004\006\023\002\012\5\123\061
\025\060\023\006\003\012\5\004\012\023\014\014\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\012\5\004\013\023
\020\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\040\060\036\000\063\012\5\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\024\065\063\03\244\017\325\253
\015\162

END

CKA_VALUE MULTILINE_OCTAL
\060\202\002\077\060\020\001\305\240\003\003\02\003\02\003\02\020\005
\125\126\274\362\136\244\065\063\03\244\017\325\253\105\162\060
\012\006\010\005\206\113\316\075\04\003\003\060\141\061\103\060
\011\006\003\012\5\004\006\023\002\012\5\123\061\025\060\023\006\003
\125\004\012\023\014\04\151\147\151\103\145\162\164\040\111\156
\143\061\03\060\027\006\003\012\5\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
\02\015\063\070\060\061\061\062\060\060\060\060\060\132\027
\015\063\070\060\061\061\062\060\060\060\060\132\060\141
\061\103\060\011\006\003\012\5\004\006\023\002\012\5\123\061\025\060
\023\006\003\125\004\012\023\014\04\151\147\151\103\145\162\164
\040\111\156\143\061\03\060\027\006\003\125\004\013\023\020\0167
# Trust for "DigiCert Global Root G3"
# Issuer: CN=DigiCert Global Root G3,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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):
# Fingerprint (SHA1):
# Fingerprint (SHA-512):
# CKA_CLASS CK_OBJECT_CLASS 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
# CKA_CERT_MD5_HASH MULTILINE_OCTAL

END
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\014\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\002\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
\051\162
END

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

#
Certificate "DigiCert Trusted Root G4"
#
Issuer: CN=DigiCert Trusted Root G4,OU=www.digicert.com,O=DigiCert Inc,C=US
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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\125\123\061

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OPEN SOURCE USED IN CROSSWORK CHANGE AUTOMATION AND HEALTH INSIGHT 4.3.0

375\211\135\274\205\142\035\062\322\240\053\124\355\232\127\301
\333\372\020\317\031\267\213\112\033\217\001\266\047\225\123\350
\266\211\155\133\274\150\324\043\350\213\121\242\126\371\136\026
\200\240\326\036\263\274\017\017\123\165\051\252\352\023\167\344
\336\214\201\041\255\007\020\107\021\255\207\075\007\321\165\274
\317\363\146\176
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "DigiCert Trusted Root G4"
# Issuer: CN=DigiCert Trusted Root G4,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\170\362\374\252\140\037\057\264\353\311\067\272\123\056\165\111

CKA_ISSUER MULTILINE_OCTAL
\060\142\060\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\014\151\147\151\103\145
\162\164\040\011\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\005\233\033\127\236\216\041\062\342\071\007\275\247\167
\165\013

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_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 "COMODO RSA Certification Authority"

# Issuer: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "COMODO RSA Certification Authority"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\021\205\061\103\060\001\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\010\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\102\0060
\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\020\013\117\115\17\104\117
\040\013\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\201\205\061\103\060\011\006\003\125\004\006\023\002\107\102
\061\033\060\031\006\003\125\004\010\023\022\010\162\145\141\164
\145\162\040\115\141\156\143\150\145\163\164\145\162\061\102\0060
\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\020\013\117\115\17\104\117
\040\013\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\16\330\133\003
\206\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 "COMODO RSA Certification Authority"
# Issuer: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB
# 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):
# Fingerprint (SHA1):
CKA_CLASS CK_OBJECT_CLASS 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"

END

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\103\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\102\006
\016\006\003\125\004\000\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\104\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\042\103\117\115\117\104\117\040\122\123\101
\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101
\165\164\150\157\162\151\164\171
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\114\252\371\312\333\143\157\340\037\367\116\330\133\003
\206\235
END

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

#
# Certificate "USERTrust RSA Certification Authority"

# Issuer: CN=USERTrust RSA Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New Jersey,C=US
# 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):

CKA_CLASS CK_OBJECT_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_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\020\212\010\061\013\060\001\11\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\010\131\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\010\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\1243\121\125\033\274\144\016\065\003\055

END

CKA_VALUE MULTILINE_OCTAL
\060\020\000\013\175\155\060\374\243\1243\121\125\033\274\144\016\065\003\055

END
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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

END
# Trust for "USERTrust RSA Certification Authority"
# Issuer: CN=USERTrust RSA Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New Jersey,C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "USERTrust RSA Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\053\217\033\127\063\015\273\242\320\172\154\121\367\016\351\015
\332\271\255\216
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\033\376\151\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\010\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\010\143\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\010\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\010\143\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\037\243\312\121\125\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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "USERTrust ECC Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\105\103\103\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\210\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\112
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013
\112\145\162\163\145\171\040\103\151\164\171\061\036\060\034\006
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\122
\125\123\124\040\116\145\164\167\157\162\153\061\056\060\054\006
\003\125\004\003\023\045\125\123\105\122\124\162\165\163\164\040
\105\103\103\040\103\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\134\213\231\305\132\224\305\322\161\126\336\315\211\200
\314\046
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\217\060\020\002\025\240\003\002\001\002\002\020\134
\213\231\305\132\224\305\322\161\126\336\315\211\200\314\046\060
\012\006\010\052\206\110\316\075\004\003\003\060\201\210\006\013
\060\011\006\003\125\004\006\023\002\125\123\061\023\060\021\006

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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 "USERTrust ECC Certification Authority"
# Issuer: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New Jersey,C=US
# Subject: CN=USERTrust ECC Certification Authority,O=The USERTRUST Network,L=Jersey City,ST=New
# Certificate "GlobalSign ECC Root CA - R5"

# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign ECC Root CA - R5"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\051\033\034\040\122\157\157\164
\040\103\101\040\055\040\122\065\061\023\060\021\006\003\125\004
\101\202\012\012\071\154\157\142\141\154\123\151
\147\156
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\051\033\034\040\122\157\157\164
\040\103\101\040\055\040\122\065\061\023\060\021\006\003\125\004
\101\202\012\012\071\154\157\142\141\154\123\151
\147\156
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\140\131\111\340\046\056\273\125\371\012\167\212\161\371
\112\330\154
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\036\060\020\220\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
END
# Trust for "GlobalSign ECC Root CA - R5"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5
# 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):

END

CKA_CLASS CK_OBJECT_CLASS 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_ISSUER CK_MULTILINE_OCTAL

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

END

CKA_ISSUER_MULTILINE_OCTAL

END
# 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

cka_class CK_OBJECT_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\013\060\011\006\003\125\004\006\023\002\116\140\061
\036\060\034\006\003\125\004\012\140\025\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\061
\053\060\051\006\003\125\004\003\014\042\123\164\141\141\164\040
\144\145\162\040\116\145\144\145\162\154\141\156\144\145\156\040
\122\157\157\164\040\103\101\040\055\040\107\063
end

cka_id UTF8 "0"
cka_issuer MULTILINE_OCTAL
\060\013\060\011\006\003\125\004\006\023\002\116\140\061
\036\060\034\006\003\125\004\012\140\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
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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 "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):
CAA_CLASS CK_OBJECT_CLASS CCKO_NSS_TRUST
CAA_TOKEN CK_BBOOL CK_TRUE
CAAPRIVATE CK_BBOOL CK_FALSE
CAAMODIFIABLE CK_BBOOL CK_FALSE
CAALABEL UTF8 "Staat der Nederlanden Root CA - G3"
CAACERT_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
CAACERT_MD5_HASH MULTILINE_OCTAL
\013\106\147\007\333\020\057\031\214\065\120\140\321\013\364\067
END
CAAISSUER_MULTILINE_OCTAL
\060\132\061\013\060\011\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\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\040
\122\157\157\164\040\103\101\040\055\040\107\063
END
CAACERT_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\000\230\242\071
END
CAATRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CAATRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CAATRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CAATRUST_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):
CAA_CLASS CK_OBJECT_CLASS CCKO_CERTIFICATE
CAATOKEN CK_BBOOL CK_TRUE
END

CKA_NSS_MOZILLA_CA_POLICY 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)
# Not Valid Before: Wed Dec 08 11:19:29 2010
# Not Valid After: Thu Dec 08 11:10:28 2022
# Fingerprint (SHA-256):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL

CKA_ISSUER MULTILINE_OCTAL

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\012\001\102\200\000\000\001\105\043\310\104\265\000\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 "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):
CKA_CLASS CK_OBJECT_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_SUBJECT MULTILINE_OCTAL
\060\112\061\013\060\011\100\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\004\03\125\004\03\023\036\111\144
\145\156\124\162\165\163\164\040\103\157\155\155\145\162\143\151
\141\154\040\122\157\157\164\040\103\101\040\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\112\061\013\060\011\100\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\004\03\125\004\03\023\036\111\144
\145\156\124\162\165\163\164\040\103\157\155\155\145\162\143\151
\141\154\040\122\157\157\164\040\103\101\040\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\012\001\102\200\000\000\001\105\043\310\104\265\000\000
\000\002
END
CKA_VALUE MULTILINE_OCTAL
AND HEALTH INSIGHT 4.3.0 3645

# 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
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

END

CKA_CLASS CK_OBJECT_CLASS CKO_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

END

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_MUST_VERIFY_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE

END
# Trust for "IdenTrust Public Sector Root CA 1"
# Issuer: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:00:01:45:23:cf:46:7c:00:00:00:02
# Subject: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Not Valid Before: Thu Jan 16 17:53:32 2014
# Not Valid After : Mon Jan 16 17:53:32 2034
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "IdenTrust Public Sector Root CA 1"

# Certificate SHA1/MD5

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END
# 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 (0xa538c28)
# 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):

CKA_CLASS CK_OBJECT_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
\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

END
CKA_NSS_MOZILLA_CA_POLICY 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):

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  3654


CKA_CLASS CK_OBJECT_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

END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_VALUE MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_VALUE MULTILINE_OCTAL

END
\061\050\060\046\006\003\125\004\013\023\037\123\145\145\040\0167
\167\167\056\145\156\164\162\165\163\164\056\156\145\164\057\154
\145\147\141\154\055\156\145\152\155\163\061\071\060\066\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\156
\145\151\146\151\143\114\164\151\157\151\157\156\040\101\165\164
\150\151\151\164\171\040\055\040\105\103\060\106\036\027\015\156\062
\061\062\061\070\061\065\062\065\063\060\112\027\015\063\067\061
\062\061\070\061\065\065\065\063\060\112\026\012\177\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\060\105\060\064\060\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
\165\154\145\147\141\115\055\164\145\162\155\163\061\107\010\066\007
\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\014\116\156\160\150\157\156\157\152\145\144\000\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\114\164\151\157\156\040\101\165\164
\150\151\151\164\171\040\055\040\105\103\060\106\060\020
\006\007\052\206\110\031\067\050\020\010\060\055\053\201\004\000\042
\003\042\000\004\020\024\331\132\027\155\101\017\033\342\154\320\035
\125\137\146\002\032\044\346\133\211\151\110\343\027\032\175\356
\362\020\352\373\240\366\133\325\213\006\031\206\117\123\020\155
\007\044\047\241\120\370\325\107\031\141\141\175\312\223\047\352
\164\014\357\157\226\011\137\143\354\160\135\066\255\147\167\256
\311\235\174\125\104\072\224\143\121\037\365\343\142\324\251\110
\007\076\314\040\243\102\060\100\060\016\060\003\125\035\017\001
\001\377\004\000\030\022\010\060\006\170\060\003\125\035\023\001
\001\377\004\005\060\003\030\100\377\004\005\060\003\030\125\035\016
\004\026\004\024\267\143\347\032\335\215\351\010\246\125\203\244
\340\152\120\111\145\201\110\110\060\012\006\010\052\206\110\316
\007\050\004\003\003\014\170\000\064\144\020\060\141\171\330\345\102
\107\337\034\256\123\231\027\266\157\034\175\341\277\021\122\432
\003\210\165\344\215\211\244\212\167\106\336\155\141\357\002\365
\373\263\337\314\376\116\377\376\251\346\247\000\020\060\133\231\327
\205\067\006\265\173\010\375\353\047\213\112\224\371\341\372\247
\121\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",O=See www.entrust.net/legal-terms,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",O=See www.entrust.net/legal-terms,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):
# Fingerprint (SHA1):
# CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
# CKA_TOKEN CK_BBOOL CK_TRUE
# CKA_PRIVATE CK_BBOOL CK_FALSE
# CKA_MODIFIABLE CK_BBOOL CK_FALSE
# CKA_LABEL UTF8 "Entrust Root Certification Authority - EC1"
# CKA_CERT_SHA1_HASH MULTILINE_OCTAL
# CKA_CERT_MD5_HASH MULTILINE_OCTAL
# CKA_ISSUER MULTILINE_OCTAL
# CKA_SERIAL_NUMBER MULTILINE_OCTAL
# CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_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"
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 3658
# 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):

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

\172\077\355\123\023\320\342\057\152\171\313\000\043\050\346\036
\067\127\065\211\204\032\166\117\064\066\255\147\303\316\101\006
\210\035\367\356\033\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\24\047\372\010\330\143\034\036\370\004\140\122
\021\050\050\000\337\77\123\146\000\245\12\064\026\146\174\375
\011\244\256\236\147\032\157\101\013\153\006\023\233\217\206\161
\005\264\057\215\211\114\166\036\035\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\077\123\370\047\042\223\312\324\100\111
\154\200\207\032\004\072\303\062\122\206\016\126\370\245\335\175
\304\213\015\021\037\123\131\036\062\202\267\266\150\167\112\32\340\324
\313\310\007\256\365\072\205\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\234\127\016\075\246\043\172\306\001\130\217\310\136
\277\155\200\126\267\212\044\272\063\352\237\341\062\212\236\361
\322\171\003\366\033\100\257\070\236\021\120\171\163\022\202\231
\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\056\240\074\040\030\075\252\243\101\101\035\100\272\136
\376\376\126\071\241\130\031\17\136\263\031\144\016\020\332\027\221
\267\005\200\254\213\231\222\175\347\242\330\007\013\066\047\347
\110\171\140\212\320\033\237\023\134\370\162\100\337\112\313\317\231
\000\012\000\000\130\212\255\332\126\105\003\210\101\237\147\320\035
\171\261\250\215\010\155\015\302\172\100\372\363\137\144\072\222
\313\123\271\273\131\316\117\375\320\025\123\000\130\337\353\333
\346\166\357\320\043\237\073\251\171\263\325\002\051\315\211\243
\226\017\112\065\347\116\102\300\165\315\007\137\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
# Certificate "OISTE WISeKey Global Root GB CA"

# Issuer: CN=OISTE WISeKey Global Root GB CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH
# 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

CKA_CLASS CK_OBJECT_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\111\123\145\113\145
\171\061\042\060\040\006\003\125\004\013\023\031\117\111\123\124
\105\040\106\156\165\156\144\141\164\151\157\156\040\015\156\144
\157\162\163\145\144\061\105\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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  3661
\147\162\327\323\324\325\320\225\124\100\163\300\303\366\352\364\353\376
\050\102\167\107\172\235\304\303\326\262\66\075\200\002\204\007\114\056\117
\367\325\012\026\015\327\146\103\067\176\043\103\171\303\010\206
\365\114\051\332\126\232\225\051\152\45\004\025\201\103\36\205\343\321
\123\325\323\310\213\003\143\170\353\340\031\112\156\273\057\015
\063\144\133\023\255\151\127\217\033\357\52\011\030\002\003\001
\000\001\124\121\060\011\076\006\003\125\035\023\001\001\137\000\040\005
\003\030\001\013\377\060\035\006\003\125\035\016\004\026\004\024\065
\017\310\066\143\136\342\224\354\371\103\146\025\316\121\112\234
\221\232\075\060\020\006\011\105\030\006\001\004\001\202\067\025\001
\004\003\002\001\000\000\060\015\006\011\052\206\110\206\367\015\001
\001\013\005\000\003\202\000\010\001\000\100\143\373\207\262\231\201
\220\176\235\305\260\260\046\135\210\173\053\062\215\156\270\041
\161\130\227\175\256\067\024\257\076\347\367\232\342\175\366\161
\230\231\004\252\103\164\170\243\343\111\141\076\163\214\115\224
\340\037\161\130\026\066\026\016\123\170\037\326\224\207\057\002\071
\201\051\074\257\025\230\041\060\376\050\200\000\214\321\341\313
\372\136\310\375\370\020\106\073\242\171\012\221\027\164\125\012
\336\120\147\115\146\321\247\377\375\333\300\265\250\243\212\316
\146\63\065\017\033\153\247\053\127\171\134\106\152\252\056\122\330
\364\355\341\115\255\051\220\170\110\272\341\043\252\243\211\354
\265\253\226\300\264\113\242\035\252\273\236\172\362\156\100\161\133
\150\363\114\155\115\313\164\005\337\123\145\251\245\360\261\122\270\004
\160\025\106\003\230\032\322\277\124\264\240\130\175\122\157\332
\126\046\141\034\330\333\211\061\157\034\360\042\303\323\142\034
\065\315\114\151\105\212\140\032\220\230\336\353\036\137\312\167\307
\313\126\073\251\103\151\234\232\130\204\044\073\337\033\100\226\176
\065\255\201\307\116\161\127\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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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"
Certificate "SZAFIR ROOT CA2"

Issuer: CN=SZAFIR ROOT CA2,O=Krajowa Izba Rozliczeniowa S.A.,C=PL
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

# Certificate "Certum Trusted Network CA 2"

# Issuer: CN=Certum Trusted Network CA 2,OU=Certum Certification Authority,O=Unizeto Technologies S.A.,C=PL
# 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):

CKA_CLASS CK_OBJECT_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

//21\144\301\211\260\044\261\214\261\007\176\211\236\121\236\231
END
CKA_ISSUER MULTILINE_OCTAL
\060\121\066\101\151\060\003\125\004\006\023\002\120\114\061
\050\060\046\006\003\125\004\012\014\037\113\162\141\152\157\167
\141\040\111\172\142\141\040\122\157\172\154\151\143\172\145\156
\151\157\167\141\040\123\056\101\056\061\030\060\026\006\003\125
\004\003\140\017\123\132\101\106\111\122\040\122\117\117\124\040
\103\011\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\076\212\121\013\060\011\006\003\125\004\006\023\002\120\114\061
\353\055\334\344\326\346\347\156\157\167\141\040\123\056\101\056\061\030\060\026\006\003\125
\004\003\140\017\123\132\101\106\111\122\040\122\117\117\124\040
\103\011\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
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END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\201\200\061\103\060\011\006\003\125\004\000\023\002\120\114
\061\042\060\040\000\066\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\000\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\000\003\125\004\003\023\033\103\145\162\164\155\040\124
\162\165\163\164\145\144\040\116\145\164\167\157\162\153\040\103
\101\040\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\041\326\320\112\117\045\017\311\062\067\374\252\136\022\215\351

END

CKA_VALUE MULTILINE_OCTAL
\060\202\005\322\060\202\003\272\240\003\002\001\002\002\020\041
\326\320\112\117\045\017\311\062\067\374\252\136\022\215\351
\015\006\011\052\206\110\206\367\015\001\001\150\055\000\060\201
\200\061\013\060\001\106\000\125\004\006\002\23\002\120\114\061\042
\060\040\000\063\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\000\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\000
\003\125\004\000\03\023\033\103\145\162\164\165\155\040\124\162\165
\163\164\154\144\040\116\145\164\167\157\162\153\040\103\101\040
\062\060\042\030\017\062\060\061\106\010\060\060\060\060\060\070\063
\071\165\060\071\132\030\017\062\060\064\060\061\060\060\060\070\063
\063\071\065\066\132\060\120\101\060\013\060\011\006\003\125\004
\006\060\03\023\021\120\114\061\042\060\060\040\000\063\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\000\125\004\123\036\103
\145\162\164\165\155\040\103\145\162\164\151
\164\161\143\141\164\165\156\040\101\165\164\150\157\162\151
\164\171\061\044\060\060\02\060\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\013\104\040\062\060\02\060\02\042\060\015\006\011
\052\026\110\206\367\015\001\001\100\050\000\03\202\002\017\000
\060\02\002\012\000\202\020\020\001\000\275\371\170\370\346\325\200
\014\144\235\206\033\226\144\147\077\042\027\036\165\000\117\5357
\373\134\147\214\113\134\145\135\251\221\134\271\023\45\040\113
\233\323\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\131\134\265\007\353\160\115\123\326\301\263\126\270\241\101
CKA_NSS_MOZILLA_CA_POLICY 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
# Subject: CN=Certum Trusted Network CA 2,OU=Certum Certification Authority,O=Unizeto Technologies S.A.,C=PL
# Not Valid Before: Thu Oct  6 08:39:56 2011
# Not Valid After : Sat Oct  6 08:39:56 2046
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Network CA 2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\323\335\110\076\053\277\114\005\350\257\020\365\372\166\046\317
\323\334\060\222

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\155\106\236\331\045\155\010\043\133\136\164\175\036\047\333\362

END

CKA_ISSUER MULTILINE_OCTAL
\060\020\120\006\011\013\060\001\11\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

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END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\041\326\320\112\117\045\017\311\062\067\374\252\136\022\215\351
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "Hellenic Academic and Research Institutions RootCA 2015"
# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR
# Not Valid Before: Tue Jul 07 10:11:21 2015
# Not Valid After : Sat Jun 30 10:11:21 2040
CKA_CLASS CK_OBJECT_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
\123\056\101\056\061\047\060\045\006\003\125\004\023\036\103
\151\157\156\040\101\165\164\150\157\162\151\164\171\061\044\060
\042\006\003\125\004\003\023\033\033\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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

END

END

END
CKA_NSS_MOZILLA_CA_POLICY 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):

CKA_CLASS CK_OBJECT_CLASS 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"

END
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "Hellenic Academic and Research Institutions ECC RootCA 2015"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

\060\201\246\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243\060\201\243\061\201\243

END
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# 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)
# Not Valid Before: Tue Jul 07 10:37:12 2015
# Not Valid After: Sat Jun 30 10:37:12 2040

CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
2013452640273533023653411130151011731112223760357

CKA_ISSUER MULTILINE_OCTAL
\060\020I\252\060I\013\060I\011\006I\003I\125I\004I\006I\023I\002I\107I\122
\061I\017\060I\015\050I\060I\003I\125I\004I\007I\023I\006I\010I\116I\150I\145I\156
\163I\061I\104I\060I\012I\020I\006I\003I\125I\004I\012I\023I\073I\110I\145I\154I\154
\145I\156I\151I\143I\040I\010I\114I\141I\144I\145I\155I\151I\143I\040I\141I\156
\144I\040I\122I\145I\163I\145I\141I\162I\143I\150I\004I\111I\156I\163I\164I\151
\164I\165I\164I\151I\157I\156I\163I\040I\103I\145I\162I\164I\056I\040I\101I\165
\164I\150I\157I\162I\151I\164I\171I\061I\104I\060I\012I\020I\006I\003I\125I\004I\103I
\023I\073I\110I\145I\154I\154I\145I\156I\151I\143I\040I\101I\143I\141I\144I\145
\155I\151I\143I\040I\141I\156I\144I\040I\122I\145I\163I\145I\141I\162I\143I\150
\040I\111I\156I\163I\164I\151I\164I\165I\151I\157I\156I\163I\040I\105I\103
\103I\040I\122I\157I\157I\164I\103I\101I\040I\062I\060I\061I\1065
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002I\001I\000

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKC_X_509
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
\060I\177I\060I\013\060I\011\006I\003I\125I\004I\006I\023I\002I\125I\123I\061
\051I\060I\047I\060I\003I\125I\004I\012I\023I\040I\111I\156I\164I\145I\162I\156
\145I\164I\040I\123I\145I\143I\165I\162I\151I\164I\171I\040I\122I\145I\163I\145
\141I\162I\143I\150I\040I\107I\162I\157I\165I\160I\061I\025I\060I\023I\006I\003I
\125I\004I\003I\023I\014I\111I\123I\122I\107I\040I\122I\157I\157I\164I\040I\130
\061

END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060I\177I\060I\013\060I\011I\006I\003I\125I\004I\006I\023I\002I\125I\123I\061

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# Trust for "ISRG Root X1"

# Issuer: CN=ISRG Root X1,O=Internet Security Research Group,C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\014\322\371\340\027\163\351\355\206\115\245\343\160\347\116
CKA_ISSUER MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\015\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\070\040\122\157\157\164\040\130
\061
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\202\020\031\260\032\100\034\131\104\143\340\273\143
\202\213\000
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"
# Certificate "Amazon Root CA 1"

# Issuer: CN=Amazon Root CA 1,O=Amazon,C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\071\061\070\060\077\061\064\061\060\060\063\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\061

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\071\061\070\060\077\061\064\061\060\060\063\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\061

END
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# Certificate "Amazon Root CA 2"

# Issuer: CN=Amazon Root CA 2, O=Amazon, C=US
# 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):

CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_Bool CK_FALSE

# Certificate "Amazon Root CA 2"

# Issuer: CN=Amazon Root CA 2, O=Amazon, C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_Bool CK_TRUE
CKA_PRIVATE CK_Bool CK_FALSE
CKA_MODIFIABLE CK_Bool CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

CKA_VALUE MULTILINE_OCTAL

END

CKA_LABEL UTF8 "Amazon Root CA 2"

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_Bool CK_TRUE
CKA_PRIVATE CK_Bool CK_FALSE
CKA_MODIFIABLE CK_Bool CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

CKA_VALUE MULTILINE_OCTAL

END

END

END

END
"\171\267\061\043\143\255\170\203\011\206\150\204\312\377\371\317
\046\232\222\217\134\71\315\113\035\347\141\247\027\231\313\63\251\022
\223\222\153\247\350\057\233\222\304\140\130\260\314\002\212\030
\133\205\212\151\42\131\143\266\255\264\336\232\373\046\036\000\047
\300\135\125\067\164\231\311\120\177\343\131\056\104\343\054\045
\356\354\114\062\167\262\42\37\032\351\113\135\040\305\332\237\50\034
\207\026\306\101\340\211\267\314\102\266\313\050\046
\156\331\245\311\072\310\101\010\231\140\367\212\214\025\256\262\215\55
\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\020\143\251\233\361\134\55
\277\242\174\024\240\116\311\261\037\164\137\070\366\121\352\233
\372\054\242\021\324\251\055\047\032\105\261\257\262\116\161\015
\300\130\106\326\151\066\313\123\313\263\376\153\101\135\101\176
\175\114\017\174\162\171\172\131\151\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\070\236\032\251\142\036\267
\237\276\075\261\051\257\147\241\022\263\261\030\000\113\230\036
\033\270\032\211\136\262\234\275\227\003\216\243\011\363\035\213\041
\361\126\337\344\034\321\237\145\000\206\352\134\326\023\263\204
\357\242\245\134\214\167\051\247\150\001\153\256\100\322\250\264
\352\315\360\215\113\070\234\031\232\033\050\124\270\201\11\220\357
\312\165\210\076\036\362\144\044\307\030\257\116\377\107\236\007
\366\065\145\244\323\012\266\377\365\027\144\154\357\250\042\045
\111\223\266\377\000\027\332\130\176\135\356\030\033\260\321\132
\137\041\020\307\371\163\272\002\012\047\007\035\361\132\263\073\23
\340\373\011\11\140\154
END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Amazon Root CA 2"
# Issuer: CN=Amazon Root CA 2,O=Amazon,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS 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
# Certificate "Amazon Root CA 3"

# Issuer: CN=Amazon Root CA 3,O=Amazon,C=US
# 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
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

# Trust for "Amazon Root CA 3"
# Issuer: CN=Amazon Root CA 3,O=Amazon,C=US
# 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
CKA_CLASS CK_OBJECT_CLASS 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\041\335\214\074\214\032\032\130\165\144\201\351\017\056\052\377\263\322\156
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\240\324\357\013\367\265\330\111\225\052\354\365\304\374\201\207
END

CKA_ISSUER MULTILINE_OCTAL
\060\071\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\156\164\040\103\101\040\063
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\023\006\015\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
# 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):


CKA_CLASS CK_OBJECT_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\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\156\164\040\103\101\040\063
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
# Trust for "Amazon Root CA 4"

# Issuer: CN=Amazon Root CA 4,O=Amazon,C=US
# 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

# 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
# Subject: CN=Symantec Class 1 Public Primary Certification Authority - G6,OU=Symantec Trust Network,O=Symantec Corporation,C=US
CKA_CLASS CK_OBJECT_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
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
END
CKA_VALUE MULTILINE_OCTAL
END
CKA_VALUE MULTILINE_OCTAL
END
\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\111\243\072\022\263
\347\066\321\041\150\051\113\055\070\346\123\256\034\045\126\010\126
\003\147\204\235\063\033\164\044\142\307\114\066\317\260\006\104
\267\365\137\002\335\331\124\351\057\220\116\172\310\116\203\100
\014\232\227\074\067\277\277\354\366\360\026\240\167\050\301\013
\310\147\202\020\027\070\242\267\060\352\233\277\072\370\351\043
\007\277\164\340\230\070\025\125\170\356\162\000\134\031\243\364
\322\063\340\377\275\321\124\071\051\017
END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
# For Email Distrust After: Wed Aug 31 00:00:00 2022
CKA_NSS_EMAIL_DISTRUST_AFTER MULTILINE_OCTAL
062/062/060/070/063/061/060/060/060/060/060/060/060/060/061/032
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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Symantec Class 1 Public Primary Certification Authority - G6"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\121\177\141\036\051\221\153\123\202\373\162\347\104\331\215\303
\314\123\155\144
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\057\250\264\332\366\144\113\036\020\371\106\075\124\032\174\260
END
CKA_ISSUER MULTILINE_OCTAL
\060\021\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\061\040\120\165\142\154

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# Certificate "Symantec Class 2 Public Primary Certification Authority - G6"

# Issuer: CN=Symantec Class 2 Public Primary Certification Authority - G6,O=Symantec Corporation,C=US


# Subject: CN=Symantec Class 2 Public Primary Certification Authority - G6,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):

# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_TRUE
CKA_ID UTF8 "0"

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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_PRIVATE CK_BBOOL CK_TRUE
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\017\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\137\143\355\171
END
CKA_ISSUER MULTILINE_OCTAL
\060\020\122\240\061\013\060\001\11\006\003\125\004\006\023\002\125\123
\061\035\060\033\066\003\125\004\012\023\024\123\171\155\141\156
\164\145\134\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
\145\143\040\124\162\165\163\164\040\116\145\164\157\162\153
\061\015\060\010\03\006\003\125\004\003\023\074\012\023\171\155\141\156
\164\145\134\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\140\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 (0xfdac)
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE 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)

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

END
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# 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):
CKA_CLASS CK_OBJECT_CLASS 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\000\033\340\030\161\134\165\315\126\105\277
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\104\105\061\025\060\023\006\003\125\004\012\014\014\014\055\124\162\165\163
\164\040\107\155\142\110\061\037\060\035\006\003\125\004\003\014\026\104\055\124\122\125\123\124\040\122\157\157\164\040\103\101\040\063\040\062\060\061\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\017\335\254
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
#
# Issuer: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L=Gbze - Kocaeli,C=TR
# Serial Number: 1 (0x1)
# Subject: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L=Gbze - 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
# 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)
# Not Valid Before: Mon Nov 25 08:25:55 2013
# Not Valid After: Sun Oct 25 08:25:55 2043
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\061\103\144\233\354\316\047\354\355\072\077\013\217\015\344\350
\221\335\356\312
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\334\000\201\334\151\057\076\057\260\073\366\075\132\221\216\111
END
CKA_ISSUER MULTILINE_OCTAL
\060\020\322\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\030\060\026\006\003\125\004\007\023\017\107\145\142\172\145
\040\055\040\011\137\143\141\145\154\151\061\010\060\010\000\006\003
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: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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GDCA TrustAUTH R5 ROOT"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\142\061\013\060\001\11\006\003\125\004\006\023\002\103\116\061\062\060\006\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\113\103\110\124\105
\040\101\125\124\110\117\122\111\124\131\040\103\117\056\054\114
\124\104\056\061\037\060\035\006\003\125\004\003\014\026\107\104
\103\101\040\124\162\165\163\164\101\125\124\110\040\122\065\040
\122\117\117\124
END
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3711

# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GDCA TrustAUTH R5 ROOT"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\176\066\070\133\201\032\045\116\203\351\064\146
\160\314\164\264

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\143\314\331\075\064\065\134\157\123\243\342\010\160\110\037\264

CKA_ISSUER MULTILINE_OCTAL
\106\014\206\011\130\060\011\011\006\003\125\004\102\230\023\103\116\061
\062\014\206\060\006\003\125\004\012\104\015\107\125\101\116\107\040
\104\117\116\107\040\103\105\122\124\111\106\111\103\101\124\105
\104\011\125\241\110\117\122\111\124\131\104\103\117\056\054\114
\124\104\056\061\137\060\035\006\003\125\004\003\104\026\107\104
\103\101\040\124\162\165\163\164\101\125\124\110\040\122\065\040
\122\117\117\124

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\175\011\227\376\360\107\352\172

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# 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):

# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TrustCor RootCert CA-1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\244\061\013\060\001\11\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\010\13\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\162\164\162\165\163\164\103\157\162\040\122\157\157\164\103\145
\162\164\040\103\101\055\061

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\201\244\061\013\060\001\11\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\010\13\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\162\164\162\165\163\164\103\157\162\040\122\157\157\164\103\145

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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 "TrustCor RootCert CA-1"
# Issuer: CN=TrustCor RootCert CA-1,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de R.L.,L=Panaama City,ST=Panaama,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=Panaama City,ST=Panaama,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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TrustCor RootCert CA-1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\377\275\315\347\202\310\103\136\074\157\046\206\134\312\250\072 \105\133\303\012
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\156\205\361\334\032\000\323\042\325\262\262\254\153\067\005\105
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101
\061\170\060\015\006\003\125\004\010\014\006\120\141\156\141\155
\141\061\024\060\022\060\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\140\012\123\171\163\164\145
\155\163\040\123\056\040\144\145\040\122\056\114\056\061\047\060
\045\006\003\125\004\013\014\036\124\162\165\163\164\103\157\162
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\037\060\035\006\003\125\004\003\014
\026\124\162\165\163\164\103\157\162\040\122\157\157\164\103\145
\162\164\040\103\101\055\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\332\233\354\161\363\003\260
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=Pana
# 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=Pana
# Not Valid Before: Thu Feb 04 12:32:23 2016
# Not Valid After : Sun Dec 31 17:26:39 2034
# 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 "TrustCor RootCert CA-2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\244\061\013\060\011\006\003\125\004\006\023\002\120\101
\002\001\000\236\105\236\014\073\266\357\341\072\310\174\321\000
\075\173\342\352\006\265\262\072\273\006\113\150\172\320\043\227
\164\247\054\360\010\330\171\132\237\121\024\123\002\223\220\033
\331\175\134\115\160\305\245\371\253\345\243\211\121\133\130\013\372
\354\335\371\351\122\227\333\260\106\102\363\323\142\252\225\376
\061\147\024\151\130\220\012\252\013\356\067\043\307\120\121\1264
\365\176\236\343\173\367\344\314\102\062\055\111\104\131\377\111
\014\233\030\64\375\156\156\226\212\171\100\366\157\333\011\1313
\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\103\215\177\322\130\070\124\127
\010\217\341\071\141\061\167\113\254\131\204\032\210\361\335\313\117
\170\327\347\341\063\055\374\356\101\137\204\260\276\313\367\070
\224\300\341\132\205\017\273\355\054\163\253\355\376\222\166\032
\144\177\133\015\063\011\100\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\034\231\217\177\277\321\153\342\265\107\326
\331\132\205\023\111\15\224\233\017\113\215\356\000\132\107\035\021
\003\254\101\030\257\207\267\157\014\072\217\312\317\334\003\301
\242\011\130\135\345\375\200\163\310\140\102\000\133\032\123\132\273
\067\246\267\274\272\204\351\036\154\033\324\144\332\324\103\376
\223\213\113\362\054\171\102\020\324\223\013\210\217\241\133\026
\024\106\222\107\233\050\044\035\271\127\122\116\134\102\234\252\267
\111\135\340\247\350\100\036\263\246\211\042\216\234\365\015\063\264
\130\243\060\073\333\353\324\152\124\223\276\032\111\563\222\224\367
\374\204\013\077\204\040\134\064\003\104\3053\252\274\012\301
\002\231\170\363\345\224\331\136\216\133\301\14\360\235\354\141\027
\273\024\061\124\014\002\020\51\223\036\222\206\366\177\357\347\222
\002\016\131\135\352\231\010\056\056\372\234\000\122\323\305\146\051
\344\247\227\104\244\160\050\010\230\035\366\157\144\346\101
\304\345\253\134\064\054\031\171\010\002\266\075\112\056\032\226
\123\011\116\112\234\227\267\333\037\222\062\130\377\017\121\156
\326\354\011
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "TrustCor RootCert CA-2"
# Issuer: CN=TrustCor RootCert CA-2,OU=TrustCor Certificate Authority,O=TrustCor Systems S. de
# R.L.,L=Panama City,ST=Panama,C=PA
# Serial Number:25:a1:df:ca:33:eb: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):
CKA_CLASS CK_OBJECT_CLASS 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\020\124\40\61\013\060\001\11\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\010\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\131\131\1002
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):
# 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
<table>
<thead>
<tr>
<th>Certificate Attribute</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CKA_TOKEN</td>
<td>CK_BBOOL CK_TRUE</td>
<td></td>
</tr>
<tr>
<td>CKA_PRIVATE</td>
<td>CK_BBOOL CK_FALSE</td>
<td></td>
</tr>
<tr>
<td>CKA_MODIFIABLE</td>
<td>CK_BBOOL CK_FALSE</td>
<td></td>
</tr>
<tr>
<td>CKA_LABEL</td>
<td>UTF8 &quot;TrustCor ECA-1&quot;</td>
<td></td>
</tr>
<tr>
<td>CKA_CERTIFICATE_TYPE</td>
<td>CK_CERTIFICATE_TYPE CKC_X_509</td>
<td></td>
</tr>
<tr>
<td>CKA_SUBJECT</td>
<td>MULTILINE_OCTAL</td>
<td></td>
</tr>
<tr>
<td>CKA_ID</td>
<td>UTF8 &quot;0&quot;</td>
<td></td>
</tr>
<tr>
<td>CKA_ISSUER</td>
<td>MULTILINE_OCTAL</td>
<td></td>
</tr>
<tr>
<td>CKA_SERIAL_NUMBER</td>
<td>MULTILINE_OCTAL</td>
<td></td>
</tr>
<tr>
<td>CKA_VALUE</td>
<td>MULTILINE_OCTAL</td>
<td></td>
</tr>
</tbody>
</table>
# 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 (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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\047\222\043\035\012\365\100\174\351\346\153\235\330\365\347\154

CKA_ISSUER_MULTILINE_OCTAL
\060\201\234\061\013\060\011\006\003\125\004\006\023\002\120\101
\061\017\060\015\006\003\125\004\010\014\006\120\141\156\141\155
\141\061\024\060\022\060\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\204\123\171\163\164\145
\151\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\013\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\204\202\054\137\034\142\320\100

END
# Certificate "SSL.com Root Certification Authority RSA"

# Issuer: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Subject: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid After: Tue Feb 12 17:39:39 2041

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_ID UTF8 "0"

END

CKA_ISSUER MULTILINE_OCTAL
060174:06:01:03:06:00:01:10:00:06:03:11:25:00:04:00:06:02:33:02:12:51:12:30:61
01:06:00:01:14:00:06:00:3:12:50:04:01:01:40:05:5:124:145:1:170:14:1:163:06:1
02:00:60:01:16:00:06:03:12:50:04:02:07:01:14:00:7:11:0:157:165:163:164:157
15:60:01:03:06:00:26:00:00:03:12:52:04:01:20:14:01:17:123:12:11:14:04:04

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_VALUE MULTILINE_OCTAL
06:02:20:00:05:335:06:02:00:03:30:24:00:03:00:2:00:02:01:01:73
# 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
# Subject: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid After: Tue Feb 12 17:39:39 2041
# Fingerprint (SHA-256):

CKA_CLASS  CK_OBJECT_CLASS  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\274\245\133\241\051
END

CKA_ISSUER MULTILINE_OCTAL
\060\174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\016\060\014\006\003\125\004\010\140\051\124\145\170\141\163\061
\020\060\016\006\003\125\004\007\140\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\060\057\006
\003\125\004\003\140\050\123\123\140\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:01:68:5b:a8
# Subject: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US
<table>
<thead>
<tr>
<th>Attribute</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CKA_CLASS</td>
<td>CK_OBJECT_CLASS</td>
</tr>
<tr>
<td>CKA_TOKEN</td>
<td>CK_BBOOL CK_TRUE</td>
</tr>
<tr>
<td>CKA_PRIVATE</td>
<td>CK_BBOOL CK_FALSE</td>
</tr>
<tr>
<td>CKA_MODIFIABLE</td>
<td>CK_BBOOL CK_FALSE</td>
</tr>
<tr>
<td>CKA_LABEL</td>
<td>UTF8 &quot;SSL.com Root Certification Authority ECC&quot;</td>
</tr>
<tr>
<td>CKA_CERTIFICATE_TYPE</td>
<td>CK_CERTIFICATE_TYPE CKC_X_509</td>
</tr>
<tr>
<td>CKA_SUBJECT</td>
<td>MULTILINE_OCTAL</td>
</tr>
<tr>
<td>CKA_ID</td>
<td>UTF8 &quot;0&quot;</td>
</tr>
<tr>
<td>CKA_ISSUER</td>
<td>MULTILINE_OCTAL</td>
</tr>
<tr>
<td>CKA_SERIAL_NUMBER</td>
<td>MULTILINE_OCTAL</td>
</tr>
<tr>
<td>CKA_VALUE</td>
<td>MULTILINE_OCTAL</td>
</tr>
</tbody>
</table>
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "SSL.com Root Certification Authority ECC"
# Issuer: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Serial Number:75:e6:df:cb:c1:68:5b:a8
# Subject: CN=SSL.com Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid Before: Fri Feb 12 18:14:03 2016
# Not Valid After : Tue Feb 12 18:14:03 2041
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE 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):

cka_label UTF8 "SSL.com EV Root Certification Authority RSA R2"
cka_cert_sha1_hash multiline_octal
\303\031\174\071\044\346\124\257\033\304\253\040\225\172\342\303\016\023\002\152
end
cka_cert_md5_hash multiline_octal
\056\332\344\071\177\234\217\006\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\007\140\170\141\163\061
\020\060\016\006\003\125\004\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\140\050\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\010\165\164\150\157\162\151\164\171\040\105\013\013
end
cka_serial_number multiline_octal
\002\010\165\346\337\313\301\150\133\250
end
cka_trust_server_auth ck_trust ck_trust ck_trusted_delegator
ccka_trust_email_protection ck_trust ck_trusted_delegator
ccka_trust_code_signing ck_trust cktrust ck_nss_must_verify_trust
ccka_trust_step_up_approved ck_bbool ck_false

# Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3729
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SSL.com EV Root Certification Authority RSA R2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\164\072\360\122\233\320\062\240\364\112\203\315\324\272\251\173
\174\056\304\232
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\341\036\061\130\032\256\124\123\002\366\027\152\202\173\115\225

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3732
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\125\123 \061\016\006\014\006\003\125\004\010\014\005\124\145\170\141\163 \061\020\006\016\006\003\125\004\007\014\007\110\157\165\163\164 \157\156\010\060\026\006\003\125\004\012\014\017\123\121\114 \040\010\157\162\160\157\162\141\164\151\157\156\061\167\060\065 \006\003\125\004\003\014\056\123\123\114\060\143\170\165\163\155\040\105 \126\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141 \164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122 \123\101\040\122\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\126\266\051\135\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 After : Tue Feb 12 18:15:23 2041
# 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 "SSL.com EV Root Certification Authority ECC"

CKA_SUBJECT MULTILINE_OCTAL
\060\177\061\013\060\011\006\003\125\004\006\023\002\125\123 \016\006\014\006\003\125\004\010\014\005\124\145\170\141\163 \060\016\014\006\003\125\004\010\014\005\124\145\170\141\163 \020\060\016\014\006\003\125\004\010\014\005\124\145\170\141\163 \156\061\030\060\026\006\003\125\004\012\014\017\123\123\114\040 \103\157\156\162\161\157\162\141\164\151\157\156\016\016\060\062\006 \003\125\004\003\014\053\123\123\114\056\143\157\155\040\105\126 \040\012\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
<table>
<thead>
<tr>
<th>Certificate Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Issuer:</strong> CN=SSL.com EV Root Certification Authority ECC,O=SSL Corporation,L=Houston,ST=Texas,C=US</td>
</tr>
<tr>
<td><strong>Serial Number:</strong> 2c:29:9c:5b:16:ed:05:95</td>
</tr>
<tr>
<td><strong>Not Valid Before:</strong> Fri Feb 12 18:15:23 2016</td>
</tr>
<tr>
<td><strong>Not Valid After:</strong> Tue Feb 12 18:15:23 2041</td>
</tr>
<tr>
<td><strong>CKA_CLASS:</strong> CK_OBJECT_CLASS CKO_NSS_TRUST</td>
</tr>
<tr>
<td><strong>CKA_TOKEN:</strong> CK_BBOOL CK_TRUE</td>
</tr>
<tr>
<td><strong>CKA_PRIVATE:</strong> CK_BBOOL CK_FALSE</td>
</tr>
<tr>
<td><strong>CKA_MODIFIABLE:</strong> CK_BBOOL CK_FALSE</td>
</tr>
<tr>
<td><strong>CKA_LABEL UTF8:</strong> &quot;SSL.com EV Root Certification Authority ECC&quot;</td>
</tr>
<tr>
<td><strong>CKA_SERIAL_NUMBER:</strong> MULTILINE_OCTAL</td>
</tr>
<tr>
<td><strong>CKA_CERT_SHA1_HASH:</strong> MULTILINE_OCTAL</td>
</tr>
<tr>
<td><strong>CKA_CERT_MD5_HASH:</strong> MULTILINE_OCTAL</td>
</tr>
<tr>
<td><strong>CKA_ISSUER:</strong> MULTILINE_OCTAL</td>
</tr>
<tr>
<td><strong>CKA_SERIAL_NUMBER:</strong> MULTILINE_OCTAL</td>
</tr>
<tr>
<td><strong>CKA_LABEL UTF8:</strong> &quot;SSL.com EV Root Certification Authority ECC&quot;</td>
</tr>
</tbody>
</table>

---

CKA_NSS_MOZILLA_CA_POLICY 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
# Not Valid After: Tue Feb 12 18:15:23 2041

---

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_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
# 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):
# Fingerprint (SHA1):

END
END

# Trust for "GlobalSign Root CA - R6"
# Issuer: 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):

# CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS 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
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\0107
\154\157\142\141\154\123\151\147\156\061\102\036\002\1006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\016\010\05\346\273\003\203\063\030\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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA/Private CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "OISTE WISEKey Global Root GC CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\155\061\013\060\001\110\066\003\125\004\006\023\002\103\110\061

Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 3739
END

CKA_NSS_MOZILLA_CA_POLICY 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
# 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):

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL

END
# Certificate "UCA Global G2 Root"
# Issuer: CN=UCA Global G2 Root,O=UniTrust,C=CN
# 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):

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3742
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

END

# Trust for "UCA Global G2 Root"
# Issuer: CN=UCA Global G2 Root,O=UniTrust,C=CN
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
# Certificate "UCA Extended Validation Root"

# Issuer: CN=UCA Extended Validation Root,O=UniTrust,C=CN
# 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

CKA_CLASS CK_OBJECT_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"

END

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  3746
# Trust for "UCA Extended Validation Root"
# Issuer: CN=UCA Extended Validation Root,O=UniTrust,C=CN
# 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):

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\241\363\137\103\006\064\233\332\277\214\176\005\123\255\226\342

CKA_ISSUER_MULTILINE_OCTAL
\006\017\006\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\060\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\117\322\053\171\365\144\131\063\236\117\064\130\146\043
\160\140

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:41:6c: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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certigna Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\132\061\013\060\011\006\000\031\125\004\006\023\002\106\122\061
\022\060\020\000\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\066\063\060\070\061\060\060\060\063
\066\061\031\060\027\006\003\125\004\003\014\020\010\031\145\162\164
\151\147\156\141\040\122\157\157\164\040\010\31\010
END
CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\132\061\013\060\011\006\000\031\125\004\006\023\002\106\122\061
\022\060\020\000\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\066\063\060\070\061\060\060\060\063
\066\061\031\060\027\006\003\125\004\003\014\020\010\031\145\162\164
\151\147\156\141\040\122\157\157\164\040\010\31\010
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\020\006\133\060\020\004\103\240\003\002\001\002\002\021\000
\312\351\033\211\361\125\003\015\243\346\101\155\304\343\246\341
\060\015\006\011\052\020\061\010\060\036\71\015\001\001\013\005\000\060
\132\061\013\060\011\006\003\125\004\006\023\002\106\122\061\022
\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157\164
\151\163\061\034\060\032\006\003\125\004\013\014\023\060\060\060
\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157\164
\147\156\141\040\122\157\157\164\040\010\31\010
\063\061\060\060\061\060\070\063\062\062\067\132\027\015\063\063
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3750
# Trust for “Certigna Root CA”
# Issuer: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR
# 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):

CAK_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CAK_TOKEN CK_BBOOL CK_TRUE
CAK_PRIVATE CK_BBOOL CK_FALSE
CAK_MODIFIABLE CK_BBOOL CK_FALSE
CAK_LABEL UTF8 "Certigna Root CA"
CAK_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

CAK_CERT_MD5_HASH MULTILINE_OCTAL
\016\134\060\142\047\353\133\274\327\256\142\272\351\325\337\167
END

CAK_ISSUER_MULTILINE_OCTAL
\060\132\060\011\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\060\013\034\060\032\060\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\060\063\060\070\061\060\060\060\060
\060\060\031\060\027\006\003\125\004\003\014\020\013\145\162\164
\151\147\156\141\140\122\157\157\164\040\103\101
END

CAK_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\312\351\033\211\361\125\003\015\243\346\101\155\304
\343\246\341
END

CAK_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CAK_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CAK_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CAK_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certicate "emSign Root CA - G1"
#
# Issuer: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# 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):
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\133\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\060\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\016\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\013\101\040\055\040\107\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\153\061\133\060\011\006\003\125\004\006\023\002\111\116\061
\023\060\021\060\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\016\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\013\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\020\020\001\323\240\003\002\001\002\002\012\074
\366\007\251\150\160\016\332\213\204
\316\075\004\003\003\060\153\061\101\060\001\116\061
\023\002\111\116\061\023\060\021\060\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
\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\016\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\013\101\040\055\040\107\063
END
CKA_VALUE.MULTILINE_OCTAL
\060\202\002\116\060\020\020\001\323\240\003\002\001\002\002\012\074
\366\007\251\150\160\016\332\213\204
\316\075\004\003\003\060\153\061\101\060\001\116\061
\023\002\111\116\061\023\060\021\060\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
\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\016\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\013\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\020\020\001\323\240\003\002\001\002\002\012\074
CKA_NSS_MOZILLA_CA_POLICY 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
CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL

\115\165\144\150\162\141\104\124\145\143\150\156\157\154\147
\151\145\163\140\114\151\155\151\164\145\144\061\104\060\036\006
\003\125\004\003\023\027\143\155\123\151\147\156\140\105\103\103
\040\122\157\156\164\040\103\101\040\055\040\107\063
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\012\074\366\007\251\150\160\016\032\213\204
END

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

# Certificate "emSign Root CA - C1"
#
# Issuer: CN=emSign Root CA - C1,O=eMudhra Inc,OU=emSign PKI,C=US
# Serial Number:00:ae:cf:00:ba:c4:cf:32:f8:43:b2
# Subject: CN=emSign Root CA - C1,O=eMudhra Inc,OU=emSign PKI,C=US
# Not Valid Before: Sun Feb 18 18:30:00 2018
# Not Valid After : Wed Feb 18 18:30:00 2043
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_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\100\063\125\004\006\023\002\125\123\061
\023\060\021\060\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\013\101\040\055\040\030\061
END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\126\061\013\060\011\100\063\125\004\006\023\002\125\123\061
\023\060\021\060\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\013\101\040\055\040\030\061
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3760

[36x36]Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  3760

END

# 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):
# Fingerprint (SHA1):

# KCA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
# KCA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
# KCA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END
# Certificate "emSign ECC Root CA - C3"

# Issuer: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US
# 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):
CKA_CLASS CK_OBJECT_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"

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\132\060\101\013\060\011\006\003\125\004\006\023\002\125\123\061
\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145
\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006\003
\125\004\003\023\027\145\155\123\151\147\156\040\105\103\030\040
\122\157\157\164\040\103\101\040\055\040\103\063
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\012\173\161\266\202\126\270\022\174\234\250
END

CKA_VALUE MULTILINE_OCTAL
\060\202\002\053\060\020\001\126\124\003\020\001\002\002\012\173
\161\266\202\126\270\022\174\234\250\060\012\206\010\052\206\110
\316\075\004\003\003\060\132\061\130\006\003\125\004\006
\023\002\125\123\061\023\060\021\006\003\125\004\013\023\013\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\030\040
\122\157\157\164\040\103\101\040\055\040\103\063
END
# Trust for "emSign ECC Root CA - C3"
# Issuer: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3763
# Certificate "Entrust Root Certification Authority - G4"

# Issuer: CN=Entrust Root Certification Authority - G4,OU=(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:d9:b5:43:7f:af:a9:39:0f:00:00:00:55:65:ad:58
# Subject: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Wed May 27 11:11:16 2015
# Not Valid After : Sun Dec 27 11:41:16 2037
# Fingerprint (SHA-256):

cka_serial_number multiline_octal
\023\015\110\157\156\147\153\157\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101\040\063

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

cka_class CK_OBJECT_CLASS CKO_CERTIFICATE
cka_token CK_BBOOL CK_TRUE
cka_private CK_BBOOL CK_FALSE
cka_modifiable CK_BBOOL CK_FALSE
cka_label UTF8 "Entrust Root Certification Authority - G4"
cka_certificate_type CK_CERTIFICATE_TYPE CKC_X_509
cka_subject multiline_octal
\060\201\276\061\103\060\011\006\003\1\25\004\006\023\002\125\123
\061\102\060\024\006\003\1\25\004\012\023\015\105\156\164\162\165
\163\164\054\040\111\156\143\056\061\050\060\046\006\003\1\25\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\066\071\060\067\006\003\1\25\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\1\25\004\003\023\051\105\156\164\162\165\163\164\040
\12\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
END

CKA_CLASS CK_OBJECT_CLASS 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
024125\164\167\204\004\047\122\153\206\114\316\335\271\145\377
\326\306\136\237\232\202\231\113\165\151\237\65\152\351\227\040\344
\344\166\172\306\320\044\252\220\150\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\121\332\153\137\162\042\253\121\055\102\325\000\234
\231\127\336\273\224\073\127\375\232\365\206\313\126\073\133\3210
\001\134\174\050\113\003\371\111\203\174\262\177\174\343\355\216
\241\177\140\123\216\125\235\120\064\022\017\267\227\173\154\207
\112\047\347\365\155\354\200\067\360\130\031\156\121\150\166\360
\037\222\344\352\265\222\323\141\121\020\013\255\247\333\113\307
\137\334\037\243\134\214\241\176\233\267\236\323\126\157\146\136
\007\026\040\355\013\164\373\146\162\130\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\163\345\010\246\244\002
\226\104\150\012\373\043\250\063\317\031\057\024\304\224\303\173\244
\331\160\237\016\261\200\342\321\236\021\144\251\120\021\072\166
\202\034\142\320\200\330\244\203\355\223\357\174\057\220\260\062
\114\226\025\150\110\122\324\231\010\300\044\350\034\343\263\245
\041\016\222\300\200\037\317\040\137\312\073\070\267\155\072
\363\346\104\270\016\061\153\210\216\160\353\234\027\122\250\101
\224\046\026\177\373\247\246\022\305\165\337\133\300\121\156\173\244
\344\136\206\371\066\224\337\167\303\351\015\300\071\361\171\273
\106\216\253\010\314\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\3230
\123\363\310\162\033\070\160\041\152\121\223\323\221\312\106\332
\211\267\075\123\203\054\010\037\213\127\335\377\254\037

# Trust for "Entrust Root Certification Authority - G4"
# Issuer: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:d9:b5:43:7f:af:a9:39:0f:00:00:00:55:65:ad:58
# Subject: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",OU=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Not Valid Before: Wed May 27 11:11:16 2015
# Not Valid After : Sun Dec 27 11:41:16 2037
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS 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
0241210\116\206\046\067\260\046\257\131\142\134\100\167\354\065
051\272\226\001

Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 3770
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\211\123\361\203\043\267\174\216\005\361\214\161\070\116\037\210
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123 \
\061\026\060\024\060\003\125\004\012\023\015\105\156\164\162\165 \
\163\164\054\040\111\115\164\056\061\050\060\046\006\003\125\004 \
\013\023\037\123\145\145\040\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\060\107\060\067\006\003\125\004\13\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\106\106\060 \
\060\006\003\125\004\003\023\051\105\156\164\162\165\163\164\040 \
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151 \
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107 \
\064
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\031\265\103\177\257\251\071\017\000\000\000\000\125 \
\145\255\130
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Microsoft ECC Root Certificate Authority 2017"
#
# Issuer: CN=Microsoft ECC Root Certificate Authority 2017,O=Microsoft Corporation,C=US
# 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
# CKA_CLASS CK_OBJECT_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
\211\123\361\203\043\267\174\216\005\361\214\161\070\116\037\210
END
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3771
# Trust for "Microsoft ECC Root Certificate Authority 2017"
# Issuer: CN=Microsoft ECC Root Certificate Authority 2017,O=Microsoft Corporation,C=US
# 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
CKA_CLASS CK_OBJECT_CLASS 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_ISSUER MULTILINE_OCTAL
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
END
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
END
CKA_ISSUER MULTILINE_OCTAL
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
END
Certificate "Microsoft RSA Root Certificate Authority 2017"

Issuer: CN=Microsoft RSA Root Certificate Authority 2017, O=Microsoft Corporation, C=US
Subject: CN=Microsoft RSA Root Certificate Authority 2017, O=Microsoft Corporation, C=US
Not Valid After: Fri Jul 18 23:00:23 2042

Certificate "Microsoft RSA Root Certificate Authority 2017"
Certificate_Type CK_Certificate
Subject "Microsoft RSA Root Certificate Authority 2017"
Issuer "Microsoft RSA Root Certificate Authority 2017"
Not_Valid_Before "Wed Dec 18 22:51:22 2019"
Not_Valid_After "Fri Jul 18 23:00:23 2042"
# Trust for "Microsoft RSA Root Certificate Authority 2017"
# Issuer: CN=Microsoft RSA Root Certificate Authority 2017, O=Microsoft Corporation, C=US
# Subject: CN=Microsoft RSA Root Certificate Authority 2017, O=Microsoft Corporation, C=US
# Not Valid After: Fri Jul 18 23:00:23 2042
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Microsoft RSA Root Certificate Authority 2017"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\163\245\346\112\073\377\203\026\377\016\334\314\141\212\220\156
\116\256\115\164
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\020\377\000\377\317\317\317\317\317\317\317\317\317\317\317\317\317\317\317\317\317
\116\256\115\164
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\151\157\156\061
\066\060\064\006\003\125\004\003\023\055\115\151\143\162\157\163
\157\146\164\040\122\123\101\040\122\157\157\164\040\103\145\162
\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151
\164\171\040\062\060\061\067
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\200\200\200\323\227\201\213\230\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):
# 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
CKA_CLASS CK_OBJECT_CLASS 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\234\232\203\003\217\236\232\211\000\137\162\067\234\251\246\235
\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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  3780

```
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "certSIGN Root CA G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\101\061\013\060\011\006\003\125\004\006\023\002\110\125\061
\021\060\017\006\003\125\004\007\014\010\102\165\144\141\160\145
\163\164\060\102\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\104\016\126\101\124\110\125\055\062\063\065\070\064
\064\071\067\061\013\060\034\006\003\125\004\003\014\025\145\055
\123\172\151\147\156\157\040\122\157\157\164\040\103\101\040\062
\060\061\067
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\014\001\124\110\357\041\375\227\131\015\365\004\012
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
```

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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
# Trust for "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):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS 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"

 END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\046\371\223\264\355\075\050\047\260\271\113\247\351\025\035\243
\215\222\345\062
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\214\361\165\212\306\031\317\224\267\367\145\040\207\303\227\307
END

CKA_ISSUER MULTILINE_OCTAL
\060\101\061\013\060\001\100\060\003\125\004\006\023\002\122\117\061
\024\060\022\006\003\125\004\012\023\013\010\105\122\124\123\111
\107\116\040\123\101\061\034\060\032\006\003\125\004\013\023\023
\143\145\162\164\123\111\107\116\040\122\117\117\124\040\103\101
\040\107\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\021\000\064\266\116\306\066\055\066
END

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

#
# Issuer: CN=Trustwave Global Certification Authority,O="Trustwave Holdings, Inc.",L=Chicago,ST=Illinois,C=US
# 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):

CKA_CLASS CK_OBJECT_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

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_VALUE MULTILINE_OCTAL

END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_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
# 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

END

CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Trustwave Global Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\057\217\066\117\341\130\227\104\041\131\207\245\052\232\320\151
\225\046\177\265
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\370\034\030\055\057\272\137\155\241\154\274\307\253\221\307\016
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\210\061\013\060\001\103\000\003\125\004\006\023\002\125\123
\061\021\060\001\170\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\044\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\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\013\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\136\310\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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE 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):
# Fingerprint (SHA1):

# CKA_CLASS CK_OBJECT_CLASS 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
315:355:102:317
END
# CKA_CERT_MD5_HASH MULTILINE_OCTAL

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
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\133\104\343\215\135\066\206\046\350\015\005\322\131\247\203\124 END
CKA_ISSUER MULTILINE_OCTAL
\060\201\221\061\103\060\011\100\06\003\125\004\006\023\125\123
\061\102\060\170\060\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\104\060\037\006\003\125\004\012\023\130
\124\162\165\163\164\167\141\146\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\102\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\146\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\154\101\165\164\150\157
\162\151\164\171

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\014\015\152\137\010\077\050\134\076\121\225\337\135 END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Trustwave Global ECC P384 Certification Authority"
#
# Issuer: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings, Inc.",L=Chicago,ST=Illinois,C=US
# Subject: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings, Inc.",L=Chicago,ST=Illinois,C=US
# Not Valid After : Sat Aug 23 19:36:43 2042
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_CLASS CKC_X_509
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\103\060\011\100\06\003\125\004\006\023\125\123
\061\102\060\170\060\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\104\060\037\006\003\125\004\012\023\130
\124\162\165\163\164\167\141\146\145\040\110\157\154\144\151\156
\147\163\054\040\111\156\143\056\061\102\060\070\006\003\125\004
\003\023\061\124\162\165\163\164\167\141\146\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\154\101\165\164\150\157
\162\151\164\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 ECC P384 Certification Authority"
# Issuer: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings, Inc.".L=Chicago,ST=Illinois,C=US
# Subject: CN=Trustwave Global ECC P384 Certification Authority,O="Trustwave Holdings, Inc.".L=Chicago,ST=Illinois,C=US
# Not Valid After : Sat Aug 23 19:36:43 2042
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_CLASS 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\1225\015\136\322
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\352\317\140\030\040\73\271\025\051\100\241\122\355\170\047\223\326 END

CKA_ISSUER MULTILINE_OCTAL
\060\201\221\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\021\060\017\006\003\125\004\010\023\010\111\154\154\151\156
END
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "AC RAIZ FNMT-RCM SERVIDORES SEGUROS"

# Issuer: CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS,OID.2.5.4.97=VATES-Q2826004J,OU=Ceres,O=FNMT-RCM,C=ES
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM SERVIDORES SEGUROS"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\016\060\014\006\003\125\004\013\014\005\103\145\162
\145\163\061\030\060\026\006\003\125\004\141\014\017\126\101\124
\105\123\055\121\062\070\066\060\060\064\112\061\105\4060\052
\006\003\125\004\003\014\043\101\103\040\012\101\111\132\040\106
\116\115\124\055\122\103\115\040\123\015\122\126\111\104\117\122
\105\123\040\123\105\107\125\122\117\123
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\016\060\014\006\003\125\004\013\014\005\103\145\162
\145\163\061\030\060\026\006\003\125\004\141\014\017\126\101\124
\105\123\055\121\062\070\066\060\060\064\112\061\105\4060\052
\006\003\125\004\003\014\043\101\103\040\012\101\111\132\040\106
\116\115\124\055\122\103\115\040\123\015\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\1\5A\345\304\343\150\134\033\142\335\234\056
\235\225

CKA_VALUE MULTILINE_OCTAL
\060\202\002\156\060\020\001\363\240\003\002\001\100\200\002\020\142
\366\062\1\5A\345\304\343\150\134\033\142\335\234\056\235\225\060

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# 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


# Subject: CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS,OID.2.5.4.97=VATES-Q2826004J,OU=Ceres,O=FNMT-RCM,C=ES

END

CKA_NSS_MOZILLA_CA_POLICY CB_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE

CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3798
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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM SERVIDORES SEGUROS"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\142\377\331\236\300\145\015\003\316\165\223\322\355\077\055\062
\311\343\345\112
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\031\066\234\122\003\057\322\321\273\043\314\335\036\022\125\273
END
CKA_ISSUER MULTILINE_OCTAL
\060\170\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\106\060\014\006\003\125\004\013\014\005\103\145\162
\145\163\060\010\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\11\123\040\106
\116\115\124\055\122\103\115\040\123\105\122\126\111\104\117\122
\105\123\040\123\105\107\125\122\117\123
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\142\366\062\154\345\304\343\150\134\033\142\335\234\056
\235\225
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "GlobalSign Secure Mail Root R45"
#
# Issuer: CN=GlobalSign Secure Mail Root R45,O=GlobalSign nv-sa,C=BE
# 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_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Secure Mail Root R45"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\122\061\130\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\017\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\122\064\065
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\122\061\130\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\017\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\050\060\046\006\003
\125\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040
\123\145\143\165\162\145\040\115\141\151\154\040\122\157\157\164
\040\122\064\065
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\166\123\376\250\114\120\253\237\215\062\265\035\003\217 \127 \334
END
CKA_VALUE MULTILINE_OCTAL
\060\202\005\160\060\202\003\130\240\003\002\001\002\002\020\166
\123\376\250\114\120\253\237\215\062\265\035\003\217 \127 \334
\015\006\011\052\206\110\026\367\015\001\001\014\005\000\060\012
\061\013\060\011\006\003\125\004\006\023\002\102\105\061\031\060
\027\006\003\125\004\012\023\020\017\154\157\142\141\154\123\151
\147\156\040\156\166\055\163\141\061\050\060\046\006\003\125\004
\003\023\037\107\154\157\142\141\154\123\151\147\156\040\123\145
\143\165\162\145\040\115\141\151\154\040\122\157\157\164\040\122
\064\065\060\036\027\015\062\060\060\060\063\061\070\060\060\060\060
\060\060\013\202\070\150\064\065\060\063\061\070\060\060\060 \060\060
\060\132\060\012\206\013\060\011\006\003\125\004\006\023\002\102
\015\056\013\016\009\027\006\003\125\004\012\023\020\017\154\157\142
\141\154\123\151\147\156\040\156\166\055\163\141\061\050\060\046
\006\060\03\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\206\065\060\020\002\042\060\015\060\011\052\206
\110\026\367\015\001\000\014\000\003\202\002\017\000\060\202
\002\012\002\020\020\001\000\033\171\131\141\155\006\371\155\273\334
\126\004\154\177\340\165\314\055\055\011\135\011\133\124\354\133
\167\225\162\277\177\142\235\025\251\212\044\120\137\123\345\333


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\027\041\061\166\267\147\161\110\050\113\045\327\020\350\237\141
\131\026\305\076\062\116\037\014\316\243\314\017\344\307\021\007
\042\057\070\010\335\133\227\353\102\154\131\232\232\356\172\320
\235\337\305\333\011\103\056\012\252\031\075\153\350\152\060\172
\127\346\277\263\132\071\251\127\333\36\117\145\150\266\275\237
\050\217\241\026\013\201\120\072\026\056\035\057\104\021\110\2246
\000\346\061\120\307\77\055\241\017\346\244\140\126\317\171\327\262
\116\327\260\032\156\014\127\043\307\316\037\245\261\114\155\031
\111\136\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\212\060\011\260\140\252
\237\116\334\311\076\060\072\334\142\223\063\260\072\124\164\157
\054\061\105\321\153\021\062\152\150\166\366\075\366\152\203\136
\044\230\347\352\035\232\317\170\202\007\140\367\115\020\232\201
\232\105\215\236\257\233\334\200\307\103\262\225\150\244\033\016
\350\012\107\252\277\124\063\334\001\347\325\246\036\163\330\172
\262\277\057\255\334\125\060\236\337\016\101\274\340\021\135\241
\014\250\042\341\343\000\243\116\160\174\222\343\004\321\172\102
\121\165\220\131\343\233\321\114\242\144\275\163\171\233\157\362
\263\301\136\074
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "GlobalSign Secure Mail Root R45"
# Issuer: CN=GlobalSign Secure Mail Root R45,O=GlobalSign nv-sa,C=BE
# 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

CKA_CLASS CK_OBJECT_CLASS 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"
```

END

```
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\166\030\321\363\200\044\075\122\100\030\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
```
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\166\123\376\252\047\035\225\106\135\326\361\236\345\270
\220\012

END

CKA_VALUE MULTILINE_OCTAL
\060\202\002\041\060\202\001\247\240\003\002\000\100\002\200\166
\123\376\252\047\035\225\106\135\326\361\236\345\270\220\012\060
\012\006\001\052\206\110\316\075\004\003\003\060\122\061\130\060
\011\006\003\125\004\000\060\023\002\012\050\061\031\060\206\002\060
\125\004\012\023\020\020\107\154\157\142\141\154\123\151\147\156\040
\156\160\55\163\141\060\105\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\052\062\060\060\063\061\070\060\060\060\060\060\0132
\027\015\064\065\060\063\061\070\060\060\060\060\060\060\0132\060
\122\061\013\060\011\006\003\125\004\006\023\002\012\050\061\031
\060\027\020\003\125\004\012\023\020\020\107\154\157\142\141\154\123
\151\147\156\040\156\160\55\163\141\061\050\060\046\006\003\0125
\004\003\023\037\107\154\157\142\141\154\123\151\147\156\040\123
\154\153\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\040\023\001\142\000\004\371\171\213\201\107
\067\211\122\260\077\105\111\120\177\032\046\013\223\062\176\065\030
\300\024\010\023\230\013\156\217\233\076\013\042\354\067\123\267\157
\121\260\027\247\047\067\113\155\251\106\073\331\037\377\245\241\104
\273\055\163\277\236\101\007\134\131\233\121\100\072\132\273\157
\070\037\026\221\170\032\112\023\151\035\022\337\132\057\000\210
\226\242\056\034\164\371\123\176\146\067\212\243\102\060\100\060
\016\006\003\125\035\017\001\001\137\007\004\004\003\002\001\206\060
\017\006\003\125\035\023\001\001\137\007\004\005\060\000\031\010\137
\060\035\006\003\125\035\016\004\026\004\024\337\023\136\213\137
\302\100\000\023\75\126\267\224\114\266\036\325\246\261\024\226\060
\012\006\010\052\206\110\316\075\004\003\003\031\150\000\000\060\145
\002\060\023\260\276\327\161\040\076\344\125\234\136\066\022\175
\137\114\037\052\265\151\105\063\131\372\323\055\132\262\344\210\030
\336\022\006\022\171\235\246\153\273\234\137\104\052\173\122
\130\032\22\002\061\000\024\146\034\116\207\235\027\313\135\023\114
\035\012\335\055\040\033\067\307\035\152\265\162\260\331\036\035
\274\032\377\077\360\122\335\103\047\252\144\171\303\344\151\127
\221\057\244\313\174

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "GlobalSign Secure Mail Root E45"
# Issuer: CN=GlobalSign Secure Mail Root E45,O=GlobalSign nv-sa,C=BE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root R46"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\106\061\103\060\011\100\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\04\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\106\103\4\060\003\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\122\064\066
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\106\061\103\060\011\100\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\106\103\4\060\003\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\132\273\271\132\27\030\023\61\001\137\012\23\5\055\320
\337\045\147\321
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\132\27\020\202\003\102\240\003\002\001\002\202\022\102\132\27\271\132\27\030\023\61\001\137\012\23\5\055\320\337\045\147\321
\321\060\015\000\011\052\206\110\206\367\015\100\001\014\000\050
\060\206\061\013\060\011\100\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\106\103\4\060\003\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\093\067\027\015\156\10\107\100\060\063
\062\060\060\060\060\060\060\060\060\132\027\15\156\10\106\060\132\060\105\061\130\060\027\060\003\125\004\012
\023\020\107\154\157\142\141\154\123\151\147\156\040\156\166\055
\163\141\106\103\4\060\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\15\006\01\105\206\110\206\367\015\100\001
\001\005\000\003\02\020\017\000\060\020\020\012\002\202\020\020\001
\000\254\254\046\062\350\263\145\354\272\355\103\046\035\246\211
\105\105\272\051\120\262\224\035\143\333\323\301\054\011\127\211
\071\124\125\351\147\064\167\014\156\344\125\035\122\045\322\023
\153\163\341\035\251\267\175\211\062\137\015\236\237\054\172\143
\140\100\037\246\260\266\170\217\231\124\226\010\130\256\344\006
\274\142\005\002\206\277\275\250\043\003\266\224\017\274\156\154
\302\133\325\246\273\014\351\366\301\002\237\041\336\146\335\027
# Trust for "GlobalSign Root R46"
# Issuer: CN=GlobalSign Root R46,O=GlobalSign nv-sa,C=BE
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root R46"

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

END
# Certificate "GlobalSign Root E46"

# Issuer: CN=GlobalSign Root E46,O=GlobalSign nv-sa,C=BE
# 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):

CKA_CLASS CK_OBJECT_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_SUBJECT_MULTILINE_OCTAL
\060\010\013\006\001\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\114
\123\151\147\156\040\156\166\055\163\141\106\134\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\105\064\066

END

CKA_ID UTF8 "0"

CKA_ISSUER_MULTILINE_OCTAL
\060\060\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\114
\123\151\147\156\040\156\166\055\163\141\106\134\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\105\064\066

END

CKA_SERIAL_NUMBER_MULTILINE_OCTAL
\002\022\021\132\273\272\063\156\324\274\346\044\150\035\015\204
\035\230\350\103

END

CKA_VALUE_MULTILINE_OCTAL
\060\02\022\021\132\273\272\063\156\324\274\346\044\150\035\015\204
\035\230\350\103

END
# Trust for "GlobalSign Root E46"
# Issuer: CN=GlobalSign Root E46,O=GlobalSign nv-sa,C=BE
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE 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

## Certificate

```
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GLOBALSign Root E46"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\071\264\154\325\376\200\006\353\342\057\112\273\010\063\240\257
\333\271\335\204
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\265\270\146\355\336\010\203\343\311\234\001\064\006\254\121\157
END
CKA_ISSUER MULTILINE_OCTAL
\060\010\006\010\13\060\011\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\023\020\107\154\157\142\141\154
\123\151\147\156\040\156\166\055\163\141\061\034\060\032\006\003
\125\004\003\023\023\107\154\157\142\141\154\123\151\147\156\040
\122\157\157\164\040\105\064\066
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\020\022\021\322\273\272\273\272\063\156\324\274\346\044\150\305\015\204
\035\230\350\203
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
```

```
CKA_CLASS CK_OBJECT_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\010\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\11\061\03\106\062\027\006\003\125\004\003\023\020\107
\114\117\102\101\114\124\122\125\123\124\040\062\060\062\060
```
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GLOBALTRUST 2020"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL

CKA_CERT_MD5_HASH MULTILINE_OCTAL

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "ANF Secure Server Root CA"

# Issuer: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de Certificacion,C=ES,serialNumber=G63287510
# Serial Number:0:dd:3c:e3:bc:6c:f9:6b:b1
# Subject: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de Certificacion,C=ES,serialNumber=G63287510
# Not Valid Before: Wed Sep 04 10:00:38 2019
# Not Valid After : Tue Aug 30 10:00:38 2039

CKA_CLASS CK_OBJECT_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

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

CKA_VALUE MULTILINE_OCTAL
# Trust for "ANF Secure Server Root CA"
# Issuer: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de Certificacion,C=ES,serialNumber=G63287510
# Serial Number: 0d:d3:c3:bc:6c:f9:6b:b1
# Subject: CN=ANF Secure Server Root CA,OU=ANF CA Raiz,O=ANF Autoridad de Certificacion,C=ES,serialNumber=G63287510
# Not Valid Before: Wed Sep 04 10:00:38 2019
# Not Valid After : Tue Aug 30 10:00:38 2039
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ANF Secure Server Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\133\156\150\320\314\025\266\240\137\036\301\137\256\002\374\153
\057\135\157\164

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\046\246\104\132\331\257\116\057\262\035\266\145\260\116\350\226
END

CKA_ISSUER MULTILINE_OCTAL
\060\021\204\061\022\060\020\060\003\125\004\005\023\01\1107\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\031\125\004\012\023\036\101
\116\106\040\101\165\164\157\162\151\144\141\144\040\144\145\040
\103\145\162\164\151\146\151\143\141\143\151\157\156\061\024\060
\022\006\003\125\004\013\023\013\101\116\106\040\103\101\040\122
\141\151\172\061\042\060\040\006\031\125\004\003\023\031\101\116
\106\040\123\145\143\165\162\145\040\123\145\162\166\145\162\040
\122\157\157\164\040\103\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\015\323\343\274\154\371\153\261
END

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

#
# Certificate "Certum EC-384 CA"
#
# Issuer: CN=Certum EC-384 CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
\020\010\031\145\162\164\165\155\040\105\043\055\063\070\064\040\0103
\010\060\036\027\015\061\070\060\063\062\066\060\067\062\064\065\064
\064\132\027\015\064\063\060\063\062\066\060\067\062\064\065\064
\132\060\064\061\013\060\011\010\063\142\004\006\023\002\120\0114
\010\061\104\060\037\000\063\031\125\004\012\023\030\101\163\161\134\143
\157\040\014\114\161\140\014\012\171\116\131\164\145\155\163\040\123
\056\101\056\014\077\060\045\006\003\125\004\013\023\036\103\145
\162\164\165\155\040\013\145\162\161\146\151\143\141\164\151
\175\156\040\011\105\164\145\157\162\151\164\171\016\013\060\027
\006\003\125\004\003\023\020\101\145\162\161\165\155\040\105\013
\055\063\070\064\040\013\101\060\166\060\020\006\007\052\026\061\110
\131\067\050\02\001\006\060\05\053\201\004\003\142\000\004\043\004
\050\216\253\030\133\152\276\156\144\067\143\344\015\354\253\072
\367\314\241\270\016\202\111\327\206\051\123\241\224\362\243\140
\170\230\020\117\006\011\536\235\223\016\127\140\020\323\276\434\346
\027\057\032\263\155\002\133\211\043\034\032\021\005\052\247\210
\023\030\363\120\204\327\275\064\054\047\211\125\377\316\114\347
\337\246\037\050\034\060\124\303\271\174\267\123\255\353\302\243
\102\060\100\060\17\006\003\125\035\023\001\000\137\000\040\050\060
\003\001\001\137\007\060\035\060\003\125\035\016\004\026\000\042\024\215
\006\016\146\044\166\072\326\111\367\274\326\275\107\175\057\274
\020\137\113\060\016\006\003\125\035\017\001\001\137\000\040\040\003
\002\001\006\060\012\006\010\052\206\110\316\075\004\003\003\003
\150\000\006\014\052\002\060\003\125\055\246\346\030\041\174\357\311
\120\156\301\047\017\234\207\257\156\325\033\010\030\275\222\051
\301\357\224\222\170\322\072\034\125\211\142\345\033\011\036\272
\144\153\361\166\264\324\002\061\000\264\102\204\231\377\253\347
\236\373\222\122\047\135\334\260\133\060\161\131\16\36\070\032\152
\331\045\347\352\367\14\122\126\370\352\332\066\302\207\145\226
\056\162\045\057\177\337\303\023\311
END
CKA_NSS MOZILLA_CA POLICY CK_BBOOL CK_TRUE
CKA_NSS SERVER DISTRUST AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL DISTRUST AFTER CK_BBOOL CK_FALSE

# Trust for "Certum EC-384 CA"
# Issuer: CN=Certum EC-384 CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# 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):
CKA_CLASS CK OBJECT_CLASS CKO_NSS TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3820
# Certificate "Certum Trusted Root CA"
#
# Issuer: CN=Certum Trusted Root CA,OU=Certum Certification Authority,O=Asseco Data Systems S.A.,C=PL
# 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
# Class CK_OBJECT_CLASS CKO_CERTIFICATE
# Token CK_BBOOL CK_TRUE
# Private CK_BBOOL CK_FALSE
# Modifiable CK_BBOOL CK_FALSE
# Label UTF8 "Certum Trusted Root CA"
# Certificate Type CK_Certificate_Type CKC_X_509
# Subject MultiLine Octal
\016\072\061\013\060\011\006\003\125\004\006\023\002\120\114\061
\041\060\037\000\003\125\004\012\023\030\101\163\163\145\143\157
\040\014\141\164\141\040\123\171\163\164\145\155\163\040\123\056
\101\105\060\101\147\106\100\103\101\163\163\145\143\157
\156\040\101\165\161\150\157\162\151\164\171\061\031\060\027\006
\003\125\004\003\103\123\164\165\155\040\105\103\055
\063\070\064\040\103\101
# Trust Server Auth CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# Trust Email Protection CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# Trust Code Signing CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# Trust Step Up Approved 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
# 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):
CDATA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CDATA_TOKEN CK_BBOOL CK_TRUE
CDATA_PRIVATE CK_BBOOL CK_FALSE
CDATA_MODIFIABLE CK_BBOOL CK_FALSE
CDATA_LABEL UTF8 "Certum Trusted Root CA"
CDATA_CERT_SHA1_HASH MULTILINE_OCTAL
\124\020\175\304\103\030\231\133\136\062\100\346\200\342\106\137
\345\343\301\000\131\250\371\350\040\274\211\110\054\161\107\064\013
\352\127\302\123\066\374\247\324\257\061\131\153\376\002\345\165\372
\271\047\113\136\365\073\312\175\237\251\042\313\120\311\252
\321\107\075\256\167\250\131\144\153\047\317\357\047\301\343\044
\265\020\367\256\176\021\15\260\171\150\321\071\350\220\130\303
\203\027\017\054\326\227\353\160\143\314\040\307\332\267\076\030
\077\277\057\334\064\244\373\053\041\131\147\217\113\136\344\3352
\324\077\341\117\272\112\245\223\105\034\146\070\341\137\214\136
\157\340\166\224\062\313\165\365\156\345\366\217\307\270\244\314
\250\226\175\144\373\044\132\112\003\154\151\073\060\350\000\3103
\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\233\327\010\066\332\152
\104\147\207\257\257\343\105\021\025\151\010\262\276\026\071\1227
\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
CDATA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CDATA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CDATA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 3824
# Certificate "TunTrust Root CA"

# Issuer: CN=TunTrust Root CA,O=Agence Nationale de Certification Electronique,C=TN
# 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):

CKA_CLASS CK_OBJECT_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

END
# Trust for “TunTrust Root CA”
# Issuer: CN=TunTrust Root CA,O=Agence Nationale de Certification Electronique,C=TN
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TunTrust Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\317\351\160\204\017\340\163\017\235\366\014\177\054\113\356\040\002\124\116\061\067\060\065\006\003\125\004\012\140\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\156\124\165\163\164\040\122\157\157\164\040\103\101
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\205\023\271\220\133\066\134\266\136\270\132\370\340\061\127\264
END
CKA_ISSUER MULTILINE_OCTAL
\060\141\060\101\130\060\011\006\003\125\004\006\023\002\124\116\061\067\060\065\006\003\125\004\012\140\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\156\124\165\163\164\040\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\023\002\325\342\100\114\222\106\206\026\147\135\264\273\273\262\153\076\374\023
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Certificate "HARICA TLS RSA Root CA 2021"
#
# Issuer: CN=HARICA TLS RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
# 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):
CKA_CLASS CK_OBJECT_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\140\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\122\123
\101\040\122\157\157\164\040\103\101\040\062\060\062\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\140\056\110\145\154\154\145\156
\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040
\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165
\164\151\157\156\163\040\103\101\061\044\060\042\006\003\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\122\123
\101\040\122\157\157\164\040\103\101\040\062\060\062\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\071\132\223\034\357\103\363\306\216\223\307\364\144\211
\070\176
END
CKA_VALUE MULTILINE_OCTAL
\060\020\005\244\060\202\003\214\240\003\002\001\002\002\020\071
\312\223\034\357\103\363\306\216\223\307\364\144\211\070\176\060
\015\006\011\052\206\110\206\367\015\001\101\13\005\000\060\154
\061\103\060\011\006\003\125\004\006\023\002\107\122\061
\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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  3830
\036\020\021\023\034\022\035\020\023\034\022\023\021\026\004\022\026\004\024
\023\011\024\024\024\022\012\026\022\022\021\026\035\023\022\034\035\027\005\023\020\024
\000\020\021\024\026\006\020\023\026\026\006\020\023\023\020\023\022\022\023
\000\020\021\024\024\024\022\012\026\022\022\021\026\035\023\022\034\035\027\005\023\020\024
\000\020\021\024\026\006\020\023\026\026\006\020\023\023\020\023\022\022\023
\000\020\021\024\024\024\022\012\026\022\022\021\026\035\023\022\034\035\027\005\023\020\024
\000\020\021\024\026\006\020\023\026\026\006\020\023\023\020\023\022\022\023
\000\020\021\024\024\024\022\012\026\022\022\021\026\035\023\022\034\035\027\005\023\020\024
\000\020\021\024\026\006\020\023\026\026\006\020\023\023\020\023\022\022\023
\000\020\021\024\024\024\022\012\026\022\022\021\026\035\023\022\034\035\027\005\023\020\024
\000\020\021\024\026\006\020\023\026\026\006\020\023\023\020\023\022\022\023
# Fingerprint (SHA-256):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HARICA TLS RSA Root CA 2021"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\002\055\005\202\372\210\316\024\014\006\171\336\177\024\020351
\105\327\245\155
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\145\107\233\130\206\335\054\360\374\242\204\037\036\226\304\221
END

CKA_ISSUER MULTILINE_OCTAL
\060\154\061\013\060\011\006\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\014\056\110\145\154\154\154\154\154\154
\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\000\125\004
\003\014\033\110\101\122\111\103\101\040\124\114\123\040\122\123
\101\040\122\157\157\164\040\103\101\040\062\060\062\061
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\071\12\223\034\357\103\363\306\216\223\23\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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
END

CKA_NSS_MOZILLA_CA_POLICY 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
# 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):

CKA_CLASS CK_OBJECT_CLASS 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"

END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

END

CKA_ISSUER_MULTILINE_OCTAL

END
Certificate "HARICA Client RSA Root CA 2021"

Certificate Authority: CN=HARICA Client RSA Root CA 2021,O=Hellenic Academic and Research Institutions CA,C=GR
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

# 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\157\355\134\327\210\314\070\251\334\351\135\331\135\333\330\355

CKA_ISSUER MULTILINE_OCTAL
\060\157\061\133\060\011\100\003\125\004\006\023\002\107\122\061
\067\060\065\006\003\125\004\012\140\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\010\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\125\122\370\036\033\033\044\054\236\273\226\030\135\002
\050\076

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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "HARICA Client ECC Root CA 2021"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164\040\105\103\103\040\122\157\157\164\040\103\101\040\062\060\062\061\END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\157\061\013\060\011\006\003\125\004\006\023\002\107\122\061\067\060\065\006\003\125\004\012\014\056\110\145\154\154\145\156\151\143\040\101\143\141\144\145\155\151\143\040\141\156\144\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156\163\040\103\101\061\047\060\045\006\003\125\004\003\014\036\110\101\122\111\103\101\040\103\154\151\145\156\164\040\105\103\103\040\122\157\157\164\040\103\101\040\062\060\062\061\END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\061\330\331\142\127\036\322\031\104\210\346\020\175\360\END
CKA_VALUE MULTILINE_OCTAL
\060\020\002\132\060\202\001\134\124\009\003\002\001\002\002\020\061\150\033\330\331\142\127\036\322\031\104\210\346\020\175\360\060\012\006\010\052\206\110\316\075\004\003\002\060\157\061\103\060\011\006\003\125\004\006\023\002\107\122\061\125\004\012\014\056\110\145\154\154\145\156\151\143\040\141\156\144\040\000\014\036\110\101\122\111\103\101\040\063\154\151\145\156\164\040\105\103\103\040\122\157\157\164\040\063\101\040\062\060\062\061\END
\162\143\150\040\111\156\163\164\151\151\157\156\163
\040\103\101\061\104\7\060\045\006\031\250\004\003\101\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\060\160\063\036\132\027\015\027
\062\060\062\060\101\061\061\060\063\063\063\132\060\157\060\101\03
\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\131\144\144\145\155\11\143\040\111\156\144\040\122\145\163\145
\141\162\143\150\040\111\156\163\164\151\164\165\141\157\156
\163\040\103\101\061\047\060\045\006\003\125\004\003\014\036\110
\101\122\111\103\010\040\103\154\151\145\156\164\040\105\103\103
\040\122\157\157\164\040\103\101\040\062\060\062\060\160\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\17\202\367
\052\100\372\002\311\311\075\066\246\243\004\152\301\155\225\001
\210\104\022\214\154\134\242\053\156\023\072\210\225\014\034\046
\206\066\112\12\103\127\030\336\073\350\250\120\037\12\337\133
\277\111\200\025\333\333\060\341\035\132\307\052\212\000\100\7376
\155\054\064\357\050\050\227\274\031\171\127\206\225\130\053\117
\236\161\322\151\025\243\12\020\060\100\060\017\060\033\125\035\023
\001\001\377\004\005\060\003\001\001\137\077\006\035\006\060\033\125\035
\016\004\026\060\04\024\122\010\132\227\062\020\045\375\365\032\227
\354\116\137\032\227\123\315\122\025\050\016\060\003\125\035\017
\001\001\377\004\004\003\003\020\126\060\012\060\010\052\206\110
\316\075\004\003\003\003\147\000\060\144\002\060\114\061\105\106
\117\250\346\276\033\167\262\032\030\113\055\210\173\130\346\0253
\224\153\104\003\260\027\377\337\022\163\104\121\054\375\223\035
\006\173\024\322\111\1\354\100\101\347\041\001\056\002\060\057\311
\056\132\154\054\035\331\225\340\236\260\271\134\122\174\346\0370
\070\313\051\366\245\323\11\124\225\370\301\130\136\117
\137\061\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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
# 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):

CKA_CLASS CK_OBJECT_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\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\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

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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

END

CA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Autoridad de Certificacion Firmaprofesional CIF A62634068"
# Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Serial Number: 1b:70:e9:d2:ff:ae:6c:71
# Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Not Valid Before: Tue Sep 23 15:22:07 2014
# Not Valid After : Mon May 05 15:22:07 2036
CA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CA_TOKEN CK_BBOOL CK_TRUE
CA_PRIVATE CK_BBOOL CK_FALSE
CA_MODIFIABLE CK_BBOOL CK_FALSE
CA_LABEL UTF8 "Autoridad de Certificacion Firmaprofesional CIF A62634068"

CKA_CLASS CK_OBJECT_CLASS 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
013276302047042111313071252333065134123343214256
170377266376
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
16156233124114312267372110344220261025113034243
END

CKA_ISSUER MULTILINE_OCTAL
Certificate "vTrus ECC Root CA"

# Issuer: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN
# 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
CKA_CLASS CK_OBJECT_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"

END
# Trust for “vTrus ECC Root CA”

# Issuer: CN=vTrus ECC Root CA,O="iTrusChina Co.,Ltd.",C=CN
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "vTrus ECC Root CA"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\366\234\333\260\374\366\002\023\266\122\062\246\243\221\077\026\160\332\303\341\END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\336\113\301\365\122\214\233\103\341\076\217\125\124\027\215\205\END

CKA_ISSUER MULTILINE_OCTAL
\060\107\061\13\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\105\103\103\040\122\157\157\164\040\103\101\END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\156\152\274\131\125\212\237\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
# 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):
CKA_CLASS CK_OBJECT_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"
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0  3849
END

CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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\131\241\341\012\103\131\150\155\040\122\157\026\060
\024\006\003\125\004\003\023\015\166\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_CERT_MD5_HASH MULTILINE_OCTAL
\270\311\067\337\372\153\061\204\144\305\352\021\152\033\165\374
END

CKA_ISSUER_MULTILINE_OCTAL
\060\01\03\06\01\01\03\06\01\11\00\06\00\03\125\004\006\023\002\103\116\061
\034\060\032\00\03\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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ISRG Root X2"

CKA_CERTIFICATE_TYPE CK_Certificate_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\104\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\060\003\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130 \062
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\170\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\104\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\060\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\132\22\235\32\1\162\352\356\247\200\301\054\154\351\057 \207\122
END

CKA_VALUE MULTILINE_OCTAL
\060\202\002\03\33\060\202\001\241\240\003\002\001\002\002\201\101\322\235\32\1\162\352\356\247\200\301\054\154\351\057 \207\122\060
\012\006\10\052\206\110\316\175\004\003\003\060\117\061\191\306\201\100\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\104\023\020\023\006\031\125\004\003\023\014 \111\123\122\070\040\122\157\157\164\040\130\062\060\036\027\015 \062\060\060\071\060\064\060\060\060\060\060\060\060\060\060\060\060\060\060\060\060\060\060\132\027\015\060\060\060\071\060\066\060\060\060\060\060\060\060\060\117\060\013 \060\011\006\003\125\004\006\023\002\125\123\061\051\060\047\006 \003\125\004\012\023\040\011\115\166\145\162\156\145\164\040\123 \145\143\165\162\151\164\171\104\021\221\121\166\352 \006\337\367\052\026\063\042\244\271\130\053\065\062\340\003\340\036\202 \030\070\213\327\105\330\012\152\156\346\000\167\373\002\121\175 \042\233\012\156\232\133\167\373\360\372\101\354\071\133\465\312 \150\007\014\307\352\243\102\060\100\060\016\006\003\125\035\017 \001\001\377\004\004\003\002\001\006\060\017\006\003\125\035\023 \001\001\377\004\005\060\003\001\001\377\060\035\006\003\125\035 \016\000\026\004\024\174\102\226\256\363\113\110\073\372\222\370 \236\214\317\155\213\251\162\067\252\056\012\006\010\052\206\110 \316\075\004\003\000\003\150\000\000\060\145\050\026\060\173\171\116\106 \120\024\302\104\207\106\033\105\160\377\130\231\133\366\347\375\244 \322\152\246\040\055\164\326\064\274\101\243\120\137\001\047\126 \264\276\047\165\006\257\070\222\056\165\230\215\374\002\061\000\213 \365\167\154\324\310\145\252\340\013\054\356\024\235\047\067\244 \371\123\245\121\344\051\203\327\370\220\061\133\102\237\012\365 \376\256\000\150\347\214\111\017\266\157\133\133\025\362\347 END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "ISRG Root X2"
# Issuer: CN=ISRG Root X2,O=Internet Security Research Group,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

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Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 3853

# Certificate "HiPKI Root CA - G1"

# Issuer: CN=HiPKI Root CA - G1,O="Chunghwa Telecom Co., Ltd.",C=TW
# 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):

CKA_LABEL UTF8 "ISRG Root X2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\275\261\271\074\325\227\215\105\306\046\024\125\370\333\225\307
\132\321\123\257
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\323\236\304\036\043\074\246\337\317\243\176\155\340\024\346\345
END
CKA_ISSUER MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\164\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\143\150\040\107\162\157\165\160\061\025\060\023\006\003
\125\004\003\023\014\111\123\122\107\040\122\157\157\164\040\130
\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\101\322\235\321\162\352\356\247\200\301\054\154\351\057
\207\122
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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

END
CKA_CERT_MD5_HASH MULTILINE_OCTAL

END
CKA_ISSUER MULTILINE_OCTAL

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL

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 "GlobalSign ECC Root CA - R4"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign ECC Root CA - R4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\064\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\016\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156 END
CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\120\061\044\060\042\006\003\125\004\013\023\033\107\154\157
\142\141\154\123\151\147\156\040\105\103\103\040\122\157\157\164
\040\103\101\040\055\040\122\064\061\023\060\021\006\003\125\004
\012\023\012\107\154\157\142\141\154\123\151\147\156\061\023\060
\021\016\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156 END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\125\004\103\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\016\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156 END

CKA_VALUE 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\016\003\125\004\003\023\012\107\154\157\142\141\154\123\151
\147\156 END

CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

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# Trust for "GlobalSign ECC Root CA - R4"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4
# 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):
DOCKER [CLASS] CK_OBJECT_CLASS CKO_NSS_TRUST
DOCKER [TOKEN] CK_BBOOL CK_TRUE
DOCKER [PRIVATE] CK_BBOOL CK_FALSE
DOCKER [MODIFIABLE] CK_BBOOL CK_FALSE
DOCKER [LABEL] UTF8 "GlobalSign ECC Root CA - R4"
DOCKER [CERT_SHA1_HASH] MULTILINE_OCTAL
\153\240\260\230\341\161\357\132\255\376\110\025\200\167\202\364
\275\157\013\050
END
DOCKER [CERT_MD5_HASH] MULTILINE_OCTAL
\046\051\370\155\341\210\277\242\145\177\252\304\315\017\177\374
END
END

CKA_NSS_MOZILLA_CA_POLICY 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"
CKA_NSS_MOZILLA_CA_POLICY 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):
CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_ISSUER_MULTILINE_OCTAL
CKA_SERIAL_NUMBER_MULTILINE_OCTAL
# Certificate "GTS Root R3"

# Issuer: CN=GTS Root R3,O=Google Trust Services LLC,C=US
# 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):

CKA_CLASS CK_OBJECT_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

END

CKA_ID UTF8 "0"

END

CKA_ISSUER MULTILINE_OCTAL
\060\017\070\061\013\060\001\110\006\003\125\004\006\023\002\125\123\061\042\060\004\000\003\125\004\012\023\031\107\157\157\147\154\145\040\124\162\165\163\164\160\012\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\045\047\155\075\146

END

CKA_VALUE MULTILINE_OCTAL
\060\020\015\002\003\345\270\020\135\040\370\045\047\155\075\146

END
END

CKA_NSS_MOZILLA_CA_POLICY 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
# 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):

CKA_CLASS CK_OBJECT_CLASS 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_CLASS CK_OBJECT_CLASS 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
# Certificate "GTS Root R4"

# Issuer: CN=GTS Root R4,O=Google Trust Services LLC,C=US
# 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):

cka_class CK_OBJECT_CLASS CKC_X_509
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
060107060101060009102500040006023002125\123\061
04206004000600031250004006023002125\123\061
040124162165163164040123145162166151143145163040
\1141141030610240600220060003125004003023013107124
\123040122\157\157\164040122\063
end
cka_id UTF8 "0"
cka_issuer MULTILINE_OCTAL
060107060101060009102500040006023002125\123\061
04206004000600031250004006023002125\123\061
040124162165163164040123145162166151143145163040
\1141141030610240600220060003125004003023013107124
\123040122\157\157\164040122\063
end
cka_serial_number MULTILINE_OCTAL
002015002003345270202353040370045047155075146
end
cka_trust_server_auth CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
cka_trust_email_protection CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
cka_trust_code_signing CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
cka_trust_step_up_approved CK_BBOOL CK_FALSE

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END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
0020150020033453001503571430322341162220120122
END
CKA_VALUE MULTILINE_OCTAL
06520611033160750403000006010406000110060031250040060230021251012
06511031017115715714711541450401241162165163164040123
01451621661511431451630401141141030610240600220006
0003125004000902301310712412304012211571164040122
00640600360270150610660606060606206206060606060606006
013260601070610130600110060031250040060230021251012
061042060040006000312500401202303101711571164040123
01450401241162165163164040123145162166151143145163
0401011411030612040600220060031250040003023013107
012412304012215711640401220640601660606020060000
052206110331607500020010060005053201004000000420003142
00000043631641631247150121314025610327006535052010060
17311311112353733011413163463366106275153325141030
06552561003351633672112210601323531074356205174242
10016607325130627010730005234722221152163351261
16027112370512372422303233137136130206145017241204
1450063213342133113071631310214152057345304253321
03552122431020601000600160060003125035017001001001377
0040040300302001206060170060031250350230001001377
00400506000030010013770600350060031250350160004026
0040042420011432363531643777111066243325330374265076
03515236022403521406001206060170060031250350230001001377
0030300300315100600614602006100003501003772033366003
13642372560351727240562721257117366203035016055205
0010535213115152354017302257307136126136134325034
130042050013367060266057261174002061000360141074
24736424202234034013252040351633206234055257312064
2333612371040063342741400032352002632321263310
13413422730241171312315041324224265111103
END
CKA_NSS MOZILLA CA POLICY 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:e5:00:68: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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R4"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\167\323\003\147\265\340\014\025\366\014\070\141\337\174\341\073
\222\106\115\107
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\103\226\203\167\031\115\166\263\235\145\122\344\035\042\245\350
END
CKA_ISSUER MULTILINE_OCTAL
\060\107\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\03\110\157\157\147\154\145
\040\124\162\165\163\164\160\123\145\162\166\151\143\145\163\040
\014\14\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\164\122\064
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\015\002\003\043\350\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

Found in path(s):
* /opt/cola/permits/1255209723_1642677937.1/0/ca-certificates-20211220-r0-tgz/src/ca-certificates-20211220/certdata.txt
* /opt/cola/permits/1255209723_1642677937.1/0/ca-certificates-20211220-r0-tgz/src/ca-certificates-20211220-tar-bz2/ca-certificates-20211220/certdata.txt
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/* c_rehash.c - Create hash symlinks for certificates
 * C implementation based on the original Perl and shell versions
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Found in path(s):
* /opt/cola/permits/1255209723_1642677937.1/0/ca-certificates-20211220-r0-tgz/src/ca-certificates-20211220/c_rehash.c
* /opt/cola/permits/1255209723_1642677937.1/0/ca-certificates-20211220-r0-tgz/src/ca-certificates-20211220-tar-bz2/ca-certificates-20211220/c_rehash.c

1.250 gax-go 2.0.5

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1.251 autotools-dev 20180224.1

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1.252 gojsonreference 0.0.0-20180127040603-bd5ef7bd5415

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1.258 e2fsprogs 1.45.5 2ubuntu1

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image
real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBSJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBSJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \`
  `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) @-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall:: $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Theodore Ts'o
23-June-2007

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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This package was put together by Yann Dirson <dirson@debian.org>,
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Gadi Oxman, August 1995

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1.273 ansible-base 2.10.14

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1.276 xz 5.2.5-r0

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_cred.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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* DNS resolver (dirmngr/dns.c)

```
dns.c - Recursive, Reentrant DNS Resolver.

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1.296 grep 3.4 1

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Please keep the list sorted.

Alain Vongsouvanhalainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Dolan <dolan@lightstep.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@google.com>
Scott Van Woudenberg <scottvw@gmail.com>
Takashi Matsuo <tmatsu@google.com>

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# Please keep the list sorted.

Damian Gryski <dgryski@gmail.com>
Jan Mercl <0xjnml@gmail.com>
Jonathan Swinney <jswinney@amazon.com>
Kai Backman <kaib@golang.org>
Klaus Post <klauspost@gmail.com>
Marc-Antoine Ruel <maruel@chromium.org>
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package api

import (  
    "io/ioutil"  
    "strings"  
    "time"  
)

type License struct {  
    // The unique identifier of the license  
    LicenseID string `json:"license_id"`

    // The customer ID associated with the license  
    CustomerID string `json:"customer_id"`

    // If set, an identifier that should be used to lock the license to a  
    // particular site, cluster, etc.  
    InstallationID string `json:"installation_id"`

    // The time at which the license was issued  
    IssueTime time.Time `json:"issue_time"`

    // The time at which the license starts being valid  
    StartTime time.Time `json:"start_time"`

    // The time after which the license expires  
    ExpirationTime time.Time `json:"expiration_time"`

    // The time at which the license ceases to function and can  
    // no longer be used in any capacity  
    TerminationTime time.Time `json:"termination_time"`

    // The product the license is valid for  
    Product string `json:"product"`

    // License Specific Flags  
    Flags map[string]interface{} `json:"flags""
// Modules is a list of the licensed enterprise modules
Modules []string `json:"modules"

// List of features enabled by the license
Features []string `json:"features"

} type LicenseReply struct {
    Valid    bool
    License  *License
    Warnings []string
} func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return 
        return nil, err
    }
    defer resp.Body.Close()
    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return 
        return nil, err
    }
    return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
if err != nil {
    return nil, err
}
def err resp.Body.Close()

if err := decodeBody(resp, reply); err != nil {
    return nil, err
}

return reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
def err resp.Body.Close()

    if err := decodeBody(resp, reply); err != nil {
        return nil, err
    }

    return reply, nil
}

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tomb - support for clean goroutine termination in Go.

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Alex A. Skinner
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import (   "encoding/json"
   "github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    LicenseProps
    VendorExtensible
}

type LicenseProps struct {
    Name string `json:"name;omitempty"`
    URL  string `json:"url;omitempty"`
}
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}

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    "bytes"  
    "context"  
    "encoding/xml"  
    "fmt"  
    "net/http"  
    "net/url"
  
  "github.com/minio/minio-go/v7/pkg/s3utils"
)

// objectLegalHold - object legal hold specified in
// https://docs.aws.amazon.com/AmazonS3/latest/API/archive-RESTObjectPUTLegalHold.html
type objectLegalHold struct {  
    XMLNS string  
    `xml:"xmlns,attr.omitempty""
}
XMLName xml.Name `xml:"LegalHold"
Status LegalHoldStatus `xml:"Status,omitenpy"

// PutObjectLegalHoldOptions represents options specified by user for PutObjectLegalHold call
type PutObjectLegalHoldOptions struct {
VersionID string
Status *LegalHoldStatus
}

// GetObjectLegalHoldOptions represents options specified by user for GetObjectLegalHold call
type GetObjectLegalHoldOptions struct {
VersionID string
}

// LegalHoldStatus - object legal hold status.
type LegalHoldStatus string

const (
// LegalHoldEnabled indicates legal hold is enabled
LegalHoldEnabled LegalHoldStatus = "ON"

// LegalHoldDisabled indicates legal hold is disabled
LegalHoldDisabled LegalHoldStatus = "OFF"
)

func (r LegalHoldStatus) String() string {
return string(r)
}

// IsValid - check whether this legal hold status is valid or not.
func (r LegalHoldStatus) IsValid() bool {
return r == LegalHoldEnabled || r == LegalHoldDisabled
}

func newObjectLegalHold(status *LegalHoldStatus) (*objectLegalHold, error) {
if status == nil {
return nil, fmt.Errorf("Status not set")
}
if !status.IsValid() {
return nil, fmt.Errorf("invalid legal hold status `\%v\`, status")
}
legalHold := &objectLegalHold{
Status: *status,
}
return legalHold, nil
}
// PutObjectLegalHold: sets object legal hold for a given object and versionID.
func (c Client) PutObjectLegalHold(ctx context.Context, bucketName, objectName string, opts
PutObjectLegalHoldOptions) error {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return err
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return err
    }

    // Get resources properly escaped and lined up before
    // using them in http request.
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", ")

    if opts.VersionID != "" {
    }

    lh, err := newObjectLegalHold(opts.Status)
    if err != nil {
        return err
    }

    lhData, err := xml.Marshal(lh)
    if err != nil {
        return err
    }

    reqMetadata := requestMetadata{
        bucketName: bucketName,
        objectName: objectName,
        queryValues: urlValues,
        contentBody: bytes.NewReader(lhData),
        contentLength: int64(len(lhData)),
        contentMD5Base64: sumMD5Base64(lhData),
        contentSHA256Hex: sum256Hex(lhData),
    }

    // Execute PUT Object Legal Hold.
    defer closeResponse(resp)
    if err != nil {
        return err
    }
    if resp != nil {

    return httpRespToErrorResponse(resp, bucketName, objectName)
}

return nil

// GetObjectLegalHold gets legal-hold status of given object.
func (c Client) GetObjectLegalHold(ctx context.Context, bucketName, objectName string, opts GetObjectLegalHoldOptions) (status *LegalHoldStatus, err error) {

    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return nil, err
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return nil, err
    }
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")

    if opts.VersionID != "" {
    }

    // Execute GET on bucket to list objects.
    resp, err := c.executeMethod(ctx, http.MethodGet, requestMetadata{
        bucketName:   bucketName,
        objectName:   objectName,
        queryValues:  urlValues,
        contentSHA256Hex: emptySHA256Hex,
    })
    defer closeResponse(resp)
    if err != nil {
        return nil, err
    }
    if resp != nil {
        if resp.StatusCode != http.StatusOK {
            return nil, httpRespToErrorResponse(resp, bucketName, objectName)
        }
    }
    lh := &objectLegalHold{
    }
    if err = xml.NewDecoder(resp.Body).Decode(lh); err != nil {
        return nil, err
    }

    return &lh.Status, nil
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Portions of the client are based on code at:
https://github.com/google/go-github/

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Metadata-Version: 2.1
Name: CacheControl
Version: 0.12.10
Summary: httplib2 caching for requests
Home-page: https://github.com/ionrock/cachecontrol
Author: Eric Larson
Author-email: eric@ionrock.org
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==============
CacheControl
==============
CacheControl is a port of the caching algorithms in httplib2 for use with requests session object.

It was written because httplib2's better support for caching is often mitigated by its lack of thread safety. The same is true of requests in terms of caching.

Quickstart
==========

```python
import requests

from cachecontrol import CacheControl

sess = requests.session()
cached_sess = CacheControl(sess)

response = cached_sess.get('http://google.com')
```

If the URL contains any caching based headers, it will cache the result in a simple dictionary.

For more info, check out the docs_

.. _docs: http://cachecontrol.readthedocs.org/en/latest/
.. _httplib2: https://github.com/httplib2/httplib2
.. _requests: http://docs.python-requests.org/

Keywords: requests http caching web
Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Environment :: Web Environment
Classifier: License :: OSI Approved :: Apache Software License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 3.6
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1.299 mpdecimal 2.5.1-r1

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lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
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lib/st/thrift.st
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test/OptionalRequiredTest.thrift
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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravelloystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations
* Josh Schneier <https://github.com/jschneier>
* HTTPHeaderDict and associated tests and docs
* Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
* Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
* source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
* PEP8 Compliance and Linting
* Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
* Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
* Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
* Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
* Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
* Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
* Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
* Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
* Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
* Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
* IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
* App Engine environment tests.
* Documentation re-write.
* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
  * Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme
* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when `amt=None`.
  * Added `length_remaining` to determine remaining data to be read.
  * Added `enforce_content_length` to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alexdias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moinl8@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for `status_forcelist` retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite
* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
  * Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside
    `HTTPConnectionPool._make_request()`, also for `BaseExceptions`

* Jorge Lopez Silva <https://github.com/jalopezsilva>
  * Added support for forwarding requests through HTTPS proxies.

* Benno Rice <benno@jeamland.net>
  * Allow `cadata` parameter to be passed to underlying `SSLContext.load_verify_locations()`.

* Keiichi Kobayashi <abok.1k@gmail.com>
  * Rename `VerifiedHTTPSConnection` to `HTTPSConnection`

* Himanshu Garg <garg_himanshu@outlook.com>
  * DOC & LICENSE Update

* Hod Bin Noon <bin.noon.hod@gmail.com>
  * Test improvements

* Chris Olufson <tycarac@gmail.com>
* Fix for connection not being released on HTTP redirect and response not preloaded

* [Bastiaan Bakker] <https://github.com/bastiaanb>
* Support for logging session keys via environment variable ``SSLKEYLOGFILE`` (Python 3.8+)

* [Ezzeri Esa] <https://github.com/savarin>
* Ports and extends on types from typeshed

* [Your name or handle] <[email or website]>
* [Brief summary of your changes]

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1.307 python-certifi 2021.10.8

1.307.1 Available under license :

This package contains a modified version of ca-bundle.crt:

```
cabundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
```
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.308 gomodule-redigo 2.0.0+incompatible
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1.309 dash 0.5.10.2 6

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1.310 go-datemath 0.1.1-0.20200323150745-74ddef604fff
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1.311 nghttp2 1.46.0-r0
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1.312 libpsl 0.21.0-1ubuntu1

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  psl-make-dafsa and lookup_string_in_fixed_set.c.

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1.313 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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Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
Laurent <laurent@adyoulike.com>
Patrick Lee <patrick@dropbox.com>
Peter Edge <peter.edge@gmail.com>
Roger Johansson <rogeralsing@gmail.com>
Sam Nguyen <sam.nguyen@sendgrid.com>
Sergio Arbeo <serabe@gmail.com>
Stephen J Day <stephen.day@docker.com>
Tamir Duberstein <tamird@gmail.com>
Todd Eisenberger <teisenberger@dropbox.com>
Tormod Erevik Lea <tormodlea@gmail.com>
Vyacheslav Kim <kane@sendgrid.com>
Walter Schulze <awalterschulze@gmail.com>

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1.316 zlib 1.2.11.dfsg-2ubuntu1.2

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    version 1.2.11, January 15th, 2017

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    Jean-loup Gailly       Mark Adler
    jloup@gzip.org         madler@alumni.caltech.edu

    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).

*/
1.317 x-sys 0.0.0-20201022201747-fb209a7c41cd

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1.320 pam 1.5.2-r0

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1.321 prometheus-node-exporter 1.0.0-rc.0.0.20200428091818-01054558c289

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This is a small tool that updates the license header for Uber's open source Golang files.

## Installation

```
go get go.uber.org/tools/update-license```

## Usage

```
update-license go_files...
```
## Further Work

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* github.com/BurntSushi/toml - https://github.com/BurntSushi/toml

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`,
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Configurable modular Prometheus exporter for various node metrics.
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1.323 sed 4.7 1

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1.324 coreutils 8.30 3ubuntu2

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have designed this version of the GPL to prohibit the practice for those
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of the GPL, as needed to protect the freedom of users.

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## 1.325 prometheus-client 0.2.0

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* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/x_user_defined.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/tests.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/labels.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/__init__.py

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from setuptools import setup, find_packages
import io
import os
import re

VERSION = re.search("VERSION = '([^']*)'", io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8'
).read()).group(1)

LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8'
).read()

setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
    maintainer='Geoffrey Sneddon',
    maintainer_email='me@gsnedders.com',
    description='Character encoding aliases for legacy web content',
    long_description=LONG_DESCRIPTION,
classifiers=[
    'Development Status :: 4 - Beta',
    'Intended Audience :: Developers',
    'License :: OSI Approved :: BSD License',
    'Programming Language :: Python',
    'Programming Language :: Python :: 2',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Programming Language :: Python :: 3.6',
    'Programming Language :: Python :: Implementation :: CPython',
    'Programming Language :: Python :: Implementation :: PyPy',
    'Topic :: Internet :: WWW/HTTP',
],
packages=find_packages(),
)

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/setup.py
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webencodings.mklabels
~~~~~~~~~~~~~~~~~~~~~

Regenerate the webencodings.labels module.

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import json
try:
    from urllib import urlopen
except ImportError:
    from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string
def generate(url):
    parts = [""
    
webencodings.labels

Map encoding labels to their name.

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# XXX Do not edit!
# This file is automatically generated by mklabels.py

LABELS = {
    
    labels = [
        (repr(assert_lower(label)).lstrip('u'),
         repr(encoding['name']).lstrip('u'))
        for category in json.loads(urlopen(url).read().decode('ascii'))
        for encoding in category['encodings']
        for label in encoding['labels']]
    max_len = max(len(label) for label, name in labels)
    parts.extend(
        '    %s:%s %s,
' % (label, ' ' * (max_len - len(label)), name)
        for label, name in labels)
    parts.append('}
    return ''.join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1/tar-gz/webencodings-
  0.5.1/webencodings/mklabels.py
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: webencodings
Version: 0.5.1
Summary: Character encoding aliases for legacy web content
Home-page: https://github.com/SimonSapin/python-webencodings
Author: Geoffrey Sneddon
Author-email: me@gsnedders.com
License: BSD
Description: python-webencodings

This is a Python implementation of the `WHATWG Encoding standard
<http://encoding.spec.whatwg.org/>`_

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker: https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
* License: BSD
* Python 2.6+ and 3.3+

In order to be compatible with legacy web content
when interpreting something like `Content-Type: text/html; charset=latin1`,
tools need to use a particular set of aliases for encoding labels
as well as some overriding rules.
For example, `US-ASCII` and `iso-8859-1` on the web are actually
aliases for `windows-1252`, and an UTF-8 or UTF-16 BOM takes precedence
over any other encoding declaration.
The Encoding standard defines all such details so that implementations do
not have to reverse-engineer each other.

This module has encoding labels and BOM detection,
but the actual implementation for encoders and decoders is Pythons.

Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
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Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
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Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Internet :: WWW/HTTP

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1/egg-info/PKG-INFO
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1/PKG-INFO
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python-webencodings
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* Latest documentation: http://packages.python.org/webencodings/
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In order to be compatible with legacy web content
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The Encoding standard defines all such details so that implementations do
not have to reverse-engineer each other.

This module has encoding labels and BOM detection,
but the actual implementation for encoders and decoders is Pythons.

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* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0.5.1-1-tar-gz/webencodings-0.5.1/README.rst

1.327 go-uuid 1.1.0
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test/test-apparmor-activation.sh
test/corrupt.c
test/data/dbus-installed-tests.aaprofile.in
test/dbus-daemon-eavesdrop.c
test/dbus-daemon.c
test/fdpass.c
test/internals/printf.c
test/internals/ref.c
test/internals/syslog.c
test/loopback.c
test/manual-authz.c
test/marshal.c
test/monitor.c
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1.332 robot-telemetry_proto 0.0.0-20210520062046-a73bb180cba4

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/*
* Generated by ncsc --mib2yang-std
* Source: MIB_SOURCES_POST_PROCESSED/CISCO-IMAGE-LICENSE-MGMT-MIB.mib
*/
/
/ *
* This YANG module has been generated by smidump 0.5.0:
* *
*   smidump -f yang CISCO-IMAGE-LICENSE-MGMT-MIB
* *
* Do not edit. Edit the source file instead!
*/

module CISCO-IMAGE-LICENSE-MGMT-MIB {

  prefix "cisco-image-license-mgmt-mib";

  import ENTITY-MIB {
    prefix "entity-mib";
  }
import SNMP-FRAMEWORK-MIB {
    prefix "snmp-framework";
}

import ietf-yang-smiv2 {
    prefix "smiv2";
}

organization
"Cisco Systems Inc.";

contact
"Cisco Systems
Customer Service
Postal: 170 W Tasman Drive
San Jose, CA  95134
USA
Tel: +1 800 553 -NETS
E-mail: cs-snmp@cisco.com";

description
"The MIB module for managing the running image level of a Cisco device. Cisco's licensing mechanism provides flexibility to run a device on a chosen image level. This mechanism is referred to as image level licensing. Image level licensing leverages the universal image based licensing solution.

The image level licensing mechanism works as follows -

A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems. The user can configure the image level with which the device has to boot. The system will verify whether the appropriate license is available for the configured image level. The image level for the next boot will be determined based on the availability of the license. The following scenarios explains some use-cases of image level licensing:

Scenario 1:
- Customer selects advsecurityk9 based image.
- Manufacturing installs advsecurity license on the device.
- This device will run all features that are part of the base advsecurity license."
- Customer upgrades to advipservicesk9 license.
- The next boot level is set to advipservicesk9.
- The device will run advsecurityk9 feature until the next reboot. After reboot the device will run advipservicesk9 features.

Scenario 2:
- Customer selects advipservicesk9 based image.
- Manufacturing installs advipservices and advsecurity license on the device.
- This device will run all features that are part of the base advipservices license.
- No upgrades available for advipservices license.

The user has to accept the End User License Agreement (EULA) before using this MIB to configure the image level.

This MIB should be used in conjunction with CISCO-LICENSE-MGMT-MIB module to achieve the image level licensing functionality.

This MIB module defines objects which provides the different image levels supported by the device and the license required to enable a particular image level. It also defines objects to let the user configure the required image level. The MIB module contains notification which will be triggered when the user changes the image level for next boot.

The CISCO-LICENSE-MGMT-MIB module should be used to export the EULA and to configure the required license.

This MIB module is defined generically so it can be used for both stand-alone as well as stackable devices. The entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely.

revision 2007-10-16 {
  description
    "Initial version of this MIB module.";
}

typedef BootImageLevel {
  type binary {
    length "0..255";
  }
  description
    "This textual convention is used to define the image level.";
If the device is running at advipservices image level, then the boot image level will be 'advipservices'.

typedef LicenseNameList {
  type binary {
    length "0..255";
  }
  description
  "This textual convention is used to define the list of license names. If multiple licenses are present then this string will contain all the licenses seperated by the ',' character.

  If the license required to run a device at advipservices image level is advipservices and advsecurity, then the license name list will be 'advipservices,advsecurity'."
}

container CISCO-IMAGE-LICENSE-MGMT-MIB {
  config false;

  container ciscoImageLicenseMgmtMIBObjects {
    smiv2:oid "1.3.6.1.4.1.9.9.640.1";

    leaf cilmEULAAccepted {
      type boolean;
      description
      "This object when set to TRUE means that the user has accepted the END USER LICENSE AGREEMENT. This object has to be set to TRUE by the user before using the objects in the cilmBootImageLevelTable to configure the license.";
      smiv2:defval "false";
      smiv2:max-access "read-write";
      smiv2:oid "1.3.6.1.4.1.9.9.640.1.3";
    }
  }

  container cilmNotifCntl {
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.4";

    leaf cilmImageLevelChangedNotif {
      type boolean;
    }
  }
}
description
"Specify whether or not a notification should be
generated on the detection of change in next boot
image level.

If set to TRUE, cilmBootImageLevelChanged notification
will be generated. It is the responsibility of the
management entity to ensure that the SNMP administrative
model is configured in such a way as to allow the
notification to be delivered."
reference
"See also RFC3413 for explanation that notifications
are under the ultimate control of the MIB module in
this document."
smiv2:defval "false"
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.640.1.4.1"
}
}

container cilmBootImageLevelTable {
  description
  "A table that contains the configuration information of
current and next boot image level. This table contains
entries for each software module running in an image
loaded in the device. The software module is identified by
softModuleName and the device is identified by
entPhysicalIndex."
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1"

list cilmBootImageLevelEntry {
  key "entPhysicalIndex cilmModuleName"
  description
  "An entry in the table for each module containing the
  list of objects that define the configuration of next
  boot level. The following information is specified by
  the objects present in the table.

  - Current image level.
  - Configured image level for the next boot.
  - Actual image level for the next boot.
  - License store index for the current license.
  - License index of the current license.
  - License store index for the next boot license.
  - License index of the next boot license."
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1"

  leaf entPhysicalIndex {

type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
}

leaf cilmModuleName {
    type snmp-framework:SnmpAdminString;
    description
    "This object is used as one of the two indices in cilmBootImageLevelTable. This object indicates the module name of the software package. There can be multiple modules in an image performing specific functionality. For example, in a wireless image there can be two modules - a base image module and a wireless module.";
    smiv2:max-access "not-accessible";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.1";
}

leaf cilmCurrentImageLevel {
    type cisco-image-license-mgmt-mib:BootImageLevel;
    description
    "This object indicates the current image level that the module is running.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.2";
}

leaf cilmConfiguredBootImageLevel {
    type cisco-image-license-mgmt-mib:BootImageLevel;
    description
    "This object indicates the configured image level of the module for the next boot.

    Note: The configured next boot image level may not be the actual next boot image level. The actual next boot image level is denoted by cilmNextBootImageLevel which is determined based on the license availability.";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.3";
}

leaf cilmNextBootImageLevel {
    type cisco-image-license-mgmt-mib:BootImageLevel;
    description
    "This object indicates the next boot image level. The next boot image level can be different from configured level. The next boot image level is determined based
leaf cilmCurrentLicenseStoreIndex {
    type uint32;
    description
        "This object indicates the license store index where the
        currently used license is stored. This object has the same
        value as clmgmtLicenseStoreIndex object and uniquely
        identifies an entry in clmgmtLicenseStoreInfoTable in
        CISCO-LICENSE-MGMT-MIB.

        Note: The license store index can be '0' if no license is
        installed and device is running base image."
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.5";
}

leaf cilmCurrentLicenseIndex {
    type uint32;
    description
        "This object indicates the license index of the currently used
        license. This object has the same value as clmgmtLicenseIndex and
        uniquely identifies an entry in clmgmtLicenseInfoTable in
        CISCO-LICENSE-MGMT-MIB.

        Note: The license index can be '0' if no license is
        installed and device is running base image."
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.6";
}

leaf cilmNextBootLicenseStoreIndex {
    type uint32;
    description
        "This object indicates the license store index where the
        next boot license is stored. This object has the same
        value as clmgmtLicenseStoreIndex object and uniquely
        identifies an entry in clmgmtLicenseStoreInfoTable in
        CISCO-LICENSE-MGMT-MIB.

        Note: The license store index can be '0' if no license is
        installed for the next boot."
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.7";
}
leaf cilmNextBootLicenseIndex {
  type uint32;
  description
  "This object indicates the license index of the next boot
  license. This object has the same value as clmgmtLicenseIndex
  and uniquely identifies an entry in clmgmtLicenseInfoTable in
  CISCO-LICENSE-MGMT-MIB.

  Note: The license index can be '0' if no license is
  installed for the next boot."
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.8";
}
}
}

container cilmImageLevelToLicenseMapTable {
  description
  "This table contains the mapping between different
  image levels of each modules in the image and the
  license required to run the modules at a particular
  image level. This table can be used to identify the
  different image levels and the appropriate licenses
  required for each."
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2";
}

list cilmImageLevelToLicenseMapEntry {
  key "entPhysicalIndex cilmModuleName cilmImageLicenseMapIndex";
  description
  "An entry in the table containing the following
  information.
  - The image levels at which the modules can be run.
  - The license required to run a module at a
    particular image level.
  - The priority of the license."
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1";

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }

  leaf cilmModuleName {
    type leafref {
      path "/cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-"
leaf cilmImageLicenseMapIndex {
    type uint32;
    description
    "This is a running index used to identify an entry
    of this table.";
    smiv2:max-access "not-accessible";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.1";
}

leaf cilmImageLicenseImageLevel {
    type cisco-image-license-mgmt-mib:BootImageLevel;
    description
    "This object indicates the image level at which
    a module can be run. A module can be run at
different image levels. An entry will be created
in this table for every module and image level
combination.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.2";
}

leaf cilmImageLicenseName {
    type cisco-image-license-mgmt-mib:LicenseNameList;
    description
    "This object indicates the list of licenses needed to
be installed for the module to run at the image level
mentioned by cilmImageLicenseImageLevel object of this
entry.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.3";
}

leaf cilmImageLicensePriority {
    type uint32 {
        range "1..255";
    }
    description
    "This object indicates the priority of the image level
mentioned by cilmImageLicenseImageLevel object of this
entry. The image level with the highest priority license
will be considered as the default level in the absence of
next boot image level configuration. For example if there
are three licenses l1, l2 and l3 in the ascending order of
priority, then by default l1 will be the level at which the module will be running. If the next boot level is configured then the configuration will override the priority. The highest priority license supports a feature set which is a super set of all other licenses.

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.4";
}
}
}
}

notification cilmBootImageLevelChanged {

description
"This notification is triggered when next boot image level is changed in the management entity. The current and configured image level are indicated by cilmCurrentImageLevel and cilmConfiguredBootImageLevel objects respectively."

smiv2:oid "1.3.6.1.4.1.9.9.640.0.1";

container object-1 {

leaf entPhysicalIndex {

type leafref {

path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
}
}

leaf cilmModuleName {

type leafref {

}
}

leaf cilmCurrentImageLevel {

type leafref {

}
}

container object-2 {


leaf entPhysicalIndex {
    type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
}

leaf cilmModuleName {
    type leafref {
    }
}

leaf cilmConfiguredBootImageLevel {
    type leafref {
    }
}

smiv2:alias "ciscoImageLicenseMgmtMIB" {
    smiv2:oid "1.3.6.1.4.1.9.9.640";
}

smiv2:alias "ciscoImageLicenseMgmtMIBNotifs" {
    smiv2:oid "1.3.6.1.4.1.9.9.640.0";
}

smiv2:alias "ciscoImageLicenseMgmtMIBObjects" {
    smiv2:oid "1.3.6.1.4.1.9.9.640.1";
}

smiv2:alias "cilmNotifCntl" {
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.4";
}

smiv2:alias "ciscoImageLicenseMgmtMIBConform" {
    smiv2:oid "1.3.6.1.4.1.9.9.640.2";
}

smiv2:alias "cilmModuleCompliances" {
    smiv2:oid "1.3.6.1.4.1.9.9.640.2.1";
}
smiv2:alias "cilnModuleGroups" {
  smiv2:oid "1.3.6.1.4.1.9.9.640.2.2";
}

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JUNIPER-LICENSE-MIB DEFINITIONS ::= BEGIN

IMPORTS

MODULE-IDENTITY, OBJECT-TYPE, Unsigned32, TimeTicks, IpAddress,
NOTIFICATION-TYPE

FROM SNMPv2-SMI

jnxLicenseMibRoot

FROM JUNIPER-SMI

DisplayString

FROM SNMPv2-TC;

jnxLicenseMIB MODULE-IDENTITY

LAST-UPDATED "201007090000Z"

ORGANIZATION "Juniper Networks, Inc."

CONTACT-INFO

"Juniper Technical Assistance Center

Juniper Networks, Inc.

1194 N. Mathilda Avenue

Sunnyvale, CA 94089

E-mail: support@juniper.net"

DESCRIPTION

"Implementation of enterprise specific MIB for license commands and configuration."

REVISION "201007090000Z" -- Jul 09, 2010

DESCRIPTION

"Initial version."

::=  {  jnxLicenseMibRoot  1  }

jnxLicenseNotifications OBJECT IDENTIFIER ::=  {  jnxLicenseMIB  0  }

jnxLicenseObjects OBJECT IDENTIFIER ::=  {  jnxLicenseMIB  1  }

jnxLicenseInstallObjects OBJECT IDENTIFIER ::=  { jnxLicenseObjects 1  }

jnxLicenseSettings OBJECT IDENTIFIER ::=  { jnxLicenseObjects 2  }

-- ****************************************************************
-- License table for installed licenses
-- ****************************************************************

jnxLicenseInstallTable OBJECT-TYPE

SYNTAX  SEQUENCE OF JnxLicenseInstallEntry

MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "This table contains installed feature license information."
 ::= { jnxLicenseInstallObjects 1 }

jnxLicenseInstallEntry OBJECT-TYPE
SYNTAX JnxLicenseInstallEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "A row of giving installed feature license information."
INDEX { IMPLIED jnxLicenseId }
 ::= { jnxLicenseInstallTable 1 }

JnxLicenseInstallEntry ::= SEQUENCE {
    jnxLicenseId DisplayString,
    jnxLicenseVersion INTEGER,
    jnxLicenseDeviceId DisplayString,
    jnxLicenseType INTEGER,
    jnxLicenseKeys OCTET STRING
}

jnxLicenseId OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Installed feature licenses Id."
 ::= { jnxLicenseInstallEntry 1 }

jnxLicenseVersion OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License Version information"
 ::= { jnxLicenseInstallEntry 2 }

jnxLicenseDeviceId OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License Device Id"
 ::= { jnxLicenseInstallEntry 3 }

jnxLicenseType OBJECT-TYPE
SYNTAX INTEGER { invalid(0), count-down(1), date-based(2), permanent(3) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License type information"
 ::= { jnxLicenseInstallEntry 4 }
jnxLicenseKeys OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License Keys"
 ::= { jnxLicenseInstallEntry 5 }

-- Feature Listing Table

jnxLicenseFeatureListTable OBJECT-TYPE
SYNTAX SEQUENCE OF JnxLicenseFeatureListEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "list of features supporting Licensing."
 ::= { jnxLicenseInstallObjects 2 }

jnxLicenseFeatureListEntry OBJECT-TYPE
SYNTAX JnxLicenseFeatureListEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "A row of licensed features."
INDEX { jnxLicenseFeatureId }
 ::= { jnxLicenseFeatureListTable 1 }

JnxLicenseFeatureListEntry ::= SEQUENCE {
    jnxLicenseFeatureId INTEGER,
    jnxLicenseFeatureName DisplayString,
    jnxLicenseFeatureDescr DisplayString,
    jnxLicenseFeatureLicenseId DisplayString,
    jnxLicenseFeatureLicenseUsed INTEGER,
    jnxLicenseFeatureLicenseInstalled INTEGER,
    jnxLicenseFeatureLicenseNeeded INTEGER
 }

jnxLicenseFeatureId OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Feature Id to point an entry in this table"
 ::= { jnxLicenseFeatureListEntry 1 }

jnxLicenseFeatureName OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Feature Name"
 ::= { jnxLicenseFeatureListEntry 2 }
jnxLicenseFeatureDescr OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Feature Name"
 ::= { jnxLicenseFeatureListEntry 3 }

jnxLicenseFeatureLicenseId OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Feature License Id"
 ::= { jnxLicenseFeatureListEntry 4 }

jnxLicenseFeatureLicenseUsed OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Licenses Used"
 ::= { jnxLicenseFeatureListEntry 5 }

jnxLicenseFeatureLicenseInstalled OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Licenses Installed"
 ::= { jnxLicenseFeatureListEntry 6 }

jnxLicenseFeatureLicenseNeeded OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Licenses Needed"
 ::= { jnxLicenseFeatureListEntry 7 }

-- ****************************************************************
-- License configuration parameters
-- ****************************************************************

jnxLicenseRenewBeforExpiration OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License renew lead time before expiration in days."
 ::= { jnxLicenseSettings 1 }
jnxLicenseRenewInterval  OBJECT-TYPE
SYNTAX    INTEGER
MAX-ACCESS read-only
STATUS    current
DESCRIPTION
   "License checking interval in hours."
 ::= { jnxLicenseSettings  2 }

jnxLicenseAutoUpdate  OBJECT-TYPE
SYNTAX    DisplayString
MAX-ACCESS read-only
STATUS    current
DESCRIPTION
   "License auto update URL of a license server."
 ::= { jnxLicenseSettings  3 }

-- ********************************************************************
-- define branches for jnx license traps
-- ********************************************************************

jnxLicenseGraceExpired NOTIFICATION-TYPE
OBJECTS  { jnxLicenseFeatureName }
STATUS   current
DESCRIPTION
   "The SNMP trap that is generated when the license grace period for
   feature identified by jnxLicenseFeatureName is expired"
 ::= { jnxLicenseNotifications 1 }

jnxLicenseGraceAboutToExpire NOTIFICATION-TYPE
OBJECTS  { jnxLicenseFeatureName }
STATUS   current
DESCRIPTION
   "The SNMP trap that is generated when the license grace period for
   feature identified by jnxLicenseFeatureName is about to expire"
 ::= { jnxLicenseNotifications 2 }

jnxLicenseAboutToExpire NOTIFICATION-TYPE
OBJECTS  { jnxLicenseFeatureName }
STATUS   current
DESCRIPTION
   "The SNMP trap that is generated when the license period for
   feature identified by jnxLicenseFeatureName is about to expire"
 ::= { jnxLicenseNotifications 3 }

jnxLicenseInfringeCumulative NOTIFICATION-TYPE
OBJECTS  { jnxLicenseFeatureName }
jnxLicenseInfringeSingle NOTIFICATION-TYPE
OBJECTS  { jnxLicenseFeatureName }
STATUS   current
DESCRIPTION
"The SNMP trap that is generated when the license for feature
identified by jnxLicenseFeatureName is not valid i.e. either expired or
not available."
::= { jnxLicenseNotifications 5 }

END
/*
* Generated by ncsch --mib2yang-std
* Source: MIB_SOURCES_POST_PROCESSED/CISCO-LICENSE-MGMT-MIB.mib
*/
/*
* This YANG module has been generated by smidump 0.5.0:
*  
*    smidump -f yang CISCO-LICENSE-MGMT-MIB
*  
* Do not edit. Edit the source file instead!
*/

module CISCO-LICENSE-MGMT-MIB {

prefix "cisco-license-mgmt-mib";

import ENTITY-MIB {
    prefix "entity-mib";
}

import INET-ADDRESS-MIB {
    prefix "inet-address";
}

import SNMP-FRAMEWORK-MIB {
    prefix "snmp-framework";
}

import SNMPv2-TC {


prefix "snmpv2-tc";
}

import ietf-yang-smiv2 {
 prefix "smiv2";
}

organization
"Cisco Systems Inc.";

contact
"Cisco Systems
Customer Service
Postal: 170 W Tasman Drive
San Jose, CA  95134
USA
Tel: +1 800 553 -NETS
E-mail: cs-snmp@cisco.com";

description
"The MIB module for managing licenses on the system.
The licensing mechanism provides flexibility to
enforce licensing for various features in the system.

The following text introduces different concepts and
terms those are necessary to understand the MIB definition
and to perform license management.

UDI
Universal Device Identifier that uniquely identifies a
device. It comprises of product ID, version ID and serial
number of the device.

NODE LOCKED LICENSE:
Node locked licenses are locked to one of the device
identifiers in the system. For example, the license
can be locked to the UDI value of one of the devices
in the system. Locking a license to an UDI guarantees
that the license will not be moved to a device with a
different UDI.

NON-NODE LOCKED LICENSE:
Non-node locked licenses are not locked to any device
identifier. They can be used on other similar devices.

METERED LICENSE:
Metered licenses are valid for limited period of time and they expire after that. This period is the usage period of a license and it is not based on real time clock, but system clock.

EULA:
End User License Agreement.

EVALUATION LICENSE:
Evaluation licenses are non-node locked metered licenses which are valid only for a limited period. They are used only when there are no permanent, extension or grace period licenses for a feature. User will have to accept EULA (End User License Agreement) before using an evaluation license. Even though they are not node locked, their usage is recorded on the device.

RIGHT TO USE (RTU) LICENSE:
Right to use license is a non-node locked metered license which is in evaluation mode for a limited time after which it is converted to Right To Use (RTU) license and is valid for the lifetime of the product. User will have to accept EULA (End User License Agreement) before using this license. Even though it is not node locked, usage information is recorded on the device.

EXTENSION LICENSE:
Extension licenses are node locked metered licenses. These licenses are issued by Cisco’s licensing portal. These licenses need to be installed using management interfaces on the device. User will have to accept an EULA as part of installation of extension license.

GRACE PERIOD LICENSE:
Grace period licenses are node locked metered licenses. These licenses are issued by Cisco’s licensing portal as part of the permission ticket to rehost a license. These licenses are installed on the device as part of the rehost operation. User will have to accept an EULA as part of the rehost operation for this type of license. Details on permission ticket, rehost operations are provided further down in this description clause.
PERMANENT LICENSE:
Permanent licenses are node locked licenses that have no usage period associated with them. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. Once these licenses are installed, they will provide needed permission for the feature/image across different versions.

COUNTED LICENSE:
Counted licenses limit the number of similar entities that can use the license. For example, a counted license when used by a feature can limit the number of IP phones that can connect or the number of tunnels that can be created.

UNCOUNTED LICENSE:
Uncounted licenses do not limit the number of similar entities that can use the licenses.

License can be enforced at the image level or at the feature level and this MIB module supports both.

IMAGE LEVEL LICENSING:
A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems.

FEATURE LEVEL LICENSING:
Feature level licensing will support enforcement of license at individual feature. Features have to check for their licenses before enabling themselves. If it does not have a license, the feature should disable itself.

There is a one-to-one relationship between a feature and a license. That is, a feature can use only one license at a time and a license can be used by only one feature at a time.

LICENSE LINE:
A License line is an atomic set of ASCII characters arranged in a particular format that holds the license for a single feature within it. A line has all the necessary fields and attributes that make it a valid, non-tamper able and complete license.
LICENSE FILE:
File generated by Cisco licensing portal. It is used to install license on product. It has a user readable part and it contains one or more license lines.

DEVICE CREDENTIALS:
Device credentials file is a document that is generated by a licensed device. This document establishes the identity of the device and proves that the sender/user has/had authorized access to the device.

REHOST:
Rehost operation allows a node locked license that is installed on a device to be installed on other similar device. As part of rehost operation, a device processes the permission ticket, revokes the license(s) on the device and generates a rehost ticket as the proof of revocation. This rehost ticket needs to be presented to the Cisco's licensing portal to get the license transferred on to a new similar device.

PERMISSION TICKET:
Permission ticket is a document generated by Cisco licensing portal that allows a device to rehost its licenses.

REHOST TICKET:
Rehost ticket is document generated by a device after it has applied a permission ticket. The rehost ticket is a proof of revocation.

LICENSING PORTAL:
Generates licenses, permission tickets and verifies device credentials and rehost tickets.

This MIB module provides MIB objects to install, clear, revoke licenses. It also provides objects to regenerate last rehost ticket, backup all the licenses installed on a device, generate & export EULA for licenses.

STEPS TO INSTALL A LICENSE:
To install a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the license file, uses device credentials to identify the device
3. Executes the license install action.
STEPS TO CLEAR A LICENSE:
To clear a license, the management application
1. Identifies the license to be cleared using license index.
2. Executes the license clear action.

STEPS TO REHOST A LICENSE:
To rehost a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get
the permission ticket, uses device credentials to
identify the device.
3. Executes the processPermissionTicket action. Device
revokes the license and generates rehost ticket to be
submitted as proof of revocation.
4. Retrieves device credentials of the device where the
license needs to be transferred to.
5. Submits rehost ticket as proof of revocation to
Cisco's licensing portal, uses device credentials of
the new device to identify the device, gets license file.
6. Executes the license install action on the new
device.

STEPS TO REGENERATE LAST REHOST TICKET:
To regenerate last rehost ticket, the management application
1. Retrieves device credentials of the device.
2. Uses already obtained permission ticket or
communicates with Cisco's licensing portal to get
the permission ticket, uses device credentials to
identify the device.
3. Executes the regenerateLastRehostTicket action.
Device generates rehost ticket to be submitted as
proof of revocation.

STEPS TO BACKUP ALL LICENSES:
To backup all licenses installed in the device, the management application
1. Specifies the backup file path.
2. Executes the license backup action.

STEPS TO GENERATE & EXPORT EULA:
To install certain kind of licenses, the management application must accept EULA first. The management application can generate and export EULA for one or more licenses with out installing licenses as follows.
1. Specifies the license file path that has licenses to be installed
2. Specifies the EULA file path where EULA need to be exported to
3. Executes the generate EULA action.

To support the various license actions, this MIB module also defines MIB objects to know if a device supports licensing, retrieve device credentials, retrieve information on license stores in the device.

It also defines MIB objects to expose management information associated with the licenses installed on the device, with the licensable features in the software image.

This MIB module also defines various notifications that will be triggered to asynchronously notify the management application of any critical events.

This MIB module is defined generically so it can be implemented on stand alone devices or stack of devices. In stack of devices, one device in the stack acts as master agent and rest are slave agents. Each device in the stack has its own UDI. The master agent receives requests on behalf of all the devices in the stack including itself and delegates it to other devices as needed. It also collects responses from other devices and sends them to the management application. Examples of such devices include stackable switches, devices with route processor and line cards. On the other hand, stand alone device is a single device and has only one UDI associated with it.

entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely. It is specified as the index or one of the index for tables in this MIB as needed."

revision 2012-04-19 {
    description
    "This version of the MIB adds support for Permanent Right to use (RTU) licensing. The revisions are:
    o Updated clmgmtLicenseType object to support the following new types of license:
        permanentRightToUse

    The new module compliance is ciscoLicenseMgmtComplianceRev1.";
}

revision 2011-04-19 {
description
"This version of the MIB adds support for Right to use (RTU) licensing. The revisions are:
o Added RTU license definition to MIB description above.
o Updated clmgmtLicenseType object to support the following new types of license:
evalRightToUse
rightToUse
o Added following objects to clmgmtLicenseInfoTable
clmgmtLicensePeriodUsed
o Added following objects to clmgmtLicensableFeatureTable
clmgmtFeaturePeriodUsed
o Added the following notifications
clmgmtLicenseEvalRTUTransitionWarning
clmgmtLicenseEvalRTUTransition
o Added the following conformance groups
clmgmtLicenseRTUGroup
clmgmtLicenseRTUUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1."
}
typedef ClmgmtLicenseIndex {
    type uint32 {
        range "1..4294967295";
    }
    description
    "A unique value, for each license in the managed system. It is not necessary to have values assigned contiguously. The value for each license must remain constant at least from one re-initialization of the entity's network management system to the next re-initialization";
}

typedef ClmgmtLicenseIndexOrZero {
    type uint32;
    description
    "This textual convention is an extension of the ClmgmtLicenseIndex convention. The latter defines a greater than zero value used to identify a license in the managed system. This extension permits the additional value of zero. The value zero is object-specific and must therefore be defined as part of the description of any object which uses this syntax. Examples of the usage of zero might include situations where license was not present or unknown.";
}

typedef ClmgmtLicenseTransferProtocol {
    type enumeration {
        enum "none" {
            value "1";
        }
        enum "local" {
            value "2";
        }
        enum "tftp" {
            value "3";
        }
        enum "ftp" {
            value "4";
        }
        enum "rcp" {
            value "5";
        }
    }
}
enum "http" {
    value "6";
}

enum "scp" {
    value "7";
}

enum "sftp" {
    value "8";
}

description
"The transfer protocol that should be used for copying files
when performing license management. When the protocol is
set to local(2), local file system (flash or disk) is used.
Different agents may support different transfer protocols
and the management application is expected to somehow determine
which protocol is supported and use.";

typedef ClmgmtLicenseActionState {
    description
    "The state of license action execution.

    none(1)                - action is not yet scheduled to be executed.
    pending(2)             - All the required parameters for the action are set and the action is
scheduled to be executed.

inProgress(3) - action execution has started and is in progress.

successful(4) - action has completed successfully.

partiallySuccessful(5) - action has completed, but was partially successful. Management application can query additional MIB objects to know what is successful and what has failed. These additional objects are listed in the description of the corresponding action tables.

failed(6) - action has failed.

typedef ClmgmtLicenseActionFailCause {
    type enumeration {
        enum "none" {
            value "1";
        }
        enum "generalFailure" {
            value "2";
        }
        enum "transferProtocolNotSupported" {
            value "3";
        }
        enum "fileServerNotReachable" {
            value "4";
        }
        enum "unrecognizedEntPhysicalIndex" {
            value "5";
        }
        enum "invalidLicenseFilePath" {
            value "6";
        }
        enum "invalidLicenseFile" {
            value "7";
        }
        enum "invalidLicenseLine" {
            value "8";
        }
        enum "licenseAlreadyExists" {
            value "9";
        }
    }
}

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 4701
enum "licenseNotValidForDevice" {
    value "10";
}
enum "invalidLicenseCount" {
    value "11";
}
enum "invalidLicensePeriod" {
    value "12";
}
enum "licenseInUse" {
    value "13";
}
enum "invalidLicenseStore" {
    value "14";
}
enum "licenseStorageFull" {
    value "15";
}
enum "invalidPermissionTicketFile" {
    value "16";
}
enum "invalidPermissionTicket" {
    value "17";
}
enum "invalidRehostTicketFile" {
    value "18";
}
enum "invalidRehostTicket" {
    value "19";
}
enum "invalidLicenseBackupFile" {
    value "20";
}
enum "licenseClearInProgress" {
    value "21";
}
enum "invalidLicenseEULAFile" {
    value "22";
}
description
"Reason for license action failure. Defines error codes for all the license actions.

none(1) - action execution has not started yet. If the action is completed and the action is successful, then also
none(1) is returned to indicate that there are no errors.

generalFailure(2) - General licensing failure. This will be used for resource unavailability failures. Ex: Lack of memory.

transferProtocolNotSupported(3) - protocol selected is not supported.

fileServerNotReachable(4) - file server is not reachable.

unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid

invalidLicenseFilePath(6) - The license file path is not accessible.

invalidLicenseFile(7) - Contents of license file are not valid.

invalidLicenseLine(8) - License string in the license file is not valid.

licenseAlreadyExists(9) - Management application is trying to install a license that already exists.

licenseNotValidForDevice(10) - This license is not valid for the device/entPhysicalIndex specified.

invalidLicenseCount(11) - Invalid count for this counted license.

invalidLicensePeriod(12) - Validity period is invalid for this expiring license.

licenseInUse(13) - License file is in use by a feature/image.

invalidLicenseStore(14) - License store is not valid.

licenseStorageFull(15) - There is no more space in the license storage.

invalidPermissionTicketFile(16) - The permission ticket file path is not accessible.

invalidPermissionTicket(17) - The permission ticket file contents are not valid.

invalidRehostTicketFile(18) - The rehost ticket file path is not accessible.

invalidRehostTicket(19) - The rehost ticket file contents are not valid.

invalidLicenseBackupFile(20) - License backup store path is not accessible.

licenseClearInProgress(21) - When license clear action is in progress, license backup action is not permitted to avoid race conditions. This error code is sent back in
response to a license backup action when a license clear action is in progress or in pending state. Try again in few seconds.

invalidLicenseEULAFile(22) - EULA file path is not accessible.

} container CISCO-LICENSE-MGMT-MIB {
config false;
}

container clmgmtLicenseConfiguration {
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1";

leaf clmgmtNextFreeLicenseActionIndex {
type uint32 {
range "1..4294967295";
}
description "This object contains appropriate value for clmgmtLicenseActionIndex that can be used to create an entry in clmgmtLicenseActionTable. The management application should read this object first and then use this as the value for clmgmtLicenseActionIndex to avoid collisions when creating entries in clmgmtLicenseActionTable. Following this approach does not guarantee collision free row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.1";
}
}

container clmgmtLicenseDeviceInformation {
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3";

leaf clmgmtNextFreeDevCredExportActionIndex {
type uint32;
description "This object contains appropriate value for clmgmtDevCredExportActionIndex that can be used to create an entry in clmgmtDevCredExportActionTable. The management
application should read this object first and then use this as the value for clmgmtDevCredExportActionIndex to avoid collisions when creating entries in clmgmtDevCredExportActionTable. Following this approach does not guarantee collision free row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated.

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.1";
}
}

container clmgmtLicenseNotifObjects {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4";

  leaf clmgmtLicenseUsageNotifEnable {
    type boolean;
    description "This object indicates whether the device should generate the notifications related to usage of licenses. This object enables/disables sending following notifications:
    - clmgmtLicenseExpired
    - clmgmtLicenseExpiryWarning
    - clmgmtLicenseUsageCountExceeded
    - clmgmtLicenseUsageCountAboutToExceed
    - clmgmtLicenseSubscriptionExpiryWarning
    - clmgmtLicenseSubscriptionExtExpiryWarning
    - clmgmtLicenseSubscriptionExpired
    - clmgmtLicenseEvalRTUTransitionWarning
    - clmgmtLicenseEvalRTUTransition";
    smiv2:default "true";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.1";
  }

  leaf clmgmtLicenseDeploymentNotifEnable {
    type boolean;
    description "This object indicates whether the device should generate notifications related to license deployment. This object enables/disables sending following notifications:
    - clmgmtLicenseInstalled
    - clmgmtLicenseCleared

leaf clmgmtLicenseRevoked {
  type boolean;
  description "This object indicates whether the device should generate
  notifications related to error conditions in enforcing
  licensing. This object enables/disables sending following
  notifications:
    clmgmtLicenseNotEnforced";
  smiv2:defval "true";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.1.2";
}

leaf clmgmtLicenseEULAAccepted"{
  type boolean;
  description "This object indicates whether the device should generate
  notifications related to error conditions in enforcing
  licensing. This object enables/disables sending following
  notifications:
    clmgmtLicenseNotEnforced";
  smiv2:defval "true";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.2";
}

container clmgmtLicenseActionTable {
  description "A table for invoking license management actions. Management
  application must create a row in this table to trigger any of
  the license management actions. The following are different
  actions that can be executed using this table.
    1. install
    2. clear
    3. processPermissionTicket
    4. regenerateLastRehostTicket
    5. backup
    6. generateEULA

  Refer to the description of clmgmtLicenseAction for more
  information on what these actions do on the device.
  Once the request completes, the management application should
  retrieve the values of the objects of interest, and then
  delete the entry. In order to prevent old entries from
  clogging the table, entries will be aged out, but an entry
  will never be deleted within 5 minutes of completion.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2";
}

list clmgmtLicenseActionEntry {
  key "clmgmtLicenseActionIndex";
  description "An entry for each action that is being executed or was
  executed recently. The management application executes an
action by creating this entry. This can be done in the following 2 methods

1. CREATE-AND-GO method

   Management application sets clmgmtLicenseActionRowStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

2. CREATE-AND-WAIT method

   Management application sets clmgmtLicenseActionRowStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtLicenseActionRowStatus to active(1).

To stop the action from being executed, the management application can delete the entry by setting clmgmtLicenseActionRowStatus to destroy(6) when clmgmtLicenseActionState is pending(2).

The status of action execution can be known by querying clmgmtLicenseActionState. If the action is still in pending(2) or in inProgress(3) state, the management application need to check back again after few seconds. Once the action completes and status of the action is failed(6), the reason for failure can be retrieved from clmgmtLicenseActionFailCause. If the status of the action is partiallySuccessful(5), results of individual licenses can be queried from clmgmtLicenseActionResultTable.

Not all objects in the entry are needed to execute every action. Below is the list of actions and the required objects that are needed to be set for executing that action.

1. Installing a license

   The following MIB objects need to be set for installing a license
   a. clmgmtLicenseActionTransferProtocol
b. clmgmtLicenseServerAddressType
c. clmgmtLicenseServerAddress
d. clmgmtLicenseServerUsername
e. clmgmtLicenseServerPassword
f. clmgmtLicenseFile
g. clmgmtLicenseStore
h. clmgmtLicenseStopOnFailure
i. clmgmtLicenseAcceptEULA
j. clmgmtLicenseAction

clmgmtLicenseActionEntPhysicalIndex need not be set explicitly for license installs. License itself identifies the device where the license needs to be installed.

clmgmtLicenseStore need to be set to store the licenses in a non-default license store. But, if a license file has more than one license and licenses need to be installed on multiple devices (for example to multiple members in a stack), then value of clmgmtLicenseStore is ignored and the licenses will be installed in default license stores of the respective devices.

2. Clearing a license
The following MIB objects need to be set for clearing a license
a. clmgmtLicenseActionEntPhysicalIndex
b. clmgmtLicenseActionLicenseIndex
c. clmgmtLicenseStore
d. clmgmtLicenseAction

3. Revoking a license
The following MIB objects need to be set for revoking a license
a. clmgmtLicenseActionTransferProtocol
b. clmgmtLicenseServerAddressType
c. clmgmtLicenseServerAddress
d. clmgmtLicenseServerUsername
e. clmgmtLicenseServerPassword
f. clmgmtLicensePermissionTicketFile
g. clmgmtLicenseRehostTicketFile
h. clmgmtLicenseStopOnFailure
i. clmgmtLicenseAction

4. Regenerate last rehost ticket
The following MIB objects need to be set for regenerating last rehost ticket
a. clmgmtLicenseActionTransferProtocol
b. clmgmtLicenseServerAddressType
5. Save all licenses to a backup storage
   The following MIB objects need to be set for storing all licenses to a backup store
   a. clmgmtLicenseActionEntPhysicalIndex
   b. clmgmtLicenseActionTransferProtocol
   c. clmgmtLicenseServerAddressType
   d. clmgmtLicenseServerAddress
   e. clmgmtLicenseServerUsername
   f. clmgmtLicenseServerPassword
   g. clmgmtLicenseBackupFile
   h. clmgmtLicenseAction

6. Generate and export EULA if the licenses need EULA to be accepted for installing.
   The following MIB objects need to be set exporting required EULAs
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicenseFile
   g. clmgmtLicenseEULAFilename
   h. clmgmtLicenseAction

   For any action, if clmgmtLicenseActionTransferProtocol is set to local(2), the following objects need not be set.
   a. clmgmtLicenseServerAddressType
   b. clmgmtLicenseServerAddress
   c. clmgmtLicenseServerUsername
   d. clmgmtLicenseServerPassword

   Entry can be deleted except when clmgmtLicenseAction is set to pending(2). All entries are volatile and are cleared on agent reset.

   smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1"

   leaf clmgmtLicenseActionIndex {
     type uint32 {

range "1..4294967295";
]
description
"This object uniquely identifies a row in
clmgmtLicenseActionTable. The management application should choose
this value by reading clmgmtNextFreeLicenseActionIndex
while creating an entry in this table. If an entry already
exists with this index, the creation of the entry will not
continue and error will be returned. The management application
should read the value of clmgmtNextFreeLicenseActionIndex
again and retry with the new value for this object."
smiv2:max-access "not-accessible";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.1";
}

leaf clmgmtLicenseActionEntPhysicalIndex {
  type entity-mib:PhysicalIndexOrZero;
  description
  "This object represents the entPhysicalIndex of the device
  where the action is being executed. This object is mainly
  used in devices where one device is acting as a master and
  rest of the devices as slaves. The master device is
  responsible for SNMP communication with the management
  application. Examples include stackable switches, devices
  with route processor and line card configuration. If this
  object is not set, the license action will be executed on
  the master device. Note: This object need not be set if
  there is a stand alone device";
  smiv2:defval "0";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.2";
}

leaf clmgmtLicenseActionTransferProtocol {
  type cisco-license-mgmt-mib:ClmgmtLicenseTransferProtocol;
  description
  "This object represents the transfer protocol to be used
  when copying files as specified in the following objects.
  1. clmgmtLicenseFile
  2. clmgmtLicensePermissionTicketFile
  3. clmgmtLicenseRehostTicketFile
  4. clmgmtLicenseBackupFile

  Note: This object need not be set if the all the files
  required for the action are in device's local file system.";
  smiv2:defval "none";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.3";
leaf clmgmtLicenseServerAddressType {
    type inet-address:InetAddressType;
    description
        "This object indicates the transport type of the
        address contained in clmgmtLicenseServerAddress object.
        This must be set when clmgmtLicenseActionTransferProtocol
        is not none(1) or local(2).”;
    snmp2:defval "unknown";
    snmp2:max-access "read-write";
    snmp2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.4";
}

leaf clmgmtLicenseServerAddress {
    type inet-address:InetAddress;
    description
        "This object indicates the ip address of the server from
        which the files must be read or written to if
        clmgmtLicenseActionTransferProtocol is not none(1) or
        local(2).
        All bits as 0s or 1s for clmgmtLicenseServerAddress are not
        allowed.

        The format of this address depends on the value of the
        clmgmtLicenseServerAddressType object”;
    snmp2:defval "";
    snmp2:max-access "read-write";
    snmp2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.5";
}

leaf clmgmtLicenseServerUsername {
    type snmp-framework:SnmpAdminString {
        length "0..96";
    }
    description
        "This object indicates the remote user name for accessing
        files via ftp, rcp, sftp or scp protocols. This object must
        be set when the clmgmtLicenseActionTransferProtocol is
        ftp(4), rcp(5), scp(7) or sftp(8). If
        clmgmtLicenseActionTransferProtocol is rcp(5), the remote
        username is sent as the server username in an rcp command
        request sent by the system to a remote rcp server.”;
    snmp2:defval "";
    snmp2:max-access "read-write";
    snmp2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.6";
}
leaf clmgmtLicenseServerPassword {
  type snmp-framework:SnmpAdminString {
    length "0..96";
  }
  description
  "This object indicates the password used by ftp, sftp or
  scp for copying a file to/from an ftp/sftp/scp server.
  This object must be set when the
  clmgmtLicenseActionTransferProtocol is ftp(4) or scp(7)
  or sftp(8). Reading it returns a zero-length string for
  security reasons.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.7";
}

leaf clmgmtLicenseFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object represents the location of the license file
  on the server identified by clmgmtLicenseServerAddress. This
  object MUST be set to a valid value before or concurrently
  with setting the value of the clmgmtLicenseAction object to
  install(2). For other operations, the value of this
  object is not considered, it is irrelevant.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.8";
}

leaf clmgmtLicenseStore {
  type uint32;
  description
  "This object represents the clmgmtLicenseStoreIndex of the
  license store to use within the device. The license store
  can be a local disk or flash. A device can have more than
  one license stores. If this object is not set, the license
  will be stored in the default license store as exposed by
  clmgmtDefaultLicenseStore object.";
  smiv2:defval "0";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.9";
}

leaf clmgmtLicenseActionLicenseIndex {
type cisco-license-mgmt-mib:ClmgmtLicenseIndexOrZero;

description
"This object indicates the license index of the license that is the subject of this action. This is used for identifying a license for performing actions specific to that license. This object need to be set only if clmgmtLicenseAction is set to clear(4). The value of this object is same as the clmgmtLicenseIndex object in clmgmtLicenseInfoEntry for license that is subject of this action."

smiv2:defval "0"
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.10"
}

leaf clmgmtLicensePermissionTicketFile {
    type snmp-framework:SnmpAdminString {
        length "0..255"
    }

description
"This object indicates the file name of the permission ticket. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions. The permission ticket is obtained from Cisco licensing portal to revoke a license. The management application must set this object to valid value before invoking the action."

smiv2:defval ""
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.11"
}

leaf clmgmtLicenseRehostTicketFile {
    type snmp-framework:SnmpAdminString {
        length "0..255"
    }

description
"This object indicates the file where the rehost ticket generated by the device need to be exported to. The rehost ticket is generated as a result of processPermissionTicket and regenerateLastRehostTicket actions. After generating the rehost ticket, the device exports the rehost ticket contents to this file. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions."

smiv2:defval ""
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.12";
leaf clmgmtLicenseBackupFile {
    type snmp-framework:SnmpAdminString {
        length "0..255";
    }
    description
    "This object indicates the file where all the licenses in
    the device need to be backed up. This object need to be set
    only if clmgmtLicenseAction is set to backup(6) and the
    management application must set the value of this object
to valid value before invoking action.";
    smiv2:defval "";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.13";
}

leaf clmgmtLicenseStopOnFailure {
    type boolean;
    description
    "This object indicates whether the license action should
    stop if the action on a license fails. This object is
    applicable only if there are more than one licenses
    involved in an action.";
    smiv2:defval "false";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.14";
}

leaf clmgmtLicenseAction {
    type enumeration {
        enum "noOp" [value "1";]
        enum "install" [value "2";]
        enum "clear" [value "3";]
        enum "processPermissionTicket" [value "4";]
        enum "regenerateLastRehostTicket" [value "5";]
        enum "backup" [value "6";]
enum "generateEULA" {
    value "7";
}

description
"This object indicates the command/action to be executed.

<table>
<thead>
<tr>
<th>Command</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>noOp(1)</td>
<td>No operation will be performed.</td>
</tr>
<tr>
<td>install(2)</td>
<td>Installs the license.</td>
</tr>
<tr>
<td>clear(3)</td>
<td>Clears the license.</td>
</tr>
<tr>
<td>processPermissionTicket(4)</td>
<td>Processes the permission ticket and generates and exports rehost ticket.</td>
</tr>
<tr>
<td>regenerateLastRehostTicket(5)</td>
<td>Generates and exports the last generated rehost ticket.</td>
</tr>
<tr>
<td>backup(6)</td>
<td>Backs up all the licenses installed currently onto a backup store.</td>
</tr>
<tr>
<td>generateEULA(7)</td>
<td>Checks whether the licenses in the license file need EULA acceptance and uploads the needed EULA contents to a file.</td>
</tr>
</tbody>
</table>

smiv2:defval "noOp";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.15";
}

leaf clmgmtLicenseActionState {
    type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
    description
    "This object indicates the state of this license action.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.16";
}

leaf clmgmtLicenseJobQPosition {
    type uint32;
}
description
"This object represents the position of the action in the license action job queue that is maintained internally. Only actions in pending(2) state will be put in the queue until they are executed. By reading this object, the management application can make intelligent decision on whether to execute another action that it is planning on. For example, if there is already a license clear action in the queue in pending(2) state, management application can choose to defer its license back up action to a later time. This object will return a value of 0 if the action is not in pending(2) state."

smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.17"
}

leaf clmgmtLicenseActionFailCause {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionFailCause;
  description
  "This object indicates the reason for this license action failure. The value of this object is valid only when clmgmtLicenseActionState is failed(6)."
  smiv2:max-access "read-only"
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.18"
}

leaf clmgmtLicenseActionStorageType {
  type snmpv2-tc:StorageType;
  description
  "This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."
  smiv2:defval "volatile"
  smiv2:max-access "read-write"
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.19"
}

leaf clmgmtLicenseActionRowStatus {
  type snmpv2-tc:RowStatus;
  description
  "This object indicates the the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtLicenseConfigCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row. It is recommended that the management application
should delete entries in this table after reading
the result. In order to prevent old entries from
clogging the table, entries will be aged out, but an
entry will never be deleted within 5 minutes of
completion; 
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.20";
}

leaf clmgmtLicenseAcceptEULA {
type boolean;
description
"This object indicates whether the End User License Agreement
needed for installing the licenses is accepted.

true(1) - EULA is read and accepted
false(2) - EULA is not accepted

Management application should set this object to true(1) when
installing licenses that need EULA acceptance.;
smiv2:defval "false";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.21";
}

leaf clmgmtLicenseEULAFile {
type snmp-framework:SnmpAdminString {
    length "0..255";
}
description
"This object indicates the file where all the End User License
Agreements (EULAs) need to be exported to. This object need to
be set only if clmgmtLicenseAction is set to generateEULA(7) and
the management application must set the value of this object to
valid value before invoking action.;
smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.22";
}
}

container clmgmtLicenseActionResultTable {
description
"This table contains results of license action if the
license action involves multiple licenses. Entries in this
table are not created for actions where there is
only license that is subject of the action. For
example, if there are 3 licenses in a license file when executing license install action, 3 entries will be created in this table, one for each license.

smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3"

list clmgmtLicenseActionResultEntry {
  key "clmgmtLicenseActionIndex clmgmtLicenseNumber";
  description "An entry in clmgmtLicenseActionResultTable. Each entry contains result of the action for a single license. These entries are created immediately after action execution when the action involves multiple licenses. These entries get automatically deleted when the corresponding entry in clmgmtLicenseActionTable is deleted.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1"
}

leaf clmgmtLicenseActionIndex {
  type leafref {
  }
}

leaf clmgmtLicenseNumber {
  type uint32 {
    range "1..4294967295";
  }
  description "This object indicates the sequence number of this license in the list of licenses on which the action is executed. For example, if there are 3 licenses in a license file when executing license install action, this object will have values 1, 2 and 3 respectively as ordered in the license file.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.1";
}

leaf clmgmtLicenseIndivActionState {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
  description "This object indicates the state of action on this individual license.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.2";
}
leaf clmgmtLicenseIndivActionFailCause {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionFailCause;
  description
  "This object indicates the reason for action failure on this
  individual license";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.3";
}
}
}

container clmgmtLicenseStoreInfoTable {
  description
  "This table contains information about all the license
  stores allocated on the device.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1";

  list clmgmtLicenseStoreInfoEntry {
    key "entPhysicalIndex clmgmtLicenseStoreIndex";
    description
    "An entry in clmgmtLicenseStoreInfoTable. Each entry
    contains information about a license store allocated
    on the device";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1";

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
      }
    }

    leaf clmgmtLicenseStoreIndex {
      type uint32 {
        range "1..4294967295";
      }
      description
      "This object uniquely identifies a license store within
      the device.";
      smiv2:max-access "not-accessible";
      smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.1";
    }

    leaf clmgmtLicenseStoreName {
      type snmp-framework:SnmpAdminString {
        length "0..255";
      }
    }
  }
}
description
"This object indicates the name of the license store within the device. It is a file in device's local file system i.e., either on a local disk or flash or some other storage media. For example, the value of this object can be 'disk1:lic_store_1.txt' or 'flash:lic_store_2.txt';
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.2";
"
}

leaf clmgmtLicenseStoreTotalSize {
  type uint32;
  units "bytes";
  description
  "This object indicates the total number of bytes that are allocated to the license store."
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.3";
}

leaf clmgmtLicenseStoreSizeRemaining {
  type uint32;
  units "bytes";
  description
  "This object indicates the number of bytes still remaining to be used for new license installations in the license store.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.4";
}

container clmgmtLicenseDeviceInfoTable {
  description
  "This table contains objects that provide licensing related information at the device level. Entries will exist only for entities that support licensing. For example, if it is a stand alone device and supports licensing, then there will be only one entry in this table. If it is stackable switch then there will be multiple entries with one entry for each device in the stack."
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2";

  list clmgmtLicenseDeviceInfoEntry {
    key "entPhysicalIndex";
    description
  }
}
"An entry in clmgmtLicenseDeviceInfoTable. Each entry contains device level licensing information for a device."

smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2.1"

leaf entPhysicalIndex {
    type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
}

leaf clmgmtDefaultLicenseStore {
    type uint32 {
        range "1..4294967295";
    }
    description "This object indicates the clmgmtLicenseStoreIndex of default store in the device. There will be only one default license store per device. If no license store is specified during license install, this default license store will be used.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2.1.1";
}
}

container clmgmtLicenseInfoTable {
    description "This table contains information about all the licenses installed on the device.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3";
}

list clmgmtLicenseInfoEntry {
    key "entPhysicalIndex clmgmtLicenseStoreUsed clmgmtLicenseIndex";
    description "An entry in clmgmtLicenseInfoTable. Each entry contains information about a license installed on the device. This entry gets created when a license is installed successfully. Management application can not create these entries directly, but will do so indirectly by executing license install action. Some of these entries may already exist that correspond to demo licenses even before management application installs any licenses.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1";
}

leaf entPhysicalIndex {
    type leafref {

```
leaf clmgmtLicenseStoreUsed {
  type uint32 {
    range "1..4294967295";
  }
  description
  "This object represents the license store that is used for
  storing this license. This object will have the same value
  as clmgmtLicenseStoreIndex in clmgmtLicenseStoreInfoEntry
  of the license store used.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.1";
}

leaf clmgmtLicenseIndex {
  type cisco-license-mgmt-mib:ClmgmtLicenseIndex;
  description
  "This object uniquely identifies a license within
  the device.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.2";
}

leaf clmgmtLicenseFeatureName {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
  "This object indicates the name of the feature that is
  using or can use this license. A license can be used by
  only one feature. Examples of feature name are: 'IPBASE',
  'ADVIPSERVICE'.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.3";
}

leaf clmgmtLicenseFeatureVersion {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
  "This object indicates the version of the feature that is
  using or can use this license. Examples of feature version
  are: '1.0', '2.0'";
}
leaf clmgmtLicenseType {
  type enumeration {
    enum "demo" {
      value "1";
    }
    enum "extension" {
      value "2";
    }
    enum "gracePeriod" {
      value "3";
    }
    enum "permanent" {
      value "4";
    }
    enum "paidSubscription" {
      value "5";
    }
    enum "evaluationSubscription" {
      value "6";
    }
    enum "extensionSubscription" {
      value "7";
    }
    enum "evalRightToUse" {
      value "8";
    }
    enum "rightToUse" {
      value "9";
    }
    enum "permanentRightToUse" {
      value "10";
    }
  }
}

description
"This object identifies type of license. Licenses may have validity period defined in terms of time duration that the license is valid for or it may be defined in terms of actual calendar dates. Subscription licenses are licenses that have validity period defined in terms of calendar dates.

demo(1) - demo(evaluation license) license.
extension(2) - Extension(expiring) license.
gracePeriod(3) - Grace period license.
permanent(4) - permanent license, the license has no
expiry date.

paidSubscription(5) - Paid subscription licenses are the licenses which are purchased by customers. These licenses have a start date and end date associated with them.

evaluationSubscription(6) - Evaluation subscription licenses are the trial licenses. These licenses are node locked and it can be obtained only once for an UDI. They are valid based on calendar days. These licenses have a start date and an end date associated with them and are issued once per UDI.

extensionSubscription(7) - Extension subscription licenses are similar to evaluation subscription licenses but these licenses are issued based on customer request. There are no restrictions on the number of licenses available for a UDI.

evalRightToUse(8) - Evaluation Right to use (RTU) license.

evalRightToUse(8) - Right to use (RTU) license.

evalRightToUse(8) - Permanent Right To Use license right after it is configured and is valid for the lifetime of the product. This is a Right To Use license which is not in evaluation mode for a limited time.;

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.5";
}

leaf clmgmtLicenseCounted {
  type boolean;
  description "This object indicates whether the license is counted license.
  true(1) - counted license
  false(2) - uncounted license";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.6";
}

leaf clmgmtLicenseValidityPeriod {
  type uint32;
  units "seconds";
  description "This object indicates the time period the license is valid for.
  This object is applicable only if clmgmtLicenseType is demo(1),
or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will return 0 for other license types.

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.7";
}

leaf clmgmtLicenseValidityPeriodRemaining {
  type uint32;
  units "seconds";
  description
  "This object indicates the time period remaining before the license expires or transitions to rightToUse(9) license. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will contain 0 for other license types.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.8";
}

leaf clmgmtLicenseExpiredPeriod {
  type uint32;
  units "seconds";
  description
  "This object indicates the elapsed time period since the license expired. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3). Also, this value of this object will be valid only after the license expires. The object will return 0 for other license types or before the license expiry.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.9";
}

leaf clmgmtLicenseMaxUsageCount {
  type uint32;
  description
  "This object indicates the maximum number of entities that can use this license. This object is applicable only if clmgmtLicenseCounted is true(1). The entity that is being counted can be anything and it depends on the licensable feature.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.10";
}

leaf clmgmtLicenseUsageCountRemaining {
  type uint32;
  description
  

"This object indicates the number of entities that can still use this license. This object is applicable only if clmgmtLicenseCounted is true(1).";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.11";
}

leaf clmgmtLicenseEULAStatus {
    type boolean;
    description
    "This object indicates whether the user accepted End User License Agreement for this license.

    true(1) - EULA accepted
    false(2) - EULA not accepted";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.12";
}

leaf clmgmtLicenseComments {
    type snmp-framework:SnmpAdminString {
        length "0..255";
    }
    description
    "This object represents the user modifiable comments about the license. This object is initially populated with comments from the license file.";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.13";
}

leaf clmgmtLicenseStatus {
    type enumeration {
        enum "inactive" {
            value "1";
        }
        enum "notInUse" {
            value "2";
        }
        enum "inUse" {
            value "3";
        }
        enum "expiredInUse" {
            value "4";
        }
        enum "expiredNotInUse" {
            value "5";
        }
}
enum "usageCountConsumed" {
  value "6";
}

description
"This object represents status of the license.

inactive(1)     - license is installed, but not active.
notInUse(2)       - license is installed and available for use.
inUse(3)        - the license is being used (by a feature).
expiredInUse(4)  - license is expired but still being held by the feature.
expiredNotInUse(5) - license is expired and not being held by any feature.
usageCountConsumed(6) - number of entities using this licenses has reached the allowed limit, no new entities are allowed to use this license."

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.14";
}

leaf clmgmtLicenseStartDate {
  type snmpv2-tc:DateAndTime;
  description
  "This object indicates the start date for a subscription license. It is optional for subscription licenses to have a start date associated with them, they may only have an end date associated with them. This object may be applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable."

  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.15";
}

leaf clmgmtLicenseEndDate {
  type snmpv2-tc:DateAndTime;
  description
  "This object indicates the end date for a subscription license. This object is applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable."
}
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.16";
}

leaf clmgmtLicensePeriodUsed {
    type uint32;
    units "seconds";
    description
    "This object indicates the time period used for the
    Right to use (RTU) licenses. This object is applicable for all
    RTU licenses.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.17";
}

container clmgmtLicensableFeatureTable {
    description
    "This table contains list of licensable features in the
    image. All the licensable features will have an entry each
    in this table irrespective of whether they are using any
    licenses currently. Entries in this table are created by
    the agent one for each licensable feature in the image.
    These entries remain in the table permanently and can not
    be deleted. Management application can not create or delete
    entries from this table.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4";
}

list clmgmtLicensableFeatureEntry {
    key "entPhysicalIndex clmgmtFeatureIndex";
    description
    "An entry in clmgmtLicensableFeatureTable. Each entry represents
    a licensable feature.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1";
}

leaf entPhysicalIndex {
    type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
        mib:entPhysicalIndex";
    }
}

leaf clmgmtFeatureIndex {
    type uint32 {
        range "1..4294967295";
    }
    description
"This object uniquely identifies a licensable feature in the device.;
smiv2:max-access "not-accessible";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.1";
}

leaf clmgmtFeatureName {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
  "This object indicates the name of the licensable feature in the device. Examples of feature names are: 'IPBASE', 'ADVIPSERVICE';
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.2";
}

leaf clmgmtFeatureVersion {
  type snmp-framework:SnmpAdminString {
    length "0..32";
  }
  description
  "This object indicates the version of the licensable feature in the device. Examples of feature versions are: '1.0' or '2.0';
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.3";
}

leaf clmgmtFeatureValidityPeriodRemaining {
  type uint32;
  units "seconds";
  description
  "This object indicates the time period remaining before the feature's license expires or transitions. This object is applicable only if clmgmtLicenseType of the license used by this feature is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8).

  The object will contain 0 if other types of license is used or if the feature does not use any license. If the feature is using multiple licenses, this period will represent the cumulative period remaining from all the licenses used by this feature.;
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.4";
}
leaf clmgmtFeatureWhatIsCounted {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
  "This object represents the entity that is being counted
  by this feature. Examples of entities are IP Phones, number
  of sessions etc. This object is only applicable for
  features that use counting licenses. For other features,
  this object will return empty string.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.5";
}

leaf clmgmtFeatureStartDate {
  type snmpv2-tc:DateAndTime;
  description
  "This object indicates the license start date of the feature.
  This object is applicable if at least one of the licenses used
  for this feature has a valid start date. The start date will
  be the earliest of the valid start dates of all the licenses
  used for this feature. If none of the licenses used for this
  feature have a valid start date then this object will contain an
  octet string of length 0.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.6";
}

leaf clmgmtFeatureEndDate {
  type snmpv2-tc:DateAndTime;
  description
  "This object indicates the license end date of the feature.
  This object is applicable if at least one of the licenses used
  for this feature has a valid end date. The end date will
  be the latest of the valid end dates of all the licenses
  used for this feature. If none of the licenses used for this
  feature have a valid end date then this object will contain an
  octet string of length 0.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.7";
}

leaf clmgmtFeaturePeriodUsed {
  type uint32;
  units "seconds";
  description
  "This object indicates the license period used for the feature.";
container clmgmtDevCredExportActionTable {
  description
  "A table for triggering device credentials export action. Management application must create this entry to trigger the export of device credentials from the device to a file.

  Once the request completes, the management application should retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion."

  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2";
}

list clmgmtDevCredExportActionEntry {
  key "clmgmtDevCredExportActionIndex";
  description
  "An entry for each device credential export action that is being executed or was executed recently. The management application triggers the export by creating an entry in this table. This can be done in the following 2 methods:

  1. CREATE-AND-GO method
     Management application sets clmgmtDevCredExportActionStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

  2. CREATE-AND-WAIT method
     Management application sets clmgmtDevCredExportActionStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtDevCredExportActionStatus to active(1).

  To stop the action from being executed, the management application can delete the entry by setting clmgmtDevCredExportActionStatus to destroy(6) when clmgmtDevCredCommandState is pending(2)."
The status of action execution can be known by querying clmgmtDevCredCommandState. If the action is still in pending(2) or inProgress(3), the management application need to check back again after few seconds. Once the action completes and if status of the action is failed(6), the reason for failure can be retrieved from clmgmtDevCredCommandFailCause.

Entry can be deleted except when clmgmtLicenseAction is set to inProgress(3). All entries in this table are volatile and are cleared on agent reset.;

smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1";

leaf clmgmtDevCredExportActionIndex {
  type uint32 {
    range "1..4294967295";
  }
  description
  "This object uniquely identifies a row in clmgmtDevCredExportActionTable. The management application chooses this value by reading
  clmgmtNextFreeDevCredExportActionIndex while creating an entry in this table. If an entry already exists with this index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeDevCredExportActionIndex again and retry with the new value for this object.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.1";
}

leaf clmgmtDevCredEntPhysicalIndex {
  type entity-mib:PhysicalIndexOrZero;
  description
  "This object represents the entPhysicalIndex of the device for which the device credentials are being retrieved. This object is mainly used in devices where one device is acting as a master and rest of the devices as slaves. The master device is responsible for SNMP communication with the manager. Examples include stackable switches, devices with router processor and line cards.

  Note: This object need not be set if it is a stand alone device";
  smiv2:defval "0";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.2";
}
leaf clmgmtDevCredTransferProtocol {
  type cisco-license-mgmt-mib:ClmgmtLicenseTransferProtocol;
  description
  "This object indicates the transfer protocol to be used when
  copying files as specified in the following objects.
  1. clmgmtDevCredExportFile
     
     smiv2:defval "none";
     smiv2:max-access "read-write";
     smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.3";
  }
}

leaf clmgmtDevCredServerAddressType {
  type inet-address:InetAddressType;
  description
  "This object indicates the transport type of the
  address contained in clmgmtDevCredServerAddress object.
  This must be set when clmgmtDevCredTransferProtocol
  is not none(1) or local(2).";
  smiv2:defval "unknown";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.4";
}

leaf clmgmtDevCredServerAddress {
  type inet-address:InetAddress;
  description
  "This object indicates the the ip address of the server
  from which the files must be read or written to if
  clmgmtDevCredTransferProtocol is not none(1) or local(2).
  All bits as 0s or 1s for clmgmtDevCredServerAddress are not
  allowed.
  The format of this address depends on the value of the
  clmgmtDevCredServerAddressType object";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.5";
}

leaf clmgmtDevCredServerUsername {
  type snmp-framework:SnmpAdminString {
    length "0..96";
  }
  description
  "This object indicates the remote user name for accessing
files via ftp, rcp, sftp or scp protocols. This object must be set when the clmgmtDevCredTransferProtocol is ftp(4), rcp(5), scp(7) or sftp(8). If clmgmtDevCredTransferProtocol is rcp(5), the remote username is sent as the server username in an rcp command request sent by the system to a remote rcp server.

```
smi2:defval "";
smi2:max-access "read-write";
smi2:oid "1.3.6.1.4.1.9.543.1.3.2.1.6";
```

```
leaf clmgmtDevCredServerPassword {
  type snmp-framework:SnmpAdminString {
    length "0..96";
  }
  description
  "This object indicates the password used by ftp, sftp or scp for copying a file to/from an ftp/sftp/scp server. This object must be set when the clmgmtDevCredTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons.";
  smi2:defval "";
  smi2:max-access "read-write";
  smi2:oid "1.3.6.1.4.1.9.543.1.3.2.1.7";
}
```

```
leaf clmgmtDevCredExportFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object represents file where device credentials needs to be exported to.";
  smi2:max-access "read-write";
  smi2:oid "1.3.6.1.4.1.9.543.1.3.2.1.8";
}
```

```
leaf clmgmtDevCredCommand {
  type enumeration {
    enum "noOp" {
      value "1";
    }
    enum "getDeviceCredentials" {
      value "2";
    }
  }
  description
```

---

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"This object indicates the the command to be executed.

<table>
<thead>
<tr>
<th>Command</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>noOp(1)</td>
<td>No operation will be performed.</td>
</tr>
</tbody>
</table>

getDeviceCredentials(2) Exports device credentials;
smiv2:defval "noOp";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.9";

leaf clmgmtDevCredCommandState {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
  description
  "This object indicates the state of the action that is
  executed as a result of setting clmgmtDevCredRowStatus
to active(1).";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.10";
}

leaf clmgmtDevCredCommandFailCause {
  type enumeration {
    enum "none" {
      value "1";
    }
    enum "unknownError" {
      value "2";
    }
    enum "transferProtocolNotSupported" {
      value "3";
    }
    enum "fileServerNotReachable" {
      value "4";
    }
    enum "unrecognizedEntPhysicalIndex" {
      value "5";
    }
    enum "invalidFile" {
      value "6";
    }
  }
  description
  "This object indicates the the reason for device
  credentials export operation failure."
The value of this object is valid only when clmgmtDevCredCommandState is failed(6).

none(1) - action execution has not started yet. If the action is completed and the action is successful, then also none(1) is returned to indicate that there are no errors.

unknownError(2) - reason for failure is unknown, operation failed, no operation is performed

transferProtocolNotSupported(3) - clmgmtDevCredTransferProtocol given is not supported.

fileServerNotReachable(4) - file server is not reachable.

unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid

invalidFile(6) - The target file specified is not valid.

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.11";

}

leaf clmgmtDevCredStorageType {
type snmpv2-tc:StorageType;
description
"This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."
smiv2:defval "volatile"
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.12"
}

leaf clmgmtDevCredRowStatus {
type snmpv2-tc:RowStatus;
description
"This object indicates the the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtDevCredCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row.

clmgmtDevCredExportFile is a mandatory object to be set when creating this entry."
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.13"
}
notification clmgmtLicenseExpired {
    description
    "This notification is sent, when a feature license expires. This notification will be sent continuously every week even after the expiry to alert the management application."
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.1"
}

leaf entPhysicalIndex {
    type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
        mib:entPhysicalIndex"
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
        mib:clmgmtFeatureIndex"
    }
}

leaf clmgmtFeatureName {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
        mib:clmgmtFeatureName"
    }
}

container object-2 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
                mib:entPhysicalIndex"
        }
    }
    leaf clmgmtFeatureIndex {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
                mib:clmgmtFeatureIndex"
        }
    }
}
leaf clmgmtFeatureIndex {
    type leafref {
    }
}

leaf clmgmtFeatureName {
    type leafref {
    }
}
leaf clmgmtFeatureValidityPeriodRemaining {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureValidityPeriodRemaining";
  }
}

notification clmgmtLicenseUsageCountExceeded {
  description
  "This notification is sent when clmgmtLicenseUsageCountRemaining
has reached clmgmtLicenseMaxUsageCount for a counting license."
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.3";
}

container object-1 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }
  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }
  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }
  leaf clmgmtLicenseFeatureName {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureName";
    }
  }
}
container object-2 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
            
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
            
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
            
        }
    }

    leaf clmgmtLicenseFeatureVersion {
        type leafref {
            
        }
    }

    container object-3 {

        leaf entPhysicalIndex {
            type leafref {
                path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
                
            }
        }

        leaf clmgmtLicenseStoreUsed {
            type leafref {
                
            }
        }

    }

}

    }
}

leaf clmgmtLicenseIndex {
    type leafref {
    }
}

leaf clmgmtLicenseMaxUsageCount {
    type leafref {
    }
}

container object-4 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtFeatureIndex {
        type leafref {
        }
    }

    leaf clmgmtFeatureWhatIsCounted {
        type leafref {
        }
    }
}
container object-5 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }

  leaf clmgmtLicenseComments {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseComments";
    }
  }

notification clmgmtLicenseUsageCountAboutToExceed {
  description
  "This notification is sent when clmgmtLicenseUsageCountRemaining
  has reached 80% of clmgmtLicenseMaxUsageCount for a counting
  license. This is a warning notification to the management
  application that very soon the maximum count will be reached
  and after that the device will not allow new entities to
  make use of this license."
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.4";

  container object-1 {

```
leaf entPhysicalIndex {
  type leafref {
    path "entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
  }
}

leaf clmgmtLicenseStoreUsed {
  type leafref {
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
  }
}

leaf clmgmtLicenseFeatureName {
  type leafref {
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
    }
  }

  leaf clmgmtLicenseFeatureName {
    type leafref {
    }
  }
}
leaf clmgmtLicenseIndex {
    type leafref {
    }
}

leaf clmgmtLicenseFeatureVersion {
    type leafref {
    }
}

container object-3 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
}

leaf clmgmtLicenseStoreUsed {
    type leafref {
    }
}

leaf clmgmtLicenseIndex {
    type leafref {
    }
}

leaf clmgmtLicenseMaxUsageCount {
    type leafref {
    }
}
leaf entPhysicalIndex {
  type leafref {
    path "/ENTITY-MIB/entPhysicalTable/entPhysicalEntry/entPhysicalIndex";
  }
}

leaf clmgmtLicenseStoreUsed {
  type leafref {
    path "/CISCO-LICENSE-MGMT-MIB/clmgmtLicenseInfoTable/clmgmtLicenseInfoEntry/clmgmtLicenseStoreUsed";
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
    path "/CISCO-LICENSE-MGMT-MIB/clmgmtLicenseInfoTable/clmgmtLicenseInfoEntry/clmgmtLicenseIndex";
  }
}

leaf clmgmtLicenseUsageCountRemaining {
  type leafref {
    path "/CISCO-LICENSE-MGMT-MIB/clmgmtLicenseInfoTable/clmgmtLicenseInfoEntry/clmgmtLicenseUsageCountRemaining";
  }
}

container object-5 {

leaf entPhysicalIndex {
  type leafref {
    path "/ENTITY-MIB/entPhysicalTable/entPhysicalEntry/entPhysicalIndex";
  }
}

leaf clmgmtFeatureIndex {

type leafref {
}

leaf clmgmtFeatureWhatIsCounted {
    type leafref {
    }
    }

container object-6 {

    leaf entPhysicalIndex {
        type leafref {
            path "entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseComments {
        type leafref {
        }
    }
}
notification clmgmtLicenseInstalled {
    description
    "This notification is sent when a license is installed successfully."
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.5"
}

container object-1 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex"
        }
    }
}

leaf clmgmtLicenseStoreUsed {
    type leafref {
    }
}

leaf clmgmtLicenseIndex {
    type leafref {
    }
}

leaf clmgmtLicenseFeatureName {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseFeatureName"
    }
}

container object-2 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
notification clmgmtLicenseCleared {
    description
    "This notification is sent when a license is cleared
    successfully.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.6";
}

container object-1 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseFeatureName {
        type leafref {
        }
    }
}

container object-2 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
leaf clmgmtLicenseStoreUsed {
  type leafref {
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
  }
}

leaf clmgmtLicenseFeatureVersion {
  type leafref {
  }
}

container object-3 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
}

leaf clmgmtLicenseStoreUsed {
  type leafref {
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
  }
}
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseIndex";

}

}

leaf clmgmtLicenseType {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseType";
    }
}

}

container object-4 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseComments {
        type leafref {
        }
    }

}
notification clmgmtLicenseRevoked {
  description
  "This notification is sent when a license is revoked
  successfully.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.7";
}

container object-1 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
    }
  }

  leaf clmgmtLicenseFeatureName {
    type leafref {
    }
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }
}
notification clmgmtLicenseEULAAccepted {
  description
  "This notification is sent when a user accepts End User License Agreement (EULA) for a license."
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.8"
}

container object-1 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureName {
    type leafref {
    }
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureName {
    type leafref {
    }
  }
}
leaf clmgmtFeatureVersion {  
type leafref {  
}
}

notification clmgmtLicenseNotEnforced {  
description  
"This notification is sent when a license does not exist for a feature, but the feature is a mandatory feature and it should run. This notification will be sent out periodically to indicate that there is no license installed for this feature and it needs to be done as soon as possible.";  
smiv2:oid "1.3.6.1.4.1.9.9.543.0.9";

container object-1 {

  leaf entPhysicalIndex {  
type leafref {  
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";  
}
}

  leaf clmgmtFeatureIndex {  
type leafref {  
}
}

  leaf clmgmtFeatureName {  
type leafref {  
}
}

container object-2 {

}
leaf entPhysicalIndex {
    type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
    }
}

leaf clmgmtFeatureVersion {
    type leafref {
    }
}

notification clmgmtLicenseSubscriptionExpiryWarning {
    description
        "This notification is sent when a subscription license of a
        feature is about to expire. This notification will be sent as
        per the following schedule:
        Once a week for the last eight weeks
        Once a day for the last week
        Once a hour for the last day";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.10";
}

container object-1 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
    }
}

leaf clmgmtFeatureVersion {
    type leafref {
    }
}

notification clmgmtLicenseSubscriptionExpiryWarning {
    description
        "This notification is sent when a subscription license of a
        feature is about to expire. This notification will be sent as
        per the following schedule:
        Once a week for the last eight weeks
        Once a day for the last week
        Once a hour for the last day";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.10";
}

container object-1 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
    }
}

leaf clmgmtFeatureVersion {
    type leafref {
    }
}
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-mib:clmgmtFeatureIndex";
    }
    }
}

leaf clmgmtFeatureName {
type leafref {
    }
}

container object-2 {

    leaf entPhysicalIndex {
type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
    }
}

leaf clmgmtFeatureIndex {
type leafref {
    }
}

leaf clmgmtFeatureVersion {
type leafref {
    }
}

container object-3 {

    leaf entPhysicalIndex {
type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
    }
}
leaf clmgmtFeatureIndex {
    type leafref {
    }
}

leaf clmgmtFeatureEndDate {
    type leafref {
    }
}

notification clmgmtLicenseSubscriptionExtExpiryWarning {
    description
        "This notification is sent when the subscription license end
date of a feature is reached but extension period is left. This
notification will be sent once a day after the license end date
is reached.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.11";
}

container object-1 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtFeatureIndex {
        type leafref {
        }
    }

    leaf clmgmtFeatureName {
        type leafref {
        }
    }
}
mib:clmgmtFeatureName";
    }
    }
    }

    container object-2 {

      leaf entPhysicalIndex {
        type leafref {
          path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
          mib:entPhysicalIndex";
        }
        }
        }

      leaf clmgmtFeatureIndex {
        type leafref {
          path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:
          clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
          mib:clmgmtFeatureIndex";
        }
        }
        }

      leaf clmgmtFeatureVersion {
        type leafref {
          path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:
          clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
          mib:clmgmtFeatureVersion";
        }
        }
        }

    container object-3 {

      leaf entPhysicalIndex {
        type leafref {
          path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
          mib:entPhysicalIndex";
        }
        }
        }

      leaf clmgmtFeatureIndex {
        type leafref {
          path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:
          clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
          mib:clmgmtFeatureIndex";
        }
        }
        }

    }
leaf clmgmtFeatureEndDate {
    type leafref {
    }
}

notification clmgmtLicenseSubscriptionExpired {
    description 
    "This notification will be sent after a subscription license 
of a feature completely expires. It will be sent once a day 
after the license has completely expired";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.12";
}

container object-1 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
    }
}

leaf clmgmtFeatureName {
    type leafref {
    }
}

container object-2 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureVersion {
  type leafref {
  }
}

container object-3 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
}

leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureEndDate {
  type leafref {
  }
}
notification clmgmtLicenseEvalRTUTransitionWarning {
    description
    "This notification is sent when Evaluation to Right to use (RTU)
    license transition is about to happen. The first notification
    will be sent 10 days before the transition and second
    notification will be sent 5 days before the transition.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.13";
}

container object-1 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
            mib:entPhysicalIndex";
        }
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
            mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
            mib:clmgmtFeatureIndex";
    }
}

leaf clmgmtFeatureName {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
            mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
            mib:clmgmtFeatureName";
    }
}

container object-2 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
                mib:entPhysicalIndex";
        }
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
            mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
            mib:clmgmtFeatureIndex";
    }
}
leaf clmgmtFeatureVersion {
  type leafref {
  }
}

container object-3 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
}

leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureValidityPeriodRemaining {
  type leafref {
  }
}

notification clmgmtLicenseEvalRTUTransition {
  description
  "This notification is sent, when a feature license transitions from a evaluation to a Right to use (RTU) license."
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.14";
}

container object-1 {
  leaf entPhysicalIndex {

type leafref {
  path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
}

leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureVersion {
  type leafref {
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
    }
  }
}
smiv2:alias "ciscoLicenseMgmtMIB" {
    smiv2:oid "1.3.6.1.4.1.9.9.543";
}

smiv2:alias "ciscoLicenseMgmtMIBNotifs" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.0";
}

smiv2:alias "ciscoLicenseMgmtMIBObjects" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.1";
}

smiv2:alias "clmgmtLicenseConfiguration" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1";
}

smiv2:alias "clmgmtLicenseInformation" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2";
}

smiv2:alias "clmgmtLicenseDeviceInformation" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3";
}

smiv2:alias "clmgmtLicenseNotifObjects" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.4";
}

smiv2:alias "ciscoLicenseMgmtMIBConform" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.2";
}

smiv2:alias "ciscoLicenseMgmtCompliances" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.2.1";
}

smiv2:alias "ciscoLicenseMgmtGroups" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.2.2";
}

-- *********************************************************************
-- CISCO-LICENSE-MGMT-MIB.my: Cisco MIB to manage licenses on
-- Cisco devices
-- July 2006, Sunil Gudurvalmiki
CISCO-LICENSE-MGMT-MIB DEFINITIONS ::= BEGIN

OBJECT-TYPE,
MODULE-IDENTITY,
Unsigned32,
NOTIFICATION-TYPE
   FROM SNMPv2-SMI
MODULE-COMPLIANCE,
OBJECT-GROUP,
NOTIFICATION-GROUP
   FROM SNMPv2-CONF
textual-convention,
TruthValue,
RowStatus,
StorageType,
DateAndTime
   FROM SNMPv2-TC
SnmpAdminString
   FROM SNMP-FRAMEWORK-MIB
entPhysicalIndex,
PhysicalIndexOrZero
   FROM ENTITY-MIB
InetAddressType,
InetAddress
   FROM INET-ADDRESS-MIB
ciscoMgmt
   FROM CISCO-SMI;

ciscoLicenseMgmtMIB MODULE-IDENTITY
LAST-UPDATED "201204190000Z"
ORGANIZATION "Cisco Systems Inc."
CONTACT-INFO
   "Cisco Systems
   Customer Service
   Postal: 170 W Tasman Drive
   San Jose, CA  95134
   USA
DESCRIPTION

"The MIB module for managing licenses on the system. The licensing mechanism provides flexibility to enforce licensing for various features in the system.

The following text introduces different concepts and terms that are necessary to understand the MIB definition and to perform license management.

UDI

Universal Device Identifier that uniquely identifies a device. It comprises of product ID, version ID and serial number of the device.

NODE LOCKED LICENSE:

Node locked licenses are locked to one of the device identifiers in the system. For example, the license can be locked to the UDI value of one of the devices in the system. Locking a license to an UDI guarantees that the license will not be moved to a device with a different UDI.

NON-NODE LOCKED LICENSE:

Non-node locked licenses are not locked to any device identifier. They can be used on other similar devices.

METERED LICENSE:

Metered licenses are valid for limited period of time and they expire after that. This period is the usage period of a license and it is not based on real time clock, but system clock.

EULA:

End User License Agreement.

EVALUATION LICENSE:

Evaluation licenses are non-node locked metered licenses which are valid only for a limited period. They are used only when there are no permanent, extension or grace period licenses for a feature. User will have to accept EULA (End User License Agreement) before using an evaluation license. Even though they are not node locked, their usage is recorded on the device.
RIGHT TO USE (RTU) LICENSE:
Right to use license is a non-node locked metered license which is in evaluation mode for a limited time after which it is converted to Right To Use (RTU) license and is valid for the lifetime of the product. User will have to accept EULA (End User License Agreement) before using this license. Even though it is not node locked, usage information is recorded on the device.

EXTENSION LICENSE:
Extension licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. User will have to accept an EULA as part of installation of extension license.

GRACE PERIOD LICENSE:
Grace period licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal as part of the permission ticket to rehost a license. These licenses are installed on the device as part of the rehost operation. User will have to accept an EULA as part of the rehost operation for this type of license. Details on permission ticket, rehost operations are provided further down in this description clause.

PERMANENT LICENSE:
Permanent licenses are node locked licenses that have no usage period associated with them. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. Once these licenses are installed, they will provide needed permission for the feature/image across different versions.

COUNTED LICENSE:
Counted licenses limit the number of similar entities that can use the license. For example, a counted license when used by a feature can limit the number of IP phones that can connect or the number of tunnels that can be created.

UNCOUNTED LICENSE:
Uncounted licenses do not limit the number of similar entities that can use the licenses.
License can be enforced at the image level or at the feature level and this MIB module supports both.

IMAGE LEVEL LICENSING:
A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems.

FEATURE LEVEL LICENSING:
Feature level licensing will support enforcement of license at individual feature. Features have to check for their licenses before enabling themselves. If it does not have a license, the feature should disable itself.

There is a one-to-one relationship between a feature and a license. That is, a feature can use only one license at a time and a license can be used by only one feature at a time.

LICENSE LINE:
A License line is an atomic set of ASCII characters arranged in a particular format that holds the license for a single feature within it. A line has all the necessary fields and attributes that make it a valid, non-tamper able and complete license.

LICENSE FILE:
File generated by Cisco licensing portal. It is used to install license on product. It has a user readable part and it contains one or more license lines.

DEVICE CREDENTIALS:
Device credentials file is a document that is generated by a licensed device. This document establishes the identity of the device and proves that the sender/user has/had authorized access to the device.

REHOST:
Rehost operation allows a node locked license that is installed on a device to be installed on other similar device. As part of rehost operation, a device processes the permission ticket, revokes the license(s) on the device and generates a rehost ticket as the proof of revocation. This rehost ticket needs to be presented to the Cisco's licensing portal to get the
license transferred on to a new similar device.

PERMISSION TICKET:
Permission ticket is a document generated by Cisco licensing portal that allows a device to rehost its licenses.

REHOST TICKET:
Rehost ticket is document generated by a device after it has applied a permission ticket. The rehost ticket is a proof of revocation.

LICENSING PORTAL:
Generates licenses, permission tickets and verifies device credentials and rehost tickets.

This MIB module provides MIB objects to install, clear, revoke licenses. It also provides objects to regenerate last rehost ticket, backup all the licenses installed on a device, generate & export EULA for licenses.

STEPS TO INSTALL A LICENSE:
To install a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the license file, uses device credentials to identify the device
3. Executes the license install action.

STEPS TO CLEAR A LICENSE:
To clear a license, the management application
1. Identifies the license to be cleared using license index.
2. Executes the license clear action.

STEPS TO REHOST A LICENSE:
To rehost a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the processPermissionTicket action. Device revokes the license and generates rehost ticket to be submitted as proof of revocation.
4. Retrieves device credentials of the device where the license needs to be transferred to.
5. Submits rehost ticket as proof of revocation to Cisco's licensing portal, uses device credentials of
the new device to identify the device, gets license file.
6. Executes the license install action on the new device.

STEPS TO REGENERATE LAST REHOST TICKET:
To regenerate last rehost ticket, the management application
1. Retrieves device credentials of the device.
2. Uses already obtained permission ticket or communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the regenerateLastRehostTicket action. Device generates rehost ticket to be submitted as proof of revocation.

STEPS TO BACKUP ALL LICENSES:
To backup all licenses installed in the device, the management application
1. Specifies the backup file path.
2. Executes the license backup action.

STEPS TO GENERATE & EXPORT EULA:
To install certain kind of licenses, the management application must accept EULA first. The management application can generate and export EULA for one or more licenses with out installing licenses as follows.
1. Specifies the license file path that has licenses to be installed
2. Specifies the EULA file path where EULA need to be exported to
3. Executes the generate EULA action.

To support the various license actions, this MIB module also defines MIB objects to know if a device supports licensing, retrieve device credentials, retrieve information on license stores in the device.

It also defines MIB objects to expose management information associated with the licenses installed on the device, with the licensable features in the software image.

This MIB module also defines various notifications that will be triggered to asynchronously notify the management application of any critical events.

This MIB module is defined generically so it can be
implemented on stand alone devices or stack of devices. In stack of devices, one device in the stack acts as master agent and rest are slave agents. Each device in the stack has its own UDI. The master agent receives requests on behalf of all the devices in the stack including itself and delegates it to other devices as needed. It also collects responses from other devices and sends them to the management application. Examples of such devices include stackable switches, devices with route processor and line cards. On the other hand, stand alone device is a single device and has only one UDI associated with it.

entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely. It is specified as the index or one of the index for tables in this MIB as needed.”

REVISION "201204190000Z"
DESCRIPTION "This version of the MIB adds support for Permanent Right to use (RTU) licensing. The revisions are:
o Updated clmgmtLicenseType object to support the following new types of license:
permanentRightToUse

The new module compliance is ciscoLicenseMgmtComplianceRev1.”

REVISION "201104190000Z"
DESCRIPTION "This version of the MIB adds support for Right to use (RTU) licensing. The revisions are:
o Added RTU license definition to MIB description above.
o Updated clmgmtLicenseType object to support the following new types of license:
evalRightToUse
rightToUse
o Added following objects to clmgmtLicenseInfoTable
clmgmtLicensePeriodUsed
o Added following objects to clmgmtLicensableFeatureTable
clmgmtFeaturePeriodUsed
o Added the following notifications
clmgmtLicenseEvalRTUTransitionWarning
clmgmtLicenseEvalRTUTransition
o Added the following conformance groups
clmgmtLicenseRTUGroup
clmgmtLicenseRTUUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1.”
REVISION "200811210000Z"
DESCRIPTION
"This version of the MIB adds support for subscription licensing. Subscription licenses provide software enforcement for a licensed feature for a fixed calendar period. The revisions are:
  o Updated clmgmtLicenseType object to support the following three new types of licenses:
    paidSubscription
evaluationSubscription
extensionSubscription
  o Added following objects to clmgmtLicenseInfoTable
    clmgmtLicenseStartDate
    clmgmtLicenseEndDate
  o Added following objects to clmgmtLicensableFeatureTable
    clmgmtFeatureStartDate
    clmgmtFeatureEndDate
  o Added the following notifications
    clmgmtLicenseSubscriptionExpiryWarning
clmgmtLicenseSubscriptionExtExpiryWarning
    clmgmtLicenseSubscriptionExpired
  o Added the following conformance groups
    clmgmtLicenseSubscriptionGroup
    clmgmtLicenseSubscriptionUsageNotifGroup
  The new module compliance is ciscoLicenseMgmtComplianceRev1."

REVISION        "200610030000Z"
DESCRIPTION
  "Initial version of this MIB module."
::= { ciscoMgmt 543 }

ciscoLicenseMgmtMIBNotifs  OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIB 0 }

ciscoLicenseMgmtMIBObjects  OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIB 1 }

ciscoLicenseMgmtMIBConform  OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIB 2 }

clmgmtLicenseConfiguration  OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIBObjects 1 }

clmgmtLicenseInformation  OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIBObjects 2 }

clmgmtLicenseDeviceInformation  OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIBObjects 3 }

clmgmtLicenseNotifObjects  OBJECT IDENTIFIER
ClmgmtLicenseIndex ::= TEXTUAL-CONVENTION
STATUS current
DESCRIPTION
"A unique value, for each license in the managed system.
It is not necessary to have values assigned contiguously.
The value for each license must remain constant
at least from one re-initialization of the entity's
network management system to the next re-initialization"
SYNTAX Unsigned32 (1..4294967295)

ClmgmtLicenseIndexOrZero ::= TEXTUAL-CONVENTION
STATUS current
DESCRIPTION
"This textual convention is an extension of the ClmgmtLicenseIndex
convention. The latter defines a greater than zero value
used to identify a license in the managed system. This
extension permits the additional value of zero. The value
zero is object-specific and must therefore be defined as
part of the description of any object which uses this
syntax. Examples of the usage of zero might include
situations where license was not present or unknown."
SYNTAX Unsigned32

ClmgmtLicenseTransferProtocol ::= TEXTUAL-CONVENTION
STATUS current
DESCRIPTION
"The transfer protocol that should be used for copying files
when performing license management. When the protocol is
set to local(2), local file system (flash or disk) is used.
Different agents may support different transfer protocols
and the management application is expected to somehow determine
which protocol is supported and use."
SYNTAX INTEGER {
  none(1),
  local(2),
  tftp(3),
  ftp(4),
  rcp(5),
  http(6),
  scp(7),
  sftp(8)
}

ClmgmtLicenseActionState ::= TEXTUAL-CONVENTION
STATUS current
DESCRIPTION
"The state of license action execution.

none(1) - action is not yet scheduled to be executed.

pending(2) - All the required parameters for the action are set and the action is scheduled to be executed.

inProgress(3) - action execution has started and is in progress.

successful(4) - action has completed successfully.

partiallySuccessful(5) - action has completed, but was partially successful. Management application can query additional MIB objects to know what is successful and what has failed. These additional objects are listed in the description of the corresponding action tables.

failed(6) - action has failed."

SYNTAX  INTEGER { none(1), pending(2), inProgress(3), successful(4), partiallySuccessful(5), failed(6) }

ClmgmtLicenseActionFailCause ::= TEXTUAL-CONVENTION
STATUS current
DESCRIPTION
"Reason for license action failure. Defines error codes for all the license actions.

none(1) - action execution has not started yet. If the action is completed and the action is successful, then also none(1) is returned to indicate that there are no errors.

generalFailure(2) - General licensing failure."
This will be used for resource unavailability failures.

Ex: Lack of memory.

transferProtocolNotSupported(3) - protocol selected is not supported.

fileServerNotReachable(4) - file server is not reachable.

unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid

invalidLicenseFilePath(6) - The license file path is not accessible.

invalidLicenseFile(7) - Contents of license file are not valid.

invalidLicenseLine(8) - License string in the license file is not valid.

licenseAlreadyExists(9) - Management application is trying to install a license that already exists.

licenseNotValidForDevice(10) - This license is not valid for the device/entPhysicalIndex specified.

invalidLicenseCount(11) - Invalid count for this counted license.

invalidLicensePeriod(12) - Validity period is invalid for this expiring license.

licenseInUse(13) - License file is in use by a feature/image.

invalidLicenseStore(14) - License store is not valid.

licenseStorageFull(15) - There is no more space in the license storage.

invalidPermissionTicketFile(16) - The permission ticket file path is not accessible.

invalidPermissionTicket(17) - The permission ticket file contents are not valid.

invalidRehostTicketFile(18) - The rehost ticket file path is not accessible.

invalidRehostTicket(19) - The rehost ticket file contents are not valid.

invalidLicenseBackupFile(20) - License backup store path is not accessible.

licenseClearInProgress(21) - When license clear action is in progress, license backup action is not permitted to avoid race conditions. This error code is sent back in response to a license backup action when a license clear action is in progress or in pending state. Try again in few
seconds.
invalidLicenseEULAFile(22) - EULA file path is not accessible.
SYNTAX INTEGER {
none(1),
generalFailure(2),
transferProtocolNotSupported(3),
fileServerNotReachable(4),
unrecognizedEntPhysicalIndex(5),
invalidLicenseFilePath(6),
invalidLicenseFile(7),
invalidLicenseLine(8),
licenseAlreadyExists(9),
licenseNotValidForDevice(10),
invalidLicenseCount(11),
invalidLicensePeriod(12),
licenseInUse(13),
invalidLicenseStore(14),
licenseStorageFull(15),
invalidPermissionTicketFile(16),
invalidPermissionTicket(17),
invalidRehostTicketFile(18),
invalidRehostTicket(19),
invalidLicenseBackupFile(20),
licenseClearInProgress(21),
invalidLicenseEULAFile(22)
}

clmgmtNextFreeLicenseActionIndex OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object contains appropriate value for clmgmtLicenseActionIndex that can be used to create an entry in clmgmtLicenseActionTable. The management application should read this object first and then use this as the value for clmgmtLicenseActionIndex to avoid collisions when creating entries in clmgmtLicenseActionTable. Following this approach does not guarantee collision free row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated."
::= { clmgmtLicenseConfiguration 1 }

-- Table for executing license management actions.
clmgmtLicenseActionTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseActionEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A table for invoking license management actions. Management application must create a row in this table to trigger any of the license management actions. The following are different actions that can be executed using this table.
1. install
2. clear
3. processPermissionTicket
4. regenerateLastRehostTicket
5. backup
6. generateEULA

Refer to the description of clmgmtLicenseAction for more information on what these actions do on the device.
Once the request completes, the management application should retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion."
 ::= { clmgmtLicenseConfiguration 2 }

clmgmtLicenseActionEntry OBJECT-TYPE
SYNTAX ClmgmtLicenseActionEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry for each action that is being executed or was executed recently. The management application executes an action by creating this entry. This can be done in the following 2 methods

1. CREATE-AND-GO method
   Management application sets clmgmtLicenseActionRowStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

2. CREATE-AND-WAIT method
   Management application sets clmgmtLicenseActionRowStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid
values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtLicenseActionRowStatus to active(1).

To stop the action from being executed, the management application can delete the entry by setting clmgmtLicenseActionRowStatus to destroy(6) when clmgmtLicenseActionState is pending(2).

The status of action execution can be known by querying clmgmtLicenseActionState. If the action is still in pending(2) or in inProgress(3) state, the management application need to check back again after few seconds. Once the action completes and status of the action is failed(6), the reason for failure can be retrieved from clmgmtLicenseActionFailCause. If the status of the action is partiallySuccessful(5), results of individual licenses can be queried from clmgmtLicenseActionResultTable.

Not all objects in the entry are needed to execute every action. Below is the list of actions and the required objects that are needed to be set for executing that action.

1. Installing a license
   The following MIB objects need to be set for installing a license
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicenseFile
   g. clmgmtLicenseStore
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAcceptEULA
   j. clmgmtLicenseAction

   clmgmtLicenseActionEntPhysicalIndex need not be set explicitly for license installs. License itself identifies the device where the license needs to be installed.

   clmgmtLicenseStore need to be set to store the licenses
in a non-default license store. But, if a license file has more than one license and licenses need to be installed on multiple devices (for example to multiple members with in a stack), then value of clmgmtLicenseStore is ignored and the licenses will be installed in default license stores of the respective devices.

2. Clearing a license
The following MIB objects need to be set for clearing a license
   a. clmgmtLicenseActionEntPhysicalIndex
   b. clmgmtLicenseActionLicenseIndex
   c. clmgmtLicenseStore
   d. clmgmtLicenseAction

3. Revoking a license
The following MIB objects need to be set for revoking a license
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicensePermissionTicketFile
   g. clmgmtLicenseRehostTicketFile
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAction

4. Regenerate last rehost ticket
The following MIB objects need to be set for regenerating last rehost ticket
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicensePermissionTicketFile
   g. clmgmtLicenseRehostTicketFile
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAction

5. Save all licenses to a backup storage
The following MIB objects need to be set for storing all licenses to a backup store
   a. clmgmtLicenseActionEntPhysicalIndex
   b. clmgmtLicenseActionTransferProtocol
   c. clmgmtLicenseServerAddressType
6. Generate and export EULA if the licenses need EULA to be accepted for installing.
The following MIB objects need to be set exporting required EULAs
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicenseFile
   g. clmgmtLicenseEULAFile
   h. clmgmtLicenseAction

For any action, if clmgmtLicenseActionTransferProtocol is set to local(2), the following objects need not be set.
   a. clmgmtLicenseServerAddressType
   b. clmgmtLicenseServerAddress
   c. clmgmtLicenseServerUsername
   d. clmgmtLicenseServerPassword

Entry can be deleted except when clmgmtLicenseAction is set to pending(2). All entries are volatile and are cleared on agent reset.”

INDEX           { clmgmtLicenseActionIndex }
::= { clmgmtLicenseActionTable 1 }

ClmgmtLicenseActionEntry ::= SEQUENCE {
  clmgmtLicenseActionIndex            Unsigned32,
  clmgmtLicenseActionEntPhysicalIndex PhysicalIndexOrZero,
  clmgmtLicenseActionTransferProtocol ClmgmtLicenseTransferProtocol,
  clmgmtLicenseServerAddressType      InetAddressType,
  clmgmtLicenseServerAddress          InetAddress,
  clmgmtLicenseServerUsername         SnmpAdminString,
  clmgmtLicenseServerPassword         SnmpAdminString,
  clmgmtLicenseFile                   SnmpAdminString,
  clmgmtLicenseStore                  Unsigned32,
  clmgmtLicenseActionLicenseIndex     ClmgmtLicenseIndexOrZero,
  clmgmtLicensePermissionTicketFile   SnmpAdminString,
  clmgmtLicenseRehostTicketFile       SnmpAdminString,
  clmgmtLicenseBackupFile             SnmpAdminString,
  clmgmtLicenseStopOnFailure          TruthValue,
  clmgmtLicenseAction                 INTEGER,
clmgmtLicenseActionState ClmgmtLicenseActionState,
clmgmtLicenseJobQPosition Unsigned32,
clmgmtLicenseActionFailCause ClmgmtLicenseActionFailCause,
clmgmtLicenseActionStorageType StorageType,
clmgmtLicenseActionRowStatus RowStatus,
clmgmtLicenseAcceptEULA TruthValue,
clmgmtLicenseEULAFile SnmpAdminString

clmgmtLicenseActionIndex OBJECT-TYPE
SYNTAX          Unsigned32 (1..4294967295)
MAX-ACCESS      not-accessible
STATUS          current
DESCRIPTION
 "This object uniquely identifies a row in
clmgmtLicenseActionTable. The management application should choose
this value by reading clmgmtNextFreeLicenseActionIndex
while creating an entry in this table. If an entry already
exists with this index, the creation of the entry will not
continue and error will be returned. The management application
should read the value of clmgmtNextFreeLicenseActionIndex
again and retry with the new value for this object."
::= { clmgmtLicenseActionEntry 1 }

clmgmtLicenseActionEntPhysicalIndex OBJECT-TYPE
SYNTAX          PhysicalIndexOrZero
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
 "This object represents the entPhysicalIndex of the device
where the action is being executed. This object is mainly
used in devices where one device is acting as a master and
rest of the devices as slaves. The master device is
responsible for SNMP communication with the management
application. Examples include stackable switches, devices
with route processor and line card configuration. If this
object is not set, the license action will be executed on
the master device. Note: This object need not be set if
there is a stand alone device"
DEFVAL          { 0 }
::= { clmgmtLicenseActionEntry 2 }

clmgmtLicenseActionTransferProtocol OBJECT-TYPE
SYNTAX          ClmgmtLicenseTransferProtocol
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
 "This object represents the transfer protocol to be used
when copying files as specified in the following objects.
1. clmgmtLicenseFile
2. clmgmtLicensePermissionTicketFile
3. clmgmtLicenseRehostTicketFile
4. clmgmtLicenseBackupFile

Note: This object need not be set if all the files required for the action are in device's local file system.

DEFVAL { none }
::= { clmgmtLicenseActionEntry 3 }

clmgmtLicenseServerAddressType OBJECT-TYPE
SYNTAX InetAddressType
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the transport type of the address contained in clmgmtLicenseServerAddress object. This must be set when clmgmtLicenseActionTransferProtocol is not none(1) or local(2)."
DEFVAL { unknown }
::= { clmgmtLicenseActionEntry 4 }

clmgmtLicenseServerAddress OBJECT-TYPE
SYNTAX InetAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the ip address of the server from which the files must be read or written to if clmgmtLicenseActionTransferProtocol is not none(1) or local(2).

All bits as 0s or 1s for clmgmtLicenseServerAddress are not allowed.

The format of this address depends on the value of the clmgmtLicenseServerAddressType object"
DEFVAL { "" }
::= { clmgmtLicenseActionEntry 5 }

clmgmtLicenseServerUsername OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..96))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the remote user name for accessing files via ftp, rcp, sftp or scp protocols. This object must
be set when the clmgmtLicenseActionTransferProtocol is ftp(4), rcp(5), scp(7) or sftp(8). If clmgmtLicenseActionTransferProtocol is rcp(5), the remote username is sent as the server username in an rcp command request sent by the system to a remote rcp server.

DEFVAL { "" }
::= { clmgmtLicenseActionEntry 6 }

clmgmtLicenseServerPassword OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..96))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the password used by ftp, sftp or scp for copying a file to/from an ftp/sftp/scp server. This object must be set when the clmgmtLicenseActionTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons."
DEFVAL { "" }
::= { clmgmtLicenseActionEntry 7 }

clmgmtLicenseFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object represents the location of the license file on the server identified by clmgmtLicenseServerAddress. This object MUST be set to a valid value before or concurrently with setting the value of the clmgmtLicenseAction object to install(2). For other operations, the value of this object is not considered, it is irrelevant."
DEFVAL { "" }
::= { clmgmtLicenseActionEntry 8 }

clmgmtLicenseStore OBJECT-TYPE
SYNTAX  Unsigned32
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object represents the clmgmtLicenseStoreIndex of the license store to use within the device. The license store can be a local disk or flash. A device can have more than one license stores. If this object is not set, the license will be stored in the default license store as exposed by clmgmtDefaultLicenseStore object."
DEFVAL { 0 }
::= { clmgmtLicenseActionEntry 9 }
::= { clmgmtLicenseActionEntry 9 }

clmgmtLicenseActionLicenseIndex OBJECT-TYPE
SYNTAX ClmgmtLicenseIndexOrZero
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the the license index of the license
that is the subject of this action. This is used for
identifying a license for performing actions specific to
that license. This object need to be set only if
clmgmtLicenseAction is set to clear(4). The value of this
object is same as the clmgmtLicenseIndex object in
clmgmtLicenseInfoEntry for license that is subject of this
action."
DEFVAL { 0 }
::= { clmgmtLicenseActionEntry 10 }

clmgmtLicensePermissionTicketFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the file name of the permission
ticket. This object need to be set only if
clmgmtLicenseAction is set to processPermissionTicket(4)
or regenerateLastRehostTicket(5) actions. The permission
ticket is obtained from Cisco licensing portal to revoke
a license. The management application must set this object
to valid value before invoking the action."
DEFVAL { "" }
::= { clmgmtLicenseActionEntry 11 }

clmgmtLicenseRehostTicketFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the file where the rehost ticket
generated by the device need to be exported to. The rehost
ticket is generated as a result of processPermissionTicket
and regenerateLastRehostTicket actions. After generating
the rehost ticket, the device exports the rehost ticket
contents to this file. This object need to be set only
if clmgmtLicenseAction is set to processPermissionTicket(4)
or regenerateLastRehostTicket(5) actions."
DEFVAL { "" }
::= { clmgmtLicenseActionEntry 12 }
clmgmtLicenseBackupFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the file where all the licenses in
the device need to be backed up. This object need to be set
only if clmgmtLicenseAction is set to backup(6) and the
management application must set the value of this object
to valid value before invoking action."
DEFVAL { "" }
::= { clmgmtLicenseActionEntry 13 }

clmgmtLicenseStopOnFailure OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates whether the license action should
stop if the action on a license fails. This object is
applicable only if there are more than one licenses
involved in an action."
DEFVAL { false }
::= { clmgmtLicenseActionEntry 14 }

clmgmtLicenseAction OBJECT-TYPE
SYNTAX INTEGER { 
    noOp(1),
    install(2),
    clear(3),
    processPermissionTicket(4),
    regenerateLastRehostTicket(5),
    backup(6),
    generateEULA(7) 
 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the command/action to be executed.

<table>
<thead>
<tr>
<th>Command</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>noOp(1)</td>
<td>No operation will be performed.</td>
</tr>
<tr>
<td>install(2)</td>
<td>Installs the license.</td>
</tr>
</tbody>
</table>
clear(3)  Clears the license.

processPermissionTicket(4)  Processes the permission ticket and generates and exports rehost ticket.

regenerateLastRehostTicket(5)  Generates and exports the last generated rehost ticket.

backup(6)  Backs up all the licenses installed currently onto a backup store.

generateEULA(7)  Checks whether the licenses in the license file need EULA acceptance and uploads the needed EULA contents to a file.”

DEFVAL  { noOp }

::= { clmgmtLicenseActionEntry 15 }

clmgmtLicenseActionState OBJECT-TYPE
SYNTAX  ClmgmtLicenseActionState
MAX-ACCESS  read-only
STATUS  current
DESCRIPTION
 "This object indicates the state of this license action.”
::= { clmgmtLicenseActionEntry 16 }

clmgmtLicenseJobQPosition OBJECT-TYPE
SYNTAX  Unsigned32
MAX-ACCESS  read-only
STATUS  current
DESCRIPTION
 "This object represents the position of the action in the license action job queue that is maintained internally. Only actions in pending(2) state will be put in the queue until they are executed. By reading this object, the management application can make intelligent decision on whether to execute another action that it is planning on. For example, if there is already a license clear action in the queue in pending(2) state, management application can choose to defer its license back up action to a later time. This object will return a value of 0 if the action is not in pending(2) state.”
::= { clmgmtLicenseActionEntry 17 }
clmgmtLicenseActionFailCause OBJECT-TYPE
SYNTAX ClmgmtLicenseActionFailCause
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the reason for this license action failure. The value of this object is valid only when clmgmtLicenseActionState is failed(6)."
::= { clmgmtLicenseActionEntry 18 }

clmgmtLicenseActionStorageType OBJECT-TYPE
SYNTAX StorageType
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."
DEFVAL { volatile }
::= { clmgmtLicenseActionEntry 19 }

clmgmtLicenseActionRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtLicenseConfigCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row. It is recommended that the management application should delete entries in this table after reading the result. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion"
::= { clmgmtLicenseActionEntry 20 }

clmgmtLicenseAcceptEULA OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates whether the End User License Agreement needed for installing the licenses is accepted."
true(1) - EULA is read and accepted
false(2) - EULA is not accepted

Management application should set this object to true(1) when installing licenses that need EULA acceptance.

DEFVAL { false }
::= { clmgmtLicenseActionEntry 21 }

c1mgmtLicenseEULAFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the file where all the End User License Agreements (EULAs) need to be exported to. This object need to be set only if clmgmtLicenseAction is set to generateEULA(7) and the management application must set the value of this object to valid value before invoking action."
DEFVAL { "" }
::= { clmgmtLicenseActionEntry 22 }

-- License action results table.

c1mgmtLicenseActionResultTable OBJECT-TYPE
SYNTAX SEQUENCE OF C1mgmtLicenseActionResultEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This table contains results of license action if the license action involves multiple licenses. Entries in this table are not created for actions where there is only license that is subject of the action. For example, if there are 3 licenses in a license file when executing license install action, 3 entries will be created in this table, one for each license."
::= { clmgmtLicenseConfiguration 3 }

c1mgmtLicenseActionResultEntry OBJECT-TYPE
SYNTAX C1mgmtLicenseActionResultEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in c1mgmtLicenseActionResultTable. Each entry contains result of the action for a single license. These entries are created immediately after action execution when the action involves multiple licenses. These entries get automatically deleted when the
corresponding entry in clmgmtLicenseActionTable is deleted.

INDEX

clmgmtLicenseActionIndex,
clmgmtLicenseNumber

::= { clmgmtLicenseActionResultTable 1 }

ClmgmtLicenseActionResultEntry ::= SEQUENCE {
  clmgmtLicenseNumber               Unsigned32,
  clmgmtLicenseIndivActionState     ClmgmtLicenseActionState,
  clmgmtLicenseIndivActionFailCause ClmgmtLicenseActionFailCause
}

clmgmtLicenseNumber OBJECT-TYPE
SYNTAX          Unsigned32 (1..4294967295)
MAX-ACCESS      not-accessible
STATUS          current
DESCRIPTION
"This object indicates the sequence number of this license in the list of licenses on which the action is executed. For example, if there are 3 licenses in a license file when executing license install action, this object will have values 1, 2 and 3 respectively as ordered in the license file."
::= { clmgmtLicenseActionResultEntry 1 }

clmgmtLicenseIndivActionState OBJECT-TYPE
SYNTAX          ClmgmtLicenseActionState
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
"This object indicates the state of action on this individual license."
::= { clmgmtLicenseActionResultEntry 2 }

clmgmtLicenseIndivActionFailCause OBJECT-TYPE
SYNTAX          ClmgmtLicenseActionFailCause
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
"This object indicates the reason for action failure on this individual license"
::= { clmgmtLicenseActionResultEntry 3 }

-- License Store Info Table
clmgmtLicenseStoreInfoTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseStoreInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This table contains information about all the license stores allocated on the device."
::= { clmgmtLicenseInformation 1 }

clmgmtLicenseStoreInfoEntry OBJECT-TYPE
SYNTAX ClmgmtLicenseStoreInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in clmgmtLicenseStoreInfoTable. Each entry contains information about a license store allocated on the device"
INDEX { entPhysicalIndex, clmgmtLicenseStoreIndex }
::= { clmgmtLicenseStoreInfoTable 1 }

ClmgmtLicenseStoreInfoEntry ::= SEQUENCE {
  clmgmtLicenseStoreIndex Unsigned32,
  clmgmtLicenseStoreName SnmpAdminString,
  clmgmtLicenseStoreTotalSize Unsigned32,
  clmgmtLicenseStoreSizeRemaining Unsigned32
}

clmgmtLicenseStoreIndex OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This object uniquely identifies a license store within the device."
::= { clmgmtLicenseStoreInfoEntry 1 }

clmgmtLicenseStoreName OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the name of the license store within the device. It is a file in device's local file system i.e., either on a local disk or flash or some other storage media. For example, the value of this
object can be 'disk1:lic_store_1.txt' or 'flash:lic_store_2.txt'

::= { clmgmtLicenseStoreInfoEntry 2 }

clmgmtLicenseStoreTotalSize OBJECT-TYPE
  SYNTAX          Unsigned32
  UNITS           "bytes"
  MAX-ACCESS      read-only
  STATUS          current
  DESCRIPTION
    "This object indicates the total number of bytes that are allocated to the license store."
  ::= { clmgmtLicenseStoreInfoEntry 3 }

clmgmtLicenseStoreSizeRemaining OBJECT-TYPE
  SYNTAX          Unsigned32
  UNITS           "bytes"
  MAX-ACCESS      read-only
  STATUS          current
  DESCRIPTION
    "This object indicates the number of bytes still remaining to be used for new license installations in the license store."
  ::= { clmgmtLicenseStoreInfoEntry 4 }

-- License Device Info Table

clmgmtLicenseDeviceInfoTable OBJECT-TYPE
  SYNTAX          SEQUENCE OF ClmgmtLicenseDeviceInfoEntry
  MAX-ACCESS      not-accessible
  STATUS          current
  DESCRIPTION
    "This table contains objects that provide licensing related information at the device level. Entries will exist only for entities that support licensing. For example, if it is a stand alone device and supports licensing, then there will be only one entry in this table. If it is stackable switch then there will be multiple entries with one entry for each device in the stack."
  ::= { clmgmtLicenseInformation 2 }

clmgmtLicenseDeviceInfoEntry OBJECT-TYPE
  SYNTAX          ClmgmtLicenseDeviceInfoEntry
  MAX-ACCESS      not-accessible
  STATUS          current
  DESCRIPTION
    "An entry in clmgmtLicenseDeviceInfoTable. Each entry
contains device level licensing information for a device.

INDEX
[entPhysicalIndex ]
::= { clmgmtLicenseDeviceInfoTable 1 }

ClmgmtLicenseDeviceInfoEntry ::= SEQUENCE {
  clmgmtDefaultLicenseStore Unsigned32
}

clmgmtDefaultLicenseStore OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the clmgmtLicenseStoreIndex of
default store in the device. There will be only one
default license store per device. If no license store
is specified during license install, this default license
store will be used."
::= { clmgmtLicenseDeviceInfoEntry 1 }

-- License Info Table

clmgmtLicenseInfoTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This table contains information about all the licenses
installed on the device."
::= { clmgmtLicenseInformation 3 }

clmgmtLicenseInfoEntry OBJECT-TYPE
SYNTAX ClmgmtLicenseInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in clmgmtLicenseInfoTable. Each entry contains
information about a license installed on the device. This
entry gets created when a license is installed successfully.
Management application can not create these entries directly, but
will do so indirectly by executing license install action.
Some of these entries may already exist that correspond to
demo licenses even before management application installs any
licenses."
INDEX
[ ]
  entPhysicalIndex,
  clmgmtLicenseStoreUsed,
clmgmtLicenseStoreUsed       Unsigned32,
clmgmtLicenseIndex           ClmgmtLicenseIndex,
clmgmtLicenseFeatureName     SnmpAdminString,
clmgmtLicenseFeatureVersion  SnmpAdminString,
clmgmtLicenseType            INTEGER,
clmgmtLicenseCounted         TruthValue,
clmgmtLicenseValidityPeriod  Unsigned32,
clmgmtLicenseValidityPeriodRemaining Unsigned32,
clmgmtLicenseExpiredPeriod   Unsigned32,
clmgmtLicenseMaxUsageCount   Unsigned32,
clmgmtLicenseUsageCountRemaining Unsigned32,
clmgmtLicenseEULAStatus      TruthValue,
clmgmtLicenseComments        SnmpAdminString,
clmgmtLicenseStatus          INTEGER,
clmgmtLicenseStartDate       DateAndTime,
clmgmtLicenseEndDate         DateAndTime,
clmgmtLicensePeriodUsed      Unsigned32

clmgmtLicenseStoreUsed OBJECT-TYPE
SYNTAX          Unsigned32 (1..4294967295)
MAX-ACCESS      not-accessible
STATUS          current
DESCRIPTION
  "This object represents the license store that is used for
  storing this license. This object will have the same value
  as clmgmtLicenseStoreIndex in clmgmtLicenseStoreInfoEntry
  of the license store used."
 ::= { clmgmtLicenseInfoEntry 1 }

clmgmtLicenseIndex OBJECT-TYPE
SYNTAX          ClmgmtLicenseIndex
MAX-ACCESS      not-accessible
STATUS          current
DESCRIPTION
  "This object uniquely identifies a license within
  the device."
 ::= { clmgmtLicenseInfoEntry 2 }

clmgmtLicenseFeatureName OBJECT-TYPE
SYNTAX          SnmpAdminString (SIZE (0..128))
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
"This object indicates the name of the feature that is
using or can use this license. A license can be used by
only one feature. Examples of feature name are: 'IPBASE',
'ADVIPSERVICE'."
 ::= { clmgmtLicenseInfoEntry 3 }

clmgmtLicenseFeatureVersion OBJECT-TYPE
SYNTAX    SnmpAdminString (SIZE  (0..128))
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
"This object indicates the version of the feature that is
using or can use this license. Examples of feature version
are: '1.0', '2.0'"
 ::= { clmgmtLicenseInfoEntry 4 }

clmgmtLicenseType OBJECT-TYPE
SYNTAX    INTEGER  {
    demo(1),
enextension(2),
gracePeriod(3),
permanent(4),
paidSubscription(5),
evaluationSubscription(6),
extensionSubscription(7),
evalRightToUse(8),
rightToUse(9),
permanentRightToUse(10)
}
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
"This object identifies type of license. Licenses may have
validity period defined in terms of time duration that the
license is valid for or it may be defined in terms of actual
calendar dates. Subscription licenses are licenses that have
validity period defined in terms of calendar dates.

demo(1)       - demo(evaluation license) license.
extension(2)  - Extension(expiring) license.
gracePeriod(3) - Grace period license.
permanent(4)  - permanent license, the license has no
                expiry date.
paidSubscription(5) - Paid subscription licenses are the
licenses
                which are purchased by customers. These
licenses have a start date and end date
evaluationSubscription(6)-Evaluation subscription licenses are the trial licenses. These licenses are node locked and it can be obtained only once for an UDI. They are valid based on calendar days. These licenses have a start date and an end date associated with them and are issued once per UDI.

extensionSubscription(7)- Extension subscription licenses are similar to evaluation subscription licenses but these licenses are issued based on customer request. There are no restrictions on the number of licenses available for a UDI.

evalRightToUse(8)       - Evaluation Right to use (RTU) license.
rightToUse(9)           - Right to use (RTU) license.
permanentRightToUse(10) ? Right To Use license right after it is configured and is valid for the lifetime of the product. This is a Right To Use license which is not in evaluation mode for a limited time.”

::= { clmgmtLicenseInfoEntry 5 }

clmgmtLicenseCounted OBJECT-TYPE
SYNTAX          TruthValue
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
 “This object indicates whether the license is counted license.
 true(1)  - counted license
 false(2) - uncounted license”
 ::= { clmgmtLicenseInfoEntry 6 }

clmgmtLicenseValidityPeriod OBJECT-TYPE
SYNTAX          Unsigned32
UNITS           "seconds"
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
 “This object indicates the time period the license is valid for.
 This object is applicable only if clmgmtLicenseType is demo(1),
or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will return 0 for other license types.”
 ::= { clmgmtLicenseInfoEntry 7 }
clmgmtLicenseValidityPeriodRemaining OBJECT-TYPE
SYNTAX Unsigned32
UNITS "seconds"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the time period remaining before the license expires or transitions to rightToUse(9) license. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will contain 0 for other license types."
 ::= { clmgmtLicenseInfoEntry 8 }

clmgmtLicenseExpiredPeriod OBJECT-TYPE
SYNTAX Unsigned32
UNITS "seconds"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the elapsed time period since the license expired. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3). Also, this value of this object will be valid only after the license expires. The object will return 0 for other license types or before the license expiry."
 ::= { clmgmtLicenseInfoEntry 9 }

clmgmtLicenseMaxUsageCount OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the maximum number of entities that can use this license. This object is applicable only if clmgmtLicenseCounted is true(1). The entity that is being counted can be anything and it depends on the licensable feature."
 ::= { clmgmtLicenseInfoEntry 10 }

clmgmtLicenseUsageCountRemaining OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the number of entities that can still use this license. This object is applicable only if clmgmtLicenseCounted is true(1)."
 ::= { clmgmtLicenseInfoEntry 11 }
clmgmtLicenseEULASStatus OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates whether the user accepted
End User License Agreement for this license.

true(1) - EULA accepted
false(2) - EULA not accepted"
::= { clmgmtLicenseInfoEntry 12 }

clmgmtLicenseComments OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This object represents the user modifiable comments
about the license. This object is initially populated
with comments from the license file."
::= { clmgmtLicenseInfoEntry 13 }

clmgmtLicenseStatus OBJECT-TYPE
SYNTAX INTEGER { inactive(1), notInUse(2), inUse(3), expiredInUse(4), expiredNotInUse(5), usageCountConsumed(6) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object represents status of the license.
inactive(1) - license is installed, but
not active.
notInUse(2) - license is installed and
available for use.
inUse(3) - the license is being used (by
a feature).
expiredInUse(4) - license is expired but still
being held by the feature.
expiredNotInUse(5) - license is expired and not being
held by any feature.
usageCountConsumed(6) - number of entities using this
licenses has reached the allowed limit, no new entities are allowed to use this license.”

 ::= { clmgmtLicenseInfoEntry 14 }

clmgmtLicenseStartDate OBJECT-TYPE
SYNTAX DateAndTime
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the start date for a subscription license. It is optional for subscription licenses to have a start date associated with them, they may only have an end date associated with them. This object may be applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable.”

 ::= { clmgmtLicenseInfoEntry 15 }

clmgmtLicenseEndDate OBJECT-TYPE
SYNTAX DateAndTime
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the end date for a subscription license. This object is applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable.”

 ::= { clmgmtLicenseInfoEntry 16 }

clmgmtLicensePeriodUsed OBJECT-TYPE
SYNTAX Unsigned32
UNITS "seconds"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the time period used for the Right to use (RTU) licenses. This object is applicable for all RTU licenses.”

 ::= { clmgmtLicenseInfoEntry 17 }

-- Licensable features information table.

clmgmtLicensableFeatureTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicensableFeatureEntry
This table contains a list of licensable features in the image. All the licensable features will have an entry each in this table irrespective of whether they are using any licenses currently. Entries in this table are created by the agent one for each licensable feature in the image. These entries remain in the table permanently and can not be deleted. Management application can not create or delete entries from this table.

::= { clmgmtLicenseInformation 4 }

clmgmtLicensableFeatureEntry OBJECT-TYPE
SYNTAX ClmgmtLicensableFeatureEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in clmgmtLicensableFeatureTable. Each entry represents a licensable feature."
INDEX

<table>
<thead>
<tr>
<th>clmgmtFeatureIndex</th>
</tr>
</thead>
</table>

::= { clmgmtLicensableFeatureTable 1 }

ClmgmtLicensableFeatureEntry ::= SEQUENCE {
  clmgmtFeatureIndex Unsigned32,
  clmgmtFeatureName SnmpAdminString,
  clmgmtFeatureVersion SnmpAdminString,
  clmgmtFeatureValidityPeriodRemaining Unsigned32,
  clmgmtFeatureWhatIsCounted SnmpAdminString,
  clmgmtFeatureStartDate DateAndTime,
  clmgmtFeatureEndDate DateAndTime,
  clmgmtFeaturePeriodUsed Unsigned32
}

clmgmtFeatureIndex OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This object uniquely identifies a licensable feature in the device."
::= { clmgmtLicensableFeatureEntry 1 }

clmgmtFeatureName OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..128))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the name of the licensable feature in the device. Examples of feature names are: 'IPBASE', 'ADVIPSERVICE'."
::= { clmgmtLicensableFeatureEntry 2 }

clmgmtFeatureVersion OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..32))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the version of the licensable feature in the device. Examples of feature versions are: '1.0' or '2.0'."
::= { clmgmtLicensableFeatureEntry 3 }

clmgmtFeatureValidityPeriodRemaining OBJECT-TYPE
SYNTAX Unsigned32
UNITS "seconds"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the time period remaining before the feature's license expires or transitions. This object is applicable only if clmgmtLicenseType of the license used by this feature is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8).

The object will contain 0 if other types of license is used or if the feature does not use any license. If the feature is using multiple licenses, this period will represent the cumulative period remaining from all the licenses used by this feature."
::= { clmgmtLicensableFeatureEntry 4 }

clmgmtFeatureWhatIsCounted OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..128))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object represents the entity that is being counted by this feature. Examples of entities are IP Phones, number of sessions etc. This object is only applicable for features that use counting licenses. For other features, this object will return empty string."
::= { clmgmtLicensableFeatureEntry 5 }
clmgmtFeatureStartDate OBJECT-TYPE
SYNTAX          DateAndTime
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object indicates the license start date of the feature.
   This object is applicable if at least one of the licenses used
   for this feature has a valid start date. The start date will
   be the earliest of the valid start dates of all the licenses
   used for this feature. If none of the licenses used for this
   feature have a valid start date then this object will contain an
   octet string of length 0."
 ::= { clmgmtLicensableFeatureEntry 6 }

clmgmtFeatureEndDate OBJECT-TYPE
SYNTAX          DateAndTime
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object indicates the license end date of the feature.
   This object is applicable if at least one of the licenses used
   for this feature has a valid end date. The end date will
   be the latest of the valid end dates of all the licenses
   used for this feature. If none of the licenses used for this
   feature have a valid end date then this object will contain an
   octet string of length 0."
 ::= { clmgmtLicensableFeatureEntry 7 }

clmgmtFeaturePeriodUsed OBJECT-TYPE
SYNTAX          Unsigned32
UNITS           "seconds"
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object indicates the license period used for the feature."
 ::= { clmgmtLicensableFeatureEntry 8 }

-- MIB objects for exporting device credentials

clmgmtNextFreeDevCredExportActionIndex OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object contains appropriate value for
clmgmtDevCredExportActionIndex that can be used to create an entry in clmgmtDevCredExportActionTable. The management application should read this object first and then use this as the value for clmgmtDevCredExportActionIndex to avoid collisions when creating entries in clmgmtDevCredExportActionTable. Following this approach does not guarantee collision free row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated."

::= { clmgmtLicenseDeviceInformation 1 }

-- Table for triggering action to export device credentials.

clmgmtDevCredExportActionTable OBJECT-TYPE
SYNTAX      SEQUENCE OF ClmgmtDevCredExportActionEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    "A table for triggering device credentials export action. Management application must create this entry to trigger the export of device credentials from the device to a file.

    Once the request completes, the management application should retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion."

 ::= { clmgmtLicenseDeviceInformation 2 }

clmgmtDevCredExportActionEntry OBJECT-TYPE
SYNTAX      ClmgmtDevCredExportActionEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    "An entry for each device credential export action that is being executed or was executed recently. The management application triggers the export by creating an entry in this table. This can be done in the following 2 methods

    1. CREATE-AND-GO method
        Management application sets clmgmtDevCredExportActionStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the
action. If the SET request fails, the entry will not be created.

2. CREATE-AND-WAIT method

Management application sets clmgmtDevCredExportActionStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtDevCredExportActionStatus to active(1).

To stop the action from being executed, the management application can delete the entry by setting clmgmtDevCredExportActionStatus to destroy(6) when clmgmtDevCredCommandState is pending(2).

The status of action execution can be known by querying clmgmtDevCredCommandState. If the action is still in pending(2) or inProgress(3), the management application need to check back again after few seconds. Once the action completes and if status of the action is failed(6), the reason for failure can be retrieved from clmgmtDevCredCommandFailCause.

Entry can be deleted except when clmgmtLicenseAction is set to inProgress(3). All entries in this table are volatile and are cleared on agent reset.

INDEX
   { clmgmtDevCredExportActionIndex }
::= { clmgmtDevCredExportActionTable 1 }

ClmgmtDevCredExportActionEntry ::= SEQUENCE {
   clmgmtDevCredExportActionIndex Unsigned32,
   clmgmtDevCredEntPhysicalIndex PhysicalIndexOrZero,
   clmgmtDevCredTransferProtocol ClmgmtLicenseTransferProtocol,
   clmgmtDevCredServerAddressType InetAddressType,
   clmgmtDevCredServerAddress InetAddress,
   clmgmtDevCredServerUsername SnmpAdminString,
   clmgmtDevCredServerPassword SnmpAdminString,
   clmgmtDevCredExportFile SnmpAdminString,
   clmgmtDevCredCommand INTEGER,
   clmgmtDevCredCommandState ClmgmtLicenseActionState,
   clmgmtDevCredCommandFailCause INTEGER,
   clmgmtDevCredStorageType StorageType,
   clmgmtDevCredRowStatus RowStatus
}

clmgmtDevCredExportActionIndex OBJECT-TYPE
SYNTAX       Unsigned32 (1..4294967295)
DESCRIPTION
"This object uniquely identifies a row in clmgmtDevCredExportActionTable. The management application chooses this value by reading clmgmtNextFreeDevCredExportActionIndex while creating an entry in this table. If an entry already exists with this index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeDevCredExportActionIndex again and retry with the new value for this object."
::= { clmgmtDevCredExportActionEntry 1 }

clmgmtDevCredEntPhysicalIndex OBJECT-TYPE
SYNTAX PhysicalIndexOrZero
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object represents the entPhysicalIndex of the device for which the device credentials are being retrieved. This object is mainly used in devices where one device is acting as a master and rest of the devices as slaves. The master device is responsible for SNMP communication with the manager. Examples include stackable switches, devices with router processor and line cards.

Note: This object need not be set if it is a stand alone device"
DEFVAL { 0 }
::= { clmgmtDevCredExportActionEntry 2 }

clmgmtDevCredTransferProtocol OBJECT-TYPE
SYNTAX ClmgmtLicenseTransferProtocol
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the transfer protocol to be used when copying files as specified in the following objects.
1. clmgmtDevCredExportFile
"
DEFVAL { none }
::= { clmgmtDevCredExportActionEntry 3 }

clmgmtDevCredServerAddressType OBJECT-TYPE
SYNTAX InetAddressType
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the transport type of the
address contained in clmgmtDevCredServerAddress object.
This must be set when clmgmtDevCredTransferProtocol
is not none(1) or local(2)."
DEFVAL { unknown }
 ::= { clmgmtDevCredExportActionEntry 4 }

clmgmtDevCredServerAddress OBJECT-TYPE
SYNTAX     InetAddress
MAX-ACCESS read-create
STATUS      current
DESCRIPTION
"This object indicates the the ip address of the server
from which the files must be read or written to if
clmgmtDevCredTransferProtocol is not none(1) or local(2).

All bits as 0s or 1s for clmgmtDevCredServerAddress are not
allowed.

The format of this address depends on the value of the
clmgmtDevCredServerAddressType object"
DEFVAL { "" }
 ::= { clmgmtDevCredExportActionEntry 5 }

clmgmtDevCredServerUsername OBJECT-TYPE
SYNTAX     SnmpAdminString (SIZE (0..96))
MAX-ACCESS read-create
STATUS      current
DESCRIPTION
"This object indicates the remote user name for accessing
files via ftp, rcp, sftp or scp protocols. This object
must be set when the clmgmtDevCredTransferProtocol is
ftp(4), rcp(5), scp(7) or sftp(8). If
clmgmtDevCredTransferProtocol is rcp(5), the remote
username is sent as the server username in an rcp command
request sent by the system to a remote rcp server."
DEFVAL { "" }
 ::= { clmgmtDevCredExportActionEntry 6 }

clmgmtDevCredServerPassword OBJECT-TYPE
SYNTAX     SnmpAdminString (SIZE (0..96))
MAX-ACCESS read-create
STATUS      current
DESCRIPTION
"This object indicates the password used by ftp, sftp or
scp for copying a file to/from an ftp/sftp/scp server.
This object must be set when the
clmgmtDevCredTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons.
DEFVAL [ "" ] ::= { clmgmtDevCredExportActionEntry 7 }

clmgmtDevCredExportFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION "This object represents file where device credentials needs to be exported to."
 ::= { clmgmtDevCredExportActionEntry 8 }

clmgmtDevCredCommand OBJECT-TYPE
SYNTAX INTEGER {
    noOp(1),
    getDeviceCredentials(2)
} MAX-ACCESS read-create
STATUS current
DESCRIPTION "This object indicates the the command to be executed.

<table>
<thead>
<tr>
<th>Command</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>noOp(1)</td>
<td>No operation will be performed.</td>
</tr>
<tr>
<td>getDeviceCredentials(2)</td>
<td>Exports device credentials”</td>
</tr>
</tbody>
</table>
DEFVAL { noOp } ::= { clmgmtDevCredExportActionEntry 9 }

clmgmtDevCredCommandState OBJECT-TYPE
SYNTAX ClmgmtLicenseActionState
MAX-ACCESS read-only
STATUS current
DESCRIPTION "This object indicates the state of the action that is executed as a result of setting clmgmtDevCredRowStatus to active(1)."
 ::= { clmgmtDevCredExportActionEntry 10 }

clmgmtDevCredCommandFailCause OBJECT-TYPE
SYNTAX INTEGER {
    none(1),
    unknownError(2),
    ...
transferProtocolNotSupported(3),
fileServerNotReachable(4),
unrecognizedEntPhysicalIndex(5),
invalidFile(6)
}
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
"This object indicates the reason for device credentials export operation failure.

The value of this object is valid only when clmgmtDevCredCommandState is failed(6).

none(1)         - action execution has not started yet.
                If the action is completed and the action is successful, then also
                none(1) is returned to indicate that there are no errors.
unknownError(2) - reason for failure is unknown, operation failed, no operation is performed
transferProtocolNotSupported(3) - clmgmtDevCredTransferProtocol given is not supported.
fileServerNotReachable(4)       - file server is not reachable.
unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid
invalidFile(6)  - The target file specified is not valid."
::= { clmgmtDevCredExportActionEntry 11 }

clmgmtDevCredStorageType OBJECT-TYPE
SYNTAX        StorageType
MAX-ACCESS    read-create
STATUS        current
DESCRIPTION
"This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."
DEFVAL        { volatile }
::= { clmgmtDevCredExportActionEntry 12 }

clmgmtDevCredRowStatus OBJECT-TYPE
SYNTAX        RowStatus
MAX-ACCESS    read-create
STATUS        current
DESCRIPTION
"This object indicates the status of this table entry. Once the entry status is set to active(1), the associated
entry cannot be modified until the action completes (clmgmtDevCredCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row.

clmgmtDevCredExportFile is a mandatory object to be set when creating this entry.”
::= { clmgmtDevCredExportActionEntry 13 }

-- Objects for enabling/disabling notifications

clmgmtLicenseUsageNotifEnable OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This object indicates whether the device should generate the notifications related to usage of licenses. This object enables/disables sending following notifications:
  clmgmtLicenseExpired
  clmgmtLicenseExpiryWarning
  clmgmtLicenseUsageCountExceeded
  clmgmtLicenseUsageCountAboutToExceed
  clmgmtLicenseSubscriptionExpiryWarning
  clmgmtLicenseSubscriptionExpired
  clmgmtLicenseEvalRTUTransitionWarning
  clmgmtLicenseEvalRTUTransition"
DEFVAL { true }
::= { clmgmtLicenseNotifObjects 1 }

clmgmtLicenseDeploymentNotifEnable OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This object indicates whether the device should generate notifications related to license deployment. This object enables/disables sending following notifications:
  clmgmtLicenseInstalled
  clmgmtLicenseCleared
  clmgmtLicenseRevoked
  clmgmtLicenseEULAAccepted"
DEFVAL { true }
::= { clmgmtLicenseNotifObjects 2 }
clmgmtLicenseErrorNotifEnable OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This object indicates whether the device should generate
notifications related to error conditions in enforcing
licensing. This object enables/disables sending following
notifications:
   clmgmtLicenseNotEnforced"
DEFVAL { true }
::= { clmgmtLicenseNotifObjects 3 }

-- Notifications

clmgmtLicenseExpired NOTIFICATION-TYPE
OBJECTS { clmgmtFeatureName, clmgmtFeatureVersion }
STATUS current
DESCRIPTION
"This notification is sent, when a feature license
expires. This notification will be sent continuously
every week even after the expiry to alert the management
application."
::= { ciscoLicenseMgmtMIBNotifs 1 }

clmgmtLicenseExpiryWarning NOTIFICATION-TYPE
OBJECTS { clmgmtFeatureName, clmgmtFeatureVersion,
            clmgmtFeatureValidityPeriodRemaining }
STATUS current
DESCRIPTION
"This notification is sent when a license is about to
expire. This notification will go out multiple times.
First notification goes out when expiry day is 4 weeks
ahead, second notification when expiry day is 3 weeks
ahead, third notification when expiry day is 2 weeks
ahead. This notification will go out daily in the
last week of license expiry."
::= { ciscoLicenseMgmtMIBNotifs 2 }

clmgmtLicenseUsageCountExceeded NOTIFICATION-TYPE
OBJECTS { }
clmgmtLicenseUsageCountAboutToExceed NOTIFICATION-TYPE
OBJECTS

clmgmtLicenseFeatureName,
clmgmtLicenseFeatureVersion,
clmgmtLicenseMaxUsageCount,
clmgmtLicenseUsageCountRemaining,
clmgmtFeatureWhatIsCounted,
clmgmtLicenseComments

STATUS current
DESCRIPTION
"This notification is sent when clmgmtLicenseUsageCountRemaining has reached clmgmtLicenseMaxUsageCount for a counting license."
::= { ciscoLicenseMgmtMIBNotifs 3 }

clmgmtLicenseCleared NOTIFICATION-TYPE
OBJECTS

clmgmtLicenseFeatureName,
clmgmtLicenseFeatureVersion,
clmgmtLicenseMaxUsageCount,
clmgmtFeatureWhatIsCounted,
clmgmtLicenseComments

STATUS current
DESCRIPTION
"This notification is sent when a license is cleared."
clmgmtLicenseType,
clmgmtLicenseComments
}

STATUS current

DESCRIPTION
"This notification is sent when a license is cleared
successfully."
::= { ciscoLicenseMgmtMIBNotifs 6 }

clmgmtLicenseRevoked NOTIFICATION-TYPE

OBJECTS

clmgmtLicenseFeatureName,
clmgmtLicenseFeatureVersion,
clmgmtLicenseType,
clmgmtLicenseComments

}  

STATUS current

DESCRIPTION
"This notification is sent when a license is revoked
successfully."
::= { ciscoLicenseMgmtMIBNotifs 7 }

clmgmtLicenseEULAAccepted NOTIFICATION-TYPE

OBJECTS

clmgmtFeatureName,
clmgmtFeatureVersion

}  

STATUS current

DESCRIPTION
"This notification is sent when a user accepts End User
License Agreement (EULA) for a license."
::= { ciscoLicenseMgmtMIBNotifs 8 }

clmgmtLicenseNotEnforced NOTIFICATION-TYPE

OBJECTS

clmgmtFeatureName,
clmgmtFeatureVersion

}  

STATUS current

DESCRIPTION
"This notification is sent when a license does not
exist for a feature, but the feature is a mandatory
feature and it should run. This notification will be
sent out periodically to indicate that there is no
license installed for this feature and it needs to
be done as soon as possible."
::= { ciscoLicenseMgmtMIBNotifs 9 }
clmgmtLicenseSubscriptionExpiryWarning NOTIFICATION-TYPE
OBJECTS {  
clmgmtFeatureName,
clmgmtFeatureVersion,
clmgmtFeatureEndDate  
}
STATUS current
DESCRIPTION  
"This notification is sent when a subscription license of a feature is about to expire. This notification will be sent as per the following schedule:  
Once a week for the last eight weeks  
Once a day for the last week  
Once a hour for the last day"
::= { ciscoLicenseMgmtMIBNotifs 10 }

clmgmtLicenseSubscriptionExtExpiryWarning NOTIFICATION-TYPE
OBJECTS {  
clmgmtFeatureName,
clmgmtFeatureVersion,
clmgmtFeatureEndDate  
}
STATUS current
DESCRIPTION  
"This notification is sent when the subscription license end date of a feature is reached but extension period is left. This notification will be sent once a day after the license end date is reached."
::= { ciscoLicenseMgmtMIBNotifs 11 }

clmgmtLicenseSubscriptionExpired NOTIFICATION-TYPE
OBJECTS {  
clmgmtFeatureName,
clmgmtFeatureVersion,
clmgmtFeatureEndDate  
}
STATUS current
DESCRIPTION  
"This notification will be sent after a subscription license of a feature completely expires. It will be sent once a day after the license has completely expired"
::= { ciscoLicenseMgmtMIBNotifs 12 }

clmgmtLicenseEvalRTUTransitionWarning NOTIFICATION-TYPE
OBJECTS {  
clmgmtFeatureName,
clmgmtFeatureVersion,
clmgmtFeatureValidityPeriodRemaining  
}
This notification is sent when Evaluation to Right to use (RTU) license transition is about to happen. The first notification will be sent 10 days before the transition and second notification will be sent 5 days before the transition.

::= { ciscoLicenseMgmtMIBNotifs 13 }

clmgmtLicenseEvalRTUTransition NOTIFICATION-TYPE
OBJECTS
  { clmgmtFeatureName, clmgmtFeatureVersion }
STATUS current
DESCRIPTION
  "This notification is sent, when a feature license transitions from an evaluation to a Right to use (RTU) license."
::= { ciscoLicenseMgmtMIBNotifs 14 }

-- Conformance

ciscoLicenseMgmtCompliances OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIBConform 1 }

ciscoLicenseMgmtGroups OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIBConform 2 }

ciscoLicenseMgmtCompliance MODULE-COMPLIANCE
STATUS deprecated
DESCRIPTION
  "Compliance statement for Cisco license mgmt MIB."
MODULE -- this module
MANDATORY-GROUPS
  { clmgmtLicenseDeploymentGroup, clmgmtLicenseDeviceInformationGroup, clmgmtLicenseInformationGroup, clmgmtLicensableFeatureInformationGroup, clmgmtLicenseDevCredGroup, clmgmtLicenseNotificationEnableGroup, clmgmtLicenseUsageNotifGroup, clmgmtLicenseDeploymentNotifGroup, clmgmtLicenseErrorNotifGroup }

GROUP clmgmtLicenseStoreInformationGroup
DESCRIPTION
  "This group is mandatory for all devices where
multiple license stores are supported."
::= { ciscoLicenseMgmtCompliances 1 }

ciscoLicenseMgmtComplianceRev1 MODULE-COMPLIANCE
STATUS current
DESCRIPTION "Compliance statement for Cisco license mgmt MIB."
MODULE -- this module
MANDATORY-GROUPS {
  clmgmtLicenseDeploymentGroup,
  clmgmtLicenseDeviceInformationGroup,
  clmgmtLicenseInformationGroup,
  clmgmtLicensableFeatureInformationGroup,
  clmgmtLicenseDevCredGroup,
  clmgmtLicenseNotificationEnableGroup,
  clmgmtLicenseUsageNotifGroup,
  clmgmtLicenseDeploymentNotifGroup,
  clmgmtLicenseErrorNotifGroup
}

GROUP clmgmtLicenseStoreInformationGroup
DESCRIPTION "This group is mandatory for all devices where
  multiple license stores are supported."

GROUP clmgmtLicenseSubscriptionGroup
DESCRIPTION "This object group is mandatory for all devices that
  support subscription licensing."

GROUP clmgmtLicenseSubscriptionUsageNotifGroup
DESCRIPTION "This notification group is mandatory for all devices that
  support subscription licensing."

GROUP clmgmtLicenseRTUGroup
DESCRIPTION "This object group is mandatory for all devices that
  support Right to Use (RTU) licensing."

GROUP clmgmtLicenseRTUUsageNotifGroup
DESCRIPTION "This notification group is mandatory for all devices that
  support Right to use (RTU) licensing."
::= { ciscoLicenseMgmtCompliances 2 }

-- Units of Conformance
clmgmtLicenseDeploymentGroup OBJECT-GROUP
  OBJECTS {
    clmgmtNextFreeLicenseActionIndex,
    clmgmtLicenseActionEntPhysicalIndex,
    clmgmtLicenseActionTransferProtocol,
    clmgmtLicenseServerAddressType,
    clmgmtLicenseServerAddress,
    clmgmtLicenseServerUsername,
    clmgmtLicenseServerPassword,
    clmgmtLicenseFile,
    clmgmtLicenseStore,
    clmgmtLicenseActionLicenseIndex,
    clmgmtLicensePermissionTicketFile,
    clmgmtLicenseRehostTicketFile,
    clmgmtLicenseBackupFile,
    clmgmtLicenseStopOnFailure,
    clmgmtLicenseAction,
    clmgmtLicenseActionState,
    clmgmtLicenseJobQPosition,
    clmgmtLicenseActionFailCause,
    clmgmtLicenseActionStorageType,
    clmgmtLicenseActionRowStatus,
    clmgmtLicenseIndivActionState,
    clmgmtLicenseIndivActionFailCause,
    clmgmtLicenseAcceptEULA,
    clmgmtLicenseEULAFile
  }
  STATUS current
  DESCRIPTION "A collection of objects for performing license deployment
  i.e., license installation, clear and revoke"
  ::= { ciscoLicenseMgmtGroups 1 }

clmgmtLicenseStoreInformationGroup OBJECT-GROUP
  OBJECTS {
    clmgmtLicenseStoreName,
    clmgmtLicenseStoreTotalSize,
    clmgmtLicenseStoreSizeRemaining
  }
  STATUS current
  DESCRIPTION "A collection of objects that provide information about
  license storages in the device."
  ::= { ciscoLicenseMgmtGroups 2 }

clmgmtLicenseDeviceInformationGroup OBJECT-GROUP
  OBJECTS { clmgmtDefaultLicenseStore }
  STATUS current
DESCRIPTION
"A collection of objects that provide information about device level licensing support information in the device."
 ::= { ciscoLicenseMgmtGroups 3 }

clmgmtLicenseInformationGroup OBJECT-GROUP
  OBJECTS
    { clmgmtLicenseFeatureName,
      clmgmtLicenseFeatureVersion,
      clmgmtLicenseType,
      clmgmtLicenseCounted,
      clmgmtLicenseValidityPeriod,
      clmgmtLicenseValidityPeriodRemaining,
      clmgmtLicenseExpiredPeriod,
      clmgmtLicenseMaxUsageCount,
      clmgmtLicenseUsageCountRemaining,
      clmgmtLicenseEULAStatus,
      clmgmtLicenseComments,
      clmgmtLicenseStatus
    }
  STATUS current

DESCRIPTION
"A collection of objects that provide information about licenses and its state."
 ::= { ciscoLicenseMgmtGroups 4 }

clmgmtLicensableFeatureInformationGroup OBJECT-GROUP
  OBJECTS
    { clmgmtFeatureName,
      clmgmtFeatureVersion,
      clmgmtFeatureValidityPeriodRemaining,
      clmgmtFeatureWhatIsCounted
    }
  STATUS current

DESCRIPTION
"A collection of objects that provide information about licensable features in the software image."
 ::= { ciscoLicenseMgmtGroups 5 }

clmgmtLicenseDevCredGroup OBJECT-GROUP
  OBJECTS
    { clmgmtNextFreeDevCredExportActionIndex,
      clmgmtDevCredEntPhysicalIndex,
      clmgmtDevCredTransferProtocol,
      clmgmtDevCredServerAddressType,
      clmgmtDevCredServerAddress,
      clmgmtDevCredServerUsername,
      clmgmtDevCredServerPassword,
clmgmtDevCredExportFile,
clmgmtDevCredCommand,
clmgmtDevCredCommandState,
clmgmtDevCredCommandFailCause,
clmgmtDevCredStorageType,
clmgmtDevCredRowStatus

}  
STATUS          current
DESCRIPTION
"A collection of objects for exporting device credentials from the device."
 ::= { ciscoLicenseMgmtGroups 6 }

clmgmtLicenseNotificationEnableGroup OBJECT-GROUP
OBJECTS         
{| clmgmtLicenseUsageNotifEnable,
  clmgmtLicenseDeploymentNotifEnable,
  clmgmtLicenseErrorNotifEnable
}
STATUS          current
DESCRIPTION
"A collection of objects for controlling (enabling/disabling) license notifications to a management application."
 ::= { ciscoLicenseMgmtGroups 7 }

clmgmtLicenseUsageNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS    
{| clmgmtLicenseExpired,
  clmgmtLicenseExpiryWarning,
  clmgmtLicenseUsageCountExceeded,
  clmgmtLicenseUsageCountAboutToExceed
}
STATUS          current
DESCRIPTION
"A collection of notifications related to license usage."
 ::= { ciscoLicenseMgmtGroups 8 }

clmgmtLicenseDeploymentNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS    
{| clmgmtLicenseInstalled,
  clmgmtLicenseCleared,
  clmgmtLicenseRevoked,
  clmgmtLicenseEULAAccepted
}
STATUS          current
DESCRIPTION
"A collection of notifications related to license deployment."
clmgmtLicenseErrorNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS { clmgmtLicenseNotEnforced }
STATUS current
DESCRIPTION
"A collection of notifications related to license errors."
 ::= { ciscoLicenseMgmtGroups 9 }

clmgmtLicenseSubscriptionGroup OBJECT-GROUP
OBJECTS { clmgmtLicenseStartDate, clmgmtLicenseEndDate, clmgmtFeatureStartDate, clmgmtFeatureEndDate }
STATUS current
DESCRIPTION
"A collection of objects that provide information specific to subscription licenses."
 ::= { ciscoLicenseMgmtGroups 10 }

clmgmtLicenseSubscriptionUsageNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS { clmgmtLicenseSubscriptionExpiryWarning, clmgmtLicenseSubscriptionExtExpiryWarning, clmgmtLicenseSubscriptionExpired }
STATUS current
DESCRIPTION
"A collection of notifications related to usage of subscription licenses."
 ::= { ciscoLicenseMgmtGroups 11 }

clmgmtLicenseRTUGroup OBJECT-GROUP
OBJECTS { clmgmtLicensePeriodUsed, clmgmtFeaturePeriodUsed }
STATUS current
DESCRIPTION
"A collection of objects that provide information specific to Right to use (RTU) licenses."
 ::= { ciscoLicenseMgmtGroups 12 }

clmgmtLicenseRTUUsageNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS { clmgmtLicenseEvalRTUTransitionWarning, }
clmgmtLicenseEvalRTUTransition

}  
STATUS current
DESCRIPTION
"A collection of notifications related to Right to use (RTU)
licenses."
::= { ciscoLicenseMgmtGroups 14 }

END

--%DNP%  MLC -Edit MLC

--%DNP%  MTF -TRUE MTF

-- *********************************************************************
-- CISCO-IMAGE-LICENSE-MGMT-MIB.my: Cisco MIB to manage image level on
-- Cisco devices.
--
-- August 2007, Ganesan Rajam
--
-- Copyright (c) 2006-2007 by Cisco Systems Inc.
-- All rights reserved.
--
-- *********************************************************************

CISCO-IMAGE-LICENSE-MGMT-MIB DEFINITIONS ::= BEGIN

IMPORTS
OBJECT-TYPE,
MODULE-IDENTITY,
Unsigned32,
NOTIFICATION-TYPE
FROM SNMPv2-SMI
MODULE-COMPLIANCE,
OBJECT-GROUP,
NOTIFICATION-GROUP
FROM SNMPv2-CONF
TEXTUAL-CONVENTION,
TruthValue
FROM SNMPv2-TC
SnmpAdminString
FROM SNMP-FRAMEWORK-MIB
entPhysicalIndex
FROM ENTITY-MIB
ciscoMgmt
FROM CISCO-SMI;
"The MIB module for managing the running image level of a Cisco device. Cisco's licensing mechanism provides flexibility to run a device on a chosen image level. This mechanism is referred to as image level licensing. Image level licensing leverages the universal image based licensing solution.

The image level licensing mechanism works as follows -

A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems. The user can configure the image level with which the device has to boot. The system will verify whether the appropriate license is available for the configured image level. The image level for the next boot will be determined based on the availability of the license. The following scenarios explains some use-cases of image level licensing:

Scenario 1:
- Customer selects advsecurityk9 based image.
- Manufacturing installs advsecurity license on the device.
- This device will run all features that are part of the base advsecurity license.
- Customer upgrades to advipservicesk9 license.
- The next boot level is set to advipservicesk9.
- The device will run advsecurityk9 feature until the next reboot. After reboot the device will run advipservicesk9 features.

Scenario 2:
- Customer selects advipservicesk9 based image.
- Manufacturing installs advipservices and advsecurity license on the device.
- This device will run all features that are part of the
base advipservices license.
- No upgrades available for advipservices license.

The user has to accept the End User License Agreement (EULA) before using this MIB to configure the image level.

This MIB should be used in conjunction with CISCO-LICENSE-MGMT-MIB module to achieve the image level licensing functionality.

This MIB module defines objects which provide the different image levels supported by the device and the license required to enable a particular image level. It also defines objects to let the user configure the required image level. The MIB module contains notification which will be triggered when the user changes the image level for next boot.

The CISCO-LICENSE-MGMT-MIB module should be used to export the EULA and to configure the required license.

This MIB module is defined generically so it can be used for both stand-alone as well as stackable devices. The entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely.

REVISION "200710160000Z"
DESCRIPTION
"Initial version of this MIB module."
::= { ciscoMgmt 640 }

ciscoImageLicenseMgmtMIBNotifs OBJECT IDENTIFIER
 ::= { ciscoImageLicenseMgmtMIB 0 }

ciscoImageLicenseMgmtMIBObjects OBJECT IDENTIFIER
 ::= { ciscoImageLicenseMgmtMIB 1 }

ciscoImageLicenseMgmtMIBConform OBJECT IDENTIFIER
 ::= { ciscoImageLicenseMgmtMIB 2 }

BootImageLevel ::= TEXTUAL-CONVENTION
STATUS current
DESCRIPTION
"This textual convention is used to define the image level.

If the device is running at advipservices image level, then the boot image level will
be `advipservices`.

```syntax
LicenseNameList ::= TEXTUAL-CONVENTION
```  

**STATUS** current

**DESCRIPTION**

"This textual convention is used to define the list of license names. If multiple licenses are present then this string will contain all the licenses separated by the ',' character.

If the license required to run a device at advipservices image level is advipservices and advsecurity, then the license name list will be `advipservices,advsecurity`.

```syntax
-- Table for executing license management actions.
```  

cilmBootImageLevelTable OBJECT-TYPE

**SYNTAX** SEQUENCE OF CilmBootImageLevelEntry

**MAX-ACCESS** not-accessible

**STATUS** current

**DESCRIPTION**

"A table that contains the configuration information of current and next boot image level. This table contains entries for each software module running in an image loaded in the device. The software module is identified by cilmModuleName and the device is identified by entPhysicalIndex."

::= { ciscoImageLicenseMgmtMIBObjects 1 }

cilmBootImageLevelEntry OBJECT-TYPE

**SYNTAX** CilmBootImageLevelEntry

**MAX-ACCESS** not-accessible

**STATUS** current

**DESCRIPTION**

"An entry in the table for each module containing the list of objects that define the configuration of next boot level. The following information is specified by the objects present in the table.

- Current image level.
- Configured image level for the next boot.
- Actual image level for the next boot.
- License store index for the current license.
- License index of the current license.
- License store index for the next boot license.
- License index of the next boot license."
INDEX   ::= { cilmBootImageLevelTable 1 }

CilmBootImageLevelEntry ::= SEQUENCE {
  cilmModuleName                SnmpAdminString,
  cilmCurrentImageLevel         BootImageLevel,
  cilmConfiguredBootImageLevel  BootImageLevel,
  cilmNextBootImageLevel        BootImageLevel,
  cilmCurrentLicenseStoreIndex  Unsigned32,
  cilmCurrentLicenseIndex       Unsigned32,
  cilmNextBootLicenseStoreIndex Unsigned32,
  cilmNextBootLicenseIndex      Unsigned32
}

cilmModuleName OBJECT-TYPE
SYNTAX          SnmpAdminString
MAX-ACCESS      not-accessible
STATUS          current
DESCRIPTION
 "This object is used as one of the two indices in
cilmBootImageLevelTable. This object indicates the module
name of the software package. There can be multiple
modules in an image performing specific functionality.
For example, in a wireless image there can be two modules
- a base image module and a wireless module."
::= { cilmBootImageLevelEntry 1 }

cilmCurrentImageLevel OBJECT-TYPE
SYNTAX          BootImageLevel
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
 "This object indicates the current image level that
the module is running."
::= { cilmBootImageLevelEntry 2 }

cilmConfiguredBootImageLevel OBJECT-TYPE
SYNTAX          BootImageLevel
MAX-ACCESS      read-write
STATUS          current
DESCRIPTION
 "This object indicates the configured image level
of the module for the next boot.

Note: The configured next boot image level may not
be the actual next boot image level. The actual next boot image level is denoted by cilmNextBootImageLevel which is determined based on the license availability."

::= { cilmBootImageLevelEntry 3 }

cilmNextBootImageLevel OBJECT-TYPE
SYNTAX          BootImageLevel
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object indicates the next boot image level. The next boot image level can be different from configured level. The next boot image level is determined based on the availability of required license."
::= { cilmBootImageLevelEntry 4 }

cilmCurrentLicenseStoreIndex OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object indicates the license store index where the currently used license is stored. This object has the same value as clmgmtLicenseStoreIndex object and uniquely identifies an entry in clmgmtLicenseStoreInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license store index can be '0' if no license is installed and device is running base image."
::= { cilmBootImageLevelEntry 5 }

cilmCurrentLicenseIndex OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object indicates the license index of the currently used license. This object has the same value as clmgmtLicenseIndex and uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license index can be '0' if no license is installed and device is running base image."
::= { cilmBootImageLevelEntry 6 }

cilmNextBootLicenseStoreIndex OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS current

DESCRIPTION
"This object indicates the license store index where the next boot license is stored. This object has the same value as clmgmtLicenseStoreIndex object and uniquely identifies an entry in clmgmtLicenseStoreInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license store index can be '0' if no license is installed for the next boot.”
::= { cilmBootImageLevelEntry 7 }

cilmNextBootLicenseIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current

DESCRIPTION
"This object indicates the license index of the next boot license. This object has the same value as clmgmtLicenseIndex and uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license index can be '0' if no license is installed for the next boot.”
::= { cilmBootImageLevelEntry 8 }

cilmImageLevelToLicenseMapTable OBJECT-TYPE
SYNTAX SEQUENCE OF CilmImageLevelToLicenseMapEntry
MAX-ACCESS not-accessible
STATUS current

DESCRIPTION
"This table contains the mapping between different image levels of each modules in the image and the license required to run the modules at a particular image level. This table can be used to identify the different image levels and the appropriate licenses required for each.”
::= { ciscoImageLicenseMgmtMIBObjects 2 }

cilmImageLevelToLicenseMapEntry OBJECT-TYPE
SYNTAX CilmImageLevelToLicenseMapEntry
MAX-ACCESS not-accessible
STATUS current

DESCRIPTION
"An entry in the table containing the following information.
- The image levels at which the modules can be run.
- The license required to run a module at a particular image level.
- The priority of the license.

INDEX

\[
\{ \text{entPhysicalIndex,} \\
\text{cilmModuleName,} \\
\text{cilmImageLicenseMapIndex} \\
\} \\
::= \{ \text{cilmImageLevelToLicenseMapTable 1} \}
\]

CilmImageLevelToLicenseMapEntry ::= SEQUENCE {
  cilmImageLicenseMapIndex   Unsigned32,
  cilmImageLicenseImageLevel BootImageLevel,
  cilmImageLicenseName       LicenseNameList,
  cilmImageLicensePriority   Unsigned32
}

\text{cilmImageLicenseMapIndex OBJECT-TYPE}
\text{SYNTAX} \quad \text{Unsigned32}
\text{MAX-ACCESS} \quad \text{not-accessible}
\text{STATUS} \quad \text{current}
\text{DESCRIPTION}
  "This is a running index used to identify an entry of this table."
::= \{ \text{cilmImageLevelToLicenseMapEntry 1} \}

\text{cilmImageLicenseImageLevel OBJECT-TYPE}
\text{SYNTAX} \quad \text{BootImageLevel}
\text{MAX-ACCESS} \quad \text{read-only}
\text{STATUS} \quad \text{current}
\text{DESCRIPTION}
  "This object indicates the image level at which a module can be run. A module can be run at different image levels. An entry will be created in this table for every module and image level combination."
::= \{ \text{cilmImageLevelToLicenseMapEntry 2} \}

\text{cilmImageLicenseName OBJECT-TYPE}
\text{SYNTAX} \quad \text{LicenseNameList}
\text{MAX-ACCESS} \quad \text{read-only}
\text{STATUS} \quad \text{current}
\text{DESCRIPTION}
  "This object indicates the list of licenses needed to be installed for the module to run at the image level mentioned by cilmImageLicenseImageLevel object of this entry."
::= { cilmImageLevelToLicenseMapEntry 3 }

cilmImageLicensePriority OBJECT-TYPE
SYNTAX Unsigned32 (1..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the priority of the image level mentioned by cilmImageLicenseImageLevel object of this entry. The image level with the highest priority license will be considered as the default level in the absence of next boot image level configuration. For example if there are three licenses l1, l2 and l3 in the ascending order of priority, then by default l1 will be the level at which the module will be running. If the next boot level is configured then the configuration will override the priority. The highest priority license supports a feature set which is a super set of all other licenses."
::= { cilmImageLevelToLicenseMapEntry 4 }

-- Global Objects

cilmEULAAccepted OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This object when set to TRUE means that the user has accepted the END USER LICENSE AGREEMENT. This object has to be set to TRUE by the user before using the objects in the cilmBootImageLevelTable to configure the license."
DEFVAL { false }
::= { ciscoImageLicenseMgmtMIBObjects 3 }

-- Notification control

cilmNotifCntl OBJECT IDENTIFIER
::= { ciscoImageLicenseMgmtMIBObjects 4 }

cilmImageLevelChangedNotif OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"Specify whether or not a notification should be
generated on the detection of change in next boot image level.

If set to TRUE, cilmBootImageLevelChanged notification will be generated. It is the responsibility of the management entity to ensure that the SNMP administrative model is configured in such a way as to allow the notification to be delivered.”

REFERENCE

“See also RFC3413 for explanation that notifications are under the ultimate control of the MIB module in this document.”

DEFVAL { false }
::= { cilmNotifCntl 1 }

-- Notifications

cilmBootImageLevelChanged NOTIFICATION-TYPE
OBJECTS
{ cilmCurrentImageLevel,
cilmConfiguredBootImageLevel
}
STATUS current
DESCRIPTION
“This notification is triggered when next boot image level is changed in the management entity. The current and configured image level are indicated by cilmCurrentImageLevel and cilmConfiguredBootImageLevel objects respectively.”
::= { ciscoImageLicenseMgmtMIBNotifs 1 }

-- Conformance

cilmModuleCompliances OBJECT IDENTIFIER
 ::= { ciscoImageLicenseMgmtMIBConform 1 }

cilmModuleGroups OBJECT IDENTIFIER
 ::= { ciscoImageLicenseMgmtMIBConform 2 }

cilmModuleCompliance MODULE-COMPLIANCE
STATUS current
DESCRIPTION
“Compliance statement for Cisco Image level license mgmt MIB.”
MODULE -- this module
MANDATORY-GROUPS { cilmAdminGroup,
cilmNotifGroup
}
GROUP    cilmOperGroup
DESCRIPTION
  "This group is mandatory for all devices where multiple license are supported."
 ::= { cilmModuleCompliances 1 }

-- Units of Conformance

cilmAdminGroup OBJECT-GROUP
OBJECTS  
  {  
    cilmCurrentImageLevel,
    cilmConfiguredBootImageLevel,
    cilmNextBootImageLevel,
    cilmCurrentLicenseStoreIndex,
    cilmCurrentLicenseIndex,
    cilmNextBootLicenseStoreIndex,
    cilmNextBootLicenseIndex,
    cilmEULAAccepted,
    cilmImageLevelChangedNotif
  }
STATUS    current
DESCRIPTION
  "Objects for performing license set operation for setting next boot level."
 ::= { cilmModuleGroups 1 }

cilmOperGroup OBJECT-GROUP
OBJECTS  
  {  
    cilmImageLicenseImageLevel,
    cilmImageLicenseName,
    cilmImageLicensePriority
  }
STATUS    current
DESCRIPTION
  "Objects for getting current image level configuration data."
 ::= { cilmModuleGroups 2 }

cilmNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS   { cilmBootImageLevelChanged }
STATUS    current
DESCRIPTION
  "Objects for getting current image level configuration data."
 ::= { cilmModuleGroups 3 }

END
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Aaron Bieber <deftly@gmail.com>
Aaron Cannon <cannona@fireantproductions.com>
Aaron France <aaron.l.france@gmail.com>
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Ahsun Ahmed <ahmed.ahsun@gmail.com>
Aidan Coyle <packrat386@gmail.com>
Aiden Scandella <ai@uber.com>
Ainar Garipov <gugl.zadolbal@gmail.com>
Aishraj Dahal <aishraj@users.noreply.github.com>
Ajanthan Balachandran <balaajanthan@gmail.com>
Akhil Indurti <aindurti@gmail.com>
Akihiro Suda <suda.kyoto@gmail.com>
Akshat Kumar <seed@mail.nanosouffle.net>
Al Cutter <al@google.com>
Alan Braithwaite <alan@ipaddr.org>
Alan Donovan <adonovan@google.com>
Alan Shrewe <alan@inconshreveable.com>
Albert Nigmatzianov <albertnigma@gmail.com>
Albert Strasheim <fullung@gmail.com>
Albert Teoh <albert.teoh@gmail.com>
Albert Yu <yukinying@gmail.com>
Alberto Bertoli <albertito@blitiri.com.ar>
Alberto Donizetti <alb.donizetti@gmail.com>
Alberto Garca Hierro <alberto@garciahierro.com> <alberto.garcia.hierro@gmail.com>
Alec Benzer <alec.benzer@gmail.com>
Aleksa Sarai <cyphar@cyphar.com>
Aleksandar Dezelin <dezelin@gmail.com>
Aleksandr Lukinykh <a.lukinykh@xsolla.com>
Aleksandr Razumov <ar@cydev.ru>
Aleksseev Artem <a.artem060@gmail.com>
Alessandro Arzilli <alessandro.arzilli@gmail.com>
Alessandro Baffa <alessandro.baffa@gmail.com>
Alex A Skinner <alex@lx.lc>
Alex Brainman <alex.brainman@gmail.com>
Alex Bramley <abramley@google.com>
Alex Browne <stephenalexbrowne@gmail.com>
Alex Buchanan <buchanae@gmail.com>
Alex Carol <alex.carol.c@gmail.com>
Alex Gaynor <alex@alloy.us>
Alex Harford <alex.harford@saucelabs.com>
Alex Hays <alex.hays@leftfieldlabs.com>
Alex Jin <toalexjin@gmail.com>
Alex Kohler <alexfjohnkohler@gmail.com>
Andrew G. Morgan <agm@google.com>
Andrew Gerrand <adg@golang.org>
Andrew Harding <andrew@spacemonkey.com>
Andrew Jackura <ajackura@gmail.com>
Andrew Kemm <andrewkemm@gmail.com>
Andrew Louis <alouis@digitalocean.com>
Andrew Lutomirski <andy@luto.us>
Andrew Medvedev <andrew.medvedev@gmail.com>
Andrew Pilloud <andrewpilloud@igneoussystems.com>
Andrew Pogrebnov <absourd.noise@gmail.com>
Andrew Poydence <apoydence@pivotal.io>
Andrew Pritchard <awpritchard@gmail.com>
Andrew Radev <andrey.radev@gmail.com>
Andrew Skiba <skibaa@gmail.com>
Andrew Stormont <astormont@racktopsystems.com>
Andrew Stribblehill <ads@wompom.org>
Andrew Szeto <andrew@jabagwee.com>
Andrew Todd <andrew.todd@wework.com>
Andrew Werner <andrew@upthere.com> <awerner32@gmail.com>
Andrew Wilkins <axwalk@gmail.com>
Andrew Williams <williams.andrew@gmail.com>
Andrew Z Allen <me@andrewzallen.com>
Andrey Bokhanko <andreybokhanko@gmail.com>
Andrey Mirtchovski <mirtchovski@gmail.com>
Andrey Petrov <andrey.petrov@shazow.net>
Andrii Soldatenko <andrii.soldatenko@gmail.com>
Andrii Soluk <isoluchok@gmail.com>
Andriy Lytvynov <lytvynov.a.v@gmail.com>
Andrzej eel <andrii.zhezhel@gmail.com>
Andy Balholm <andy@balholm.com>
Andy Davis <andy@bigandian.com>
Andy Finkenstadt <afinkenstadt@zynga.com>
Andy Lindeman <andy@lindeman.io>
Andy Maloney <asmaloney@gmail.com>
Andy Pan <panj2000@gmail.com>
Andy Walker <walkeraj@gmail.com>
Andy Wang <cbeuw.andy@gmail.com>
Andy Williams <andy@andy.xyz>
Andzej Maciusovic <andzej.maciosvic@gmail.com>
Anfernee Yongkun Gui <anfernee.gui@gmail.com>
Angelo Bulfone <mbulfone@gmail.com>
Anh Hai Trinh <anh.hai.trinh@gmail.com>
Anit Gandhi <anitgandhi@gmail.com>
Ankit Goyal <ankit3goyal@gmail.com>
Anmol Sethi <anmol@aubble.com>
Annirudh Prasad <annirudh@wandb.com>
Anschel Schaffer-Cohen <anschelsc@gmail.com>
Anthony Alves <evballa3g0@gmail.com>
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 4860

George Shammas <george@shamm.as> <georgyo@gmail.com>
George Tsilias <tsiliasg@gmail.com>
Gerasimos (Makis) Maropoulos <kataras2006@hotmail.com>
Gerasimos Dimitriadis <gedimitr@gmail.com>
Gergely Brautigam <karlso777@gmail.com>
Gernot Vormayr <gvormayr@gmail.com>
Gert Cuykens <gert.cuykens@gmail.com>
Getulio Sánchez <valentin2507@gmail.com>
Ghazni Nattarshah <ghazni.nattarshah@gmail.com>
Gianguido Sora` <g.sora4@gmail.com>
Gideon Jan-Wessel Redelinghuys <gjredelinghuys@gmail.com>
Giles Lean <giles.lean@pobox.com>
Giovanni Bajo <rasky@develer.com>
GitHub User @aca (50316549) <acadx0@gmail.com>
GitHub User @ajnirp (1688456) <ajnirp@users.noreply.github.com>
GitHub User @ajz01 (4744634) <ajzdenek@gmail.com>
GitHub User @alkesh26 (1019076) <alkesh26@gmail.com>
GitHub User @andig (184815) <cpuidle@gmx.de>
GitHub User @andrius4669 (4699695) <andrius4669@gmail.com>
GitHub User @as (8127015) <as.utf8@gmail.com>
GitHub User @bakape (7851952) <bakape@gmail.com>
GitHub User @bagadrian (830001) <aditza8@gmail.com>
GitHub User @bontequero (2674999) <bontequero@gmail.com>
GitHub User @cch123 (384546) <buua.cch@gmail.com>
GitHub User @chainhelen (7046329) <chainhelen@gmail.com>
GitHub User @chenxuehong (3416908) <chenxuehong@gmail.com>
GitHub User @cncai (23520240) <flycalvin@qq.com>
GitHub User @DQNEO (188741) dqneoo@gmail.com>
GitHub User @Dreamacro (8615343) <chuainian@gmail.com>
GitHub User @dupoxy (1143957) <dupoxy@users.noreply.github.com>
GitHub User @erifan (31343225) <eric.fang@arm.com>
GitHub User @esell (9735165) <eujon.sellers@gmail.com>
GitHub User @fatedier (7346661) <fatedier@gmail.com>
GitHub User @freennkie (6499251) <mail@rhab.de>
GitHub User @geedchin (11672310) <geedchin@gmail.com>
GitHub User @GrigoriyMikhalkin (3637857) <grigoriymikhalkin@gmail.com>
GitHub User @hengwu0 (41297446) <41297446+hengwu0@users.noreply.github.com>
GitHub User @hitzhangjie (3725760) <hit.zhangjie@gmail.com>
GitHub User @itchyny (375258) <itchyny@hatena.ne.jp>
GitHub User @jimiaoluoluo (39730824) <jimiaoluoluo@icloud.com>
GitHub User @jopbrown (6345470) <ssmshane2008@gmail.com>
GitHub User @kazyshr (30496953) <kazyshr0301@gmail.com>
GitHub User @kc1212 (1093806) <kc1212@users.noreply.github.com>
GitHub User @Kropek (13366453) <kamilkropiewnicki@gmail.com>
GitHub User @linguohua (3434367) <lghchinaidea@gmail.com>
GitHub User @LotusFenn (13775899) <fenn.lotus@gmail.com>
GitHub User @ly303550688 (11519839) <yang.liuf36@gmail.com>
GitHub User @madiganz (18340029) <zacharywmadigan@gmail.com>
GitHub User @maltalex (10195391) <code@bit48.net>
GitHub User @markruler (38225900) <csu0414@gmail.com>
GitHub User @Matts966 (28551465) <Matts966@users.noreply.github.com>
GitHub User @micnncim (21333876) <micnncim@gmail.com>
GitHub User @mkishere (224617) <224617+mkishere@users.noreply.github.com>
GitHub User @nu50218 (40682920) <nu_ll@icloud.com>
GitHub User @OlgaVlPetrova (44112727) <OVPpetrova@gmail.com>
GitHub User @pityonline (438222) <pityonline@gmail.com>
GitHub User @po3rin (29445112) <abctail30@gmail.com>
GitHub User @pokutuna (57545) <popopopopokutuna@gmail.com>
GitHub User @pytimer (17105586) <elixin20101023@gmail.com>
GitHub User @ramenjuniti (32011829) <ramenjuniti@gmail.com>
GitHub User @saitarunreddy (21041941) <saitarunreddypalla@gmail.com>
GitHub User @shogo-ma (9860598) <Choroma194@gmail.com>
GitHub User @skanehira (7888591) <sho19921005@gmail.com>
GitHub User @soolaugust (10558124) <soolaugust@gmail.com>
GitHub User @surechen (7249331) <surechen17@gmail.com>
GitHub User @tatsuack (4510569) <tatsu.mack@gmail.com>
GitHub User @tell-k (26263) <ffk2005@gmail.com>
GitHub User @tennashio (10219626) <tennashio@gmail.com>
GitHub User @uhei (2116845) <uhei@users.noreply.github.com>
GitHub User @uropek (39370426) <uropek@gmail.com>
GitHub User @utkarsh-extc (53217283) <utkarsh.extc@gmail.com>
GitHub User @witchard (4994659) <witchard@hotmail.co.uk>
GitHub User @yaho1 (12216890) <kagaminehuan@gmail.com>
GitHub User @yuanhh (1298735) <yuan415030@gmail.com>
GitHub User @zikaeroh (48577114) <zikaeroh@gmail.com>
GitHub User @ZZMarquis (7624583) <zhonglingjian3821@163.com>
Giulio Iotti <dullgiulio@gmail.com>
Giulio Micheloni <giulio.micheloni@gmail.com>
Giuseppe Valente <gvalente@arista.com>
Gleb Stepanov <glebstepanov992@gmail.com>
Glenn Brown <glenb@google.com>
Glenn Lewis <gmlew@google.com>
Gordon Klaus <gordon.klaus@gmail.com>
Gordon Tyler <gordon@doxxx.net>
Graham King <graham4king@gmail.com>
Graham Miller <graham.miller@gmail.com>
Grant Griffiths <gpp493@gmail.com>
Green Lightning <GreenLightning.git@googlemail.com>
Greg Poirier <greg.istehbest@gmail.com>
Greg Steuck <gnezdoo+github@gmail.com>
Greg Thelen <gthelen@gmail.com>
Greg Ward <greg@gerg.ca>
Gregoire Delattre <gregoire.delattre@gmail.com>
Gregory Man <man.gregory@gmail.com>
Gregory Petrosyan <gregory.petrosyan@gmail.com>
Guilherme Caruso <gui.martinscaruso@gmail.com>
Herbie Ong <herbie@google.com>
Heschi Kreinick <heschi@google.com>
Hidetatsu Yaginuma <ygnmhdtt@gmail.com>
Hilko Bengen <bengen@hilluzination.de>
Hiroaki Nakamura <hnakamur@gmail.com>
Hiromichi Ema <ema.hiro@gmail.com>
Hironao OTSUBO <motemen@gmail.com>
Hiroshi Ioka <hirochachacha@gmail.com>
Hitoshi Mitake <mitake.hitoshi@gmail.com>
Holden Huang <ttyh061@gmail.com>
Songlin Jiang <hollowman@hollowman.ml>
Hong Ruiqi <hongruiqi@gmail.com>
Hongfei Tan <feilengcui008@gmail.com>
Horacio Duran <horacio.duran@gmail.com>
Horst Rutter <hrrutter@gmail.com>
Hossein Sheikh Attar <hattar@google.com>
Howard Zhang <howard.zhang@arm.com>
Hsin Tsao <tsao@google.com>
Hsin-Ho Yeh <yhh92u@gmail.com>
Hu Keping <hukeping@huawei.com>
Huan Du <i@huandu.me>
Hugues Bruant <hugues.bruant@gmail.com>
Huy Le <shuy.dinh.le.89@gmail.com>
Hyang-Ah Hana Kim <hakim@google.com> <hyangah@gmail.com>
Hyoyoung Chang <hyoyoung@gmail.com>
Ian Cottrell <iancottrell@gmail.com>
Ian Davis <nospam@ianudavis.com>
Ian Gudger <ian@loosescr.ws>
Ian Haken <ihaken@netflix.com>
Ian Kent <iankent85@gmail.com>
Ian Lance Taylor <iant@golang.org>
Ian Leue <ian@appboy.com>
Ian Tay <iantay@gmail.com>
Ian Zapolsky <ianzapolsky@gmail.com>
Ibrahim AshShohail <ibra.sho@gmail.com>
Icarus Sparry <golang@icarus.freeuk.com>
Iccha Sethi <icchasethi@gmail.com>
Idora Shinatose <idora.shinatose@gmail.com>
Ignacio Hagopian <jsign.uy@gmail.com>
Igor Bernstein <igorbernstein@gmail.com>
Igor Bolotnikov <igor.v.bolotnikov@gmail.com>
Igor Dolzhikov <bluesriverz@gmail.com>
Igor Vashyst <ivashyst@gmail.com>
Igor Zhilianin <igor.zhilianin@gmail.com>
Ikko Ashinine <eltociar@gmail.com>
Illya Yalovyy <yalovoy@gmail.com>
Ilya Sinelnikov <sidhmangh@gmail.com>
Ilya Tocar <ilya.tocar@intel.com>
INADA Naoki <songofacandy@gmail.com>
Inanc Gumus <m@inanc.io>
Ingo Gottwald <in.gottwald@gmail.com>
Ingo Krabbe <ikrabbe.ask@gmail.com>
Ingo Oeser <nightlyone@googlemail.com> <nightlyone@gmail.com>
Ioannis Georgoulas <geototti21@hotmail.com>
Irbe Krumina <irbekrm@gmail.com>
Irfan Sharif <irfanmahmoudsharif@gmail.com>
Irieda Noboru <irieda@gmail.com>
Isaac Ardis <isaac.ardis@gmail.com>
Isaac Wagner <ibw@isaacwagner.me>
Isfan Azhabil <isfanazhabil@gmail.com>
Iskander Sharipov <iskander.sharipov@intel.com> <quasilyte@gmail.com>
Issac Trots <issactrots@google.com>
Ivan Babrou <ivan@cloudflare.com>
Ivan Bertona <ivan.bertona@gmail.com>
Ivan Krasin <krasin@golang.org>
Ivan Kutuzov <arbrix@gmail.com>
Ivan Markin <sw@nogoest.net>
Ivan Moscoso <moscoso@gmail.com>
Ivan Osadchiy <ivan.osadchii@gmail.com>
Ivan Sharavuev <shpiwan@gmail.com>
Ivan Trubach <mr.trubach@icloud.com>
Ivan Ukhov <ivan.ukhov@gmail.com>
Ivy Evans <ivy@ivyevans.net>
Jaana Burcu Dogan <jbd@google.com> <jbd@golang.org> <burcujdogan@gmail.com>
Jaap Aarts <jaap.aarts1@gmail.com>
Jack Britton <jackxbritton@gmail.com>
Jack Lindamood <jllindamo@justin.tv>
Jacob Baskin <jbaskin@gmail.com>
Jacob Blain Christen <dweomer5@gmail.com>
Jacob H. Haven <jacob@cloudflare.com>
Jacob Hoffman-Andrews <github@hoffman-andrews.com>
Jacob Walker <jacobwalker0814@gmail.com>
Jaden Teng <jlong.asyn@gmail.com>
Jae Kwon <jae@tendermint.com>
Jake B <doogie1012@gmail.com>
Jakob Borg <jakob@nym.se>
Jakob Weisblat <jakobw@mit.edu>
Jakub ajka <jcajka@redhat.com>
Jakub Kaczmarzyk <jakubk@mit.edu>
Jakub Ryszard Czarnowicz <j.czarnowicz@gmail.com>
Jakub Warczarek <jakub.warczarek@gmail.com>
Jamal Carvalho <jamal.a.carvalho@gmail.com>
James Aguilar <jaguilar@google.com>
James Bardin <j.bardin@gmail.com>
James Chacon <jchacon@gmail.com>
James Clarke <jrtc27@jrtc27.com>
Ken Rockot <ken@oz.gs> <ken.rockot@gmail.com>
Ken Sedgwick <ken@bonsai.com>
Ken Thompson <ken@golang.org>
Kenichi Tsunokawa <kenichi.tsunokawa@gmail.com>
Kenji Kaneda <kenji.kaneda@gmail.com>
Kenji Yano <kenji.yano@gmail.com>
Kenneth Shaw <kenshaw@gmail.com>
Kenny Grant <kennygrant@gmail.com>
Kensei Nakada <handbomusic@gmail.com>
Kenta Mori <zoncoen@gmail.com>
Kerollos Magdy <kerolloz@yahoo.com>
Ketan Parmar <ketanbparmar@gmail.com>
Kevan Swanberg <kevswanberg@gmail.com>
Kevin Ballard <kevin@sb.org>
Kevin Burke <kev@inburke.com>
Kvin Dunglas <dunglas@gmail.com>
Kevin Gillette <extemporalgenome@gmail.com>
Kevin Kirsche <kev.kirsche@gmail.com>
Kevin Kluess <klueska@gmail.com> <klueska@google.com>
Kevin Malachowski <chowski@google.com>
Kevin Parsons <kevpar@microsoft.com>
Kevin Ruffin <kruffin@gmail.com>
Kevin Vu <kevin.m.vu@gmail.com>
Kevin Zita <bleedgreenandgold@gmail.com>
Keyan Pishdadian <kpishdadian@gmail.com>
Keyuan Li <keyuaniel23@gmail.com>
Kezhu Wang <kezhuw@gmail.com>
Khosrow Moossavi <khos2ow@gmail.com>
Kieran Colford <kieran@kcolford.com>
Kim Shrier <kshtier@racktopsystems.com>
Kim Yongbin <kybinz@gmail.com>
Kir Kolyshkin <kolyshkin@gmail.com>
Kirill Korotaev <kirillx@gmail.com>
Kirill Motkov <Motkov.Kirill@gmail.com>
Kirill Smelkov <krr@nexedi.com>
Kirill Tatchihin <kirabsuir@gmail.com>
Kirk Han <kirk91.han@gmail.com>
Kirklin McDonald <kirklin.mcdonald@gmail.com>
KJ Tsanaktsidis <ktsanaktsidis@zendesk.com>
Klaus Post <klauspost@gmail.com>
Kodie Goodwin <kodiegoodwin@gmail.com>
Koichi Shiraishi <zchee.io@gmail.com>
Koki Ide <niconegoto@yahoo.co.jp>
Koki Tomoshige <tomocy.dev@gmail.com>
Komu Wairagu <komuw05@gmail.com>
Konstantin <konstantin8105@gmail.com>
Konstantin Shaposhnikov <k.shaposhnikov@gmail.com>
Koya IWAMURA <kiwamura0314@gmail.com>
Lily Chung <lilithkchung@gmail.com>
Lingchao Xin <douglarek@gmail.com>
Lion Yang <lion@aosc.xyz>
Liz Rice <liz@lizrice.com>
Lloyd Dewolf <foolswisdom@gmail.com>
Lorenz Bauer <lmb@cloudflare.com>
Lorenz Brun <lorenz@brun.one>
Lorenz Nickel <mail@lorenznickel.de>
Lorenzo Masini <ruccinoso@develer.com>
Lorenzo Stoakes <lstoakes@gmail.com>
Louis Kruger <louisk@google.com>
Luan Santos <cfcluan@gmail.com>
Lubomir I. Ivanov <neolit123@gmail.com>
Luca Bruno <luca.bruno@coreos.com>
Luca Greco <luca.greco@alcacoop.it>
Luca Spiller <luca@stackednotion.com>
Lucas Breggartner <lucas.breggartner@gmail.com>
Lucas Clemente <lclemente@gmail.com>
Lucien Stuker <lucien.stuker@gmail.com>
Lucio De Re <lucio.dere@gmail.com>
Ludi Rehak <ludi317@gmail.com>
Luigi Riepfo <luigi.riepfo@gmail.com>
Luit van Drongelen <luitvd@gmail.com>
Luka Zakrajeck <tr00.g33k@gmail.com>
Luka Zitnik <luka.zitnik@gmail.com>
Lukasz Milewski <lmmilewski@gmail.com>
Luke Champine <luke.champine@gmail.com>
Luke Curley <quingu@gmail.com>
Luke Granger-Brown <git@lukegb.com>
Luke Young <bored-engineer@users.noreply.github.com>
Luna Duclos <luna.duclos@palmstonegames.com>
Luuk van Dijk <lvd@golang.org> <lvd@google.com>
Lyle Franklin <lylef franklin@gmail.com>
Lynn Boger <laboger@linux.vnet.ibm.com>
Ma Peiqi <mapeiqi2017@gmail.com>
Maarten Bezemer <maarten.bezemer@gmail.com>
Maciej Dbski <maciejd@gmail.com>
Madhu Rajanna <madhapus007@gmail.com>
Magnus Hiie <magnus.hiie@gmail.com>
Mahdi Hosseini Moghaddam <seyed.mahdi.hosseini.moghaddam@ibm.com>
Maia Lee <maia.lee@leftfieldlabs.com>
Maicon Costa <maiconcosta@gmail.com>
Mak Kolybabi <mak@kolybabi.com>
Maksym Trykur <maksym.trzykur@gmail.com>
Mal Curtis <mal@mal.co.nz>
Manfred Touron <m@42.am>
Manigandan Dharmalingam <manigandan.jeff@gmail.com>
Manish Goregaokar <manishmail@gmail.com>
Rob Pike <r@golang.org>
Robert Ayrapetyan <robert.ayrapetyan@gmail.com>
Robert Daniel Kortschak <dan.kortschak@adelaide.edu.au> <dan@kortschak.io>
Robert Dinu <r@varp.se>
Robert Figueiredo <robfug@gmail.com>
Robert Griesemer <gri@golang.org>
Robert Hencke <robert.hencke@gmail.com>
Robert Iannucci <iannucci@google.com>
Robert Kuska <kuska@gmail.com>
Robert Obryk <robryk@gmail.com>
Robert Sesek <rsesek@gmail.com>
Robert Snedegar <roberts@google.com>
Robert Stepanek <robert.stepanek@gmail.com>
Robert van Gent <rvangent@gmail.com>
Robert-Andr Mauchin <zebob.m@gmail.com>
Roberto Clapis <robclap8@gmail.com>
Roberto Selbach <roberto@selbach.ca>
Robin Eklind <r.eklind.87@gmail.com>
Robin Zhong <robin@robinzhong.co>
Rodolfo Carvalho <rhcarvalho@gmail.com>
Rodolfo Rodriguez <rodolfobgibson@gmail.com>
Rodrigo Moraes de Oliveira <rodrigo.moraes@gmail.com>
Rodrigo Rafael Monti Kochenburger <divoxx@gmail.com>
Roger Pau Monn <royger@gmail.com>
Roger Peppe <rogpeppe@gmail.com>
Rohan Challa <rohan@golang.org>
Rohan Verma <rohanverma2004@gmail.com>
Rohith Ravi <entombedvirus@gmail.com>
Roland Illig <roland.illig@gmx.de>
Roland Shoemaker <rolandshoemaker@gmail.com>
Romain Baugue <romain.baugue@elwinar.com>
Roman Budnikov <romanyx90@yandex.ru>
Roman Kollr <roman.kollar.0@gmail.com>
Roman Shchekin <mrqtros@gmail.com>
Ron Hashimoto <mail@h2so5.net>
Ron Minnich <rminnich@gmail.com>
Ronnie Ebrin <ebrin.ronnie@protonmail.com>
Ross Chater <rdchater@gmail.com>
Ross Kinsey <rosskinsey@gmail.com>
Ross Light <light@google.com> <rlight2@gmail.com>
Ross Smith II <ross@smithii.com>
Rowan Marshall <rowanajmarshall@gmail.com>
Rowan Worth <sqweek@gmail.com>
Rudi Kramer <rudi.kramer@gmail.com>
Rui Ueyama <ruiu@gmail.com>
Ruixin Bao <ruixin.bao@ibm.com>
Ruslan Nigmatullin <elessar@dropbox.com>
Russ Cox <rsc@golang.org>
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 4890

Sunny <me@darkowlzz.space>
Suriyaa Sundararuban <suriyaasundararuban@gmail.com>
Suyash <dextrous93@gmail.com>
Suzy Mueller <suzmue@golang.org>
Sven Almgren <sven@tras.se>
Sven Blumenstein <svbl@google.com>
Sven Taute <sven.taute@gmail.com>
Sylvain Zimmer <sylvain@sylvainzimmer.com>
Syohei YOSHIDA <syoheax@gmail.com>
Szabolcs Nagy <nsz@port70.net>
Taavi Kivisik <taavi.kivisik@gmail.com>
Tad Fisher <tadfisher@gmail.com>
Tad Glines <tad.glines@gmail.com>
Tadas Valiukas <tadovas@gmail.com>
Tadeo Kondrak <me@tadeo.ca>
Taesu Pyo <pyo@asus.com>
Tai Le <letientai299@gmail.com>
Taj Khattra <taj.khattra@gmail.com>
Takashi Matsuo <tmatso@asus.com>
Takashi Mima <tks.m1205@gmail.com>
Takayoshi Nishida <takayoshi.nishida@gmail.com>
Takeshi YAMANASHI <9.nasi@gmail.com>
Takuto Ikuta <tikuta@gmail.com>
Takuya Ueda <uedatakuya@gmail.com>
Tal Shprecher <tshprecher@gmail.com>
Tams Gulcs <tjscsi78@gmail.com>
Tamir Duberstein <tamird@gmail.com>
Tao Qingyun <qingyun@asus.com>
Tao Shen <shentaoskyking@gmail.com>
Tao Wang <tang2218@gmail.com>
Tarmigan Casebolt <tarmigan@gmail.com>
Taro Aoki <aizu.s1230022@gmail.com>
Taru Karttunen <tarutibrui@gmail.com>
Tatsuhiro Tsujikawa <tatsuhiro.t@gmail.com>
Tatsuya Kaneko <t.s.dottx.f@gmail.com>
Taufiq Rahman <taufiqx8@gmail.com>
Teague Cole <tcn1443@gmail.com>
Ted Kornish <golang@tedkornish.com>
Tejasvi Nareddy <tejunareddy@gmail.com>
Terin Stock <terinjokes@gmail.com>
Terrel Shumway <gopher@shumway.us>
Tetsuo Kiso <tetsuokiso@gmail.com>
Than McIntosh <thanm@asus.com>
Thanabodee Charoenpiriyakij <wingyminus@gmail.com>
Thanatat Tamtan <acoshift@gmail.com>
The Hatsune Daishi <nao20010128@gmail.com>
Thiago Avelino <t@avelino.xxx>
Thiago Fransosi Farina <thiago.farina@gmail.com> <tfarina@chromium.org>
Yang Tian <linuxty@gmail.com>
Yann Hodique <yhodique@google.com>
Yann Kerherv <yann.kerherve@gmail.com>
Yann Salan <yannsalaun1@gmail.com>
Yannic Bonenberger <contact@yannic-bonenberger.com>
Yao Zhang <lunaria21@gmail.com>
Yaron de Leeuw <jarondl@google.com>
Yaroslav Vorobiov <yar.vorobiov@gmail.com>
Yasha Bubnov <girokompass@gmail.com>
Yasser Abdolmaleki <yasser@yasser.ca>
Yasuharu Goto <matope.ono@gmail.com>
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Yu Heng Zhang <annita.zhang@cn.ibm.com>
Yu Xuan Zhang <zyxsh@cn.ibm.com>
Yuichi Kishimoto <yk2220s@gmail.com>
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Yuji Yaginuma <yuji.yaginuma@gmail.com>
Yuki OKUSHI <huyuumi.dev@gmail.com>
Yuki Yugui Sonoda <yugui@google.com>
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Yury Smolsky <yury@smolsky.by>
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Yuusei Kuwana <kuwana@kumama.org>
Yuval Pavel Zholkover <paulzhol@gmail.com>
Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>
Zac Bergquist <zbergquist99@gmail.com>
Zach Bintliff <zbintliff@gmail.com>
Zach Gershman <zaghersh@gmail.com>
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Zachary Amsden <zach@thundertoken.com>
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1.339 py3-webencodings 0.5.1-r4
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```
webencodings.mklabels

Regenerate the webencodings.labels module.

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```
import json
try:
    from urllib import urlopen
except ImportError:
    from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = ['''
webencodings.labels
~~~~~~~~~~~~~~~~~~~

Map encoding labels to their name.

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# XXX Do not edit!
# This file is automatically generated by mklabels.py

LABELS = {
    '''
    labels = [
        (repr(assert_lower(label)).lstrip('u'),
         repr(encoding['name']).lstrip('u'))
        for category in json.loads(urlopen(url).read().decode('ascii'))
        for encoding in category['encodings']
        for label in encoding['labels']]
    max_len = max(len(label) for label, name in labels)
    parts.extend(
        '    %s:%s %s,
' % (label, ' ' * (max_len - len(label)), name)
        for label, name in labels)
    parts.append('}
    return ''.join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))
from setuptools import setup, find_packages
import io
import re

VERSION = re.search("VERSION = '([^']+)'", io.open(
    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),
    encoding='utf-8').read().strip()).group(1)

LONG_DESCRIPTION = io.open(
    path.join(path.dirname(__file__), 'README.rst'),
    encoding='utf-8').read()

setup(
    name='webencodings',
    version=VERSION,
    url='https://github.com/SimonSapin/python-webencodings',
    license='BSD',
    author='Simon Sapin',
    author_email='simon.sapin@exyr.org',
    maintainer='Geoffrey Sneddon',
    maintainer_email='me@gsnedders.com',
    description='Character encoding aliases for legacy web content',
    long_description=LONG_DESCRIPTION,
    classifiers=[
        'Development Status :: 4 - Beta',
        'Intended Audience :: Developers',
        'License :: OSI Approved :: BSD License',
        'Programming Language :: Python',
        'Programming Language :: Python :: 2',
        'Programming Language :: Python :: 2.6',
        'Programming Language :: Python :: 2.7',
        'Programming Language :: Python :: 3',
        'Programming Language :: Python :: 3.3',
        'Programming Language :: Python :: 3.4',
        'Programming Language :: Python :: 3.5',
        'Programming Language :: Python :: 3.6',
        'Programming Language :: Python :: Implementation :: CPython',
        'Programming Language :: Python :: Implementation :: PyPy',
    ]
)
This is a Python implementation of the `WHATWG Encoding standard`
<http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker:
  https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
* License: BSD
* Python 2.6+ and 3.3+

In order to be compatible with legacy web content
when interpreting something like ``Content-Type: text/html; charset=latin1``,
tools need to use a particular set of aliases for encoding labels
as well as some overriding rules.
For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually
aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence
over any other encoding declaration.
The Encoding standard defines all such details so that implementations do
not have to reverse-engineer each other.

This module has encoding labels and BOM detection,
but the actual implementation for encoders and decoders is Pythons.
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Internet :: WWW/HTTP

```
Found in path(s):
* /opt/cola/permits/1174847361_1630481812.81/0/python-webencodings-0.5.1-orig-1.tar.gz/webencodings-0.5.1/PKG-INFO
* /opt/cola/permits/1174847361_1630481812.81/0/python-webencodings-0.5.1-orig-1.tar.gz/webencodings-0.5.1/webencodings.egg-info/PKG-INFO
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* /opt/cola/permits/1174847361_1630481812.81/0/python-webencodings-0.5.1-orig-1.tar.gz/webencodings-0.5.1/webencodings/labels.py
* /opt/cola/permits/1174847361_1630481812.81/0/python-webencodings-0.5.1-orig-1.tar.gz/webencodings-0.5.1/webencodings/tests.py
* /opt/cola/permits/1174847361_1630481812.81/0/python-webencodings-0.5.1-orig-1.tar.gz/webencodings-0.5.1/webencodings/x_user_defined.py
* /opt/cola/permits/1174847361_1630481812.81/0/python-webencodings-0.5.1-orig-1.tar.gz/webencodings-0.5.1/webencodings/__init__.py
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python-webencodings

This is a Python implementation of the `WHATWG Encoding standard
<http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker: https://github.com/gsnedders/python-webencodings
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Found in path(s):
* `/opt/cola/permits/1174847361_1630481812.81/0/python-webencodings-0.5.1-orig-1-tar-gz/webencodings-0.5.1/README.rst`

---

1.340 google-go-cmp 0.5.4

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1.341 libtool 2.4.6-14

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.347 golang-genproto 0.0.0-20201022181438-0ff5f38871d5

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1.352 client-golang 1.8.0
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1.355 urfave-cli 2.3.0

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1.357 findutils 4.7.0 1ubuntu1

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50. textmate/r.tmbundle (https://github.com/textmate/r.tmbundle)
51. textmate/ruby.tmbundle (https://github.com/textmate/ruby.tmbundle)
52. textmate/shellscripct.tmbundle (https://github.com/textmate/shellscripct.tmbundle)
53. textmate/sql.tmbundle (https://github.com/textmate/sql.tmbundle)
54. textmate/yaml.tmbundle (https://github.com/textmate/yaml.tmbundle)
55. TypeScript-TmLanguage version 0.1.8 (https://github.com/Microsoft/TypeScript-TmLanguage)
56. vscode-swift version 0.0.1 (https://github.com/owensd/vscode-swift)

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Metadata-Version: 1.1
Name: procsfs
Version: 0.2.0
Summary: Python API for the Linux /proc virtual filesystem
Easy to use

```python
>>> from procfs import Proc
>>> proc = Proc()

>>> proc.loadavg
{'average': {1: 0.0, 5: 0.0, 15: 0.0},
'entities': {'current': 1, 'total': 117},
'last_pid': 3068}

>>> proc.net.dev.eth1.receive.bytes
117997558

>>> proc.meminfo.MemFree
57044

>>> proc.net.snmp.Udp
{'InDatagrams': 3394, 'OutDatagrams': 3399, 'RcvbufErrors': 0, 'InErrors': 0, 'SndbufErrors': 0, 'NoPorts': 4}

Process information

```python
>>> proc.self
<Process 3068: python>

>>> proc.self.parent
<Process 17423: bash>

>>> proc.self.uptime
datetime.timedelta(0, 346, 380262)

>>> proc.processes
>>> len(proc.processes)
110

>>> proc.processes.cmdline('(vim|ssh)')

>>> proc.processes.uid(1000)

>>> proc.processes.user('pmuller').cmdline('python')[0]
<Process 3093: python>

Links
```
* `documentation <http://packages.python.org/procfs/>`
* `github <http://github.com/pmuller/procfs>`
```

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1.370 software-properties 0.99.9.8
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1.377 ncurses 6.3_p20211120-r0

1.377.1 Available under license :

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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.10 2021/01/01 09:54:30 tom Exp $
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1.378 robfig-cron 3.0.1
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1.379 pep517 0.11.0
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1.380 x-net 0.0.0-2021112202133-69e39bad7dc2

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1.381 distlib 0.3.0

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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The Distutils2 project was started by Tarek Ziad and is currently maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

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It was taken over by Matthias Urlichs <smurf@debian.org>, and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

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=======================================
LIBGCRYPTION Werner Koch 2001-06-07
Assigns past and future changes.
Assignment for future changes terminated on 2012-12-04.
wk@gnupg.org
Designed and implemented Libgcrypt.

GNUPGMatthew Skala 1998-08-10
Disclaims changes.
mskala@ansuz.sooke.bc.ca
Wrote cipher/twofish.c.

GNUPGNatural Resources Canada  1998-08-11
Disclaims changes by Matthew Skala.

GNUPGMichael RothGermany  1998-09-17
Assigns changes.
mroth@nessie.de
Wrote cipher/des.c.
Changes and bug fixes all over the place.

GNUPGNiklas Hernaeus 1998-09-18
Disclaims changes.
nh@df.lth.se
Weak key patches.

GNUPGRmi Guyomarch1999-05-25
Assigns past and future changes. (g10/compress.c, g10/enr-data.c, g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)
r guyom@mail.dotcom.fr

ANY  g10 Code GmbH  2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31
Assigns past and future changes.
twoaday@freakmail.de

LIBGCRYPT Simon Josefsson  2002-10-25
Assigns past and future changes to FSF (cipher/{md4,crc}.c, CTR mode, CTS/MAC flags, self test improvements)
simon@josefsson.org

LIBGCRYPT Moritz Schulte2003-04-17
Assigns past and future changes.
moritz@g10code.com

GNUTLS  Nikolaos Mavrogiannopoulos  2003-11-22
nmav@gnutls.org
Original code for cipher/rfc2268.c.

LIBGCRYPTThe Written Word2005-04-15
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09
Assigns Past and Future Changes
bradh@frogmouth.net
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07
Assigns Past and Future Changes
perky@freebsd.org
(SEED cipher)

LIBGCRYPT Werner Dittmann 2009-05-20
Assigns Past and Future Changes
werner.dittmann@t-online.de
(mpi/amd64, tests/mpitests.c)

GNUPG David Shaw
Assigns past and future changes.
dshaw@jabberwocky.com
(cipher/camellia-glue.c and related stuff)

LIBGCRYPT Andrey Jivsov 2010-12-09
Assigns Past and Future Changes
openpgp@brainhub.org
(cipher/ecc.c and related files)

LIBGCRYPT Ulrich Müller 2012-02-15
Assigns Past and Future Changes
ulm@gentoo.org
(Changes to cipher/idea.c and related files)

LIBGCRYPT Vladimir Serbinenko 2012-04-26
Assigns Past and Future Changes
phcoder@gmail.com
(cipher/serpent.c)

Authors with a DCO
====================

Andrei Scherer <andsch@inbox.com>
2014-08-22:BF7CEF794F9.000003F0andsch@inbox.com:

Christian Aistleitner <christian@quelltextlich.at>
2013-02-26:20130226110144.GA12678@quelltextlich.at:
More credits
============

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1.392 xz 5.2.4 1ubuntu1.1

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To: Jonathan Nieder <jrnieder@gmail.com>
Subject: Re: XZ utils for Debian
Date: Sun, 19 Jul 2009 13:28:23 +0300
Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

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1.393 go-macaron-gzip 0.0.0-20160222043647-cad1c6580a07
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1.394 jackc-puddle 1.1.3

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* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-jar/io/grpc/protobuf/package-info.java
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project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://markupsafe.palletsprojects.com/
  Changes = https://markupsafe.palletsprojects.com/changes/
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select = B, E, F, W, B9, ISC
ignore =
E203
E501
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W503
max-line-length = 80

[mypy]
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disallow_untyped_calls = True
disallow_untyped_defs = True
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no_implicit_reexport = True
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[egg_info]
tag_build =
tag_date = 0

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Name: MarkupSafe
Version: 2.1.1
Summary: Safely add untrusted strings to HTML/XML markup.
Home-page: https://palletsprojects.com/p/markupsafe/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
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Project-URL: Documentation, https://markupsafe.palletsprojects.com/
Project-URL: Changes, https://markupsafe.palletsprojects.com/changes/
MarkupSafe

------------------------------

MarkupSafe implements a text object that escapes characters so it is safe to use in HTML and XML. Characters that have special meanings are replaced so that they display as the actual characters. This mitigates injection attacks, meaning untrusted user input can safely be displayed on a page.

Installing

--------

Install and update using `pip`:

.. code-block:: text

   pip install -U MarkupSafe


Examples

--------

.. code-block:: pycon

   >>> from markupsafe import Markup, escape

   >>> # escape replaces special characters and wraps in Markup
   >>> escape("&lt;script&gt;alert(document.cookie);&lt;/script&gt;")
   Markup('&lt;script&gt;alert(document.cookie)&lt;/script&gt;')

   >>> from markupsafe import Markup, escape

   >>> # escape replaces special characters and wraps in Markup
   >>> escape(\"&lt;script&gt;alert(document.cookie);&lt;/script&gt;\")
   Markup('&lt;script&gt;alert(document.cookie)&lt;/script&gt;')
>>> # wrap in Markup to mark text "safe" and prevent escaping
>>> Markup("<strong>Hello</strong>")
Markup('<strong>Hello</strong>')

>>> escape(Markup("<strong>Hello</strong>"))
Markup('<strong>Hello</strong>')

>>> # Markup is a str subclass
>>> # methods and operators escape their arguments
>>> template = Markup("Hello <em>{name}</em>")
>>> template.format(name=""World"")
Markup('Hello <em>World</em>')

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-----

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- Documentation: https://markupsafe.palletsprojects.com/
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1.400 jackc-pgx 4.12.1-0.20210724153913-640aa07df17c
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Version: 0.0.0
1.402 mux 1.8.0

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1.415 ldap 3.0.2

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1.417 python-certifi 2019.11.28
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1.418 ubuntu-keyring 2020.02.11.4

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1.419 x-sys 0.0.0-20211216021012-1d35b9e2eb4e

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1.421 cyrus-sasl 2.1.27+dfsg-2ubuntu0.1

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 * Rob Earhart
 * Rob Siemborski
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1.422 jackc-pgpassfile 1.0.0

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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Richard Outerbridge

DES core in libcrypto

D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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lib/hcrypto/test_dh.c

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1.431 popt 1.16-14

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Authors/contributors include:

A. Wilcox
Ada Worcester
Alex Dowad
Alex Suykov
Alexander Monakov
Andre McCurdy
Andrew Kelley
Anthony G. Basile
Aric Belsito
Arvid Picciani
Bartosz Brachaczek
Benjamin Peterson
Bobby Bingham
Boris Brezillon
Brent Cook
Chris Spiegel
Clement Vasseur
Daniel Micay
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Drew DeVault
Emil Renner Berthing
Fangrui Song
Felix Fietkau
Felix Janda
Gianluca Anzolin
Hauke Mehrten
He X
Hiltjo Posthuma
Isaac Dunham
Jaydeep Patil
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Jeremy Huntwork
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Kaarle Ritvanen
Khem Raj
Kylie McClain
Leah Neukirchen
Luca Barbato
Luka Perkov
M Farkas-Dyck (Strake)
Mahesh Bodapati
Markus Wichmann
Masanori Ogino
Michael Clark
Michael Forney
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Natanael Copa
Nicholas J. Kain
orc
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Patrick Oppenlander
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1.435 x-net 0.0.0-20220225172249-27dd8689420f

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1.436 six 1.14.0-2

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1.437 gsettings-desktop-schemas 3.36.0-1ubuntu1

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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package api

import (
    "io/ioutil"
    "strings"
    "time"
)

type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"

    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"

    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"

    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"

    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"

    // The time at which the license ceases to function and can
    // no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"
// The product the license is valid for
Product string "json: "product"

// License Specific Flags
Flags map[string]interface{} "json: "flags"

// Modules is a list of the licensed enterprise modules
Modules []string "json: "modules"

// List of features enabled by the license
Features []string "json: "features"

}  

type LicenseReply struct {
Valid bool
License *License
Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
var reply LicenseReply
if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
    return nil, err
} else {
    return &reply, nil
}
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
r.params.Set("signed", "1")
r.setQueryOptions(q)
_, resp, err := requireOK(op.c.doRequest(r))
if err != nil {
    return "", err
}

defer closeResponseBody(resp)

data, err := ioutil.ReadAll(resp.Body)
if err != nil {
    return "", err
}

return string(data), nil

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the built-in license is invalid, the current license stays active.
//
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set via agent configuration instead of through the API
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

// LicensePut will configure the Consul Enterprise license for the target datacenter
//
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set via agent configuration instead of through the API
func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

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Configurable modular Prometheus exporter for various node metrics.

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 */

package minio
import (  
    "bytes"  
    "context"  
    "encoding/xml"  
    "fmt"  
    "net/http"  
    "net/url"
)

"github.com/minio/minio-go/v7/pkg/s3utils"

// objectLegalHold - object legal hold specified in  
// https://docs.aws.amazon.com/AmazonS3/latest/API/archive-RESTObjectPUTLegalHold.html  
type objectLegalHold struct {  
    XMLNS       string `xml:"xmlns,attr,omitempty"`  
    XMLName  xml.Name `xml:"LegalHold"`  
    Status LegalHoldStatus `xml:"Status,omitempty"`  
}

// PutObjectLegalHoldOptions represents options specified by user for PutObjectLegalHold call  
type PutObjectLegalHoldOptions struct {  
    VersionID string  
    Status    *LegalHoldStatus  
}

// GetObjectLegalHoldOptions represents options specified by user for GetObjectLegalHold call  
type GetObjectLegalHoldOptions struct {  
    VersionID string  
}

// LegalHoldStatus - object legal hold status.  
type LegalHoldStatus string

const (  
    // LegalHoldEnabled indicates legal hold is enabled  
    LegalHoldEnabled LegalHoldStatus = "ON"

    // LegalHoldDisabled indicates legal hold is disabled  
    LegalHoldDisabled LegalHoldStatus = "OFF"
)

func (r LegalHoldStatus) String() string {  
    return string(r)
}

// IsValid - check whether this legal hold status is valid or not.  
func (r LegalHoldStatus) IsValid() bool {  

func newObjectLegalHold(status *LegalHoldStatus) (*objectLegalHold, error) {
    if status == nil {
        return nil, fmt.Errorf("Status not set")
    }
    if !status.IsValid() {
        return nil, fmt.Errorf("Invalid legal hold status \%v\", status)
    }
    legalHold := &objectLegalHold{
        Status: *status,
    }
    return legalHold, nil
}

// PutObjectLegalHold : sets object legal hold for a given object and versionID.
func (c Client) PutObjectLegalHold(ctx context.Context, bucketName, objectName string, opts PutObjectLegalHoldOptions) error {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return err
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return err
    }

    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")
    if opts.VersionID != "" {
    }
    lh, err := newObjectLegalHold(opts.Status)
    if err != nil {
        return err
    }

    lhData, err := xml.Marshal(lh)
    if err != nil {
        return err
    }

    reqMetadata := requestMetadata{
bucketName:       bucketName,
objectName:       objectName,
queryValues:      urlValues,
contentBody:      bytes.NewReader(lhData),
contentLength:    int64(len(lhData)),
contentMD5Base64: sumMD5Base64(lhData),
contentSHA256Hex: sum256Hex(lhData),
}

// Execute PUT Object Legal Hold.
deferr closeResponse(resp)
if err != nil {
    return err
}
if resp != nil {
        return httpRespToErrorResponse(resp, bucketName, objectName)
    }
}
return nil

// GetObjectLegalHold gets legal-hold status of given object.
func (c Client) GetObjectLegalHold(ctx context.Context, bucketName, objectName string, opts
GetObjectLegalHoldOptions) (status *LegalHoldStatus, err error) {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return nil, err
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return nil, err
    }
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", ")"
    if opts.VersionID != "" {
    }

    // Execute GET on bucket to list objects.
    resp, err := c.executeMethod(ctx, http.MethodGet, requestMetadata{
        bucketName:       bucketName,
        objectName:       objectName,
        queryValues:      urlValues,
        contentSHA256Hex: emptySHA256Hex,
    })

defer closeResponse(resp)
if err != nil {
    return nil, err
}
if resp != nil {
if resp.StatusCode != http.StatusOK {
    return nil, httpRespToErrorResponse(resp, bucketName, objectName)
}
}
lh := &objectLegalHold{}
if err = xml.NewDecoder(resp.Body).Decode(lh); err != nil {
    return nil, err
}
return &lh.Status, nil

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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
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import (  
  "encoding/json"
)
"github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    LicenseProps
    VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

// UnmarshalJSON hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}

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1.445 cffi 1.15.0
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Gabe Schaffer
Gabor Szabo<szabgab@gmail.com>
Garry T. Williams<garry@zvolve.com>
Gary Clark<GaryC@mail.jeld-wen.com>
Gary L. Armstrong
Gary Ng<71564.1743@compuserve.com>
Gavin Shelley<columbusmonkey@me.com>
Gene Sullivan<genesullivan50@yahoo.com>
Geoffrey F. Green<geoff-public@stuebegreen.com>
Geoffrey T. Dairiki<dairiki@dairiki.org>
Georg Schwarz<geos@epost.de>
George Greer<perl@greerga.m-l.org>
George Hartzell<georgewh@gene.com>
George Necula<necula@eecs.berkeley.edu>
Geraint A Edwards<gedge@serf.org>
Gerard Goossen<gerard@ggoossen.net>
Gerben Wierda<G.C.Th.Wierda@AWT.nl>
Gerd Knops<gert@BITart.com>
Gerrit P. Haase<gp@familiehaase.de>
Gideon Israel Dsouza<gideon@cpan.org>
Giles Lean<giles@nemeton.com.au>
Gisle Aas<gisle@aas.no>
Glenn D. Golden<gdg@zplane.com>
Glenn Linderman<perl@nevcal.com>
Gordon J. Miller<gjm@cray.com>
Gordon Lack<gml4410@ggr.co.uk>
Goro Fuji<gfiji@cpan.org>
Grace Lee<grace@hal.com>
Graham Barr<gbarr@pobox.com>
Graham Knop<haarg@haarg.org>
Graham TerMarsch<graham@howlingfrog.com>
Grant McLean<grantm@cpan.org>
Greg Bacon<gbacon@itsc.uah.edu>
Greg Chapman<glc@well.com>
Greg Earle
Greg Kuperberg
Greg Matheson<lang@ms.chinmin.edu.tw>
Greg Seibert<seibert@Lynx.COM>
Greg Ward<gward@ase.com>
Gregor Chrupala<gregor.chrupala@star-group.net>
gregor herrmann<gregoa@debian.org>
Gregory Martin Pfeil<pfeilgm@technomadic.org>
Guenter Schmidt<gsc@bruker.de>
Guido Flohr<guido@imperia.net>
Guruprasad S<SGURUPRASAD@novell.com>
Gurusamy Sarathy<gsar@cpan.org>
Gustaf Neumann
Guy Decoux<decoux@moulon.inra.fr>
Gwyn Judd<b.judd@xtra.co.nz>
H.J. Lu<hjl@nymexst.com>
H.Merijin Brand<h.m.brand@xs4all.nl>
Hal Morris<hom00@utsglobal.com>
Hal Pomeranz<pomeranz@netcom.com>
Hallvard B Furuseth<h.b.furuseth@usit.uio.no>
Hannu Napari<Hannu.Napari@hut.fi>
Hans de Graaff<J.J.deGraaff@twi.tudelft.nl>
Hans Dieter Pearceyhdp@pobox.com>
Hans Ginzel<hans@kolej.mff.cuni.cz>
Hans Mulder<hansmu@xs4all.nl>
Hans Ranke<Hans.Ranke@ei.tum.de>
Harald Jörg<Harald.Joerg@arcor.de>
Harmen<harm@dds.nl>
Harmon S. Nine<hnine@netarx.com>
Harri Pasanen<harri.pasanen@trema.com>
Harry Edmon<harry@atmos.washington.edu>
Hauke D<haukex@zero-g.net>
Heiko Eissfeldt<heiko.eissfeldt@hexco.de>
Helmut Jarausch<jjarausch@num1.igpm.rwth-aachen.de>
James E Keenan<jkeenan@cpan.org>
James FitzGibbon<james@ican.net>
James Jurach<muaddib@erf.net>
James Mastros<james@mastros.biz>
James McCoy<vega.james@gmail.com>
James Raspass<jraspass@gmail.com>
Jamshid Afshar
Jan D.<jan.djarv@mbox200.swipnet.se>
Jan Dubois<jan@jandubois.com>
Jan Pazdziora<adelton@fi.muni.cz>
Jan Starzynski<jan@planet.de>
Jan-Erik Karlsson<trg@privat.utfors.se>
Jan-Pieter Cornet<johmpc@xs4all.nl>
Jared Rhine<jared@organic.com>
Jari Aalto<jari.aalto@poboxes.com>
Jarkko Hietaniemi<jhi@iki.fi>
Jasmine Ahuja<jasmine.ahuja11@gmail.com>
Jasmine Ngan<jasmine.ngan@outlook.com>
Jason A. Smith<smithj4@rpi.edu>
Jason E. Stewart<jason@openinformatics.com>
Jason Shirk
Jason Stewart<jasons@cs.unm.edu>
Jason Varsoke<jjjv@caesun10.msd ray.com>
Jay Hannah<jhannah@mutationgrid.com>
Jay Rogers<jay@rgrs.com>
JD Laub<jdl@access-health.com>
Jeff Bouis
Jeff McDougal<jmcdo@cris.com>
Jeff Okamoto<okamoto@corp.hp.com>
Jeff Pinyan<japhy@pobox.com>
Jeff Siegal<jbs@eddie.mit.edu>
Jeff Urlwin<jurlwin@access.digex.net>
Jeffrey Friedl<jfriedl@regex.info>
Jeffrey S. Haemer<jsh@woodcock.boulder.qms.com>
Jens Hamisch<jens@Strawberry.COM>
Jens Stavnstrup@js@ddre.dk>
Jens T. Berger Thielemann<jensth@ifi.uio.no>
Jens Thomsen<jens@fiend.cis.com>
Jens-Uwe Mager<jum@helios.de>
Jeremy D. Zawodny<jeremy@zawodny.com>
Jeremy H. Brown<jhbrown@ai.mit.edu>
Jeremy Madea<jmadea@inktomi.com>
Jerome Abela<abela@hsf.fr>
Jerrad Pierce<belg4mit@MIT.EDU>
Jerry D. Hedden<jdhedden@cpan.org>
Jess Robinson<castaway@desert-island.me.uk>
Jesse Glick<jesse@sig.bsh.com>
Jesse Luehrs<doy@tozt.net>
Mark Bixby <mark@bixby.org>
Mark Dickinson <dickins3@fas.harvard.edu>
Mark Dootson <mdootson@cpan.org>
Mark Fowler <mark@twoshortplanks.com>
Mark Hanson
Mark J. Reed <mreed@strange.turner.com>
Mark Jason Dominus <mjдают plover.com>
Mark K. Trettin <mkt@lucent.com>
Mark Kaehny <kaehny@execpc.com>
Mark Kettenis <kettenis@wins.uva.nl>
Mark Klein <mklein@dis.com>
Mark Knutsen <knutsen@pilot.njin.net>
Mark Kvale <kvale@phy.ucsf.edu>
Mark Leighton Fisher <markleighonfisher@gmail.com>
Mark Mielke <mark@mark.mielke.cc>
Mark Murray <mark@grondar.za>
Mark Overmeer <mark@overmeer.net>
Mark P. Lutz <mark.p.lutz@boeing.com>
Mark Pease <peasem@primenet.com>
Mark Pizzolato <mark@infocomm.com>
Mark R. Levinson <mrl@isc.upenn.edu>
Mark Stosberg <mark@summersault.com>
Marko Asplund <aspa@merlot.kronodoc.fi>
Markus Jansen <Markus.Jansen@ericsson.com>
Marnix van Ammers <marnix@gmail.com>
Martien Verbruggen <mgv@comdyn.com.au>
Martijn Koster <mak@excitecorp.com>
Martijn Lievaart <m@rtij.nl>
Martin Hasch <mhasch@cpan.org>
Martin Husemann <martin@duskware.de>
Martin J. Bligh <mbilgh@us.ibm.com>
Martin Jost <Martin.Jost@icn.siemens.de>
Martin Lichtin <lichtin@bivio.com>
Martin McGrath <mcgrath.martin@gmail.com>
Martin Plechsmid <plechsmi@karlin.mff.cuni.cz>
Martin Pool <mbp@samba.org>
Martti Rahkila <martti.rahkila@hut.fi>
Marty Lucich <marty@netcom.com>
Marty Pauley <marty+p5p@kasei.com>
Martyn Pearce <martyn@inpharmatica.co.uk>
Marvin Humphrey <marvin@rectangular.com>
Masahiro KAJIURA <masahiro.kajiura@toshiba.co.jp>
Maskhab Kuvatov <kmashrab@uni-bremen.de>
Matthias Bethke <matthias@towiski.de>
Mathias Koerber <mathias@dnssec1.singnet.com.sg>
Mathieu Arnold <m@absolight.fr>
Mats Peterson <mats@sm6sx1.net>
Matsumoto Yasuhiro <mattn.jp@gmail.com>
Robert Sanders<Robert.Sanders@linux.org>
Robert Sebastian Gerus<arachnist@gmail.com>
Robert Spier<rspier@pobox.com>
Roberto C. Sanchez<roberto@connexer.com>
Robin Barker<RMBarker@cpan.org>
Robin Houston<robin@cpan.org>
Rocco Caputo<roc@netrus.net>
Roderick Schertler<roderick@argon.org>
Rodger Anderson<rodger@boi.hp.com>
Rodolfo Carvalho<rhcarvalho@gmail.com>
Ronald F. Guilmette<rfg@monkeys.com>
Ronald J. Kimball<rjk@linguist.dartmouth.edu>
Ronald Schmidt<RonaldWS@aol.com>
Rostislav Skudnov<skrostislav@gmail.com>
Ruben Schattevoy<schattev@imb-jena.de>
Rudolph Todd Maceyko<rm55+@pitt.edu>
Rujith S. de Silva<desilva@netbox.com>
Ruslan Zakirov<ruz@bestpractical.com>
Russ Allbery<rra@stanford.edu>
Russel O'Connor<roconnor@world.std.com>
Russell Fulton<russell@ccu1.auckland.ac.nz>
Russell Mosemann<mose@ccsn.edu>
Ryan Herbert<rherbert@sycamorehq.com>
Ryan Voots <simcop2387@simcop2387.info>
Salvador Fandiño<sandino@yahoo.com>
Salvador Ortiz Garcia<sog@msg.com.mx>
Sam Kimbrel<kimbrel@me.com>
Sam Tregar<sam@tregar.com>
Sam Vilain<sam@vilain.net>
Samuel Thibault<thibault@debian.org>
Samuli Kärkkäinen<skarkkai@woods.iki.fi>
Sawyer X<xsawyerx@cpan.org>
Schuyler Erle<schuyler@oreilly.com>
Scott A Crosby<scrosby@cs.rice.edu>
Scott Bronson<bronson@rinspin.com>
Scott Gifford<sgifford@tir.com>
Scott Henry<scott@sgi.com>
Scott L. Miller<Scott.L.Miller@Compaq.com>
Scott Lanning<lannings@who.int>
Scott Wiersdorf<scott@ perlcode.org>
Sean Boudreau<seanb@qnx.com>
Sean Dague<sean@dague.net>
Sean Davis<dive@ender.com>
Sean M. Burke<sburke@cpan.org>
Sean Robinson<robinson_s@sc.maricopa.edu>
Sean Sheedy<seans@ncube.com>
Sebastian Schmidt<yath@yath.de>
Sebastian Steinlechner<steinlechner@gmx.net>
Sebastian Wittmeier<Sebastian.Wittmeier@ginko.de>
Sébastien Aperghis-Tramoni<saper@cpan.org>
Sebastien Barre<Sebastien.Barre@utc.fr>
Sergey Alekseev<varnie29a@mail.ru>
Sergey Aleynikov<sergey.aleynikov@gmail.com>
Sérgio Durigan Júnior<sergiodj@linux.vnet.ibm.com>
Shawn<svicalifornia@gmail.com>
Shawn M Moore<sartak@gmail.com>
Sherm Pendley<sherm@dot-app.org>
Shigeyu Suzuki<shigeya@wide.ad.jp>
Shimpei Yamashita<shimpei@socrates.patnet.caltech.edu>
Shinya Hayakawa<hayakawa@livedoor.jp>
Shirakata Kentaro<agrath@ub32.org>
Shishir Gundavaram<shishir@ruby.ora.com>
Shlomi Fish<shlomi@cpan.org>
Shoichi Kaji<skaji@cpan.org>
Simon Cozens<simon@netthink.co.uk>
Simon Glover<scog@roe.ac.uk>
Simon Leinen
Simon Parsons<S.Parsons@ftel.co.uk>
Simon Schubert<corecode@fs.ei.tum.de>
Sinan Unur<sinan@unur.com>
Sisyphus<sisyphus@cpan.org>
Slaven Rezic<slaven@rezic.de>
Smylers<smylers@stripey.com>
Solar Designer<solar@openwall.com>
Spider Boardman<spider@orb.nashua.nh.us>
Spiros Denaxas<s.denaxas@gmail.com>
Sreeji K Das<sreeji_k@yahoo.com>
Stanislaw Pusep<stas@sysd.org>
Stas Bekman<stas@stason.org>
Stefan Seifert<nine@detonation.org>
Steffen Müller<smueller@cpan.org>
Steffen Schwignon<ss5@renormalist.net>
Steffen Ullrich<coyote.frank@gmx.net>
Stepan Kasal<skasal@redhat.com>
Stéphane Payrard<stef@mongueurs.net>
Stephanie Beals<bealzy@us.ibm.com>
Stephen Bennett<sbp@exherbo.com>
Stephen Clouse<stephenc@theigroup.com>
Stephen McCamant<smcc@mit.edu>
Stephen O. Lidie<lusol@turkey.cc.Lehigh.EDU>
Stephen Oberholtzer<oliverklozoff@gmail.com>
Stephen P. Potter<spp@ds.net>
Stephen Zander<gibreel@pobox.com>
Stevan Little<stevan@cpan.org>
Steve A Fink<sfink@cs.berkeley.edu>
Steve Grazzini<grazz@pobox.com>
Vincent Pit<perl@profvince.com>
Vishal Bhatia<vishal@deja.com>
Vitali Peil<vitali.peil@uni-bielefeld.de>
Vlad Harchev<hvv@hippo.ru>
Vladimir Alexiev<vladimir@cs.ualberta.ca>
Vladimir Marek<vlmarek@volny.cz>
Vladimir Timofeev<vovkasm@gmail.com>
Volker Schatz<perl@volkerschatz.com>
W. Geoffrey Rommel<grommel@sears.com>
W. Phillip Moore<wpm@ms.com>
Wallace Reis<wreis@cpan.org>
Walt Mankowski<waltman@pobox.com>
Walter Briscoe<w.briscoe@ponl.com>
Warren Hyde<whyde@pezz.sps.mot.com>
Warren Jones<wjones@tc.fluke.com>
Wayne Berke<berke@panix.com>
Wayne Scott<wscott@ichips.intel.com>
Wayne Thompson<Wayne.Thompson@Ebay.sun.com>
Wilfredo Sánchez<wsanchez@mit.edu>
William J. Middleton<William.Middleton@oslo.mobil.telenor.no>
William Mann<wmann@avici.com>
William Middleton<wmiddle@adobe.com>
William R Ward<hermit@BayView.COM>
William Setzer<William_Setzer@ncsu.edu>
William Williams<biwillia@cisco.com>
William Yardley<perlbug@veggiechinese.net>
Winfried König<win@in.rhein-main.de>
Wolfgang Laun<Wolfgang.Laun@alcatel.at>
Wolfram Humann<w.c.humann@arcor.de>
Xavier Noria<fxn@hashref.com>
YAMASHINA Hio<hio@ymir.co.jp>
Yaroslav Kuzmin<ykuzmin@rocketsoftware.com>
Yary Hluchan
Yasushi Nakajima<sey@jkc.co.jp>
Yitzchak Scott-Thoennes<sThoennes@efn.org>
Yutaka OIWA<oiwa@is.s.u-tokyo.ac.jp>
Yutaka OKAIE
Yutao Feng
Yuval Kogman<nothingmuch@woobling.org>
Yves Orton<demerphq@gmail.com>
Zachary Miller<zcmiller@simon.er.usgs.gov>
Zachary Storer<zacts.3.14159@gmail.com>
Zak B. Elep<zakame@zakame.net>
Zbynek Vyskovsky<kvr@centrum.cz>
Zefram<zefram@fysh.org>
ZsBán Ambrus<ambrus@math.bme.hu>
Ævar Arnfjörð Bjarmason<avar@cpan.org>
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Dynamic NDArray Developers list:

* Mark Wiebe
* Continuum Analytics

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src/plasma/fling.cc and src/plasma/fling.h: Apache 2.0

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c-a-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCA CertificateFile.#

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org
for the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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1.469 grpc-ecosystem-go-grpc-middleware

1.2.1

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1.471 felixge-httpsnoop 1.0.1

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1.472 sanitized-anchor-name 1.0.0

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1.473 fzambia-eagle 0.0.1

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1.474 go-isatty 0.0.12

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

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The `random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:
A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
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The `socket' module uses the functions, `getaddrinfo', and
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see

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https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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Upstream Authors:
Christopher Montgomery <monty@xiph.org>
Greg Maxwell <greg@xiph.org>
Ralph Giles <giles@xiph.org>
Cristian Adam <cristian.adam@gmail.com>
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* /opt/cola/permits/1188428075_1649966903.97/0/netcat-openbsd-1-130-r3-os-alpine-3-15-0-tar-xz/netcat-openbsd-1-130-tar-gz/netcat-openbsd-1.130/netcat.c

1.493 profile 1.6.0
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1.497 shadow 4.8.1-r1

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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```go
package api

import (
    "io/ioutil"
    "strings"
    "time"
)

type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"

    // If set, an identifier that should be used to lock the license to a particular site, cluster, etc.
    InstallationID string `json:"installation_id"

    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"

    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"

    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"

    // The time at which the license ceases to function and can no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"
}
```
// The product the license is valid for
Product string `json:"product"

// License Specific Flags
Flags map[string]interface {} `json:"flags"

// Modules is a list of the licensed enterprise modules
Modules []string `json:"modules"

// List of features enabled by the license
Features []string `json:"features"

}
type LicenseReply struct {
    Valid bool
    License *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer closeResponseBody(resp)

    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return "", err
    }

    return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set via agent configuration instead of through the API
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

// LicensePut will configure the Consul Enterprise license for the target datacenter
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set via agent configuration instead of through the API
func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

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Configurable modular Prometheus exporter for various node metrics.
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 */

package minio

import (    "bytes"    "context"    "encoding/xml"    "fmt"    "net/http"    "net/url"    "github.com/minio/minio-go/v7/pkg/s3utils"
)

// objectLegalHold - object legal hold specified in
// https://docs.aws.amazon.com/AmazonS3/latest/API/archive-RESTObjectPUTLegalHold.html
type objectLegalHold struct {
    XMLNS   string          `xml:"xmlns,attr,omitempty"`
    XMLName xml.Name        `xml:"LegalHold"`
    Status  LegalHoldStatus `xml:"Status,omitempty"
}

// PutObjectLegalHoldOptions represents options specified by user for PutObjectLegalHold call
type PutObjectLegalHoldOptions struct {
    VersionID string
    Status    *LegalHoldStatus
}

// GetObjectLegalHoldOptions represents options specified by user for GetObjectLegalHold call
type GetObjectLegalHoldOptions struct {
    VersionID string
}

// LegalHoldStatus - object legal hold status.
type LegalHoldStatus string

const ( // LegalHoldEnabled indicates legal hold is enabled
    LegalHoldEnabled LegalHoldStatus = "ON"
)

// LegalHoldDisabled indicates legal hold is disabled
LegalHoldDisabled LegalHoldStatus = "OFF"
)

func (r LegalHoldStatus) String() string {
    return string(r)
}

// IsValid - check whether this legal hold status is valid or not.
func (r LegalHoldStatus) IsValid() bool {
    return r == LegalHoldEnabled || r == LegalHoldDisabled
}

func newObjectLegalHold(status *LegalHoldStatus) (*objectLegalHold, error) {
    if status == nil {
        return nil, fmt.Errorf("Status not set")
    }
    if !status.IsValid() {
        return nil, fmt.Errorf("invalid legal hold status \%v", status)
    }
    legalHold := &objectLegalHold{
        Status: *status,
    }
    return legalHold, nil
// PutObjectLegalHold: sets object legal hold for a given object and versionID.
func (c Client) PutObjectLegalHold(ctx context.Context, bucketName, objectName string, opts PutObjectLegalHoldOptions) error {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return err
    }

    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return err
    }

    // Get resources properly escaped and lined up before
    // using them in http request.
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")
    if opts.VersionID != "" {
    }

    lh, err := newObjectLegalHold(opts.Status)
    if err != nil {
        return err
    }

    lhData, err := xml.Marshal(lh)
    if err != nil {
        return err
    }

    reqMetadata := requestMetadata{
        bucketName:       bucketName,
        objectName:       objectName,
        queryValues:      urlValues,
        contentBody:      bytes.NewReader(lhData),
        contentLength:    int64(len(lhData)),
        contentMD5Base64: sumMD5Base64(lhData),
        contentSHA256Hex: sum256Hex(lhData),
    }

    // Execute PUT Object Legal Hold.
    defer closeResponse(resp)
    if err != nil {
        return err
    }
// GetObjectLegalHold gets legal-hold status of given object.
func (c Client) GetObjectLegalHold(ctx context.Context, bucketName, objectName string, opts
GetObjectLegalHoldOptions) (status *LegalHoldStatus, err error) {
    // Input validation.
    if err := s3utils.CheckValidBucketName(bucketName); err != nil {
        return nil, err
    }
    if err := s3utils.CheckValidObjectName(objectName); err != nil {
        return nil, err
    }
    urlValues := make(url.Values)
    urlValues.Set("legal-hold", "")

    if opts.VersionID != "" {
    }

    // Execute GET on bucket to list objects.
    resp, err := c.executeMethod(ctx, http.MethodGet, requestMetadata{
        bucketName:       bucketName,
        objectName:       objectName,
        queryValues:      urlValues,
        contentSHA256Hex: emptySHA256Hex,
    })
    defer closeResponse(resp)
    if err != nil {
        return nil, err
    }
    if resp != nil {
        if resp.StatusCode != http.StatusOK {
            return nil, httpRespToErrorResponse(resp, bucketName, objectName)
        }
    }
    lh := &objectLegalHold{
    if err = xml.NewDecoder(resp.Body).Decode(lh); err != nil {
        return nil, err
    }
    }
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Alain Vongsouvanhalain <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Dolan <dolan@lightstep.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@google.com>
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====
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package spec

import (  
"encoding/json"
)
"github.com/go-openapi/swag"
)

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    LicenseProps
    VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

// UnmarshalJSON hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}

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1.516 go-md2man 2.0.0-20190314233015-f79a8a8ca69d

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1.517 cachecontrol 0.12.10

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Metadata-Version: 2.1
Name: CacheControl
Version: 0.12.10
Summary: httplib2 caching for requests
Home-page: https://github.com/ionrock/cachecontrol
Author: Eric Larson
Author-email: eric@ionrock.org
License: UNKNOWN
Description: ..

SPDX-FileCopyrightText: 2015 Eric Larson
CacheControl

CacheControl is a port of the caching algorithms in httplib2 for use with requests session object.

It was written because httplib2’s better support for caching is often mitigated by its lack of thread safety. The same is true of requests in terms of caching.

Quickstart

.. code-block:: python

    import requests
    from cachecontrol import CacheControl

    sess = requests.session()
    cached_sess = CacheControl(sess)

    response = cached_sess.get('http://google.com')

    If the URL contains any caching based headers, it will cache the result in a simple dictionary.

    For more info, check out the docs_

.. _docs: http://cachecontrol.readthedocs.org/en/latest/
.. _httplib2: https://github.com/httplib2/httplib2
.. _requests: http://docs.python-requests.org/

Keywords: requests http caching web
Platform: UNKNOWN
1.518 klauspost-compress 1.9.7

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1.519 glib-networking 2.64.2-1ubuntu0.1

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

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1.523 ordered-set 4.0.2

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1.524 tre 0.8.0

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1.525 golang-snappy 0.0.4

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1.526 `iconv 2.31`

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

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

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

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

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

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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## version 0.1
##
## By Mike Hamburg (Stanford University), 2009
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##

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Thomas Grainger
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Miroslav Shubernetskii
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Written by: Philip Hazel
PCRE JUST-IN-TIME COMPILATION SUPPORT
-------------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

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Email local part: ph10
Email domain: cam.ac.uk

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1.531 protobuf 1.27.1
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1.536 py3-tomli 1.2.2-r0

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1.537 jaeger-lib 2.4.0+incompatible

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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1.543 shortid 0.0.0-20171029131806-771a37caa5cf

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1.546 py3-contextlib 21.6.0-r1
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
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Go support for Protocol Buffers - Google's data interchange format

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1.560 urllib3 1.26.7

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1.561 gopkg-in/ldap 3.0.2

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1.562 sound-theme-freedesktop 0.8 2ubuntu1

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1.563 gogoprotobuf 1.3.1

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dshultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
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1.564 python 3.9.7-r4
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for
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1.572 net-tools 1.60+git20180626.aebd88e
1ubuntu1

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/*
 * Generated by ncscl --mib2yang-std
 * Source: MIB_SOURCES_POST_PROCESSED/CISCO-IMAGE-LICENSE-MGMT-MIB.mib
 */

/*
 * This YANG module has been generated by smidump 0.5.0:
 *
 *    smidump -f yang CISCO-IMAGE-LICENSE-MGMT-MIB
 *
 * Do not edit. Edit the source file instead!
 */

module CISCO-IMAGE-LICENSE-MGMT-MIB {

prefix "cisco-image-license-mgmt-mib";

import ENTITY-MIB {
    prefix "entity-mib";
}

import SNMP-FRAMEWORK-MIB {
    prefix "snmp-framework";
}

import ietf-yang-smiv2 {
    prefix "smiv2";
}

organization
"Cisco Systems Inc.";

contact
"Cisco Systems
Customer Service
Postal: 170 W Tasman Drive
San Jose, CA  95134
USA
Tel: +1 800 553 -NETS
E-mail: cs-snmp@cisco.com";

description
"The MIB module for managing the running image level
of a Cisco device. Cisco's licensing mechanism provides
flexibility to run a device on a chosen image level.
This mechanism is referred to as image level licensing."
Image level licensing leverages the universal image based licensing solution.

The image level licensing mechanism works as follows -

A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems. The user can configure the image level with which the device has to boot. The system will verify whether the appropriate license is available for the configured image level. The image level for the next boot will be determined based on the availability of the license. The following scenarios explains some use-cases of image level licensing:

Scenario 1:
- Customer selects advsecurityk9 based image.
- Manufacturing installs advsecurity license on the device.
- This device will run all features that are part of the base advsecurity license.
- Customer upgrades to advipservicesk9 license.
- The next boot level is set to advipservicesk9.
- The device will run advsecurityk9 feature until the next reboot. After reboot the device will run advipservicesk9 features.

Scenario 2:
- Customer selects advipservicesk9 based image.
- Manufacturing installs advipservices and advsecurity license on the device.
- This device will run all features that are part of the base advipservices license.
- No upgrades available for advipservices license.

The user has to accept the End User License Agreement (EULA) before using this MIB to configure the image level.

This MIB should be used in conjunction with CISCO-LICENSE-MGMT-MIB module to achieve the image level licensing functionality.

This MIB module defines objects which provides the different image levels supported by the device and the license required to enable a particular image level. It also defines objects to let the user configure the required image level. The MIB module contains notification which will be triggered when the user changes the image level for next boot.
The CISCO-LICENSE-MGMT-MIB module should be used to export
the EULA and to configure the required license.

This MIB module is defined generically so it can be used for
both stand-alone as well as stackable devices. The
entPhysicalIndex imported from ENTITY-MIB is used to identify
the device uniquely.

revision 2007-10-16 {
  description
    "Initial version of this MIB module."
}

typedef BootImageLevel {
  type binary {
    length "0..255";
  }
  description
    "This textual convention is used to define
    the image level.

    If the device is running at advipservices
    image level, then the boot image level will
    be 'advipservices'."
}

typedef LicenseNameList {
  type binary {
    length "0..255";
  }
  description
    "This textual convention is used to define
    the list of license names. If multiple licenses
    are present then this string will contain all
    the licenses seperated by the ',' character.

    If the license required to run a device at
    advipservices image level is advipservices and
    advsecurity, then the license name list will be
    'advipservices,advsecurity'."
}

container CISCO-IMAGE-LICENSE-MGMT-MIB {
  config false;

  container ciscoImageLicenseMgmtMIBObjects {
leaf cilmEULAAccepted {
  type boolean;
  description
  "This object when set to TRUE means that the user has
  accepted the END USER LICENSE AGREEMENT. This object
  has to be set to TRUE by the user before using the
  objects in the cilmBootImageLevelTable to configure
  the license.";
  smiv2:define "false";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.3";
}
}

container cilmNotifCntl {
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.4";

  leaf cilmImageLevelChangedNotif {
    type boolean;
    description
    "Specify whether or not a notification should be
    generated on the detection of change in next boot
    image level.

    If set to TRUE, cilmBootImageLevelChanged notification
    will be generated. It is the responsibility of the
    management entity to ensure that the SNMP administrative
    model is configured in such a way as to allow the
    notification to be delivered.";
    smiv2:define "false";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.4.1";
  }
}

container cilmBootImageLevelTable {
  description
  "A table that contains the configuration information of
  current and next boot image level. This table contains
  entries for each software module running in an image
  loaded in the device. The software module is identified by
  cilmModuleName and the device is identified by

  smiv2:oid "1.3.6.1.4.1.9.9.640.1";

  leaf cilmEULAAccepted {
    type boolean;
    description
    "This object when set to TRUE means that the user has
    accepted the END USER LICENSE AGREEMENT. This object
    has to be set to TRUE by the user before using the
    objects in the cilmBootImageLevelTable to configure
    the license.";
    smiv2:define "false";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.3";
  }
}
entPhysicalIndex.

smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.1.1"

list cilmBootImageLevelEntry {
  key "entPhysicalIndex cilmModuleName";
  description
  "An entry in the table for each module containing the
  list of objects that define the configuration of next
  boot level. The following information is specified by
  the objects present in the table.

  - Current image level.
  - Configured image level for the next boot.
  - Actual image level for the next boot.
  - License store index for the current license.
  - License index of the current license.
  - License store index for the next boot license.
  - License index of the next boot license.
"

  smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.1.1"

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }

  leaf cilmModuleName {
    type snmp-framework:SnmpAdminString;
    description
    "This object is used as one of the two indices in
    cilmBootImageLevelTable. This object indicates the module
    name of the software package. There can be multiple
    modules in an image performing specific functionality.
    For example, in a wireless image there can be two modules
    - a base image module and a wireless module.";
    smiv2:max-access "not-accessible";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.1.1.1";
  }

  leaf cilmCurrentImageLevel {
    type cisco-image-license-mgmt-mib:BootImageLevel;
    description
    "This object indicates the current image level that
    the module is running.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.1.1.1.2";
  }
leaf cilmConfiguredBootImageLevel {
type cisco-image-license-mgmt-mib:BootImageLevel;
description
"This object indicates the configured image level of the module for the next boot.

Note: The configured next boot image level may not be the actual next boot image level. The actual next boot image level is denoted by cilmNextBootImageLevel which is determined based on the license availability."
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.3";
}

leaf cilmNextBootImageLevel {
type cisco-image-license-mgmt-mib:BootImageLevel;
description
"This object indicates the next boot image level. The next boot image level can be different from configured level. The next boot image level is determined based on the availability of required license."
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.4";
}

leaf cilmCurrentLicenseStoreIndex {
type uint32;
description
"This object indicates the license store index where the currently used license is stored. This object has the same value as clmgmtLicenseStoreIndex object and uniquely identifies an entry in clmgmtLicenseStoreInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license store index can be '0' if no license is installed and device is running base image."
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.5";
}

leaf cilmCurrentLicenseIndex {
type uint32;
description
"This object indicates the license index of the currently used license. This object has the same value as clmgmtLicenseIndex and uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB."
Note: The license index can be '0' if no license is installed and device is running base image.

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.6";
}

leaf cilmNextBootLicenseStoreIndex {
  type uint32;
  description
  "This object indicates the license store index where the next boot license is stored. This object has the same value as clmgmtLicenseStoreIndex object and uniquely identifies an entry in clmgmtLicenseStoreInfoTable in CISCO-LICENSE-MGMT-MIB.

  Note: The license store index can be '0' if no license is installed for the next boot.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.7";
}

leaf cilmNextBootLicenseIndex {
  type uint32;
  description
  "This object indicates the license index of the next boot license. This object has the same value as clmgmtLicenseIndex and uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB.

  Note: The license index can be '0' if no license is installed for the next boot.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.8";
}
}
}

container cilmImageLevelToLicenseMapTable {
  description
  "This table contains the mapping between different image levels of each modules in the image and the license required to run the modules at a particular image level. This table can be used to identify the different image levels and the appropriate licenses required for each.";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2";
}
list cilmImageLevelToLicenseMapEntry {
  key "entPhysicalIndex cilmModuleName cilmImageLicenseMapIndex";
  description
  "An entry in the table containing the following
  information.
  - The image levels at which the modules can be run.
  - The license required to run a module at a
    particular image level.
  - The priority of the license."
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.1";

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }

  leaf cilmModuleName {
    type leafref {
      path "/cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmModuleName";
    }
  }

  leaf cilmImageLicenseMapIndex {
    type uint32;
    description
    "This is a running index used to identify an entry
    of this table."
    smiv2:max-access "not-accessible";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.1";
  }

  leaf cilmImageLicenseImageLevel {
    type cisco-image-license-mgmt-mib:BootImageLevel;
    description
    "This object indicates the image level at which
    a module can be run. A module can be run at
different image levels. An entry will be created
in this table for every module and image level
combination."
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.2";
  }

  leaf cilmImageLicenseName {

type cisco-image-license-mgmt-mib:LicenseNameList;
description
"This object indicates the list of licenses needed to
be installed for the module to run at the image level
mentioned by cilmImageLicenseImageLevel object of this
entry."
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.3"
}

leaf cilmImageLicensePriority {
type uint32 {
    range "1..255"
}

description
"This object indicates the priority of the image level
mentioned by cilmImageLicenseImageLevel object of this
entry. The image level with the highest priority license
will be considered as the default level in the absence of
next boot image level configuration. For example if there
are three licenses l1, l2 and l3 in the ascending order of
priority, then by default l1 will be the level at which the
module will be running. If the next boot level is configured
then the configuration will override the priority. The highest
priority license supports a feature set which is a super set of
all other licenses."
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.4"
}

notification cilmBootImageLevelChanged {
description
"This notification is triggered when next boot image level
is changed in the management entity. The current and
configured image level are indicated by cilmCurrentImageLevel
and cilmConfiguredBootImageLevel objects respectively."
smiv2:oid "1.3.6.1.4.1.9.9.640.0.1"

container object-1 {

    leaf entPhysicalIndex {
type leafref {
    path "ENTITY-MIB/ENTPHYSICALINDEX"
}
}
leaf cilmModuleName {
    type leafref {
        path "cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmModuleName";
    }
}

leaf cilmCurrentImageLevel {
    type leafref {
        path "cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmCurrentImageLevel";
    }
}

container object-2 {

    leaf entPhysicalIndex {
        type leafref {
            path "entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf cilmModuleName {
        type leafref {
            path "cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmModuleName";
        }
    }

    leaf cilmConfiguredBootImageLevel {
        type leafref {
            path "cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmConfiguredBootImageLevel";
        }
    }

    smiv2:alias "ciscoImageLicenseMgmtMIB" {
        smiv2:oid "1.3.6.1.4.1.9.9.640";
    }
}
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JUNIPER-LICENSE-MIB DEFINITIONS ::= BEGIN

IMPORTS
    MODULE-IDENTITY, OBJECT-TYPE, Unsigned32, TimeTicks, IpAddress,
    NOTIFICATION-TYPE
    FROM SNMPv2-SMI

jnxLicenseMibRoot
    FROM JUNIPER-SMI
DisplayString
    FROM SNMPv2-TC;

jnxLicenseMIB MODULE-IDENTITY
LAST-UPDATED "201007090000Z"
ORGANIZATION "Juniper Networks, Inc."
CONTACT-INFO
    "Juniper Technical Assistance Center
     Juniper Networks, Inc.
     1194 N. Mathilda Avenue
     Sunnyvale, CA 94089
     E-mail: support@juniper.net"
DESCRIPTION
"Implementation of enterprise specific MIB for license commands and configuration."

REVISION "201007090000Z" -- Jul 09, 2010
DESCRIPTION
"Initial version."
 ::= { jnxLicenseMibRoot 1 }

jnxLicenseNotifications OBJECT IDENTIFIER ::= { jnxLicenseMIB 0 }
jnxLicenseObjects OBJECT IDENTIFIER ::= { jnxLicenseMIB 1 }
jnxLicenseInstallObjects OBJECT IDENTIFIER ::= { jnxLicenseObjects 1 }
jnxLicenseSettings OBJECT IDENTIFIER ::= { jnxLicenseObjects 2 }

-- ****************************************************************
-- License table for installed licenses
-- ****************************************************************

jnxLicenseInstallTable OBJECT-TYPE
SYNTAX SEQUENCE OF JnxLicenseInstallEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "This table contains installed feature license information."
 ::= { jnxLicenseInstallObjects 1 }

JnxLicenseInstallEntry OBJECT-TYPE
SYNTAX JnxLicenseInstallEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "A row of giving installed feature license information."
INDEX { IMPLIED jnxLicenseId }
 ::= { jnxLicenseInstallTable 1 }

JnxLicenseInstallEntry ::= SEQUENCE {
 jnxLicenseId DisplayString,
 jnxLicenseVersion INTEGER,
 jnxLicenseDeviceId DisplayString,
 jnxLicenseType INTEGER,
 jnxLicenseKeys OCTET STRING
 }

jnxLicenseId OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Installed feature licenses Id."
 ::= { jnxLicenseInstallEntry 1 }
jnxLicenseVersion OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License Version information"
::= { jnxLicenseInstallEntry 2 }

jnxLicenseDeviceId OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License Device Id"
::= { jnxLicenseInstallEntry 3 }

jnxLicenseType OBJECT-TYPE
SYNTAX INTEGER { invalid(0), count-down(1), date-based(2), permanent(3) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License type information"
::= { jnxLicenseInstallEntry 4 }

jnxLicenseKeys OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License Keys"
::= { jnxLicenseInstallEntry 5 }

-- Feature Listing Table

jnxLicenseFeatureListTable OBJECT-TYPE
SYNTAX SEQUENCE OF JnxLicenseFeatureListEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "list of features supporting Licensing."
::= { jnxLicenseInstallObjects 2 }

jnxLicenseFeatureListEntry OBJECT-TYPE
SYNTAX JnxLicenseFeatureListEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "A row of licensed features."
INDEX { jnxLicenseFeatureId }
::= { jnxLicenseFeatureListTable 1 }

JnxLicenseFeatureListEntry ::= SEQUENCE {
  jnxLicenseFeatureId INTEGER,
  jnxLicenseFeatureName DisplayString,
jnxLicenseFeatureDescr OBJECT-TYPE
SYNTAX DisplayString,
jnxLicenseFeatureLicenseId DisplayString,
jnxLicenseFeatureLicenseUsed INTEGER,
jnxLicenseFeatureLicenseInstalled INTEGER,
jnxLicenseFeatureLicenseNeeded INTEGER
}
jnxLicenseFeatureId OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "Feature Id to point an entry in this table"
::= { jnxLicenseFeatureListEntry 1 }
jnxLicenseFeatureName OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Feature Name"
::= { jnxLicenseFeatureListEntry 2 }
jnxLicenseFeatureDescr OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Feature Name"
::= { jnxLicenseFeatureListEntry 3 }
jnxLicenseFeatureLicenseId OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Feature License Id"
::= { jnxLicenseFeatureListEntry 4 }
jnxLicenseFeatureLicenseUsed OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Licenses Used"
::= { jnxLicenseFeatureListEntry 5 }
jnxLicenseFeatureLicenseInstalled OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Licenses Installed"
::= { jnxLicenseFeatureListEntry 6 }
jnxLicenseFeatureLicenseNeeded OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Licenses Needed"
::= { jnxLicenseFeatureListEntry 7 }

-- ****************************************************************
-- License configuration parameters
-- ****************************************************************

jnxLicenseRenewBeforeExpiration OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License renew lead time before expiration in days."
::= { jnxLicenseSettings 1 }

jnxLicenseRenewInterval OBJECT-TYPE
SYNTAX INTEGER
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License checking interval in hours."
::= { jnxLicenseSettings 2 }

jnxLicenseAutoUpdate OBJECT-TYPE
SYNTAX DisplayString
MAX-ACCESS read-only
STATUS current
DESCRIPTION "License auto update URL of a license server."
::= { jnxLicenseSettings 3 }

-- ********************************************************************
-- define branches for jnx license traps
-- ********************************************************************

jnxLicenseGraceExpired NOTIFICATION-TYPE
OBJECTS { jnxLicenseFeatureName }
STATUS current
DESCRIPTION "The SNMP trap that is generated when the license grace period for

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6620
feature identified by jnxLicenseFeatureName is expired
 ::= { jnxLicenseNotifications 1 }

jnxLicenseGraceAboutToExpire NOTIFICATION-TYPE
 OBJECTS  { jnxLicenseFeatureName }
 STATUS   current
 DESCRIPTION
  "The SNMP trap that is generated when the license grace period for
   feature identified by jnxLicenseFeatureName is about to expire"
 ::= { jnxLicenseNotifications 2 }

jnxLicenseAboutToExpire NOTIFICATION-TYPE
 OBJECTS  { jnxLicenseFeatureName }
 STATUS   current
 DESCRIPTION
  "The SNMP trap that is generated when the license period for
   feature identified by jnxLicenseFeatureName is about to expire"
 ::= { jnxLicenseNotifications 3 }

jnxLicenseInfringeCumulative NOTIFICATION-TYPE
 OBJECTS  { jnxLicenseFeatureName }
 STATUS   current
 DESCRIPTION
  "The SNMP trap that is generated when the feature is used more
   times than as specified in number of licenses allowed for feature
   as identified by jnxLicenseFeatureName"
 ::= { jnxLicenseNotifications 4 }

jnxLicenseInfringeSingle NOTIFICATION-TYPE
 OBJECTS  { jnxLicenseFeatureName }
 STATUS   current
 DESCRIPTION
  "The SNMP trap that is generated when the license for feature
   identified by jnxLicenseFeatureName is not valid i.e. either expired or
   not available."
 ::= { jnxLicenseNotifications 5 }

END

/*
 * Generated by ncsc --mib2yang-std
 * Source: MIB_SOURCES_POST_PROCESSED/CISCO-LICENSE-MGMT-MIB.mib
 */

/*
 * This YANG module has been generated by smidump 0.5.0:
 *
 *     smidump -f yang CISCO-LICENSE-MGMT-MIB
 */
* Do not edit. Edit the source file instead!
*/

module CISCO-LICENSE-MGMT-MIB {

prefix "cisco-license-mgmt-mib";

import ENTITY-MIB {
    prefix "entity-mib";
}

import INET-ADDRESS-MIB {
    prefix "inet-address";
}

import SNMP-FRAMEWORK-MIB {
    prefix "snmp-framework";
}

import SNMPv2-TC {
    prefix "snmpv2-tc";
}

import ietf-yang-smiv2 {
    prefix "smiv2";
}

organization
"Cisco Systems Inc.";

contact
"Cisco Systems
Customer Service

Postal: 170 W Tasman Drive

San Jose, CA  95134

USA

Tel: +1 800 553 -NETS

E-mail: cs-snmp@cisco.com";

description
"The MIB module for managing licenses on the system.
The licensing mechanism provides flexibility to
enforce licensing for various features in the system.

The following text introduces different concepts and terms those are necessary to understand the MIB definition and to perform license management.

UDI
Universal Device Identifier that uniquely identifies a device. It comprises of product ID, version ID and serial number of the device.

NODE LOCKED LICENSE:
Node locked licenses are locked to one of the device identifiers in the system. For example, the license can be locked to the UDI value of one of the devices in the system. Locking a license to an UDI guarantees that the license will not be moved to a device with a different UDI.

NON-NODE LOCKED LICENSE:
Non-node locked licenses are not locked to any device identifier. They can be used on other similar devices.

METERED LICENSE:
Metered licenses are valid for limited period of time and they expire after that. This period is the usage period of a license and it is not based on real time clock, but system clock.

EULA:
End User License Agreement.

EVALUATION LICENSE:
Evaluation licenses are non-node locked metered licenses which are valid only for a limited period. They are used only when there are no permanent, extension or grace period licenses for a feature. User will have to accept EULA (End User License Agreement) before using an evaluation license. Even though they are not node locked, their usage is recorded on the device.

RIGHT TO USE (RTU) LICENSE:
Right to use license is a non-node locked metered license which is in evaluation mode for a limited time after which it is converted to Right To Use (RTU) license and is valid for the lifetime of the product. User will have to accept EULA (End User License Agreement)
before using this license. Even though it is not node locked, usage information is recorded on the device.

EXTENSION LICENSE:
Extension licenses are node locked metered licenses. These licenses are issued by Cisco’s licensing portal. These licenses need to be installed using management interfaces on the device. User will have to accept an EULA as part of installation of extension license.

GRACE PERIOD LICENSE:
Grace period licenses are node locked metered licenses. These licenses are issued by Cisco’s licensing portal as part of the permission ticket to rehost a license. These licenses are installed on the device as part of the rehost operation. User will have to accept an EULA as part of the rehost operation for this type of license. Details on permission ticket, rehost operations are provided further down in this description clause.

PERMANENT LICENSE:
Permanent licenses are node locked licenses that have no usage period associated with them. These licenses are issued by Cisco’s licensing portal. These licenses need to be installed using management interfaces on the device. Once these licenses are installed, they will provide needed permission for the feature/image across different versions.

COUNTED LICENSE:
Counted licenses limit the number of similar entities that can use the license. For example, a counted license when used by a feature can limit the number of IP phones that can connect or the number of tunnels that can be created.

UNCOUNTED LICENSE:
Uncounted licenses do not limit the number of similar entities that can use the licenses.

License can be enforced at the image level or at the feature level and this MIB module supports both.

IMAGE LEVEL LICENSING:
A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license
and brings up the appropriate software features or subsystems.

FEATURE LEVEL LICENSING:
Feature level licensing will support enforcement of license at individual feature. Features have to check for their licenses before enabling themselves. If it does not have a license, the feature should disable itself.

There is a one-to-one relationship between a feature and a license. That is, a feature can use only one license at a time and a license can be used by only one feature at a time.

LICENSE LINE:
A License line is an atomic set of ASCII characters arranged in a particular format that holds the license for a single feature within it. A line has all the necessary fields and attributes that make it a valid, non-tamper able and complete license.

LICENSE FILE:
File generated by Cisco licensing portal. It is used to install license on product. It has a user readable part and it contains one or more license lines.

DEVICE CREDENTIALS:
Device credentials file is a document that is generated by a licensed device. This document establishes the identity of the device and proves that the sender/user has/had authorized access to the device.

REHOST:
Rehost operation allows a node locked license that is installed on a device to be installed on other similar device. As part of rehost operation, a device processes the permission ticket, revokes the license(s) on the device and generates a rehost ticket as the proof of revocation. This rehost ticket needs to be presented to the Cisco's licensing portal to get the license transferred on to a new similar device.

PERMISSION TICKET:
Permission ticket is a document generated by Cisco licensing portal that allows a device to rehost its licenses.
REHOST TICKET:
Rehost ticket is document generated by a device after it has applied a permission ticket. The rehost ticket is a proof of revocation.

LICENSING PORTAL:
Generates licenses, permission tickets and verifies device credentials and rehost tickets.

This MIB module provides MIB objects to install, clear, revoke licenses. It also provides objects to regenerate last rehost ticket, backup all the licenses installed on a device, generate & export EULA for licenses.

STEPS TO INSTALL A LICENSE:
To install a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the license file, uses device credentials to identify the device
3. Executes the license install action.

STEPS TO CLEAR A LICENSE:
To clear a license, the management application
1. Identifies the license to be cleared using license index.
2. Executes the license clear action.

STEPS TO REHOST A LICENSE:
To rehost a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the processPermissionTicket action. Device revokes the license and generates rehost ticket to be submitted as proof of revocation.
4. Retrieves device credentials of the device where the license needs to be transferred to.
5. Submits rehost ticket as proof of revocation to Cisco's licensing portal, uses device credentials of the new device to identify the device, gets license file.
6. Executes the license install action on the new device.

STEPS TO REGENERATE LAST REHOST TICKET:
To regenerate last rehost ticket, the management
application
1. Retrieves device credentials of the device.
2. Uses already obtained permission ticket or communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the regenerateLastRehostTicket action. Device generates rehost ticket to be submitted as proof of revocation.

STEPS TO BACKUP ALL LICENSES:
To backup all licenses installed in the device, the management application
1. Specifies the backup file path.
2. Executes the license backup action.

STEPS TO GENERATE & EXPORT EULA:
To install certain kind of licenses, the management application must accept EULA first. The management application can generate and export EULA for one or more licenses with out installing licenses as follows.
1. Specifies the license file path that has licenses to be installed
2. Specifies the EULA file path where EULA need to be exported to
3. Executes the generate EULA action.

To support the various license actions, this MIB module also defines MIB objects to know if a device supports licensing, retrieve device credentials, retrieve information on license stores in the device.

It also defines MIB objects to expose management information associated with the licenses installed on the device, with the licensable features in the software image.

This MIB module also defines various notifications that will be triggered to asynchronously notify the management application of any critical events.

This MIB module is defined generically so it can be implemented on stand alone devices or stack of devices. In stack of devices, one device in the stack acts as master agent and rest are slave agents. Each device in the stack has its own UDI. The master agent receives requests on behalf of all the devices in the stack including itself and delegates it to other devices as needed. It also collects responses from other devices and sends them to
the management application. Examples of such devices include stackable switches, devices with route processor and line cards. On the other hand, stand alone device is a single device and has only one UDI associated with it.

entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely. It is specified as the index or one of the index for tables in this MIB as needed."

revision 2012-04-19 {
  description
  "This version of the MIB adds support for Permanent Right to use (RTU) licensing. The revisions are:
  o Updated clmgmtLicenseType object to support the following new types of license:
    permanentRightToUse

    The new module compliance is ciscoLicenseMgmtComplianceRev1.";
}

revision 2011-04-19 {
  description
  "This version of the MIB adds support for Right to use (RTU) licensing. The revisions are:
  o Added RTU license definition to MIB description above.
  o Updated clmgmtLicenseType object to support the following new types of license:
    evalRightToUse
    rightToUse
  o Added following objects to clmgmtLicenseInfoTable
    clmgmtLicensePeriodUsed
  o Added following objects to clmgmtLicensableFeatureTable
    clmgmtFeaturePeriodUsed
  o Added the following notifications
    clmgmtLicenseEvalRTUTransitionWarning
    clmgmtLicenseEvalRTUTransition
  o Added the following conformance groups
    clmgmtLicenseRTUGroup
    clmgmtLicenseRTUUsageNotifGroup

    The new module compliance is ciscoLicenseMgmtComplianceRev1.";
}

revision 2008-11-21 {
  description
  "This version of the MIB adds support for subscription licensing. Subscription licenses provide software enforcement for a licensed feature for a fixed calendar
period. The revisions are:
o Updated clmgmtLicenseType object to support the following three
new types of licenses:
  paidSubscription
  evaluationSubscription
  extensionSubscription
o Added following objects to clmgmtLicenseInfoTable
  clmgmtLicenseStartDate
  clmgmtLicenseEndDate
o Added following objects to clmgmtLicensableFeatureTable
  clmgmtFeatureStartDate
  clmgmtFeatureEndDate
o Added the following notifications
  clmgmtLicenseSubscriptionExpiryWarning
  clmgmtLicenseSubscriptionExtExpiryWarning
  clmgmtLicenseSubscriptionExpired
o Added the following conformance groups
  clmgmtLicenseSubscriptionGroup
  clmgmtLicenseSubscriptionUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1.

revision 2006-10-03 {
  description
  "Initial version of this MIB module.";
}

typedef ClmgmtLicenseIndex {
  type uint32 {
    range "1..4294967295";
  }
  description
  "A unique value, for each license in the managed system.
   It is not necessary to have values assigned contiguously.
   The value for each license must remain constant
   at least from one re-initialization of the entity's
   network management system to the next re-initialization";
}

typedef ClmgmtLicenseIndexOrZero {
  type uint32;
  description
  "This textual convention is an extension of the ClmgmtLicenseIndex
   convention. The latter defines a greater than zero value
   used to identify a license in the managed system. This
   extension permits the additional value of zero. The value
   zero is object-specific and must therefore be defined as
   part of the description of any object which uses this
syntax. Examples of the usage of zero might include situations where license was not present or unknown.

typedef ClmgmtLicenseTransferProtocol {
    type enumeration {
        enum "none" {
            value "1";
        }
        enum "local" {
            value "2";
        }
        enum "tftp" {
            value "3";
        }
        enum "ftp" {
            value "4";
        }
        enum "rcp" {
            value "5";
        }
        enum "http" {
            value "6";
        }
        enum "scp" {
            value "7";
        }
        enum "sftp" {
            value "8";
        }
    }
}

description
"The transfer protocol that should be used for copying files when performing license management. When the protocol is set to local(2), local file system (flash or disk) is used. Different agents may support different transfer protocols and the management application is expected to somehow determine which protocol is supported and use."

datatype ClmgmtLicenseActionState {
    type enumeration {
        enum "none" {
            value "1";
        }
        enum "pending" {
            value "2";
        }
    }
}
enum "inProgress" {
  value "3";
}
enum "successful" {
  value "4";
}
enum "partiallySuccessful" {
  value "5";
}
enum "failed" {
  value "6";
}

description
"The state of license action execution.

none(1) - action is not yet scheduled to be executed.
pending(2) - All the required parameters for the action are set and the action is scheduled to be executed.
inProgress(3) - action execution has started and is in progress.
successful(4) - action has completed successfully.
partiallySuccessful(5) - action has completed, but was partially successful. Management application can query additional MIB objects to know what is successful and what has failed. These additional objects are listed in the description of the corresponding action tables.
failed(6) - action has failed."
}
typedef ClmgmtLicenseActionFailCause {
  type enumeration {
    enum "none" {
      value "1";
    }
    enum "generalFailure" {
      value "2";
    }
  }
}
enum "transferProtocolNotSupported" {
    value "3";
}
enum "fileServerNotReachable" {
    value "4";
}
enum "unrecognizedEntPhysicalIndex" {
    value "5";
}
enum "invalidLicenseFilePath" {
    value "6";
}
enum "invalidLicenseFile" {
    value "7";
}
enum "invalidLicenseLine" {
    value "8";
}
enum "licenseAlreadyExists" {
    value "9";
}
enum "licenseNotValidForDevice" {
    value "10";
}
enum "invalidLicenseCount" {
    value "11";
}
enum "invalidLicensePeriod" {
    value "12";
}
enum "licenseInUse" {
    value "13";
}
enum "invalidLicenseStore" {
    value "14";
}
enum "licenseStorageFull" {
    value "15";
}
enum "invalidPermissionTicketFile" {
    value "16";
}
enum "invalidPermissionTicket" {
    value "17";
}
enum "invalidRehostTicketFile" {
    value "18";
}
enum "invalidRehostTicket" {  
    value "19";
}

enum "invalidLicenseBackupFile" {  
    value "20";
}

enum "licenseClearInProgress" {  
    value "21";
}

enum "invalidLicenseEULAFile" {  
    value "22";
}

description
"Reason for license action failure. Defines error codes for all the license actions.

none(1)       - action execution has not started yet. If the action is completed and the action is successful, then also none(1) is returned to indicate that there are no errors.
generalFailure(2)       - General licensing failure.
    This will be used for resource unavailability failures.
    Ex: Lack of memory.
transferProtocolNotSupported(3)       - protocol selected is not supported.
fileServerNotReachable(4)       - file server is not reachable.
unrecognizedEntPhysicalIndex(5)       - entPhysicalIndex is not valid
invalidLicenseFilePath(6)       - The license file path is not accessible.
invalidLicenseFile(7)       - Contents of license file are not valid.
invalidLicenseLine(8)       - License string in the license file is not valid.
licenseAlreadyExists(9)       - Management application is trying to install a license that already exists.
licenseNotValidForDevice(10)       - This license is not valid for the device/entPhysicalIndex specified.
invalidLicenseCount(11)       - Invalid count for this counted license.
invalidLicensePeriod(12)       - Validity period is invalid for
this expiring license.

licenseInUse(13) - License file is in use by a feature/image.
invalidLicenseStore(14) - License store is not valid.
licenseStorageFull(15) - There is no more space in the license storage.
invalidPermissionTicketFile(16) - The permission ticket file path is not accessible.
invalidPermissionTicket(17) - The permission ticket file contents are not valid.
invalidRehostTicketFile(18) - The rehost ticket file path is not accessible.
invalidRehostTicket(19) - The rehost ticket file contents are not valid.
invalidLicenseBackupFile(20) - License backup store path is not accessible.
licenseClearInProgress(21) - When license clear action is in progress, license backup action is not permitted to avoid race conditions. This error code is sent back in response to a license backup action when a license clear action is in progress or in pending state. Try again in few seconds.
invalidLicenseEULAFile(22) - EULA file path is not accessible.

}

container CISCO-LICENSE-MGMT-MIB {
  config false;

  container clmgmtLicenseConfiguration {
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1";

    leaf clmgmtNextFreeLicenseActionIndex {
      type uint32 {
        range "1..4294967295";
      }
      description
        "This object contains appropriate value for clmgmtLicenseActionIndex that can be used to create an entry in clmgmtLicenseActionTable. The management application should read this object first and then use this as the value for clmgmtLicenseActionIndex to avoid collisions when creating entries in clmgmtLicenseActionTable. Following this approach does not guarantee collision free
row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated.

leaf clmgmtNextFreeDevCredExportActionIndex {
  type uint32;
  description
  "This object contains appropriate value for clmgmtDevCredExportActionIndex that can be used to create an entry in clmgmtDevCredExportActionTable. The management application should read this object first and then use this as the value for clmgmtDevCredExportActionIndex to avoid collisions when creating entries in clmgmtDevCredExportActionTable. Following this approach does not guarantee collision free row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated."
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.1"
}

leaf clmgmtLicenseUsageNotifEnable {
  type boolean;
  description
  "This object indicates whether the device should generate the notifications related to usage of licenses. This object enables/disables sending following notifications:
  clmgmtLicenseExpired
leaf clmgmtLicenseDeploymentNotifEnable {
  type boolean;
  description
  "This object indicates whether the device should generate
  notifications related to license deployment. This object
  enables/disables sending following notifications:
  clmgmtLicenseInstalled
  clmgmtLicenseCleared
  clmgmtLicenseRevoked
  clmgmtLicenseEULAAccepte";
  smiv2:defval "true";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.2";
}

leaf clmgmtLicenseErrorNotifEnable {
  type boolean;
  description
  "This object indicates whether the device should generate
  notifications related to error conditions in enforcing
  licensing. This object enables/disables sending following
  notifications:
  clmgmtLicenseNotEnforced"
  smiv2:defval "true";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.3";
}

container clmgmtLicenseActionTable {
  description
  "A table for invoking license management actions. Management
  application must create a row in this table to trigger any of
  the license management actions. The following are different
  actions that can be executed using this table.
  
  clmgmtLicenseExpiryWarning
  clmgmtLicenseUsageCountExceeded
  clmgmtLicenseUsageCountAboutToExceed
  clmgmtLicenseSubscriptionExpiryWarning
  clmgmtLicenseSubscriptionExpired
  clmgmtLicenseEvalRTUTransitionWarning
  clmgmtLicenseEvalRTUTransition";
  smiv2:defval "true";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.1";
}
1. install
2. clear
3. processPermissionTicket
4. regenerateLastRehostTicket
5. backup
6. generateEULA

Refer to the description of clmgmtLicenseAction for more information on what these actions do on the device.

Once the request completes, the management application should retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion.

list clmgmtLicenseActionEntry {
key "clmgmtLicenseActionIndex";
description
"An entry for each action that is being executed or was executed recently. The management application executes an action by creating this entry. This can be done in the following 2 methods"

1. CREATE-AND-GO method
   Management application sets clmgmtLicenseActionRowStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

2. CREATE-AND-WAIT method
   Management application sets clmgmtLicenseActionRowStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtLicenseActionRowStatus to active(1).

To stop the action from being executed, the management application can delete the entry by setting clmgmtLicenseActionRowStatus
to destroy(6) when clmgmtLicenseActionState is pending(2).

The status of action execution can be known by querying clmgmtLicenseActionState. If the action is still in pending(2) or in inProgress(3) state, the management application need to check back again after few seconds. Once the action completes and status of the action is failed(6), the reason for failure can be retrieved from clmgmtLicenseActionFailCause. If the status of the action is partiallySuccessful(5), results of individual licenses can be queried from clmgmtLicenseActionResultTable.

Not all objects in the entry are needed to execute every action. Below is the list of actions and the required objects that are needed to be set for executing that action.

1. Installing a license
   The following MIB objects need to be set for installing a license
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicenseFile
   g. clmgmtLicenseStore
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAcceptEULA
   j. clmgmtLicenseAction

   clmgmtLicenseActionEntPhysicalIndex need not be set explicitly for license installs. License itself identifies the device where the license needs to be installed.

   clmgmtLicenseStore need to be set to store the licenses in a non-default license store. But, if a license file has more than one license and licenses need to be installed on multiple devices (for example to multiple members with in a stack), then value of clmgmtLicenseStore is ignored and the licenses will be installed in default license stores of the respective devices.

2. Clearing a license
   The following MIB objects need to be set for clearing a license
   a. clmgmtLicenseActionEntPhysicalIndex
   b. clmgmtLicenseActionLicenseIndex
3. Revoking a license
The following MIB objects need to be set for revoking a license:
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicensePermissionTicketFile
   g. clmgmtLicenseRehostTicketFile
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAction

4. Regenerate last rehost ticket
The following MIB objects need to be set for regenerating last rehost ticket:
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicensePermissionTicketFile
   g. clmgmtLicenseRehostTicketFile
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAction

5. Save all licenses to a backup storage
The following MIB objects need to be set for storing all licenses to a backup store:
   a. clmgmtLicenseActionEntPhysicalIndex
   b. clmgmtLicenseActionTransferProtocol
   c. clmgmtLicenseServerAddressType
   d. clmgmtLicenseServerAddress
   e. clmgmtLicenseServerUsername
   f. clmgmtLicenseServerPassword
   g. clmgmtLicenseBackupFile
   h. clmgmtLicenseAction

6. Generate and export EULA if the licenses need EULA to be accepted for installing.
The following MIB objects need to be set exporting required EULAs:
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
c. clmgmtLicenseServerAddress
d. clmgmtLicenseServerUsername
e. clmgmtLicenseServerPassword
f. clmgmtLicenseFile
g. clmgmtLicenseEULAF ile
h. clmgmtLicenseAction

For any action, if clmgmtLicenseActionTransferProtocol is set to local(2), the following objects need not be set.
a. clmgmtLicenseServerAddressType
b. clmgmtLicenseServerAddress
c. clmgmtLicenseServerUsername
d. clmgmtLicenseServerPassword

e. clmgmtLicenseActionIndex {
    type uint32 {
        range "1..4294967295";
    }
    description
    "This object uniquely identifies a row in clmgmtLicenseActionTable. The management application should choose this value by reading clmgmtNextFreeLicenseActionIndex while creating an entry in this table. If an entry already exists with this index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeLicenseActionIndex again and retry with the new value for this object.;"
    smiv2:max-access "not-accessible";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.1";
}

leaf clmgmtLicenseActionEntPhysicalIndex {
    type entity-mib:PhysicalIndexOrZero;
    description
    "This object represents the entPhysicalIndex of the device where the action is being executed. This object is mainly used in devices where one device is acting as a master and rest of the devices as slaves. The master device is responsible for SNMP communication with the management application. Examples include stackable switches, devices with route processor and line card configuration. If this object is not set, the license action will be executed on the master device. Note: This object need not be set if
leaf clmgmtLicenseActionTransferProtocol {
  type cisco-license-mgmt-mib:ClmgmtLicenseTransferProtocol;
  description
  "This object represents the transfer protocol to be used
  when copying files as specified in the following objects.
  1. clmgmtLicenseFile
  2. clmgmtLicensePermissionTicketFile
  3. clmgmtLicenseRehostTicketFile
  4. clmgmtLicenseBackupFile

  Note: This object need not be set if the all the files
  required for the action are in device's local file system."
  smiv2:defval "none";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.3";
}

leaf clmgmtLicenseServerAddressType {
  type inet-address:InetAddressType;
  description
  "This object indicates the transport type of the
  address contained in clmgmtLicenseServerAddress object.
  This must be set when clmgmtLicenseActionTransferProtocol
  is not none(1) or local(2).
  smiv2:defval "unknown";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.4";
}

leaf clmgmtLicenseServerAddress {
  type inet-address:InetAddress;
  description
  "This object indicates the ip address of the server from
  which the files must be read or written to if
  clmgmtLicenseActionTransferProtocol is not none(1) or
  local(2).

  All bits as 0s or 1s for clmgmtLicenseServerAddress are not
  allowed.

  The format of this address depends on the value of the
  clmgmtLicenseServerAddressType object";
leaf clmgmtLicenseServerUsername {
    type snmp-framework:SnmpAdminString {
        length "0..96";
    }
    description "This object indicates the remote user name for accessing files via ftp, rcp, sftp or scp protocols. This object must be set when the clmgmtLicenseActionTransferProtocol is ftp(4), rcp(5), scp(7) or sftp(8). If clmgmtLicenseActionTransferProtocol is rcp(5), the remote username is sent as the server username in an rcp command request sent by the system to a remote rcp server."
    smiv2:defval "";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.6";
}

leaf clmgmtLicenseServerPassword {
    type snmp-framework:SnmpAdminString {
        length "0..96";
    }
    description "This object indicates the password used by ftp, sftp or scp for copying a file to/from an ftp/sftp/scp server. This object must be set when the clmgmtLicenseActionTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons."
    smiv2:defval "";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.7";
}

leaf clmgmtLicenseFile {
    type snmp-framework:SnmpAdminString {
        length "0..255";
    }
    description "This object represents the location of the license file on the server identified by clmgmtLicenseServerAddress. This object MUST be set to a valid value before or concurrently with setting the value of the clmgmtLicenseAction object to install(2). For other operations, the value of this
object is not considered, it is irrelevant."
smiv2:defval ""
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.8"
}

leaf clmgmtLicenseStore {
  type uint32;
description
  "This object represents the clmgmtLicenseStoreIndex of the license store to use within the device. The license store can be a local disk or flash. A device can have more than one license stores. If this object is not set, the license will be stored in the default license store as exposed by clmgmtDefaultLicenseStore object."
smiv2:defval "0"
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.9"
}

leaf clmgmtLicenseActionLicenseIndex {
  type cisco-license-mgmt-mib:ClmgmtLicenseIndexOrZero;
description
  "This object indicates the the license index of the license that is the subject of this action. This is used for identifying a license for performing actions specific to that license. This object need to be set only if clmgmtLicenseAction is set to clear(4). The value of this object is same as the clmgmtLicenseIndex object in clmgmtLicenseInfoEntry for license that is subject of this action."
smiv2:defval "0"
smiv2:max-access "read-write"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.10"
}

leaf clmgmtLicensePermissionTicketFile {
  type snmp-framework:SnmpAdminString {
    length "0..255"
  }
description
  "This object indicates the file name of the permission ticket. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions. The permission ticket is obtained from Cisco licensing portal to revoke a license. The management application must set this object to valid value before invoking the action.";
leaf clmgmtLicenseRehostTicketFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object indicates the file where the rehost ticket generated by the device need to be exported to. The rehost ticket is generated as a result of processPermissionTicket and regenerateLastRehostTicket actions. After generating the rehost ticket, the device exports the rehost ticket contents to this file. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.12";
}

leaf clmgmtLicenseBackupFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object indicates the file where all the licenses in the device need to be backed up. This object need to be set only if clmgmtLicenseAction is set to backup(6) and the management application must set the value of this object to valid value before invoking action.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.13";
}

leaf clmgmtLicenseStopOnFailure {
  type boolean;
  description
  "This object indicates whether the license action should stop if the action on a license fails. This object is applicable only if there are more than one licenses involved in an action.";
  smiv2:defval "false";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.14";
}
leaf clmgmtLicenseAction {
    type enumeration {
        enum "noOp" {
            value "1";
        }
        enum "install" {
            value "2";
        }
        enum "clear" {
            value "3";
        }
        enum "processPermissionTicket" {
            value "4";
        }
        enum "regenerateLastRehostTicket" {
            value "5";
        }
        enum "backup" {
            value "6";
        }
        enum "generateEULA" {
            value "7";
        }
    }
    description "This object indicates the command/action to be executed."
}

<table>
<thead>
<tr>
<th>Command</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>noOp(1)</td>
<td>No operation will be performed.</td>
</tr>
<tr>
<td>install(2)</td>
<td>Installs the license.</td>
</tr>
<tr>
<td>clear(3)</td>
<td>Clears the license.</td>
</tr>
<tr>
<td>processPermissionTicket(4)</td>
<td>Processes the permission ticket and generates and exports rehost ticket.</td>
</tr>
<tr>
<td>regenerateLastRehostTicket(5)</td>
<td>Generates and exports the last generated rehost ticket.</td>
</tr>
<tr>
<td>backup(6)</td>
<td>Backs up all the licenses installed currently onto a</td>
</tr>
</tbody>
</table>
backup store.

generateEULA(7) Checks whether the licenses in the license file need EULA acceptance and uploads the needed EULA contents to a file.

smiv2:defval "noOp";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.15";
}

leaf clmgmtLicenseActionState {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
description "This object indicates the state of this license action.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.16";
}

leaf clmgmtLicenseJobQPosition {
  type uint32;
description "This object represents the position of the action in the license action job queue that is maintained internally. Only actions in pending(2) state will be put in the queue until they are executed. By reading this object, the management application can make intelligent decision on whether to execute another action that it is planning on. For example, if there is already a license clear action in the queue in pending(2) state, management application can choose to defer its license back up action to a later time. This object will return a value of 0 if the action is not in pending(2) state.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.17";
}

leaf clmgmtLicenseActionFailCause {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionFailCause;
description "This object indicates the reason for this license action failure. The value of this object is valid only when clmgmtLicenseActionState is failed(6).";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.18";
}
leaf clmgmtLicenseActionStorageType {
  type snmpv2-tc:StorageType;
  description "This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."
  smiv2:defval "volatile";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.19";
}

leaf clmgmtLicenseActionRowStatus {
  type snmpv2-tc:RowStatus;
  description "This object indicates the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtLicenseConfigCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row. It is recommended that the management application should delete entries in this table after reading the result. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.20";
}

leaf clmgmtLicenseAcceptEULA {
  type boolean;
  description "This object indicates whether the End User License Agreement needed for installing the licenses is accepted.
   true(1) - EULA is read and accepted
   false(2) - EULA is not accepted

   Management application should set this object to true(1) when installing licenses that need EULA acceptance.";
  smiv2:defval "false";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.21";
}

leaf clmgmtLicenseEULAFile {
  type snmp-framework:SnmpAdminString {

This object indicates the file where all the End User License Agreements (EULAs) need to be exported to. This object need to be set only if clmgmtLicenseAction is set to generateEULA(7) and the management application must set the value of this object to valid value before invoking action.

This table contains results of license action if the license action involves multiple licenses. Entries in this table are not created for actions where there is only license that is subject of the action. For example, if there are 3 licenses in a license file when executing license install action, 3 entries will be created in this table, one for each license.
range "1..4294967295";
}
description
"This object indicates the sequence number of this license in the list of licenses on which the action is executed. For example, if there are 3 licenses in a license file when executing license install action, this object will have values 1, 2 and 3 respectively as ordered in the license file."
smiv2:max-access "not-accessible"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.1"
}

leaf clmgmtLicenseIndivActionState {
type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
description
"This object indicates the state of action on this individual license."
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.2"
}

leaf clmgmtLicenseIndivActionFailCause {
type cisco-license-mgmt-mib:ClmgmtLicenseActionFailCause;
description
"This object indicates the reason for action failure on this individual license"
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.3"
}
}

carrier clmgmtLicenseStoreInfoTable {
description
"This table contains information about all the license stores allocated on the device."
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1"
}

list clmgmtLicenseStoreInfoEntry {
  key "entPhysicalIndex clmgmtLicenseStoreIndex"
  description
  "An entry in clmgmtLicenseStoreInfoTable. Each entry contains information about a license store allocated on the device"
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1"

  leaf entPhysicalIndex 
  

type leafref {
  path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
  mib:entPhysicalIndex";
}

leaf clmgmtLicenseStoreIndex {
  type uint32 {
    range "1..4294967295";
  }
  description
    "This object uniquely identifies a license store within
    the device."
  smiv2:max-access "not-accessible"
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.1"
}

leaf clmgmtLicenseStoreName {
  type snmp-framework:SnmpAdminString {
    length "0..255"
  }
  description
    "This object indicates the name of the license store
    within the device. It is a file in device's local file
    system i.e., either on a local disk or flash or some
    other storage media. For example, the value of this
    object can be 'disk1:lic_store_1.txt' or
    'flash:lic_store_2.txt';
  smiv2:max-access "read-only"
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.2"
}

leaf clmgmtLicenseStoreTotalSize {
  type uint32;
  units "bytes"
  description
    "This object indicates the total number of bytes that are
    allocated to the license store."
  smiv2:max-access "read-only"
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.3"
}

leaf clmgmtLicenseStoreSizeRemaining {
  type uint32;
  units "bytes"
  description
    "This object indicates the number of bytes still remaining
    to be used for new license installations in the license
store.

smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.4"

}
}
}

container clmgmtLicenseDeviceInfoTable {
description
"This table contains objects that provide licensing related information at the device level. Entries will exist only for entities that support licensing. For example, if it is a stand alone device and supports licensing, then there will be only one entry in this table. If it is stackable switch then there will be multiple entries with one entry for each device in the stack."
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2"

list clmgmtLicenseDeviceInfoEntry {
key "entPhysicalIndex"
description
"An entry in clmgmtLicenseDeviceInfoTable. Each entry contains device level licensing information for a device."
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2.1"

leaf entPhysicalIndex {
type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
}
}

leaf clmgmtDefaultLicenseStore {
type uint32 {
    range "1..4294967295"
}
description
"This object indicates the clmgmtLicenseStoreIndex of default store in the device. There will be only one default license store per device. If no license store is specified during license install, this default license store will be used."
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2.1.1"

}
container clmgmtLicenseInfoTable {  
  description  
  "This table contains information about all the licenses  
  installed on the device.";  
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3";
}

list clmgmtLicenseInfoEntry {  
  key "entPhysicalIndex clmgmtLicenseStoreUsed clmgmtLicenseIndex";  
  description  
  "An entry in clmgmtLicenseInfoTable. Each entry contains  
  information about a license installed on the device. This  
  entry gets created when a license is installed successfully.  
  Management application can not create these entries directly, but  
  will do so indirectly by executing license install action.  
  Some of these entries may already exist that correspond to  
  demo licenses even before management application installs any  
  licenses.";  
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1";
}

leaf entPhysicalIndex {  
  type leafref {  
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity- 
    mib:entPhysicalIndex";
  }
}

leaf clmgmtLicenseStoreUsed {  
  type uint32 {  
    range "1..4294967295";
  }
  description  
  "This object represents the license store that is used for  
  storing this license. This object will have the same value  
  as clmgmtLicenseStoreIndex in clmgmtLicenseStoreInfoEntry  
  of the license store used.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.1";
}

leaf clmgmtLicenseIndex {  
  type cisco-license-mgmt-mib:ClmgmtLicenseIndex;
  description  
  "This object uniquely identifies a license within  
  the device.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.2";
}
leaf clmgmtLicenseFeatureName {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
    "This object indicates the name of the feature that is
    using or can use this license. A license can be used by
    only one feature. Examples of feature name are: 'IPBASE',
    'ADVIPSERVICE'.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.3";
}

leaf clmgmtLicenseFeatureVersion {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
    "This object indicates the version of the feature that is
    using or can use this license. Examples of feature version
    are: '1.0', '2.0';
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.4";
}

leaf clmgmtLicenseType {
  type enumeration {
    enum "demo" {
      value "1";
    }
    enum "extension" {
      value "2";
    }
    enum "gracePeriod" {
      value "3";
    }
    enum "permanent" {
      value "4";
    }
    enum "paidSubscription" {
      value "5";
    }
    enum "evaluationSubscription" {
      value "6";
    }
    enum "extensionSubscription" {
      value "7";
    }
  }
}
enum "evalRightToUse" {
    value "8";
}
enum "rightToUse" {
    value "9";
}
enum "permanentRightToUse" {
    value "10";
}

description
"This object identifies type of license. Licenses may have
validity period defined in terms of time duration that the
license is valid for or it may be defined in terms of actual
calendar dates. Subscription licenses are licenses that have
validity period defined in terms of calendar dates.
demo(1)               - demo(evaluation license) license.
extension(2)          - Extension(expiring) license.
gracePeriod(3)        - Grace period license.
permanent(4)          - permanent license, the license has no
expiry date.
paidSubscription(5)  - Paid subscription licenses are the
licenses
    which are purchased by customers. These
    licenses have a start date and end date
    associated with them.
evaluationSubscription(6) - Evaluation subscription licenses are
    the trial licenses. These licenses
    are node locked and it can be obtained
    only once for an UDI. They are valid
    based on calendar days. These licenses
    have a start date and end date
    associated with them and are issued
    once per UDI.
extensionSubscription(7) - Extension subscription licenses are
    similar to evaluation subscription
    licenses but these licenses are issued
    based on customer request. There are
    no restrictions on the number of
    licenses available for a UDI.
evalRightToUse(8)     - Evaluation Right to use (RTU)
    license.
rightToUse(9)          - Right to use (RTU) license.
permanentRightToUse(10) - Right To Use license right after it is configured
    and is valid for the lifetime of the product.
    This is a Right To Use license which is not in
    evaluation mode for a limited time.";
leaf clmgmtLicenseCounted {
  type boolean;
  description
  "This object indicates whether the license is counted license.
  true(1) - counted license
  false(2) - uncounted license";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.5";
}

leaf clmgmtLicenseValidityPeriod {
  type uint32;
  units "seconds";
  description
  "This object indicates the time period the license is valid for.
  This object is applicable only if clmgmtLicenseType is demo(1),
  or extension(2) or gracePeriod(3) or evalRightToUse(8). The
  object will return 0 for other license types.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.6";
}

leaf clmgmtLicenseValidityPeriodRemaining {
  type uint32;
  units "seconds";
  description
  "This object indicates the time period remaining before the
  license expires or transitions to rightToUse(9) license. This
  object is applicable only if clmgmtLicenseType is demo(1), or
  extension(2) or gracePeriod(3) or evalRightToUse(8). The
  object will contain 0 for other license types.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.7";
}

leaf clmgmtLicenseExpiredPeriod {
  type uint32;
  units "seconds";
  description
  "This object indicates the elapsed time period since the license
  expired. This object is applicable only if clmgmtLicenseType
  is demo(1), or extension(2) or gracePeriod(3). Also, this
  value of this object will be valid only after the license
expires. The object will return 0 for other license types
or before the license expiry.;
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.9";
}

leaf clmgmtLicenseMaxUsageCount {
  type uint32;
  description
  "This object indicates the maximum number of entities that
  can use this license. This object is applicable only if
  clmgmtLicenseCounted is true(1). The entity that is being
  counted can be anything and it depends on the licensable
  feature.;"
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.10";
}

leaf clmgmtLicenseUsageCountRemaining {
  type uint32;
  description
  "This object indicates the number of entities that can
  still use this license. This object is applicable only
  if clmgmtLicenseCounted is true(1).;"
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.11";
}

leaf clmgmtLicenseEULAStatus {
  type boolean;
  description
  "This object indicates whether the user accepted
  End User License Agreement for this license.
  
  true(1) - EULA accepted
  false(2) - EULA not accepted";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.12";
}

leaf clmgmtLicenseComments {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object represents the user modifiable comments
  about the license. This object is initially populated
  with comments from the license file.";
leaf clmgmtLicenseStatus {
    type enumeration {
        enum "inactive" {
            value "1";
        }
        enum "notInUse" {
            value "2";
        }
        enum "inUse" {
            value "3";
        }
        enum "expiredInUse" {
            value "4";
        }
        enum "expiredNotInUse" {
            value "5";
        }
        enum "usageCountConsumed" {
            value "6";
        }
    }
    description "This object represents status of the license.

    inactive(1)       - license is installed, but
                        not active.
    notInUse(2)      - license is installed and
                        available for use.
    inUse(3)        - the license is being used (by
                        a feature).
    expiredInUse(4) - license is expired but still
                        being held by the feature.
    expiredNotInUse(5) - license is expired and not being
                        held by any feature.
    usageCountConsumed(6) - number of entities using this
                            licenses has reached the allowed
                            limit, no new entities are allowed
                            to use this license."
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.14";
}

leaf clmgmtLicenseStartDate {
    type snmpv2-tc:DateAndTime;
}
description
"This object indicates the start date for a subscription license. It is optional for subscription licenses to have a start date associated with them, they may only have an end date associated with them. This object may be applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable."
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.15"
}

leaf clmgmtLicenseEndDate {
type snmpv2-tc:DateAndTime;
description
"This object indicates the end date for a subscription license. This object is applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable."
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.16"
}

leaf clmgmtLicensePeriodUsed {
type uint32;
units "seconds";
description
"This object indicates the time period used for the Right to use (RTU) licenses. This object is applicable for all RTU licenses."
smiv2:max-access "read-only"
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.17"
}

container clmgmtLicensableFeatureTable {
description
"This table contains list of licensable features in the image. All the licensable features will have an entry each in this table irrespective of whether they are using any licenses currently. Entries in this table are created by the agent one for each licensable feature in the image. These entries remain in the table permanently and can not be deleted. Management application can not create or delete entries from this table.";

smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4";

list clmgmtLicensableFeatureEntry {
  key "entPhysicalIndex clmgmtFeatureIndex";
  description
    "An entry in clmgmtLicensableFeatureTable. Each entry represents a licensable feature.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1";

  leaf entPhysicalIndex {
    type leafref {
      path "entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
}

leaf clmgmtFeatureIndex {
  type uint32 {
    range "1..4294967295";
  }
  description
    "This object uniquely identifies a licensable feature in the device."
    smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.1";
}

leaf clmgmtFeatureName {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
    "This object indicates the name of the licensable feature in the device. Examples of feature names are: 'IPBASE', 'ADVIPSERVICE'";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.2";
}

leaf clmgmtFeatureVersion {
  type snmp-framework:SnmpAdminString {
    length "0..32";
  }
  description
    "This object indicates the version of the licensable feature in the device. Examples of feature versions are: '1.0' or '2.0'";
  smiv2:max-access "read-only";
leaf clmgmtFeatureValidityPeriodRemaining {
    type uint32;
    units "seconds";
    description
    "This object indicates the time period remaining before
    the feature's license expires or transitions. This object is
    applicable only if clmgmtLicenseType of the license used by
    this feature is demo(1), or extension(2) or gracePeriod(3) or
evalRightToUse(8).
    
    The object will contain 0 if other types of license is used
    or if the feature does not use any license. If the
    feature is using multiple licenses, this period will
    represent the cumulative period remaining from all the
    licenses used by this feature.";
    sniv2:max-access "read-only";
    sniv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.3";
}

leaf clmgmtFeatureWhatIsCounted {
    type snmp-framework:SnmpAdminString {
        length "0..128";
    }
    description
    "This object represents the entity that is being counted
    by this feature. Examples of entities are IP Phones, number
    of sessions etc. This object is only applicable for
    features that use counting licenses. For other features,
    this object will return empty string.";
    sniv2:max-access "read-only";
    sniv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.4";
}

leaf clmgmtFeatureStartDate {
    type snmpv2-tc:DateAndTime;
    description
    "This object indicates the license start date of the feature.
    This object is applicable if at least one of the licenses used
    for this feature has a valid start date. The start date will
    be the earliest of the valid start dates of all the licenses
    used for this feature. If none of the licenses used for this
    feature have a valid start date then this object will contain an
    octet string of length 0.";
    sniv2:max-access "read-only";
    sniv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.6";
leaf clmgmtFeatureEndDate {
  type snmpv2-tc:DateAndTime;
  description
  "This object indicates the license end date of the feature. This object is applicable if at least one of the licenses used for this feature has a valid end date. The end date will be the latest of the valid end dates of all the licenses used for this feature. If none of the licenses used for this feature have a valid end date then this object will contain an octet string of length 0.;"
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.7";
}

leaf clmgmtFeaturePeriodUsed {
  type uint32;
  units "seconds";
  description
  "This object indicates the license period used for the feature.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.8";
}

container clmgmtDevCredExportActionTable {
  description
  "A table for triggering device credentials export action. Management application must create this entry to trigger the export of device credentials from the device to a file.

  Once the request completes, the management application should retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion.;"
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2";

  list clmgmtDevCredExportActionEntry {
    key "clmgmtDevCredExportActionIndex";
    description
    "An entry for each device credential export action that is being executed or was executed recently. The management application triggers the export by creating an entry in this table. This can be done in the following 2 methods"
1. CREATE-AND-GO method
   Management application sets clmgmtDevCredExportActionStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

2. CREATE-AND-WAIT method
   Management application sets clmgmtDevCredExportActionStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtDevCredExportActionStatus to active(1).

   To stop the action from being executed, the management application can delete the entry by setting clmgmtDevCredExportActionStatus to destroy(6) when clmgmtDevCredCommandState is pending(2).

   The status of action execution can be known by querying clmgmtDevCredCommandState. If the action is still in pending(2) or inProgress(3), the management application need to check back again after few seconds. Once the action completes and if status of the action is failed(6), the reason for failure can be retrieved from clmgmtDevCredCommandFailCause.

   Entry can be deleted except when clmgmtLicenseAction is set to inProgress(3). All entries in this table are volatile and are cleared on agent reset.

   smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1";

leaf clmgmtDevCredExportActionIndex {
  type uint32 {
    range "1..4294967295";
  }

  description
  "This object uniquely identifies a row in clmgmtDevCredExportActionTable. The management application chooses this value by reading clmgmtNextFreeDevCredExportActionIndex while creating an entry in this table. If an entry already exists with this index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeDevCredExportActionIndex again and retry with the new value for this object.";
leaf clmgmtDevCredEntPhysicalIndex {
    type entity-mib:PhysicalIndexOrZero;
    description
    "This object represents the entPhysicalIndex of the device
    for which the device credentials are being retrieved. This
    object is mainly used in devices where one device is acting
    as a master and rest of the devices as slaves. The master
device is responsible for SNMP communication with the
    manager. Examples include stackable switches, devices with
    router processor and line cards.

    Note: This object need not be set if it is a stand alone
device";
    smiv2:defval "0";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.2";
}

leaf clmgmtDevCredTransferProtocol {
    type cisco-license-mgmt-mib:ClmgmtLicenseTransferProtocol;
    description
    "This object indicates the transfer protocol to be used when
    copying files as specified in the following objects.
    1. clmgmtDevCredExportFile
    .";
    smiv2:defval "none";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.3";
}

leaf clmgmtDevCredServerAddressType {
    type inet-address:InetAddressType;
    description
    "This object indicates the transport type of the
    address contained in clmgmtDevCredServerAddress object.
    This must be set when clmgmtDevCredTransferProtocol
    is not none(1) or local(2).";
    smiv2:defval "unknown";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.4";
}

leaf clmgmtDevCredServerAddress {
    type inet-address:InetAddress;
description
"This object indicates the the ip address of the server
from which the files must be read or written to if
clmgmtDevCredTransferProtocol is not none(1) or local(2).

All bits as 0s or 1s for clmgmtDevCredServerAddress are not allowed.

The format of this address depends on the value of the
clmgmtDevCredServerAddressType object;"
smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.5";
}
leaf clmgmtDevCredServerUsername {
  type snmp-framework:SnmpAdminString {
    length "0..96";
  }
description
"This object indicates the remote user name for accessing
files via ftp, rcp, sftp or scp protocols. This object
must be set when the clmgmtDevCredTransferProtocol is
ftp(4), rcp(5), scp(7) or sftp(8). If
clmgmtDevCredTransferProtocol is rcp(5), the remote
username is sent as the server username in an rcp command
request sent by the system to a remote rcp server.";
smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.6";
}
leaf clmgmtDevCredServerPassword {
  type snmp-framework:SnmpAdminString {
    length "0..96";
  }
description
"This object indicates the password used by ftp, sftp or
scp for copying a file to/from an ftp/sftp/scp server.
This object must be set when the
clmgmtDevCredTransferProtocol is ftp(4) or scp(7) or
sftp(8). Reading it returns a zero-length string for
security reasons.";
smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.7";
}"
leaf clmgmtDevCredExportFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object represents file where device credentials needs to be exported to.";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.8";
}
leaf clmgmtDevCredCommand {
  type enumeration {
    enum "noOp" {
      value "1";
    }
    enum "getDeviceCredentials" {
      value "2";
    }
  }
  description
  "This object indicates the command to be executed.

  Command                          Remarks
  -------                          -------
  noOp(1)                          No operation will be performed.

  getDeviceCredentials(2)          Exports device credentials";
  smiv2:defval "noOp";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.9";
}
leaf clmgmtDevCredCommandState {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
  description
  "This object indicates the state of the action that is executed as a result of setting clmgmtDevCredRowStatus to active(1).";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.10";
}
leaf clmgmtDevCredCommandFailCause {
  type enumeration {
    enum "none" {
      value "1";
    }
  }
}

---

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enum "unknownError" {
    value "2";
}

enum "transferProtocolNotSupported" {
    value "3";
}

enum "fileServerNotReachable" {
    value "4";
}

enum "unrecognizedEntPhysicalIndex" {
    value "5";
}

enum "invalidFile" {
    value "6";
}

description
"This object indicates the the reason for device credentials export operation failure.

The value of this object is valid only when clmgmtDevCredCommandState is failed(6).

none(1)  - action execution has not started yet.
    If the action is completed and the action is successful, then also
    none(1) is returned to indicate that there are no errors.
unknownError(2) - reason for failure is unknown,
    operation failed, no operation is performed
transferProtocolNotSupported(3) - clmgmtDevCredTransferProtocol
given is not supported.
fileServerNotReachable(4)   - file server is not reachable.
unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid
invalidFile(6)  - The target file specified is not valid."

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.11";

leaf clmgmtDevCredStorageType {
    type snmpv2-tc:StorageType;
    description
        "This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row.";
smiv2:defval "volatile";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.12";
}

leaf clmgmtDevCredRowStatus {
    type snmpv2-tc:RowStatus;
    description
    "This object indicates the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtDevCredCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row.

    clmgmtDevCredExportFile is a mandatory object to be set when creating this entry.";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.13";
}

notification clmgmtLicenseExpired {
    description
    "This notification is sent, when a feature license expires. This notification will be sent continuously every week even after the expiry to alert the management application.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.1";

    container object-1 {

        leaf entPhysicalIndex {
            type leafref {
                path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
            }
        }

        leaf clmgmtFeatureIndex {
            type leafref {
            }
        }
    }
}
container object-1 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureName {
    type leafref {
    }
  }
}

container object-2 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
    }
  }
}
mib clmgmtFeatureVersion

{ }

}

container object-3 {

leaf entPhysicalIndex {
  type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
  }
}

leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureValidityPeriodRemaining {
  type leafref {
  }
}

notification clmgmtLicenseUsageCountExceeded {
  description
  "This notification is sent when clmgmtLicenseUsageCountRemaining has reached clmgmtLicenseMaxUsageCount for a counting license."
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.3";
  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
      }
    }

    leaf clmgmtLicenseStoreUsed {
type leafref {
}
leaf clmgmtLicenseIndex {
    type leafref {
    }
}
leaf clmgmtLicenseFeatureName {
    type leafref {
    }
}
container object-2 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }
    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }
leaf clmgmtLicenseFeatureVersion {
    type leafref {
    }
}

container object-3 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }
    }

    leaf clmgmtLicenseMaxUsageCount {
        type leafref {
        }
    }
    }

container object-4 {

    leaf entPhysicalIndex {
        type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }
    }


leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureWhatIsCounted {
  type leafref {
  }
}

container object-5 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
  leaf clmgmtLicenseStoreUsed {
    type leafref {
    }
  }
  leaf clmgmtLicenseIndex {
    type leafref {
    }
  }
  leaf clmgmtLicenseComments {
type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseComments";
}
}
}

notification clmgmtLicenseUsageCountAboutToExceed {
    description
    "This notification is sent when clmgmtLicenseUsageCountRemaining
    has reached 80% of clmgmtLicenseMaxUsageCount for a counting
    license. This is a warning notification to the management
    application that very soon the maximum count will be reached
    and after that the device will not allow new entities to
    make use of this license."
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.4";
}

container object-1 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
        }
    }

    leaf clmgmtLicenseFeatureName {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureName";
        }
    }
}
mib:clmgmtLicenseFeatureName";
    
    }
  }

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
        mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
        mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
        mib:clmgmtLicenseStoreUsed";
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
        mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
        mib:clmgmtLicenseIndex";
    }
  }

  leaf clmgmtLicenseFeatureVersion {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
        mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
        mib:clmgmtLicenseFeatureVersion";
    }
  }

container object-3 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
        mib:entPhysicalIndex";
    }
  }


leaf clmgmtLicenseStoreUsed {
  type leafref {
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
  }
}

leaf clmgmtLicenseMaxUsageCount {
  type leafref {
  }
}

container object-4 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
}

leaf clmgmtLicenseStoreUsed {
  type leafref {
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
  }
}
leaf clmgmtLicenseUsageCountRemaining {
  type leafref {
  }
}

container object-5 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
}

leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureWhatIsCounted {
  type leafref {
  }
}

container object-6 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }
}

leaf clmgmtLicenseStoreUsed {
  type leafref {
  }
}
leaf clmgmtLicenseIndex {
  type leafref {
  }
}

leaf clmgmtLicenseComments {
  type leafref {
  }
}

notification clmgmtLicenseInstalled {
  description
  "This notification is sent when a license is installed successfully.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.5";

  container object-1 {
    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
      }
    }

    leaf clmgmtLicenseStoreUsed {
      type leafref {
      }
    }

    leaf clmgmtLicenseIndex {
  "..."
type leafref {
}

leaf clmgmtLicenseFeatureName {
    type leafref {
    }
}

container object-2 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseFeatureVersion {
        type leafref {
        }
    }
}
container object-3 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseType {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseType";
        }
    }
}

container object-4 {
    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseType {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseType";
        }
    }
}

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mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseStoreUsed";
}
}

leaf clmgmtLicenseIndex {
  type leafref {
  }
}

leaf clmgmtLicenseComments {
  type leafref {
  }
}

notification clmgmtLicenseCleared {
  description
  "This notification is sent when a license is cleared successfully.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.6";

container object-1 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
    }
  }
}
}
}

leaf clmgmtLicenseFeatureName {
    type leafref {
    }
}

container object-2 {

leaf entPhysicalIndex {
    type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
}

leaf clmgmtLicenseStoreUsed {
    type leafref {
    }
}

leaf clmgmtLicenseIndex {
    type leafref {
    }
}

leaf clmgmtLicenseFeatureVersion {
    type leafref {
    }
}
container object-3 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseStoreUsed";
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseType {
        type leafref {
        }
    }
}

container object-4 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseStoreUsed";
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseType {
        type leafref {
        }
    }
}
leaf clmgmtLicenseIndex {
    type leafref {
    }
    
} leaf clmgmtLicenseComments {
    type leafref {
    }
    
} notification clmgmtLicenseRevoked {
    description
    "This notification is sent when a license is revoked successfully.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.7";

    container object-1 {

        leaf entPhysicalIndex {
            type leafref {
                path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
            }
            
        leaf clmgmtLicenseStoreUsed {
            type leafref {
            }
            
        leaf clmgmtLicenseIndex {
            type leafref {
            }
            
}
leaf clmgmtLicenseFeatureName {
    type leafref {
    }
}

container object-2 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
        }
    }

    leaf clmgmtLicenseFeatureVersion {
        type leafref {
        }
    }
}
container object-3 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/
        cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseStoreUsed";
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/
        cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseIndex";
    }
  }

  leaf clmgmtLicenseType {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/
        cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseType";
    }
  }

container object-4 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseInfoTable/
        cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-mib:clmgmtLicenseStoreUsed";
    }
  }


leaf clmgmtLicenseIndex {
  type leafref {
  }
}

leaf clmgmtLicenseComments {
  type leafref {
  }
}

notification clmgmtLicenseEULAAccepted {
  description
    "This notification is sent when a user accepts End User License Agreement (EULA) for a license.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.8";
  container object-1 {
    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
      }
    }
    leaf clmgmtFeatureIndex {
      type leafref {
      }
    }
    leaf clmgmtFeatureName {
      type leafref {
      }
    }
  }
}
mib:clmgmtFeatureName";
    }
    }
    }

    container object-2 {

      leaf entPhysicalIndex {
        type leafref {
          path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
          mib:entPhysicalIndex";
        }
      }

      leaf clmgmtFeatureIndex {
        type leafref {
          path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
          mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
          mib:clmgmtFeatureIndex";
        }
      }

      leaf clmgmtFeatureVersion {
        type leafref {
          path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
          mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
          mib:clmgmtFeatureVersion";
        }
      }

    }

    notification clmgmtLicenseNotEnforced {
      description
      "This notification is sent when a license does not
        exist for a feature, but the feature is a mandatory
        feature and it should run. This notification will be
        sent out periodically to indicate that there is no
        license installed for this feature and it needs to
        be done as soon as possible.";
      smiv2:oid "1.3.6.1.4.1.9.9.543.0.9";

      container object-1 {

        leaf entPhysicalIndex {
          type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
            mib:entPhysicalIndex";
          }
        }

      }
    }
leaf clmgmtFeatureIndex {
  type leafref {
  }
}

leaf clmgmtFeatureName {
  type leafref {
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
    }
  }

notification clmgmtLicenseSubscriptionExpiryWarning {
description
"This notification is sent when a subscription license of a feature is about to expire. This notification will be sent as per the following schedule:
Once a week for the last eight weeks
Once a day for the last week
Once an hour for the last day"
smiv2:oid "1.3.6.1.4.1.9.9.543.0.10"

container object-1 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureName {
    type leafref {
    }
  }
}

container object-2 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureName {
    type leafref {
    }
  }
}
leaf clmgmtFeatureVersion {
  type leafref {
  }
}

container object-3 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureEndDate {
    type leafref {
    }
  }

notification clmgmtLicenseSubscriptionExtExpiryWarning {
  description
  "This notification is sent when the subscription license end
  date of a feature is reached but extension period is left. This
  notification will be sent once a day after the license end date
  is reached.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.11";
}
container object-1 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }
  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }
  leaf clmgmtFeatureName {
    type leafref {
    }
  }
}

container object-2 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
      mib:entPhysicalIndex";
    }
  }
  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }
  leaf clmgmtFeatureVersion {
    type leafref {
    }
  }
}
type leafref {
}

leaf clmgmtFeatureName {
  type leafref {
  }
}

container object-2 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
    }
  }
}

container object-3 {
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
    }
  }
}

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leaf clmgmtFeatureIndex {
    type leafref {
    }
}

leaf clmgmtFeatureEndDate {
    type leafref {
    }
}

notification clmgmtLicenseEvalRTUTransitionWarning {
    description "This notification is sent when Evaluation to Right to use (RTU) license transition is about to happen. The first notification will be sent 10 days before the transition and second notification will be sent 5 days before the transition."
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.13"
    container object-1 {
        leaf entPhysicalIndex {
            type leafref {
                path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
            }
        }
        leaf clmgmtFeatureIndex {
            type leafref {
            }
        }
        leaf clmgmtFeatureName {
            type leafref {
            }
        }
    }
}
          
        }
      }
    }
  }

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
    }
  }

  container object-3 {

    leaf entPhysicalIndex {
      type leafref {
        path "entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
      }
    }

    leaf clmgmtFeatureIndex {
      type leafref {
      }
    }

    leaf clmgmtFeatureVersion {
      type leafref {
      }
    }


leaf clmgmtFeatureValidityPeriodRemaining {
    type leafref {
    }
}

notification clmgmtLicenseEvalRTUTransition {
    description
    "This notification is sent, when a feature license transitions
    from a evaluation to a Right to use (RTU) license.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.14";
}

container object-1 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";
        }
    }

    leaf clmgmtFeatureIndex {
        type leafref {
        }
    }

    leaf clmgmtFeatureName {
        type leafref {
        }
    }

    container object-2 {

        leaf entPhysicalIndex {
            type leafref {

            }
        }

        leaf clmgmtFeatureIndex {
            type leafref {

            }
        }

        leaf clmgmtFeatureName {
            type leafref {

            }
        }

    }
}
leaf clmgmtFeatureIndex {
  type leaffref {
  }
}

leaf clmgmtFeatureVersion {
  type leaffref {
  }
}

smiv2:alias "ciscoLicenseMgmtMIB" {
  smiv2:oid "1.3.6.1.4.1.9.9.543";
}

smiv2:alias "ciscoLicenseMgmtMIBNotifs" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.0";
}

smiv2:alias "ciscoLicenseMgmtMIBObjects" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1";
}

smiv2:alias "clmgmtLicenseConfiguration" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1";
}

smiv2:alias "clmgmtLicenseInformation" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2";
}

smiv2:alias "clmgmtLicenseDeviceInformation" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3";
}

smiv2:alias "clmgmtLicenseNotifObjects" {
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smiv2:oid "1.3.6.1.4.1.9.9.543.1.4";
}

smiv2:alias "ciscoLicenseMgmtMIBConform" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.2";
}

smiv2:alias "ciscoLicenseMgmtCompliances" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.2.1";
}

smiv2:alias "ciscoLicenseMgmtGroups" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.2.2";
}

-- *********************************************************************
-- CISCO-LICENSE-MGMT-MIB.my: Cisco MIB to manage licenses on
-- Cisco devices
--
-- July 2006, Sunil Gudurvalmiki
--
-- Copyright (c) 2006, 2008, 2011-2012 by Cisco Systems Inc.
-- All rights reserved.
--
-- *********************************************************************

CISCO-LICENSE-MGMT-MIB DEFINITIONS ::= BEGIN

IMPORTS
  OBJECT-TYPE,
  MODULE-IDENTITY,
  Unsigned32,
  NOTIFICATION-TYPE
    FROM SNMPv2-SMI
  MODULE-COMPLIANCE,
  OBJECT-GROUP,
  NOTIFICATION-GROUP
    FROM SNMPv2-CONF
  TEXTUAL-CONVENTION,
  TruthValue,
  RowStatus,
  StorageType,
  DateAndTime
    FROM SNMPv2-TC
  SnmpAdminString
    FROM SNMP-FRAMEWORK-MIB
  entPhysicalIndex,
PhysicalIndexOrZero
  FROM ENTITY-MIB
InetAddressType,
InetAddress
  FROM INET-ADDRESS-MIB
ciscoMgmt
  FROM CISCO-SMI;

ciscoLicenseMgmtMIB MODULE-IDENTITY
LAST-UPDATED "201204190000Z"
ORGANIZATION "Cisco Systems Inc."
CONTACT-INFO
  "Cisco Systems
  Customer Service
  Postal: 170 W Tasman Drive
  San Jose, CA  95134
  USA
  Tel: +1 800 553 -NETS
  E-mail: cs-snmp@cisco.com"
DESCRIPTION
  "The MIB module for managing licenses on the system.
The licensing mechanism provides flexibility to
enforce licensing for various features in the system.

The following text introduces different concepts and
terms those are necessary to understand the MIB definition
and to perform license management.

UDI
  Universal Device Identifier that uniquely identifies a
device. It comprises of product ID, version ID and serial
number of the device.

NODE LOCKED LICENSE:
  Node locked licenses are locked to one of the device
identifiers in the system. For example, the license
can be locked to the UDI value of one of the devices
in the system. Locking a license to an UDI guarantees
that the license will not be moved to a device with a
different UDI.

NON-NODE LOCKED LICENSE:
Non-node locked licenses are not locked to any device identifier. They can be used on other similar devices.

**METERED LICENSE:**
Metered licenses are valid for limited period of time and they expire after that. This period is the usage period of a license and it is not based on real time clock, but system clock.

**EULA:**
End User License Agreement.

**EVALUATION LICENSE:**
Evaluation licenses are non-node locked metered licenses which are valid only for a limited period. They are used only when there are no permanent, extension or grace period licenses for a feature. User will have to accept EULA (End User License Agreement) before using an evaluation license. Even though they are not node locked, their usage is recorded on the device.

**RIGHT TO USE (RTU) LICENSE:**
Right to use license is a non-node locked metered license which is in evaluation mode for a limited time after which it is converted to Right To Use (RTU) license and is valid for the lifetime of the product. User will have to accept EULA (End User License Agreement) before using this license. Even though it is not node locked, usage information is recorded on the device.

**EXTENSION LICENSE:**
Extension licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. User will have to accept an EULA as part of installation of extension license.

**GRACE PERIOD LICENSE:**
Grace period licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal as part of the permission ticket to rehost a license. These licenses are installed on the device as part of the rehost operation. User will have to accept an EULA as part of the rehost operation for this type of license. Details on permission ticket, rehost operations are provided further down in this description clause.
PERMANENT LICENSE:
Permanent licenses are node locked licenses that have no usage period associated with them. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. Once these licenses are installed, they will provide needed permission for the feature/image across different versions.

COUNTED LICENSE:
Counted licenses limit the number of similar entities that can use the license. For example, a counted license when used by a feature can limit the number of IP phones that can connect or the number of tunnels that can be created.

UNCOUNTED LICENSE:
Uncounted licenses do not limit the number of similar entities that can use the licenses.

License can be enforced at the image level or at the feature level and this MIB module supports both.

IMAGE LEVEL LICENSING:
A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems.

FEATURE LEVEL LICENSING:
Feature level licensing will support enforcement of license at individual feature. Features have to check for their licenses before enabling themselves. If it does not have a license, the feature should disable itself.

There is a one-to-one relationship between a feature and a license. That is, a feature can use only one license at a time and a license can be used by only one feature at a time.

LICENSE LINE:
A License line is an atomic set of ASCII characters arranged in a particular format that holds the license for a single feature within it. A line has all the necessary fields and attributes that make it a valid,
non-tamper able and complete license.

LICENSE FILE:
File generated by Cisco licensing portal. It is used to install license on product. It has a user readable part and it contains one or more license lines.

DEVICE CREDENTIALS:
Device credentials file is a document that is generated by a licensed device. This document establishes the identity of the device and proves that the sender/user has/had authorized access to the device.

REHOST:
Rehost operation allows a node locked license that is installed on a device to be installed on other similar device. As part of rehost operation, a device processes the permission ticket, revokes the license(s) on the device and generates a rehost ticket as the proof of revocation. This rehost ticket needs to be presented to the Cisco's licensing portal to get the license transferred on to a new similar device.

PERMISSION TICKET:
Permission ticket is a document generated by Cisco licensing portal that allows a device to rehost its licenses.

REHOST TICKET:
Rehost ticket is document generated by a device after it has applied a permission ticket. The rehost ticket is a proof of revocation.

LICENSING PORTAL:
Generates licenses, permission tickets and verifies device credentials and rehost tickets.

This MIB module provides MIB objects to install, clear, revoke licenses. It also provides objects to regenerate last rehost ticket, backup all the licenses installed on a device, generate & export EULA for licenses.

STEPS TO INSTALL A LICENSE:
To install a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the license file, uses device credentials to identify the device
3. Executes the license install action.

STEPS TO CLEAR A LICENSE:
To clear a license, the management application
1. Identifies the license to be cleared using license index.
2. Executes the license clear action.

STEPS TO REHOST A LICENSE:
To rehost a license, the management application
1. Retrieves device credentials of the device.
2. Communicates with Cisco’s licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the processPermissionTicket action. Device revokes the license and generates rehost ticket to be submitted as proof of revocation.
4. Retrieves device credentials of the device where the license needs to be transferred to.
5. Submits rehost ticket as proof of revocation to Cisco’s licensing portal, uses device credentials of the new device to identify the device, gets license file.
6. Executes the license install action on the new device.

STEPS TO REGENERATE LAST REHOST TICKET:
To regenerate last rehost ticket, the management application
1. Retrieves device credentials of the device.
2. Uses already obtained permission ticket or communicates with Cisco’s licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the regenerateLastRehostTicket action. Device generates rehost ticket to be submitted as proof of revocation.

STEPS TO BACKUP ALL LICENSES:
To backup all licenses installed in the device, the management application
1. Specifies the backup file path.
2. Executes the license backup action.

STEPS TO GENERATE & EXPORT EULA:
To install certain kind of licenses, the management application must accept EULA first. The management application can generate and export EULA for one or
more licenses without installing licenses as follows.
1. Specifies the license file path that has licenses to be installed
2. Specifies the EULA file path where EULA need to be exported to
3. Executes the generate EULA action.

To support the various license actions, this MIB module also defines MIB objects to know if a device supports licensing, retrieve device credentials, retrieve information on license stores in the device.

It also defines MIB objects to expose management information associated with the licenses installed on the device, with the licensable features in the software image.

This MIB module also defines various notifications that will be triggered to asynchronously notify the management application of any critical events.

This MIB module is defined generically so it can be implemented on stand alone devices or stack of devices. In stack of devices, one device in the stack acts as master agent and rest are slave agents. Each device in the stack has its own UDI. The master agent receives requests on behalf of all the devices in the stack including itself and delegates it to other devices as needed. It also collects responses from other devices and sends them to the management application. Examples of such devices include stackable switches, devices with route processor and line cards. On the other hand, stand alone device is a single device and has only one UDI associated with it.

*entPhysicalIndex* imported from ENTITY-MIB is used to identify the device uniquely. It is specified as the index or one of the index for tables in this MIB as needed.”

**REVISION** "201204190000Z"

**DESCRIPTION**

”This version of the MIB adds support for Permanent Right to use (RTU) licensing. The revisions are:
- Updated clmgmtLicenseType object to support the following new types of license:
  - permanentRightToUse

The new module compliance is ciscoLicenseMgmtComplianceRev1.”

**REVISION** "201104190000Z"

**DESCRIPTION**
"This version of the MIB adds support for Right to use (RTU) licensing. The revisions are:
o Added RTU license definition to MIB description above.
o Updated clmgmtLicenseType object to support the following new types of license:
   evalRightToUse
   rightToUse
o Added following objects to clmgmtLicenseInfoTable
   clmgmtLicensePeriodUsed
o Added following objects to clmgmtLicensableFeatureTable
   clmgmtFeaturePeriodUsed
o Added the following notifications
   clmgmtLicenseEvalRTUTransitionWarning
   clmgmtLicenseEvalRTUTransition
o Added the following conformance groups
   clmgmtLicenseRTUGroup
   clmgmtLicenseRTUUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1."
REVISION    "200811210000Z"
DESCRIPTION
"This version of the MIB adds support for subscription licensing. Subscription licenses provide software enforcement for a licensed feature for a fixed calendar period. The revisions are:
o Updated clmgmtLicenseType object to support the following three new types of licenses:
   paidSubscription
   evaluationSubscription
   extensionSubscription
o Added following objects to clmgmtLicenseInfoTable
   clmgmtLicenseStartDate
   clmgmtLicenseEndDate
o Added following objects to clmgmtLicensableFeatureTable
   clmgmtFeatureStartDate
   clmgmtFeatureEndDate
o Added the following notifications
   clmgmtLicenseSubscriptionExpiryWarning
   clmgmtLicenseSubscriptionExtExpiryWarning
   clmgmtLicenseSubscriptionExpired
o Added the following conformance groups
   clmgmtLicenseSubscriptionGroup
   clmgmtLicenseSubscriptionUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1."
REVISION    "200610030000Z"
DESCRIPTION
"Initial version of this MIB module."
::= { ciscoMgmt 543 }
ciscoLicenseMgmtMIBNotifs  OBJECT IDENTIFIER
   ::= { ciscoLicenseMgmtMIB 0 }

ciscoLicenseMgmtMIBObjects  OBJECT IDENTIFIER
   ::= { ciscoLicenseMgmtMIB 1 }

ciscoLicenseMgmtMIBConform  OBJECT IDENTIFIER
   ::= { ciscoLicenseMgmtMIB 2 }

clmgmtLicenseConfiguration  OBJECT IDENTIFIER
   ::= { ciscoLicenseMgmtMIBObjects 1 }

clmgmtLicenseInformation  OBJECT IDENTIFIER
   ::= { ciscoLicenseMgmtMIBObjects 2 }

clmgmtLicenseDeviceInformation  OBJECT IDENTIFIER
   ::= { ciscoLicenseMgmtMIBObjects 3 }

clmgmtLicenseNotifObjects  OBJECT IDENTIFIER
   ::= { ciscoLicenseMgmtMIBObjects 4 }

ClmgmtLicenseIndex ::= TEXTUAL-CONVENTION
   STATUS current
   DESCRIPTION
      "A unique value, for each license in the managed system.
      It is not necessary to have values assigned contiguously.
      The value for each license must remain constant
      at least from one re-initialization of the entity's
      network management system to the next re-initialization"
   SYNTAX Unsigned32 (1..4294967295)

ClmgmtLicenseIndexOrZero ::= TEXTUAL-CONVENTION
   STATUS current
   DESCRIPTION
      "This textual convention is an extension of the ClmgmtLicenseIndex
      convention. The latter defines a greater than zero value
      used to identify a license in the managed system. This
      extension permits the additional value of zero. The value
      zero is object-specific and must therefore be defined as
      part of the description of any object which uses this
      syntax. Examples of the usage of zero might include
      situations where license was not present or unknown."
   SYNTAX Unsigned32

ClmgmtLicenseTransferProtocol ::= TEXTUAL-CONVENTION
STATUS          current
DESCRIPTION
"The transfer protocol that should be used for copying files
when performing license management. When the protocol is
set to local(2), local file system (flash or disk) is used.
Different agents may support different transfer protocols
and the management application is expected to somehow determine
which protocol is supported and use."
SYNTAX          INTEGER  {
none(1),
local(2),
tftp(3),
ftp(4),
rcp(5),
http(6),
scp(7),
sftp(8)
}

ClmgmtLicenseActionState ::= TEXTUAL-CONVENTION
STATUS          current
DESCRIPTION
"The state of license action execution.

none(1)         - action is not yet scheduled to be executed.
pending(2)      - All the required parameters for the action are set and the action is scheduled to be executed.
inProgress(3)   - action execution has started and is in progress.
successful(4)   - action has completed successfully.
partiallySuccessful(5) - action has completed, but was partially successful. Management application can query additional MIB objects to know what is successful and what has failed. These additional objects are listed in the description of the corresponding action tables.
failed(6)        - action has failed."
SYNTAX          INTEGER  {
none(1),

pending(2),
inProgress(3),
successful(4),
partiallySuccessful(5),
failed(6)
}

ClmgmtLicenseActionFailCause ::= TEXTUAL-CONVENTION
  STATUS current
  DESCRIPTION
  "Reason for license action failure. Defines error codes for all the license actions.

  none(1)          - action execution has not started yet. If the action is completed and the action is successful, then also none(1) is returned to indicate that there are no errors.
generalFailure(2) - General licensing failure. This will be used for resource unavailability failures. Ex: Lack of memory.
transferProtocolNotSupported(3) - protocol selected is not supported.
fileServerNotReachable(4) - file server is not reachable.
unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid
invalidLicenseFilePath(6) - The license file path is not accessible.
invalidLicenseFile(7) - Contents of license file are not valid.
invalidLicenseLine(8) - License string in the license file is not valid.
licenseAlreadyExists(9) - Management application is trying to install a license that already exists.
licenseNotValidForDevice(10) - This license is not valid for the device/entPhysicalIndex specified.
invalidLicenseCount(11) - Invalid count for this counted license.
invalidLicensePeriod(12) - Validity period is invalid for this expiring license.
licenseInUse(13) - License file is in use by a feature/image.
invalidLicenseStore(14) - License store is not valid.
licenseStorageFull(15) - There is no more space in the license storage.
invalidPermissionTicketFile(16) - The permission ticket file path is not accessible.
invalidPermissionTicket(17) - The permission ticket file contents are not valid.
invalidRehostTicketFile(18) - The rehost ticket file path is not accessible.
invalidRehostTicket(19) - The rehost ticket file contents are not valid.
invalidLicenseBackupFile(20) - License backup store path is not accessible.
licenseClearInProgress(21) - When license clear action is in progress, license backup action is not permitted to avoid race conditions. This error code is sent back in response to a license backup action when a license clear action is in progress or in pending state. Try again in few seconds.
invalidLicenseEULAFile(22) - EULA file path is not accessible.

SYNTAX INTEGER {
  none(1),
  generalFailure(2),
  transferProtocolNotSupported(3),
  fileServerNotReachable(4),
  unrecognizedEntPhysicalIndex(5),
  invalidLicenseFilePath(6),
  invalidLicenseFile(7),
  invalidLicenseLine(8),
  licenseAlreadyExists(9),
  licenseNotValidForDevice(10),
  invalidLicenseCount(11),
  invalidLicensePeriod(12),
  licenseInUse(13),
  invalidLicenseStore(14),
  licenseStorageFull(15),
  invalidPermissionTicketFile(16),
  invalidPermissionTicket(17),
  invalidRehostTicketFile(18),
  invalidRehostTicket(19),
  invalidLicenseBackupFile(20),
  licenseClearInProgress(21),
  invalidLicenseEULAFile(22)
}
clmgmtNextFreeLicenseActionIndex OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object contains appropriate value for clmgmtLicenseActionIndex that can be used to create an entry in clmgmtLicenseActionTable. The management application should read this object first and then use this as the value for clmgmtLicenseActionIndex to avoid collisions when creating entries in clmgmtLicenseActionTable. Following this approach does not guarantee collision free row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated."
::= { clmgmtLicenseConfiguration 1 }
-- Table for executing license management actions.

clmgmtLicenseActionTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseActionEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"A table for invoking license management actions. Management application must create a row in this table to trigger any of the license management actions. The following are different actions that can be executed using this table.
1. install
2. clear
3. processPermissionTicket
4. regenerateLastRehostTicket
5. backup
6. generateEULA

Refer to the description of clmgmtLicenseAction for more information on what these actions do on the device. Once the request completes, the management application should retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion."
::= { clmgmtLicenseConfiguration 2 }

clmgmtLicenseActionEntry OBJECT-TYPE
SYNTAX ClmgmtLicenseActionEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry for each action that is being executed or was executed recently. The management application executes an action by creating this entry. This can be done in the following 2 methods

1. CREATE-AND-GO method
   Management application sets clmgmtLicenseActionRowStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

2. CREATE-AND-WAIT method
   Management application sets clmgmtLicenseActionRowStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtLicenseActionRowStatus to active(1).

To stop the action from being executed, the management application can delete the entry by setting clmgmtLicenseActionRowStatus to destroy(6) when clmgmtLicenseActionState is pending(2).

The status of action execution can be known by querying clmgmtLicenseActionState. If the action is still in pending(2) or in inProgress(3) state, the management application need to check back again after few seconds. Once the action completes and status of the action is failed(6), the reason for failure can be retrieved from clmgmtLicenseActionFailCause. If the status of the action is partiallySuccessful(5), results of individual licenses can be queried from clmgmtLicenseActionResultTable.

Not all objects in the entry are needed to execute every action. Below is the list of actions and the required objects that are needed to be set for executing that
1. Installing a license
   The following MIB objects need to be set for installing a license
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicenseFile
   g. clmgmtLicenseStore
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAcceptEULA
   j. clmgmtLicenseAction

   clmgmtLicenseActionEntPhysicalIndex need not be set explicitly for license installs. License itself identifies the device where the license needs to be installed.

   clmgmtLicenseStore need to be set to store the licenses in a non-default license store. But, if a license file has more than one license and licenses need to be installed on multiple devices (for example to multiple members within a stack), then value of clmgmtLicenseStore is ignored and the licenses will be installed in default license stores of the respective devices.

2. Clearing a license
   The following MIB objects need to be set for clearing a license
   a. clmgmtLicenseActionEntPhysicalIndex
   b. clmgmtLicenseActionLicenseIndex
   c. clmgmtLicenseStore
   d. clmgmtLicenseAction

3. Revoking a license
   The following MIB objects need to be set for revoking a license
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicensePermissionTicketFile
   g. clmgmtLicenseRehostTicketFile
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAction
4. Regenerate last rehost ticket
   The following MIB objects need to be set for regenerating last rehost ticket
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicensePermissionTicketFile
   g. clmgmtLicenseRehostTicketFile
   h. clmgmtLicenseStopOnFailure
   i. clmgmtLicenseAction

5. Save all licenses to a backup storage
   The following MIB objects need to be set for storing all licenses to a backup store
   a. clmgmtLicenseActionEntPhysicalIndex
   b. clmgmtLicenseActionTransferProtocol
   c. clmgmtLicenseServerAddressType
   d. clmgmtLicenseServerAddress
   e. clmgmtLicenseServerUsername
   f. clmgmtLicenseServerPassword
   g. clmgmtLicenseBackupFile
   h. clmgmtLicenseAction

6. Generate and export EULA if the licenses need EULA to be accepted for installing.
   The following MIB objects need to be set exporting required EULAs
   a. clmgmtLicenseActionTransferProtocol
   b. clmgmtLicenseServerAddressType
   c. clmgmtLicenseServerAddress
   d. clmgmtLicenseServerUsername
   e. clmgmtLicenseServerPassword
   f. clmgmtLicenseFile
   g. clmgmtLicenseEULAFile
   h. clmgmtLicenseAction

   For any action, if clmgmtLicenseActionTransferProtocol is set to local(2), the following objects need not be set.
   a. clmgmtLicenseServerAddressType
   b. clmgmtLicenseServerAddress
   c. clmgmtLicenseServerUsername
   d. clmgmtLicenseServerPassword

   Entry can be deleted except when clmgmtLicenseAction is set
to pending(2). All entries are volatile and are cleared on agent reset.”

INDEX { clmgmtLicenseActionIndex }
::= { clmgmtLicenseActionTable 1 }

ClmgmtLicenseActionEntry ::= SEQUENCE {
  clmgmtLicenseActionIndex            Unsigned32,
  clmgmtLicenseActionEntPhysicalIndex PhysicalIndexOrZero,
  clmgmtLicenseActionTransferProtocol ClmgmtLicenseTransferProtocol,
  clmgmtLicenseServerAddressType      InetAddressType,
  clmgmtLicenseServerAddress          InetAddress,
  clmgmtLicenseServerUsername         SnmpAdminString,
  clmgmtLicenseServerPassword         SnmpAdminString,
  clmgmtLicenseFile                   SnmpAdminString,
  clmgmtLicenseStore                  Unsigned32,
  clmgmtLicenseActionLicenseIndex     ClmgmtLicenseIndexOrZero,
  clmgmtLicensePermissionTicketFile   SnmpAdminString,
  clmgmtLicenseRehostTicketFile       SnmpAdminString,
  clmgmtLicenseBackupFile             SnmpAdminString,
  clmgmtLicenseStopOnFailure          TruthValue,
  clmgmtLicenseAction                 INTEGER,
  clmgmtLicenseActionState            ClmgmtLicenseActionState,
  clmgmtLicenseJobQPosition           Unsigned32,
  clmgmtLicenseActionFailCause        ClmgmtLicenseActionFailCause,
  clmgmtLicenseActionStorageType      StorageType,
  clmgmtLicenseActionRowStatus        RowStatus,
  clmgmtLicenseAcceptEULA             TruthValue,
  clmgmtLicenseEULAFiler              SnmpAdminString
}

clmgmtLicenseActionIndex OBJECT-TYPE
SYNTAX             Unsigned32 (1..4294967295)
MAX-ACCESS          not-accessible
STATUS              current
DESCRIPTION
  "This object uniquely identifies a row in clmgmtLicenseActionTable. The management application should choose this value by reading clmgmtNextFreeLicenseActionIndex while creating an entry in this table. If an entry already exists with this index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeLicenseActionIndex again and retry with the new value for this object."
::= { clmgmtLicenseActionEntry 1 }

clmgmtLicenseActionEntPhysicalIndex OBJECT-TYPE
SYNTAX              PhysicalIndexOrZero
MAX-ACCESS          read-create
STATUS current

DESCRIPTION
"This object represents the entPhysicalIndex of the device where the action is being executed. This object is mainly used in devices where one device is acting as a master and rest of the devices as slaves. The master device is responsible for SNMP communication with the management application. Examples include stackable switches, devices with route processor and line card configuration. If this object is not set, the license action will be executed on the master device. Note: This object need not be set if there is a stand alone device"
DEFVAL { 0 }
::= { clmgmtLicenseActionEntry 2 }

clmgmtLicenseActionTransferProtocol OBJECT-TYPE
SYNTAX ClmgmtLicenseTransferProtocol
MAX-ACCESS read-create
STATUS current

DESCRIPTION
"This object represents the transfer protocol to be used when copying files as specified in the following objects.
1. clmgmtLicenseFile
2. clmgmtLicensePermissionTicketFile
3. clmgmtLicenseRehostTicketFile
4. clmgmtLicenseBackupFile

Note: This object need not be set if the all the files required for the action are in device's local file system."
DEFVAL { none }
::= { clmgmtLicenseActionEntry 3 }

clmgmtLicenseServerAddressType OBJECT-TYPE
SYNTAX InetAddressType
MAX-ACCESS read-create
STATUS current

DESCRIPTION
"This object indicates the transport type of the address contained in clmgmtLicenseServerAddress object. This must be set when clmgmtLicenseActionTransferProtocol is not none(1) or local(2)."
DEFVAL { unknown }
::= { clmgmtLicenseActionEntry 4 }

clmgmtLicenseServerAddress OBJECT-TYPE
SYNTAX InetAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"This object indicates the ip address of the server from which the files must be read or written to if clmgmtLicenseActionTransferProtocol is not none(1) or local(2).

All bits as 0s or 1s for clmgmtLicenseServerAddress are not allowed.

The format of this address depends on the value of the clmgmtLicenseServerAddressType object"

DEFVAL        { "" }
 ::= { clmgmtLicenseActionEntry 5 }

clmgmtLicenseServerUsername OBJECT-TYPE
 SYNTAX SnmpAdminString (SIZE (0..96))
 MAX-ACCESS read-create
 STATUS     current
 DESCRIPTION
 "This object indicates the remote user name for accessing files via ftp, rcp, sftp or scp protocols. This object must be set when the clmgmtLicenseActionTransferProtocol is ftp(4), rcp(5), scp(7) or sftp(8). If clmgmtLicenseActionTransferProtocol is rcp(5), the remote username is sent as the server username in an rcp command request sent by the system to a remote rcp server."

DEFVAL        { "" }
 ::= { clmgmtLicenseActionEntry 6 }

clmgmtLicenseServerPassword OBJECT-TYPE
 SYNTAX SnmpAdminString (SIZE (0..96))
 MAX-ACCESS read-create
 STATUS     current
 DESCRIPTION
 "This object indicates the password used by ftp, sftp or scp for copying a file to/from an ftp/sftp/scp server. This object must be set when the clmgmtLicenseActionTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons."

DEFVAL        { "" }
 ::= { clmgmtLicenseActionEntry 7 }

clmgmtLicenseFile OBJECT-TYPE
 SYNTAX SnmpAdminString (SIZE (0..255))
 MAX-ACCESS read-create
 STATUS     current
 DESCRIPTION
"This object represents the location of the license file on the server identified by clmgmtLicenseServerAddress. This object MUST be set to a valid value before or concurrently with setting the value of the clmgmtLicenseAction object to install(2). For other operations, the value of this object is not considered, it is irrelevant."

DEFVAL          { "" } ::= { clmgmtLicenseActionEntry 8 }

clmgmtLicenseStore OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
  "This object represents the clmgmtLicenseStoreIndex of the license store to use within the device. The license store can be a local disk or flash. A device can have more than one license stores. If this object is not set, the license will be stored in the default license store as exposed by clmgmtDefaultLicenseStore object."

DEFVAL          { 0 } ::= { clmgmtLicenseActionEntry 9 }

clmgmtLicenseActionLicenseIndex OBJECT-TYPE
SYNTAX          ClmgmtLicenseIndexOrZero
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
  "This object indicates the the license index of the license that is the subject of this action. This is used for identifying a license for performing actions specific to that license. This object need to be set only if clmgmtLicenseAction is set to clear(4). The value of this object is same as the clmgmtLicenseIndex object in clmgmtLicenseInfoEntry for license that is subject of this action."

DEFVAL          { 0 } ::= { clmgmtLicenseActionEntry 10 }

clmgmtLicensePermissionTicketFile OBJECT-TYPE
SYNTAX          SnmpAdminString (SIZE  (0..255))
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
  "This object indicates the file name of the permission ticket. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions. The permission
ticket is obtained from Cisco licensing portal to revoke a license. The management application must set this object to valid value before invoking the action."

DEFVAL  \{ "" \}
::= \{ clmgmtLicenseActionEntry 11 \}

clmgmtLicenseRehostTicketFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the file where the rehost ticket generated by the device need to be exported to. The rehost ticket is generated as a result of processPermissionTicket and regenerateLastRehostTicket actions. After generating the rehost ticket, the device exports the rehost ticket contents to this file. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions."

DEFVAL  \{ "" \}
::= \{ clmgmtLicenseActionEntry 12 \}

clmgmtLicenseBackupFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the file where all the licenses in the device need to be backed up. This object need to be set only if clmgmtLicenseAction is set to backup(6) and the management application must set the value of this object to valid value before invoking action."

DEFVAL  \{ "" \}
::= \{ clmgmtLicenseActionEntry 13 \}

clmgmtLicenseStopOnFailure OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates whether the license action should stop if the action on a license fails. This object is applicable only if there are more than one licenses involved in an action."

DEFVAL  \{ false \}
::= \{ clmgmtLicenseActionEntry 14 \}

clmgmtLicenseAction OBJECT-TYPE
SYNTAX          INTEGER  {  
    noOp(1),  
    install(2),  
    clear(3),  
    processPermissionTicket(4),  
    regenerateLastRehostTicket(5),  
    backup(6),  
    generateEULA(7)  
 }  
MAX-ACCESS      read-create  
STATUS          current  
DESCRIPTION  
"This object indicates the command/action to be executed.  

<table>
<thead>
<tr>
<th>Command</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>noOp(1)</td>
<td>No operation will be performed.</td>
</tr>
<tr>
<td>install(2)</td>
<td>Installs the license.</td>
</tr>
<tr>
<td>clear(3)</td>
<td>Clears the license.</td>
</tr>
<tr>
<td>processPermissionTicket(4)</td>
<td>Processes the permission ticket and generates and exports rehost ticket.</td>
</tr>
<tr>
<td>regenerateLastRehostTicket(5)</td>
<td>Generates and exports the last generated rehost ticket.</td>
</tr>
<tr>
<td>backup(6)</td>
<td>Backs up all the licenses installed currently onto a backup store.</td>
</tr>
</tbody>
</table>
| generateEULA(7)                 | Checks whether the licenses in the license file need EULA acceptance and uploads the needed EULA contents to a file."  

DEFVAL          { noOp }  
::= { clmgmtLicenseActionEntry 15 }  

clmgmtLicenseActionState OBJECT-TYPE  
SYNTAX          ClmgmtLicenseActionState  
MAX-ACCESS      read-only  
STATUS          current  
DESCRIPTION  
"This object indicates the state of this license action."
clmgmtLicenseJobQPosition OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object represents the position of the action in the license action job queue that is maintained internally. Only actions in pending(2) state will be put in the queue until they are executed. By reading this object, the management application can make intelligent decision on whether to execute another action that it is planning on. For example, if there is already a license clear action in the queue in pending(2) state, management application can choose to defer its license back up action to a later time. This object will return a value of 0 if the action is not in pending(2) state."

clmgmtLicenseActionFailCause OBJECT-TYPE
SYNTAX ClmgmtLicenseActionFailCause
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the reason for this license action failure. The value of this object is valid only when clmgmtLicenseActionState is failed(6)."

clmgmtLicenseActionStorageType OBJECT-TYPE
SYNTAX StorageType
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."

DEFVAL { volatile }

clmgmtLicenseActionRowStatus OBJECT-TYPE
SYNTAX RowStatus
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the the status of this table entry."
Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtLicenseConfigCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row. It is recommended that the management application should delete entries in this table after reading the result. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion

 ::= { clmgmtLicenseActionEntry 20 }

clmgmtLicenseAcceptEULA OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates whether the End User License Agreement needed for installing the licenses is accepted.

true(1) - EULA is read and accepted
false(2) - EULA is not accepted

Management application should set this object to true(1) when installing licenses that need EULA acceptance."
DEFVAL { false }
 ::= { clmgmtLicenseActionEntry 21 }

clmgmtLicenseEULAFile OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This object indicates the file where all the End User License Agreements (EULAs) need to be exported to. This object need to be set only if clmgmtLicenseAction is set to generateEULA(7) and the management application must set the value of this object to valid value before invoking action."
DEFVAL { "" }
 ::= { clmgmtLicenseActionEntry 22 }

-- License action results table.

clmgmtLicenseActionResultTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseActionResultEntry
MAX-ACCESS not-accessible
This table contains results of license action if the license action involves multiple licenses. Entries in this table are not created for actions where there is only license that is subject of the action. For example, if there are 3 licenses in a license file when executing license install action, 3 entries will be created in this table, one for each license.

\[
\text{clmgmtLicenseActionResultEntry OBJECT-TYPE}
\]
\[
\text{SYNTAX ClmgmtLicenseActionResultEntry}
\]
\[
\text{MAX-ACCESS not-accessible}
\]
\[
\text{STATUS current}
\]
\[
\text{DESCRIPTION}
\]
"An entry in clmgmtLicenseActionResultTable. Each entry contains result of the action for a single license. These entries are created immediately after action execution when the action involves multiple licenses. These entries get automatically deleted when the corresponding entry in clmgmtLicenseActionTable is deleted."

\[
\text{INDEX } \{ \\
\text{ clmgmtLicenseActionIndex,} \\
\text{ clmgmtLicenseNumber } \\
\}
\]
\[
\text{::= } \{ \text{clmgmtLicenseActionResultTable 1 } \}
\]

\[
\text{ClmgmtLicenseActionResultEntry ::= SEQUENCE } \{ \\
\text{ clmgmtLicenseNumber Unsigned32,} \\
\text{ clmgmtLicenseIndivActionState ClmgmtLicenseActionState,} \\
\text{ clmgmtLicenseIndivActionFailCause ClmgmtLicenseActionFailCause } \\
\}
\]

\[
\text{clmgmtLicenseNumber OBJECT-TYPE}
\]
\[
\text{SYNTAX Unsigned32 (1..4294967295)}
\]
\[
\text{MAX-ACCESS not-accessible}
\]
\[
\text{STATUS current}
\]
\[
\text{DESCRIPTION}
\]
"This object indicates the sequence number of this license in the list of licenses on which the action is executed. For example, if there are 3 licenses in a license file when executing license install action, this object will have values 1, 2 and 3 respectively as ordered in the license file."

\[
\text{::= } \{ \text{clmgmtLicenseActionResultEntry 1 } \}
\]
**clmgmtLicenseIndivActionState** OBJECT-TYPE
SYNTAX ClmgmtLicenseActionState
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the state of action on this individual license."
::= { clmgmtLicenseActionResultEntry 2 }

**clmgmtLicenseIndivActionFailCause** OBJECT-TYPE
SYNTAX ClmgmtLicenseActionFailCause
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the reason for action failure on this individual license"
::= { clmgmtLicenseActionResultEntry 3 }

-- License Store Info Table

**clmgmtLicenseStoreInfoTable** OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseStoreInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This table contains information about all the license stores allocated on the device."
::= { clmgmtLicenseInformation 1 }

**clmgmtLicenseStoreInfoEntry** OBJECT-TYPE
SYNTAX ClmgmtLicenseStoreInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in clmgmtLicenseStoreInfoTable. Each entry contains information about a license store allocated on the device"
INDEX {
    clmgmtLicenseStoreIndex
}
::= { clmgmtLicenseStoreInfoTable 1 }

ClmgmtLicenseStoreInfoEntry ::= SEQUENCE {
    clmgmtLicenseStoreIndex Unsigned32,
    clmgmtLicenseStoreName SnmpAdminString,
    clmgmtLicenseStoreTotalSize Unsigned32,
clmgmtLicenseStoreIndex OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This object uniquely identifies a license store within the device."
::= { clmgmtLicenseStoreInfoEntry 1 }

clmgmtLicenseStoreName OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..255))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the name of the license store within the device. It is a file in device's local file system i.e., either on a local disk or flash or some other storage media. For example, the value of this object can be 'disk1:lic_store_1.txt' or 'flash:lic_store_2.txt"
::= { clmgmtLicenseStoreInfoEntry 2 }

clmgmtLicenseStoreTotalSize OBJECT-TYPE
SYNTAX Unsigned32
UNITS "bytes"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the total number of bytes that are allocated to the license store."
::= { clmgmtLicenseStoreInfoEntry 3 }

clmgmtLicenseStoreSizeRemaining OBJECT-TYPE
SYNTAX Unsigned32
UNITS "bytes"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the number of bytes still remaining to be used for new license installations in the license store."
::= { clmgmtLicenseStoreInfoEntry 4 }

-- License Device Info Table
clmgmtLicenseDeviceInfoTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseDeviceInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"This table contains objects that provide licensing related
information at the device level. Entries will exist
only for entities that support licensing. For example,
if it is a stand alone device and supports licensing,
then there will be only one entry in this table. If
it is stackable switch then there will be multiple
entries with one entry for each device in the stack."
::= { clmgmtLicenseInformation 2 }

clmgmtLicenseDeviceInfoEntry OBJECT-TYPE
SYNTAX ClmgmtLicenseDeviceInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in clmgmtLicenseDeviceInfoTable. Each entry
contains device level licensing information for a device."
INDEX { entPhysicalIndex }
::= { clmgmtLicenseDeviceInfoTable 1 }

ClmgmtLicenseDeviceInfoEntry ::= SEQUENCE {
    clmgmtDefaultLicenseStore Unsigned32
}

clmgmtDefaultLicenseStore OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the clmgmtLicenseStoreIndex of
default store in the device. There will be only one
default license store per device. If no license store
is specified during license install, this default license
store will be used."
::= { clmgmtLicenseDeviceInfoEntry 1 }

-- License Info Table

clmgmtLicenseInfoTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicenseInfoEntry
MAX-ACCESS not-accessible
STATUS current

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6726
DESCRIPTION
"This table contains information about all the licenses installed on the device."
 ::= { clmgmtLicenseInformation 3 }

clmgmtLicenseInfoEntry OBJECT-TYPE
SYNTAX ClmgmtLicenseInfoEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in clmgmtLicenseInfoTable. Each entry contains information about a license installed on the device. This entry gets created when a license is installed successfully. Management application can not create these entries directly, but will do so indirectly by executing license install action. Some of these entries may already exist that correspond to demo licenses even before management application installs any licenses."
INDEX {
  entPhysicalIndex,
  clmgmtLicenseStoreUsed,
  clmgmtLicenseIndex
}
 ::= { clmgmtLicenseInfoTable 1 }

ClmgmtLicenseInfoEntry ::= SEQUENCE {
  clmgmtLicenseStoreUsed     Unsigned32,
  clmgmtLicenseIndex         ClmgmtLicenseIndex,
  clmgmtLicenseFeatureName   SnmpAdminString,
  clmgmtLicenseFeatureVersion SnmpAdminString,
  clmgmtLicenseType          INTEGER,
  clmgmtLicenseCounted       TruthValue,
  clmgmtLicenseValidityPeriod Unsigned32,
  clmgmtLicenseValidityPeriodRemaining Unsigned32,
  clmgmtLicenseExpiredPeriod Unsigned32,
  clmgmtLicenseMaxUsageCount Unsigned32,
  clmgmtLicenseUsageCountRemaining Unsigned32,
  clmgmtLicenseEULAStatus    TruthValue,
  clmgmtLicenseComments      SnmpAdminString,
  clmgmtLicenseStatus        INTEGER,
  clmgmtLicenseStartDate     DateAndTime,
  clmgmtLicenseEndDate       DateAndTime,
  clmgmtLicensePeriodUsed    Unsigned32
}

clmgmtLicenseStoreUsed OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS not-accessible
STATUS current

DESCRIPTION
"This object represents the license store that is used for storing this license. This object will have the same value as clmgmtLicenseStoreIndex in clmgmtLicenseStoreInfoEntry of the license store used."
::= { clmgmtLicenseInfoEntry 1 }

clmgmtLicenseIndex OBJECT-TYPE
SYNTAX ClmgmtLicenseIndex
MAX-ACCESS not-accessible
STATUS current

DESCRIPTION
"This object uniquely identifies a license within the device."
::= { clmgmtLicenseInfoEntry 2 }

clmgmtLicenseFeatureName OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..128))
MAX-ACCESS read-only
STATUS current

DESCRIPTION
"This object indicates the name of the feature that is using or can use this license. A license can be used by only one feature. Examples of feature name are: 'IPBASE', 'ADVIPSERVICE'."
::= { clmgmtLicenseInfoEntry 3 }

clmgmtLicenseFeatureVersion OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..128))
MAX-ACCESS read-only
STATUS current

DESCRIPTION
"This object indicates the version of the feature that is using or can use this license. Examples of feature version are: '1.0', '2.0'"
::= { clmgmtLicenseInfoEntry 4 }

clmgmtLicenseType OBJECT-TYPE
SYNTAX INTEGER {
  demo(1),
  extension(2),
  gracePeriod(3),
  permanent(4),
  paidSubscription(5),
  evaluationSubscription(6),
  extensionSubscription(7),
  evalRightToUse(8),
  ...}
rightToUse(9),
permanentRightToUse(10)
}
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION
"This object identifies type of license. Licenses may have
validity period defined in terms of time duration that the
license is valid for or it may be defined in terms of actual
calendar dates. Subscription licenses are licenses that have
validity period defined in terms of calendar dates.
demo(1)        - demo(evaluation license) license.
extension(2)   - Extension(expiring) license.
gracePeriod(3) - Grace period license.
permanent(4)   - permanent license, the license has no
expiry date.
paidSubscription(5) - Paid subscription licenses are the
licenses
which are purchased by customers. These
licenses have a start date and end date
associated with them.
evaluationSubscription(6)-Evaluation subscription licenses are
the trial licenses. These licenses
are node locked and it can be obtained
only once for an UDI. They are valid
based on calendar days. These licenses
have a start date and an end date
associated with them and are issued
once per UDI.
extensionSubscription(7)- Extension subscription licenses are
similar to evaluation subscription
licenses but these licenses are issued
based on customer request. There are
no restrictions on the number of
licenses available for a UDI.
evalRightToUse(8) - Evaluation Right to use (RTU)
license.
rightToUse(9)   - Right to use (RTU) license.
permanentRightToUse(10) - Right To Use license right after it is configured
and is valid for the lifetime of the product.
This is a Right To Use license which is not in
evaluation mode for a limited time."

::= { clmgmtLicenseInfoEntry 5 }

clmgmtLicenseCounted OBJECT-TYPE
SYNTAX           TruthValue
MAX-ACCESS  read-only
STATUS        current
DESCRIPTION   
"This object indicates whether the license is counted license.
true(1) - counted license
false(2) - uncounted license"
::= { clmgmtLicenseInfoEntry 6 }

clmgmtLicenseValidityPeriod OBJECT-TYPE
SYNTAX        Unsigned32
UNITS         "seconds"
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION   
"This object indicates the time period the license is valid for.
This object is applicable only if clmgmtLicenseType is demo(1),
or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will return 0 for other license types."
::= { clmgmtLicenseInfoEntry 7 }

clmgmtLicenseValidityPeriodRemaining OBJECT-TYPE
SYNTAX        Unsigned32
UNITS         "seconds"
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION   
"This object indicates the time period remaining before the license expires or transitions to rightToUse(9) license. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will contain 0 for other license types."
::= { clmgmtLicenseInfoEntry 8 }

clmgmtLicenseExpiredPeriod OBJECT-TYPE
SYNTAX        Unsigned32
UNITS         "seconds"
MAX-ACCESS    read-only
STATUS        current
DESCRIPTION   
"This object indicates the elapsed time period since the license expired. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3). Also, this value of this object will be valid only after the license expires. The object will return 0 for other license types or before the license expiry."
::= { clmgmtLicenseInfoEntry 9 }
clmgmtLicenseMaxUsageCount OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
    "This object indicates the maximum number of entities that can use this license. This object is applicable only if clmgmtLicenseCounted is true(1). The entity that is being counted can be anything and it depends on the licensable feature."
 ::= { clmgmtLicenseInfoEntry 10 }

clmgmtLicenseUsageCountRemaining OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
    "This object indicates the number of entities that can still use this license. This object is applicable only if clmgmtLicenseCounted is true(1)."
 ::= { clmgmtLicenseInfoEntry 11 }

clmgmtLicenseEULAStatus OBJECT-TYPE
SYNTAX          TruthValue
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
    "This object indicates whether the user accepted End User License Agreement for this license.
    true(1)  - EULA accepted
    false(2) - EULA not accepted"
 ::= { clmgmtLicenseInfoEntry 12 }

clmgmtLicenseComments OBJECT-TYPE
SYNTAX          SnmpAdminString (SIZE (0..255))
MAX-ACCESS      read-write
STATUS          current
DESCRIPTION
    "This object represents the user modifiable comments about the license. This object is initially populated with comments from the license file."
 ::= { clmgmtLicenseInfoEntry 13 }

clmgmtLicenseStatus OBJECT-TYPE
SYNTAX          INTEGER  {
inactive(1),
notInUse(2),
inUse(3),
expiredInUse(4),
expiredNotInUse(5),
usageCountConsumed(6)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object represents status of the license.
inactive(1) - license is installed, but not active.
notInUse(2) - license is installed and available for use.
inUse(3) - the license is being used (by a feature).
expiredInUse(4) - license is expired but still being held by the feature.
expiredNotInUse(5) - license is expired and not being held by any feature.
usageCountConsumed(6) - number of entities using this license has reached the allowed limit, no new entities are allowed to use this license."
::= { clmgmtLicenseInfoEntry 14 }

clmgmtLicenseStartDate OBJECT-TYPE
SYNTAX DateAndTime
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the start date for a subscription license. It is optional for subscription licenses to have a start date associated with them, they may only have an end date associated with them. This object may be applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable."
::= { clmgmtLicenseInfoEntry 15 }

clmgmtLicenseEndDate OBJECT-TYPE
SYNTAX DateAndTime
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the end date for a subscription license. This object is applicable only when clmgmtLicenseType is
paidSubscription(5), evaluationSubscription(6) or extensionSubscription(7). The object will contain an octet string of length 0 when it is not applicable.

::= { clmgmtLicenseInfoEntry 16 }

clmgmtLicensePeriodUsed OBJECT-TYPE
SYNTAX Unsigned32
UNITS "seconds"
MAX-ACCESS read-only
STATUS current
DESCRIPTION "This object indicates the time period used for the Right to use (RTU) licenses. This object is applicable for all RTU licenses."
::= { clmgmtLicenseInfoEntry 17 }

-- Licensable features information table.

clmgmtLicensableFeatureTable OBJECT-TYPE
SYNTAX SEQUENCE OF ClmgmtLicensableFeatureEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "This table contains list of licensable features in the image. All the licensable features will have an entry each in this table irrespective of whether they are using any licenses currently. Entries in this table are created by the agent one for each licensable feature in the image. These entries remain in the table permanently and can not be deleted. Management application can not create or delete entries from this table."
::= { clmgmtLicenseInformation 4 }

clmgmtLicensableFeatureEntry OBJECT-TYPE
SYNTAX ClmgmtLicensableFeatureEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION "An entry in clmgmtLicensableFeatureTable. Each entry represents a licensable feature."
INDEX {
    entPhysicalIndex, clmgmtFeatureIndex
}
::= { clmgmtLicensableFeatureTable 1 }

ClmgmtLicensableFeatureEntry ::= SEQUENCE {

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6733
clmgmtFeatureIndex  Unsigned32,
clmgmtFeatureName  SnmpAdminString,
clmgmtFeatureVersion  SnmpAdminString,
clmgmtFeatureValidityPeriodRemaining  Unsigned32,
clmgmtFeatureWhatIsCounted  SnmpAdminString,
clmgmtFeatureStartDate  DateAndTime,
clmgmtFeatureEndDate  DateAndTime,
clmgmtFeaturePeriodUsed  Unsigned32
}

clmgmtFeatureIndex OBJECT-TYPE
SYNTAX             Unsigned32 (1..4294967295)
MAX-ACCESS         not-accessible
STATUS             current
DESCRIPTION
"This object uniquely identifies a licensable feature in
the device."
 ::= { clmgmtLicensableFeatureEntry 1 }

clmgmtFeatureName OBJECT-TYPE
SYNTAX             SnmpAdminString (SIZE  (0..128))
MAX-ACCESS         read-only
STATUS             current
DESCRIPTION
"This object indicates the name of the licensable feature
in the device. Examples of feature names are: 'IPBASE',
'ADVIPSERVICE'"
 ::= { clmgmtLicensableFeatureEntry 2 }

clmgmtFeatureVersion OBJECT-TYPE
SYNTAX             SnmpAdminString (SIZE  (0..32))
MAX-ACCESS         read-only
STATUS             current
DESCRIPTION
"This object indicates the version of the licensable
feature in the device. Examples of feature versions
are: '1.0' or '2.0'"
 ::= { clmgmtLicensableFeatureEntry 3 }

clmgmtFeatureValidityPeriodRemaining OBJECT-TYPE
SYNTAX             Unsigned32
UNITS              "seconds"
MAX-ACCESS         read-only
STATUS             current
DESCRIPTION
"This object indicates the time period remaining before
the feature's license expires or transitions. This object is
applicable only if clmgmtLicenseType of the license used by
this feature is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8).

The object will contain 0 if other types of license is used or if the feature does not use any license. If the feature is using multiple licenses, this period will represent the cumulative period remaining from all the licenses used by this feature.”

::= { clmgmtLicensableFeatureEntry 4 }

clmgmtFeatureWhatIsCounted OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..128))
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object represents the entity that is being counted by this feature. Examples of entities are IP Phones, number of sessions etc. This object is only applicable for features that use counting licenses. For other features, this object will return empty string.”

::= { clmgmtLicensableFeatureEntry 5 }

clmgmtFeatureStartDate OBJECT-TYPE
SYNTAX DateAndTime
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the license start date of the feature. This object is applicable if at least one of the licenses used for this feature has a valid start date. The start date will be the earliest of the valid start dates of all the licenses used for this feature. If none of the licenses used for this feature have a valid start date then this object will contain an octet string of length 0.”

::= { clmgmtLicensableFeatureEntry 6 }

clmgmtFeatureEndDate OBJECT-TYPE
SYNTAX DateAndTime
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the license end date of the feature. This object is applicable if at least one of the licenses used for this feature has a valid end date. The end date will be the latest of the valid end dates of all the licenses used for this feature. If none of the licenses used for this feature have a valid end date then this object will contain an octet string of length 0.”
clmgmtFeaturePeriodUsed OBJECT-TYPE
SYNTAX          Unsigned32
UNITS           "seconds"
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object indicates the license period used for the feature."

::= { clmgmtLicensableFeatureEntry 7 }

-- MIB objects for exporting device credentials

clmgmtNextFreeDevCredExportActionIndex OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
   "This object contains appropriate value for
   clmgmtDevCredExportActionIndex that can be used to create
   an entry in clmgmtDevCredExportActionTable. The management
   application should read this object first and then use this
   as the value for clmgmtDevCredExportActionIndex to avoid
   collisions when creating entries in
   clmgmtDevCredExportActionTable. Following this approach does
   not guarantee collision free row creation, but will reduce
   the probability. The collision will happen if two
   management applications read this object at the same time and
   attempt to create an entry with this value at the same time.
   In this case, the management application whose request is
   processed after the first request will get an error and the
   process of reading this object and entry creation needs to be
   repeated."
::= { clmgmtLicenseDeviceInformation 1 }

-- Table for triggering action to export device credentials.

clmgmtDevCredExportActionTable OBJECT-TYPE
SYNTAX          SEQUENCE OF ClmgmtDevCredExportActionEntry
MAX-ACCESS      not-accessible
STATUS          current
DESCRIPTION
   "A table for triggering device credentials export action.
   Management application must create this entry to trigger the
   export of device credentials from the device to a file.
   Once the request completes, the management application should
retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion.”

```markdown
::= { clmgmtLicenseDeviceInformation 2 }
```

clmgmtDevCredExportActionEntry OBJECT-TYPE
SYNTAX ClmgmtDevCredExportActionEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry for each device credential export action that is being executed or was executed recently. The management application triggers the export by creating an entry in this table. This can be done in the following 2 methods

1. CREATE-AND-GO method
   Management application sets clmgmtDevCredExportActionStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

2. CREATE-AND-WAIT method
   Management application sets clmgmtDevCredExportActionStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtDevCredExportActionStatus to active(1).

To stop the action from being executed, the management application can delete the entry by setting clmgmtDevCredExportActionStatus to destroy(6) when clmgmtDevCredCommandState is pending(2).

The status of action execution can be known by querying clmgmtDevCredCommandState. If the action is still in pending(2) or inProgress(3), the management application need to check back again after few seconds. Once the action completes and if status of the action is failed(6), the reason for failure can be retrieved from clmgmtDevCredCommandFailCause.

Entry can be deleted except when clmgmtLicenseAction is set to inProgress(3). All entries in this table are volatile and are cleared on agent reset.”
INDEX { clmgmtDevCredExportActionIndex } ::= { clmgmtDevCredExportActionTable 1 }

ClmgmtDevCredExportActionEntry ::= SEQUENCE {
  clmgmtDevCredExportActionIndex Unsigned32,
  clmgmtDevCredEntPhysicalIndex PhysicalIndexOrZero,
  clmgmtDevCredTransferProtocol ClmgmtLicenseTransferProtocol,
  clmgmtDevCredServerAddressType InetAddressType,
  clmgmtDevCredServerAddress InetAddress,
  clmgmtDevCredServerUsername SnmpAdminString,
  clmgmtDevCredServerPassword SnmpAdminString,
  clmgmtDevCredExportFile SnmpAdminString,
  clmgmtDevCredCommand INTEGER,
  clmgmtDevCredCommandState ClmgmtLicenseActionState,
  clmgmtDevCredCommandFailCause INTEGER,
  clmgmtDevCredStorageType StorageType,
  clmgmtDevCredRowStatus RowStatus
}

clmgmtDevCredExportActionIndex OBJECT-TYPE
SYNTAX Unsigned32 (1..4294967295)
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
  "This object uniquely identifies a row in clmgmtDevCredExportActionTable. The management application chooses this value by reading clmgmtNextFreeDevCredExportActionIndex while creating an entry in this table. If an entry already exists with this index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeDevCredExportActionIndex again and retry with the new value for this object."
 ::= { clmgmtDevCredExportActionEntry 1 }

clmgmtDevCredEntPhysicalIndex OBJECT-TYPE
SYNTAX PhysicalIndexOrZero
MAX-ACCESS read-create
STATUS current
DESCRIPTION
  "This object represents the entPhysicalIndex of the device for which the device credentials are being retrieved. This object is mainly used in devices where one device is acting as a master and rest of the devices as slaves. The master device is responsible for SNMP communication with the manager. Examples include stackable switches, devices with router processor and line cards."
Note: This object need not be set if it is a stand alone device

DEFVAL { 0 }
::= {clmgmtDevCredExportActionEntry 2 }

clmgmtDevCredTransferProtocol OBJECT-TYPE
SYNTAX ClmgmtLicenseTransferProtocol
MAX-ACCESS read-create
STATUS current
DESCRIPTION
  "This object indicates the transfer protocol to be used when
copying files as specified in the following objects.
  1. clmgmtDevCredExportFile
     ."
DEFVAL { none }
::= {clmgmtDevCredExportActionEntry 3 }

clmgmtDevCredServerAddressType OBJECT-TYPE
SYNTAX InetAddressType
MAX-ACCESS read-create
STATUS current
DESCRIPTION
  "This object indicates the transport type of the
  address contained in clmgmtDevCredServerAddress object.
  This must be set when clmgmtDevCredTransferProtocol
  is not none(1) or local(2)."
DEFVAL { unknown }
::= {clmgmtDevCredExportActionEntry 4 }

clmgmtDevCredServerAddress OBJECT-TYPE
SYNTAX InetAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
  "This object indicates the the ip address of the server
  from which the files must be read or written to if
  clmgmtDevCredTransferProtocol is not none(1) or local(2).
  All bits as 0s or 1s for clmgmtDevCredServerAddress are not
  allowed.

  The format of this address depends on the value of the
  clmgmtDevCredServerAddressType object"
DEFVAL { "" }
::= {clmgmtDevCredExportActionEntry 5 }

clmgmtDevCredServerUsername OBJECT-TYPE
SYNTAX SnmpAdminString (SIZE (0..96))
MAX-ACCESS  read-create
STATUS        current

DESCRIPTION
"This object indicates the remote user name for accessing files via ftp, rcp, sftp or scp protocols. This object must be set when the clmgmtDevCredTransferProtocol is ftp(4), rcp(5), scp(7) or sftp(8). If clmgmtDevCredTransferProtocol is rcp(5), the remote username is sent as the server username in an rcp command request sent by the system to a remote rcp server."

DEFVAL          { "" }
 ::= { clmgmtDevCredExportActionEntry 6 }

clmgmtDevCredServerPassword OBJECT-TYPE
SYNTAX          SnmpAdminString (SIZE  (0..96))
MAX-ACCESS      read-create
STATUS          current

DESCRIPTION
"This object indicates the password used by ftp, sftp or scp for copying a file to/from an ftp/sftp/scp server. This object must be set when the clmgmtDevCredTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons."

DEFVAL          { "" }
 ::= { clmgmtDevCredExportActionEntry 7 }

clmgmtDevCredExportFile OBJECT-TYPE
SYNTAX          SnmpAdminString (SIZE  (0..255))
MAX-ACCESS      read-create
STATUS          current

DESCRIPTION
"This object represents file where device credentials needs to be exported to."

 ::= { clmgmtDevCredExportActionEntry 8 }

clmgmtDevCredCommand OBJECT-TYPE
SYNTAX          INTEGER  {
  noOp(1),
  getDeviceCredentials(2)
}
MAX-ACCESS      read-create
STATUS          current

DESCRIPTION
"This object indicates the the command to be executed.

Command    Remarks
--------    --------
noOp(1) No operation will be performed.

getDeviceCredentials(2) Exports device credentials"
DEFVAL { noOp }
::= { clmgmtDevCredExportActionEntry 9 }

clmgmtDevCredCommandState OBJECT-TYPE
SYNTAX ClmgmtLicenseActionState
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the state of the action that is executed as a result of setting clmgmtDevCredRowStatus to active(1)."
 ::= { clmgmtDevCredExportActionEntry 10 }

clmgmtDevCredCommandFailCause OBJECT-TYPE
SYNTAX INTEGER {none(1),
  unknownError(2),
  transferProtocolNotSupported(3),
  fileServerNotReachable(4),
  unrecognizedEntPhysicalIndex(5),
  invalidFile(6)
  }
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the the reason for device credentials export operation failure.

The value of this object is valid only when clmgmtDevCredCommandState is failed(6).

none(1) action execution has not started yet.
If the action is completed and the action is successful, then also none(1) is returned to indicate that there are no errors.
unknownError(2) reason for failure is unknown, operation failed, no operation is performed
transferProtocolNotSupported(3) - clmgmtDevCredTransferProtocol given is not supported.
fileServerNotReachable(4) file server is not reachable.
unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid
invalidFile(6) - The target file specified is not valid.

::= { clmgmtDevCredExportActionEntry 11 }

clmgmtDevCredStorageType OBJECT-TYPE
SYNTAX          StorageType
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
   "This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."
DEFVAL          { volatile }
::= { clmgmtDevCredExportActionEntry 12 }

clmgmtDevCredRowStatus OBJECT-TYPE
SYNTAX          RowStatus
MAX-ACCESS      read-create
STATUS          current
DESCRIPTION
   "This object indicates the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtDevCredCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row.

clmgmtDevCredExportFile is a mandatory object to be set when creating this entry.”
::= { clmgmtDevCredExportActionEntry 13 }

-- Objects for enabling/disabling notifications

clmgmtLicenseUsageNotifEnable OBJECT-TYPE
SYNTAX          TruthValue
MAX-ACCESS      read-write
STATUS          current
DESCRIPTION
   "This object indicates whether the device should generate the notifications related to usage of licenses. This object enables/disables sending following notifications:
   clmgmtLicenseExpired
   clmgmtLicenseExpiryWarning
   clmgmtLicenseUsageCountExceeded
   clmgmtLicenseUsageCountAboutToExceed
   clmgmtLicenseSubscriptionExpiryWarning
clmgmtLicenseSubscriptionExtExpiryWarning
clmgmtLicenseSubscriptionExpired
clmgmtLicenseEvalRTUTransitionWarning
clmgmtLicenseEvalRTUTransition"
DEFVAL { true }
::= { clmgmtLicenseNotifObjects 1 }

clmgmtLicenseDeploymentNotifEnable OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This object indicates whether the device should generate
notifications related to license deployment. This object
enables/disables sending following notifications:
  clmgmtLicenseInstalled
  clmgmtLicenseCleared
  clmgmtLicenseRevoked
  clmgmtLicenseEULAAccepted"
DEFVAL { true }
::= { clmgmtLicenseNotifObjects 2 }

clmgmtLicenseErrorNotifEnable OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This object indicates whether the device should generate
notifications related to error conditions in enforcing
licensing. This object enables/disables sending following
notifications:
  clmgmtLicenseNotEnforced"
DEFVAL { true }
::= { clmgmtLicenseNotifObjects 3 }

-- Notifications

clmgmtLicenseExpired NOTIFICATION-TYPE
OBJECTS { clmgmtFeatureName, clmgmtFeatureVersion }
STATUS current
DESCRIPTION
"This notification is sent, when a feature license expires. This notification will be sent continuously
every week even after the expiry to alert the management application."
clmgmtLicenseExpiryWarning NOTIFICATION-TYPE

OBJECTS

clmgmtFeatureName,
clmgmtFeatureVersion,
clmgmtFeatureValidityPeriodRemaining

STATUS current

DESCRIPTION

"This notification is sent when a license is about to expire. This notification will go out multiple times. First notification goes out when expiry day is 4 weeks ahead, second notification when expiry day is 3 weeks ahead, third notification when expiry day is 2 weeks ahead. This notification will go out daily in the last week of license expiry."

clmgmtLicenseUsageCountExceeded NOTIFICATION-TYPE

OBJECTS

clmgmtLicenseFeatureName,
clmgmtLicenseFeatureVersion,
clmgmtLicenseMaxUsageCount,
clmgmtFeatureWhatIsCounted,
clmgmtLicenseComments

STATUS current

DESCRIPTION

"This notification is sent when clmgmtLicenseUsageCountRemaining has reached clmgmtLicenseMaxUsageCount for a counting license."

clmgmtLicenseUsageCountAboutToExceed NOTIFICATION-TYPE

OBJECTS

clmgmtLicenseFeatureName,
clmgmtLicenseFeatureVersion,
clmgmtLicenseMaxUsageCount,
clmgmtLicenseUsageCountRemaining,
clmgmtFeatureWhatIsCounted,
clmgmtLicenseComments

STATUS current

DESCRIPTION

"This notification is sent when clmgmtLicenseUsageCountRemaining has reached 80% of clmgmtLicenseMaxUsageCount for a counting license. This is a warning notification to the management application that very soon the maximum count will be reached.
and after that the device will not allow new entities to make use of this license.

::= { ciscoLicenseMgmtMIBNotifs 4 }

clmgmtLicenseInstalled NOTIFICATION-TYPE

OBJECTS

{ clmgmtLicenseFeatureName, clmgmtLicenseFeatureVersion, clmgmtLicenseType, clmgmtLicenseComments }

STATUS current

DESCRIPTION

"This notification is sent when a license is installed successfully."

::= { ciscoLicenseMgmtMIBNotifs 5 }

clmgmtLicenseCleared NOTIFICATION-TYPE

OBJECTS

{ clmgmtLicenseFeatureName, clmgmtLicenseFeatureVersion, clmgmtLicenseType, clmgmtLicenseComments }

STATUS current

DESCRIPTION

"This notification is sent when a license is cleared successfully."

::= { ciscoLicenseMgmtMIBNotifs 6 }

clmgmtLicenseRevoked NOTIFICATION-TYPE

OBJECTS

{ clmgmtLicenseFeatureName, clmgmtLicenseFeatureVersion, clmgmtLicenseType, clmgmtLicenseComments }

STATUS current

DESCRIPTION

"This notification is sent when a license is revoked successfully."

::= { ciscoLicenseMgmtMIBNotifs 7 }

clmgmtLicenseEULAAccepted NOTIFICATION-TYPE

OBJECTS

{ clmgmtFeatureName, clmgmtFeatureVersion }

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6745
STATUS current
DESCRIPTION
"This notification is sent when a user accepts End User License Agreement (EULA) for a license."
::= { ciscoLicenseMgmtMIBNotifs 8 }

clmgmtLicenseNotEnforced NOTIFICATION-TYPE
OBJECTS {
    clmgmtFeatureName,
    clmgmtFeatureVersion
}
STATUS current
DESCRIPTION
"This notification is sent when a license does not exist for a feature, but the feature is a mandatory feature and it should run. This notification will be sent out periodically to indicate that there is no license installed for this feature and it needs to be done as soon as possible."
::= { ciscoLicenseMgmtMIBNotifs 9 }

clmgmtLicenseSubscriptionExpiryWarning NOTIFICATION-TYPE
OBJECTS {
    clmgmtFeatureName,
    clmgmtFeatureVersion,
    clmgmtFeatureEndDate
}
STATUS current
DESCRIPTION
"This notification is sent when a subscription license of a feature is about to expire. This notification will be sent as per the following schedule:
Once a week for the last eight weeks
Once a day for the last week
Once an hour for the last day"
::= { ciscoLicenseMgmtMIBNotifs 10 }

clmgmtLicenseSubscriptionExtExpiryWarning NOTIFICATION-TYPE
OBJECTS {
    clmgmtFeatureName,
    clmgmtFeatureVersion,
    clmgmtFeatureEndDate
}
STATUS current
DESCRIPTION
"This notification is sent when the subscription license end date of a feature is reached but extension period is left. This notification will be sent once a day after the license end date
is reached.
::= { ciscoLicenseMgmtMIBNotifs 11 }

clmgmtLicenseSubscriptionExpired NOTIFICATION-TYPE
OBJECTS         {
    clmgmtFeatureName,
    clmgmtFeatureVersion,
    clmgmtFeatureEndDate
}
STATUS          current
DESCRIPTION
"This notification will be sent after a subscription license
of a feature completely expires. It will be sent once a day
after the license has completely expired"
::= { ciscoLicenseMgmtMIBNotifs 12 }

clmgmtLicenseEvalRTUTransitionWarning NOTIFICATION-TYPE
OBJECTS         {
    clmgmtFeatureName,
    clmgmtFeatureVersion,
    clmgmtFeatureValidityPeriodRemaining
}
STATUS          current
DESCRIPTION
"This notification is sent when Evaluation to Right to use (RTU)
license transition is about to happen. The first notification
will be sent 10 days before the transition and second
notification will be sent 5 days before the transition."
::= { ciscoLicenseMgmtMIBNotifs 13 }

clmgmtLicenseEvalRTUTransition NOTIFICATION-TYPE
OBJECTS         {
    clmgmtFeatureName,
    clmgmtFeatureVersion
}
STATUS          current
DESCRIPTION
"This notification is sent, when a feature license transitions
from a evaluation to a Right to use (RTU) license."
::= { ciscoLicenseMgmtMIBNotifs 14 }

-- Conformance

ciscoLicenseMgmtCompliances OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIBConform 1 }

ciscoLicenseMgmtGroups OBJECT IDENTIFIER
 ::= { ciscoLicenseMgmtMIBConform 2 }
Cisco License Management Compliance

**Module Compliance**

**Status**: deprecated

**Description**: Compliance statement for Cisco license mgmt MIB.

**Module**: -- this module

**Mandatory Groups**:
- clmgmtLicenseDeploymentGroup
- clmgmtLicenseDeviceInformationGroup
- clmgmtLicenseInformationGroup
- clmgmtLicensableFeatureInformationGroup
- clmgmtLicenseDevCredGroup
- clmgmtLicenseNotificationEnableGroup
- clmgmtLicenseUsageNotifGroup
- clmgmtLicenseDeploymentNotifGroup
- clmgmtLicenseErrorNotifGroup

**Group**: clmgmtLicenseStoreInformationGroup

**Description**: This group is mandatory for all devices where multiple license stores are supported.

::= {ciscoLicenseMgmtCompliances 1}

Cisco License Management Compliance Rev 1

**Module Compliance**

**Status**: current

**Description**: Compliance statement for Cisco license mgmt MIB.

**Module**: -- this module

**Mandatory Groups**:
- clmgmtLicenseDeploymentGroup
- clmgmtLicenseDeviceInformationGroup
- clmgmtLicenseInformationGroup
- clmgmtLicensableFeatureInformationGroup
- clmgmtLicenseDevCredGroup
- clmgmtLicenseNotificationEnableGroup
- clmgmtLicenseUsageNotifGroup
- clmgmtLicenseDeploymentNotifGroup
- clmgmtLicenseErrorNotifGroup

**Group**: clmgmtLicenseStoreInformationGroup

**Description**: This group is mandatory for all devices where multiple license stores are supported.

**Group**: clmgmtLicenseSubscriptionGroup

**Description**
"This object group is mandatory for all devices that support subscription licensing."

GROUP clmgmtLicenseSubscriptionUsageNotifGroup
DESCRIPTION
"This notification group is mandatory for all devices that support subscription licensing."

GROUP clmgmtLicenseRTUGroup
DESCRIPTION
"This object group is mandatory for all devices that support Right to Use (RTU) licensing."

GROUP clmgmtLicenseRTUUsageNotifGroup
DESCRIPTION
"This notification group is mandatory for all devices that support Right to Use (RTU) licensing."
::= { ciscoLicenseMgmtCompliances 2 }

-- Units of Conformance

clmgmtLicenseDeploymentGroup OBJECT-GROUP
OBJECTS
{ clmgmtNextFreeLicenseActionIndex, clmgmtLicenseActionEntPhysicalIndex, clmgmtLicenseActionTransferProtocol, clmgmtLicenseServerAddressType, clmgmtLicenseServerAddress, clmgmtLicenseServerUsername, clmgmtLicenseServerPassword, clmgmtLicenseFile, clmgmtLicenseStore, clmgmtLicenseActionLicenseIndex, clmgmtLicensePermissionTicketFile, clmgmtLicenseRehostTicketFile, clmgmtLicenseBackupFile, clmgmtLicenseStopOnFailure, clmgmtLicenseAction, clmgmtLicenseActionState, clmgmtLicenseJobQPosition, clmgmtLicenseActionFailCause, clmgmtLicenseActionStorageType, clmgmtLicenseActionRowStatus, clmgmtLicenseIndivActionState, clmgmtLicenseIndivActionFailCause, clmgmtLicenseAcceptEULA, clmgmtLicenseEULAFile }
STATUS current
DESCRIPTION
"A collection of objects for performing license deployment
i.e., license installation, clear and revoke"
::= { ciscoLicenseMgmtGroups 1 }

clmgmtLicenseStoreInformationGroup OBJECT-GROUP

OBJECTS { clmgmtLicenseStoreName,
clmgmtLicenseStoreTotalSize,
clmgmtLicenseStoreSizeRemaining
}
STATUS current
DESCRIPTION
"A collection of objects that provide information about
license storages in the device."
::= { ciscoLicenseMgmtGroups 2 }

clmgmtLicenseDeviceInformationGroup OBJECT-GROUP

OBJECTS { clmgmtDefaultLicenseStore }
STATUS current
DESCRIPTION
"A collection of objects that provide information about
device level licensing support information in the device."
::= { ciscoLicenseMgmtGroups 3 }

clmgmtLicenseInformationGroup OBJECT-GROUP

OBJECTS { clmgmtLicenseFeatureName,
clmgmtLicenseFeatureVersion,
clmgmtLicenseType,
clmgmtLicenseCounted,
clmgmtLicenseValidityPeriod,
clmgmtLicenseValidityPeriodRemaining,
clmgmtLicenseExpiredPeriod,
clmgmtLicenseMaxUsageCount,
clmgmtLicenseUsageCountRemaining,
clmgmtLicenseEULASTatus,
clmgmtLicenseComments,
clmgmtLicenseStatus
}
STATUS current
DESCRIPTION
"A collection of objects that provide information about
licenses and its state."
::= { ciscoLicenseMgmtGroups 4 }

clmgmtLicensableFeatureInformationGroup OBJECT-GROUP


OBJECTS
{
    clmgmtFeatureName,
    clmgmtFeatureVersion,
    clmgmtFeatureValidityPeriodRemaining,
    clmgmtFeatureWhatIsCounted
}
STATUS current
DESCRIPTION
"A collection of objects that provide information about licensable features in the software image."
::= { ciscoLicenseMgmtGroups 5 }

clmgmtLicenseDevCredGroup OBJECT-GROUP
OBJECTS
{
    clmgmtNextFreeDevCredExportActionIndex,
    clmgmtDevCredEntPhysicalIndex,
    clmgmtDevCredTransferProtocol,
    clmgmtDevCredServerAddressType,
    clmgmtDevCredServerAddress,
    clmgmtDevCredServerUsername,
    clmgmtDevCredServerPassword,
    clmgmtDevCredExportFile,
    clmgmtDevCredCommand,
    clmgmtDevCredCommandState,
    clmgmtDevCredCommandFailCause,
    clmgmtDevCredStorageType,
    clmgmtDevCredRowStatus
}
STATUS current
DESCRIPTION
"A collection of objects for exporting device credentials from the device."
::= { ciscoLicenseMgmtGroups 6 }

clmgmtLicenseNotificationEnableGroup OBJECT-GROUP
OBJECTS
{
    clmgmtLicenseUsageNotifEnable,
    clmgmtLicenseDeploymentNotifEnable,
    clmgmtLicenseErrorNotifEnable
}
STATUS current
DESCRIPTION
"A collection of objects for controlling (enabling/disabling) license notifications to a management application."
::= { ciscoLicenseMgmtGroups 7 }

clmgmtLicenseUsageNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS  {
    clmgmtLicenseExpired,
    clmgmtLicenseExpiryWarning,
    clmgmtLicenseUsageCountExceeded,
    clmgmtLicenseUsageCountAboutToExceed
}
STATUS    current
DESCRIPTION
    "A collection of notifications related to license usage."
::= { ciscoLicenseMgmtGroups 8 }

clmgmtLicenseDeploymentNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS  {
    clmgmtLicenseInstalled,
    clmgmtLicenseCleared,
    clmgmtLicenseRevoked,
    clmgmtLicenseEULAAccepted
}
STATUS    current
DESCRIPTION
    "A collection of notifications related to license deployment."n
::= { ciscoLicenseMgmtGroups 9 }

clmgmtLicenseErrorNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS  { clmgmtLicenseNotEnforced }
STATUS    current
DESCRIPTION
    "A collection of notifications related to license errors."n
::= { ciscoLicenseMgmtGroups 10 }

clmgmtLicenseSubscriptionGroup OBJECT-GROUP
OBJECTS         {
    clmgmtLicenseStartDate,
    clmgmtLicenseEndDate,
    clmgmtFeatureStartDate,
    clmgmtFeatureEndDate
}
STATUS    current
DESCRIPTION
    "A collection of objects that provide information specific to
    subscription licenses."
::= { ciscoLicenseMgmtGroups 11 }

clmgmtLicenseSubscriptionUsageNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS  {
    clmgmtLicenseSubscriptionExpiryWarning,
    clmgmtLicenseSubscriptionExtExpiryWarning,
    clmgmtLicenseSubscriptionExpired
}
A collection of notifications related to usage of subscription licenses.

 ::= { ciscoLicenseMgmtGroups 12 }

clmgmtLicenseRTUGroup OBJECT-GROUP

OBJECTS

clmgmtLicensePeriodUsed,
clmgmtFeaturePeriodUsed

STATUS current

DESCRIPTION

"A collection of objects that provide information specific to Right to use (RTU) licenses."

 ::= { ciscoLicenseMgmtGroups 13 }

clmgmtLicenseRTUUsageNotifGroup NOTIFICATION-GROUP

NOTIFICATIONS

clmgmtLicenseEvalRTUTransitionWarning,
clmgmtLicenseEvalRTUTransition

STATUS current

DESCRIPTION

"A collection of notifications related to Right to use (RTU) licenses."

 ::= { ciscoLicenseMgmtGroups 14 }

END

--%DNP% MLC -Edit MLC

--%DNP% MTF -TRUE MTF

-- CISCO-IMAGE-LICENSE-MGMT-MIB.my: Cisco MIB to manage image level on Cisco devices.

-- August 2007, Ganesan Rajam

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-- ********************************************************************

CISCO-IMAGE-LICENSE-MGMT-MIB DEFINITIONS ::= BEGIN
IMPORTS
OBJECT-TYPE,
MODULE-IDENTITY,
Unsigned32,
NOTIFICATION-TYPE
FROM SNMPv2-SMI
MODULE-COMPLIANCE,
OBJECT-GROUP,
NOTIFICATION-GROUP
FROM SNMPv2-CONF
TEXTUAL-CONVENTION,
TruthValue
FROM SNMPv2-TC
SnmpAdminString
FROM SNMP-FRAMEWORK-MIB
entPhysicalIndex
FROM ENTITY-MIB
ciscoMgmt
FROM CISCO-SMI;

ciscoImageLicenseMgmtMIB MODULE-IDENTITY
LAST-UPDATED "200710160000Z"
ORGANIZATION "Cisco Systems Inc."
CONTACT-INFO
"Cisco Systems
Customer Service
Postal: 170 W Tasman Drive
San Jose, CA 95134
USA
Tel: +1 800 553-NETS
E-mail: cs-snmp@cisco.com"
DESCRIPTION
"The MIB module for managing the running image level
of a Cisco device. Cisco's licensing mechanism provides
flexibility to run a device on a chosen image level.
This mechanism is referred to as image level licensing.
Image level licensing leverages the universal image
based licensing solution.

The image level licensing mechanism works as follows -

A universal image that contains all levels of software
packages is loaded on to the device. At boot time, the
device determines the highest level of license and brings
up the appropriate software features or subsystems.
The user can configure the image level with which the
device has to boot. The system will verify whether the
appropriate license is available for the configured image level. The image level for the next boot will be determined based on the availability of the license. The following scenarios explains some use-cases of image level licensing:

Scenario 1:
- Customer selects advsecurityk9 based image.
- Manufacturing installs advsecurity license on the device.
- This device will run all features that are part of the base advsecurity license.
- Customer upgrades to advipservicesk9 license.
- The next boot level is set to advipservicesk9.
- The device will run advsecurityk9 feature until the next reboot. After reboot the device will run advipservicesk9 features.

Scenario 2:
- Customer selects advipservicesk9 based image.
- Manufacturing installs advipservices and advsecurity license on the device.
- This device will run all features that are part of the base advipservices license.
- No upgrades available for advipservices license.

The user has to accept the End User License Agreement (EULA) before using this MIB to configure the image level.

This MIB should be used in conjunction with CISCO-LICENSE-MGMT-MIB module to achieve the image level licensing functionality.

This MIB module defines objects which provides the different image levels supported by the device and the license required to enable a particular image level. It also defines objects to let the user configure the required image level. The MIB module contains notification which will be triggered when the user changes the image level for next boot.

The CISCO-LICENSE-MGMT-MIB module should be used to export the EULA and to configure the required license.

This MIB module is defined generically so it can be used for both stand-alone as well as stackable devices. The entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely.
BootImageLevel ::= TEXTUAL-CONVENTION
   STATUS current
   DESCRIPTION "This textual convention is used to define
                 the image level.
                 If the device is running at advipservices
                 image level, then the boot image level will
                 be 'advipservices'."
   SYNTAX OCTET STRING (SIZE (0..255))

LicenseNameList ::= TEXTUAL-CONVENTION
   STATUS current
   DESCRIPTION "This textual convention is used to define
                 the list of license names. If multiple licenses
                 are present then this string will contain all
                 the licenses seperated by the ',' character.
                 If the license required to run a device at
                 advipservices image level is advipservices and
                 advsecurity, then the license name list will be
                 'advipservices,advsecurity'."
   SYNTAX OCTET STRING (SIZE (0..255))

-- Table for executing license management actions.
cilmBootImageLevelTable OBJECT-TYPE
   SYNTAX SEQUENCE OF CilmBootImageLevelEntry
   MAX-ACCESS not-accessible
   STATUS current
   DESCRIPTION "A table that contains the configuration information of
                 current and next boot image level. This table contains
                 entries for each software module running in an image
                 loaded in the device. The software module is identified by
cilmModuleName and the device is identified by
entPhysicalIndex.”
 ::= { ciscoImageLicenseMgmtMIBObjects 1 }

cilmBootImageLevelEntry OBJECT-TYPE
SYNTAX  CilmBootImageLevelEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in the table for each module containing the
list of objects that define the configuration of next
boot level. The following information is specified by
the objects present in the table.

- Current image level.
- Configured image level for the next boot.
- Actual image level for the next boot.
- License store index for the current license.
- License index of the current license.
- License store index for the next boot license.
- License index of the next boot license.”
INDEX    {
    entPhysicalIndex,
    cilmModuleName
}
 ::= { cilmBootImageLevelTable 1 }

CilmBootImageLevelEntry ::= SEQUENCE {
    cilmModuleName      SnmpAdminString,
    cilmCurrentImageLevel  BootImageLevel,
    cilmConfiguredBootImageLevel  BootImageLevel,
    cilmNextBootImageLevel  BootImageLevel,
    cilmCurrentLicenseStoreIndex  Unsigned32,
    cilmCurrentLicenseIndex    Unsigned32,
    cilmNextBootLicenseStoreIndex Unsigned32,
    cilmNextBootLicenseIndex    Unsigned32
}

cilmModuleName OBJECT-TYPE
SYNTAX    SnmpAdminString
MAX-ACCESS not-accessible
STATUS    current
DESCRIPTION
"This object is used as one of the two indices in
cilmBootImageLevelTable. This object indicates the module
name of the software package. There can be multiple
modules in an image performing specific functionality.
For example, in a wireless image there can be two modules
a base image module and a wireless module.

::= { cilmBootImageLevelEntry 1 }

cilmCurrentImageLevel OBJECT-TYPE
SYNTAX          BootImageLevel
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
 "This object indicates the current image level that
 the module is running."
 ::= { cilmBootImageLevelEntry 2 }

cilmConfiguredBootImageLevel OBJECT-TYPE
SYNTAX          BootImageLevel
MAX-ACCESS      read-write
STATUS          current
DESCRIPTION
 "This object indicates the configured image level
 of the module for the next boot.

Note: The configured next boot image level may not
 be the actual next boot image level. The actual next
 boot image level is denoted by cilmNextBootImageLevel
 which is determined based on the license availability."
 ::= { cilmBootImageLevelEntry 3 }

cilmNextBootImageLevel OBJECT-TYPE
SYNTAX          BootImageLevel
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
 "This object indicates the next boot image level. The
 next boot image level can be different from configured
 level. The next boot image level is determined based
 on the availability of required license."
 ::= { cilmBootImageLevelEntry 4 }

cilmCurrentLicenseStoreIndex OBJECT-TYPE
SYNTAX          Unsigned32
MAX-ACCESS      read-only
STATUS          current
DESCRIPTION
 "This object indicates the license store index where the
 currently used license is stored. This object has the same
 value as clmgmtLicenseStoreIndex object and uniquely
 identifies an entry in clmgmtLicenseStoreInfoTable in
 CISCO-LICENSE-MGMT-MIB.
Note: The license store index can be '0' if no license is installed and device is running base image.
::= { cilmBootImageLevelEntry 5 }

cilmCurrentLicenseIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the license index of the currently used license. This object has the same value as clmgmtLicenseIndex and uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license index can be '0' if no license is installed and device is running base image."
::= { cilmBootImageLevelEntry 6 }

cilmNextBootLicenseStoreIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the license store index where the next boot license is stored. This object has the same value as clmgmtLicenseStoreIndex object and uniquely identifies an entry in clmgmtLicenseStoreInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license store index can be '0' if no license is installed for the next boot."
::= { cilmBootImageLevelEntry 7 }

cilmNextBootLicenseIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the license index of the next boot license. This object has the same value as clmgmtLicenseIndex and uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license index can be '0' if no license is installed for the next boot."
::= { cilmBootImageLevelEntry 8 }
This table contains the mapping between different image levels of each module in the image and the license required to run the modules at a particular image level. This table can be used to identify the different image levels and the appropriate licenses required for each.

::= { ciscoImageLicenseMgmtMIBObjects 2 }

An entry in the table containing the following information.

- The image levels at which the modules can be run.
- The license required to run a module at a particular image level.
- The priority of the license.

INDEX

::= { cilmImageLevelToLicenseMapTable 1 }

cilmImageLevelToLicenseMapEntry ::= SEQUENCE {
  cilmImageLicenseMapIndex   Unsigned32,
  cilmImageLicenseImageLevel BootImageLevel,
  cilmImageLicenseName       LicenseNameList,
  cilmImageLicensePriority   Unsigned32
}

cilmImageLicenseMapIndex OBJECT-TYPE
SYNTAX   Unsigned32
MAX-ACCESS not-accessible
STATUS   current
DESCRIPTION
  "This is a running index used to identify an entry of this table."
::= { cilmImageLevelToLicenseMapEntry 1 }
cilmImageLicenseImageLevel OBJECT-TYPE
SYNTAX BootImageLevel
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the image level at which a module can be run. A module can be run at different image levels. An entry will be created in this table for every module and image level combination."
::= { cilmImageLevelToLicenseMapEntry 2 }

cilmImageLicenseName OBJECT-TYPE
SYNTAX LicenseNameList
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the list of licenses needed to be installed for the module to run at the image level mentioned by cilmImageLicenseImageLevel object of this entry."
::= { cilmImageLevelToLicenseMapEntry 3 }

cilmImageLicensePriority OBJECT-TYPE
SYNTAX Unsigned32 (1..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This object indicates the priority of the image level mentioned by cilmImageLicenseImageLevel object of this entry. The image level with the highest priority license will be considered as the default level in the absence of next boot image level configuration. For example if there are three licenses l1, l2 and l3 in the ascending order of priority, then by default l1 will be the level at which the module will be running. If the next boot level is configured then the configuration will override the priority. The highest priority license supports a feature set which is a super set of all other licenses."
::= { cilmImageLevelToLicenseMapEntry 4 }

-- Global Objects

cilmEULAAccepted OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-write
STATUS  current

DESCRIPTION
"This object when set to TRUE means that the user has accepted the END USER LICENSE AGREEMENT. This object has to be set to TRUE by the user before using the objects in the cilmBootImageLevelTable to configure the license."

DEFVAL  { false }
::= { ciscoImageLicenseMgmtMIBObjects 3 }

-- Notification control

cilmNotifCntl  OBJECT IDENTIFIER
::= { ciscoImageLicenseMgmtMIBObjects 4 }

cilmImageLevelChangedNotif OBJECT-TYPE
SYNTAX  TruthValue
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
"Specify whether or not a notification should be generated on the detection of change in next boot image level.

If set to TRUE, cilmBootImageLevelChanged notification will be generated. It is the responsibility of the management entity to ensure that the SNMP administrative model is configured in such a way as to allow the notification to be delivered."

REFERENCE
"See also RFC3413 for explanation that notifications are under the ultimate control of the MIB module in this document."

DEFVAL  { false }
::= { cilmNotifCntl 1 }

-- Notifications

cilmBootImageLevelChanged NOTIFICATION-TYPE
OBJECTS  {
   cilmCurrentImageLevel,
   cilmConfiguredBootImageLevel
}

STATUS  current
DESCRIPTION
"This notification is triggered when next boot image level is changed in the management entity. The current and configured image level are indicated by cilmCurrentImageLevel
and cilmConfiguredBootImageLevel objects respectively.

::= { ciscoImageLicenseMgmtMIBNotifs 1 }

-- Conformance

cilmModuleCompliances OBJECT IDENTIFIER
::= { ciscoImageLicenseMgmtMIBConform 1 }

cilmModuleGroups OBJECT IDENTIFIER
::= { ciscoImageLicenseMgmtMIBConform 2 }

cilmModuleCompliance MODULE-COMPLIANCE
STATUS current
DESCRIPTION "Compliance statement for Cisco Image level license mgmt MIB."
MODULE -- this module
MANDATORY-GROUPS {
    cilmAdminGroup,
    cilmNotifGroup
}

GROUP cilmOperGroup
DESCRIPTION "This group is mandatory for all devices where
multiple license are supported."
::= { cilmModuleCompliances 1 }

-- Units of Conformance

cilmAdminGroup OBJECT-GROUP
OBJECTS {
    cilmCurrentImageLevel,
    cilmConfiguredBootImageLevel,
    cilmNextBootImageLevel,
    cilmCurrentLicenseStoreIndex,
    cilmCurrentLicenseIndex,
    cilmNextBootLicenseStoreIndex,
    cilmNextBootLicenseIndex,
    cilmEULAAccepted,
    cilmImageLevelChangedNotif
}
STATUS current
DESCRIPTION "Objects for performing license set operation for setting
next boot level."
::= { cilmModuleGroups 1 }

cilmOperGroup OBJECT-GROUP
OBJECTS

{ cilmImageLicenseImageLevel,
  cilmImageLicenseName,
  cilmImageLicensePriority
}

STATUS current

DESCRIPTION
"Objects for getting current image level configuration data."
::= { cilmModuleGroups 2 }

cilmNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS { cilmBootImageLevelChanged }

STATUS current

DESCRIPTION
"Objects for getting current image level configuration data."
::= { cilmModuleGroups 3 }

END

1.577 packaging 16.8

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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BSON library for Go

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1.586 nghttp2 1.40.0-1build1

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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1.587 brotli 1.0.7-6ubuntu0.1

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1.588 alpine-keys 2.4-r1

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1.591 tomli 1.2.2

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1.592 python-certifi 2020.12.05

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/////
NAME
----
update-ca-trust - manage consolidated and dynamic configuration of CA certificates and associated trust

SYNOPSIS
--------
*update-ca-trust* ['COMMAND']

DESCRIPTION
-----------
update-ca-trust(8) is used to manage a consolidated and dynamic configuration feature of Certificate Authority (CA) certificates and associated trust.

The feature is available for new applications that read the consolidated configuration files found in the /etc/pki/ca-trust/extracted directory or that load the PKCS#11 module p11-kit-trust.so

Parts of the new feature are also provided in a way to make it useful for legacy applications.

Many legacy applications expect CA certificates and trust configuration in a fixed location, contained in files with particular path and name, or by referring to a classic PKCS#11 trust module provided by the NSS cryptographic library.
The dynamic configuration feature provides functionally compatible replacements for classic configuration files and for the classic NSS trust module named libnssckbi.

In order to enable legacy applications, that read the classic files or access the classic module, to make use of the new consolidated and dynamic configuration feature, the classic filenames have been changed to symbolic links. The symbolic links refer to dynamically created and consolidated output stored below the /etc/pki/ca-trust/extracted directory hierarchy.

The output is produced using the 'update-ca-trust' command (without parameters), or using the 'update-ca-trust extract' command. In order to produce the output, a flexible set of source configuration is read, as described in section "sourceconf,SOURCE CONFIGURATION".

In addition, the classic PKCS#11 module is replaced with a new PKCS#11 module (p11-kit-trust.so) that dynamically reads the same source configuration.

[sourceconf]
SOURCE CONFIGURATION
----------------------
The dynamic configuration feature uses several source directories that will be scanned for any number of source files. *It is important to select the correct subdirectory for adding files, as the subdirectory defines how contained certificates will be trusted or distrusted, and which file formats are read.*

Files in *subdirectories below the directory hierarchy /usr/share/pki/ca-trust-source/* contain CA certificates and trust settings in the PEM file format. The trust settings found here will be interpreted with a *low priority*.

Files in *subdirectories below the directory hierarchy /etc/pki/ca-trust/source/* contain CA certificates and trust settings in the PEM file format. The trust settings found here will be interpreted with a *high priority*.

You may use the following rules of thumb to decide, whether your configuration files should be added to the /etc or rather to the /usr directory hierarchy:
* If you are manually adding a configuration file to a system, you probably want it to override any other default configuration, and you most likely should add it to the respective subdirectory in the /etc hierarchy.
* If you are creating a package that provides additional root CA certificates, that is intended for distribution to several computer systems, but you still want to allow the administrator to override your list, then your package should add your files to the respective subdirectory in the /usr hierarchy.
* If you are creating a package that is supposed to override the default system trust settings, that is intended for distribution to several computer systems, then your package should install the files to the respective subdirectory in the /etc hierarchy.
QUICK HELP 1*: To add a certificate in the simple PEM or DER file formats to the list of CAs trusted on the system:
  * add it as a new file to directory /etc/pki/ca-trust/source/anchors/
  * run 'update-ca-trust extract'

QUICK HELP 2*: If your certificate is in the extended BEGIN TRUSTED file format (which may contain distrust/blacklist trust flags, or trust flags for usages other than TLS) then:
  * add it as a new file to directory /etc/pki/ca-trust/source/
  * run 'update-ca-trust extract'

In order to offer simplicity and flexibility, the way certificate files are treated depends on the subdirectory they are installed to.
  * simple trust anchors subdirectory: /usr/share/pki/ca-trust-source/anchors/ or /etc/pki/ca-trust/source/anchors/
  * simple blacklist (distrust) subdirectory: /usr/share/pki/ca-trust-source/blacklist/ or /etc/pki/ca-trust/source/blacklist/
  * extended format directory: /usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/

In the main directories /usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/ you may install one or multiple files in the following file formats:
  * certificate files that include trust flags,
    in the BEGIN/END TRUSTED CERTIFICATE file format
    (any file name), which have been created using the openssl x509 tool
    and the -addreject -addtrust options.
    Bundle files with multiple certificates are supported.
  * files in the p11-kit file format using the .p11-kit file name
    extension, which can (e.g.) be used to distrust certificates
    based on serial number and issuer name, without having the
    full certificate available.
    (This is currently an undocumented format, to be extended later.
    For examples of the supported formats, see the files
    shipped with the ca-certificates package.)
  * certificate files without trust flags in either the DER file format or in
    the PEM (BEGIN/END CERTIFICATE) file format (any file name). Such files
    will be added with neutral trust, neither trusted nor distrusted.
    They will simply be known to the system, which might be helpful to
    assist cryptographic software in constructing chains of certificates.
    (If you want a CA certificate in these file formats to be trusted, you
    should remove it from this directory and move it to the
    .anchors subdirectory instead.)

In the anchors subdirectories /usr/share/pki/ca-trust-source/anchors/ or /etc/pki/ca-trust/source/anchors/
you may install one or multiple certificates in either the DER file
format or in the PEM (BEGIN/END CERTIFICATE) file format.
Each certificate will be treated as *trusted* for all purposes.

In the blacklist subdirectories /usr/share/pki/ca-trust-source/blacklist/ or /etc/pki/ca-trust/source/blacklist/
you may install one or multiple certificates in either the DER file
format or in the PEM (BEGIN/END CERTIFICATE) file format.
Each certificate will be treated as *distrusted* for all purposes.

Please refer to the x509(1) manual page for the documentation of the
BEGIN/END CERTIFICATE and BEGIN/END TRUSTED CERTIFICATE file formats.

Applications that rely on a static file for a list of trusted CAs
may load one of the files found in the /etc/pki/ca-trust/extracted
directory. After modifying any file in the
/usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/
directories or in any of their subdirectories, or after adding a file,
it is necessary to run the 'update-ca-trust extract' command,
in order to update the consolidated files in /etc/pki/ca-trust/extracted/.

Applications that load the classic PKCS#11 module using filename libnssckbi.so
(which has been converted into a symbolic link pointing to the new module)
and any application capable of
loading PKCS#11 modules and loading p11-kit-trust.so, will benefit from
the dynamically merged set of certificates and trust information stored in the
/usr/share/pki/ca-trust-source/ and /etc/pki/ca-trust/source/ directories.

[[extractconf]]
EXTRACTED CONFIGURATION
-----------------------
The directory /etc/pki/ca-trust/extracted/ contains generated CA certificate
bundle files which are created and updated, based on the <<sourceconf,SOURCE CONFIGURATION>>
by running the 'update-ca-trust extract' command.

If your application isn't able to load the PKCS#11 module p11-kit-trust.so,
then you can use these files in your application to load a list of global
root CA certificates.

Please never manually edit the files stored in this directory,
because your changes will be lost and the files automatically overwritten,
each time the 'update-ca-trust extract' command gets executed.

In order to install new trusted or distrusted certificates,
please rather install them in the respective subdirectory below the
/usr/share/pki/ca-trust-source/ or /etc/pki/ca-trust/source/
directories, as described in the <<sourceconf,SOURCE CONFIGURATION>> section.

The directory /etc/pki/ca-trust/extracted/java/ contains
a CA certificate bundle in the java keystore file format.
Distrust information cannot be represented in this file format,
and distrusted certificates are missing from these files.
File cacerts contains CA certificates trusted for TLS server authentication.

The directory /etc/pki/ca-trust/extracted/openssl/ contains
CA certificate bundle files in the extended BEGIN/END TRUSTED CERTIFICATE file format, as described in the x509(1) manual page. File ca-bundle.trust.crt contains the full set of all trusted or distrusted certificates, including the associated trust flags.

The directory /etc/pki/ca-trust/extracted/pem/ contains CA certificate bundle files in the simple BEGIN/END CERTIFICATE file format, as described in the x509(1) manual page. Distrust information cannot be represented in this file format, and distrusted certificates are missing from these files. File tls-ca-bundle.pem contains CA certificates trusted for TLS server authentication. File email-ca-bundle.pem contains CA certificates trusted for E-Mail protection. File objsign-ca-bundle.pem contains CA certificates trusted for code signing.

COMMANDS
--------
(absent/empty command)::
   Same as the *extract* command described below. (However, the command may print fewer warnings, as this command is being run during rpm package installation, where non-fatal status output is undesired.)

*extract*::
   Instruct update-ca-trust to scan the <<sourceconf,SOURCE CONFIGURATION>> and produce updated versions of the consolidated configuration files stored below the /etc/pki/ca-trust/extracted directory hierarchy.

FILES
-----
/etc/pki/tls/certs/ca-bundle.crt::
Classic filename, file contains a list of CA certificates trusted for TLS server authentication usage, in the simple BEGIN/END CERTIFICATE file format, without distrust information. This file is a symbolic link that refers to the consolidated output created by the update-ca-trust command.

/etc/pki/tls/certs/ca-bundle.trust.crt::
Classic filename, file contains a list of CA certificates in the extended BEGIN/END TRUSTED CERTIFICATE file format, which includes trust (and/or distrust) flags specific to certificate usage. This file is a symbolic link that refers to the consolidated output created by the update-ca-trust command.

/etc/pki/java/cacerts::
Classic filename, file contains a list of CA certificates trusted for TLS server authentication usage, in the Java keystore file format, without distrust information. This file is a symbolic link that refers to the consolidated output created by the update-ca-trust command.

/usr/share/pki/ca-trust-source::

Contains multiple, low priority source configuration files as explained in section <<sourceconf,SOURCE CONFIGURATION>>. Please pay attention to the specific meanings of the respective subdirectories.

/etc/pki/ca-trust/source::
Contains multiple, high priority source configuration files as explained in section <<sourceconf,SOURCE CONFIGURATION>>. Please pay attention to the specific meanings of the respective subdirectories.

/etc/pki/ca-trust/extracted::
Contains consolidated and automatically generated configuration files for consumption by applications, which are created using the 'update-ca-trust extract' command. Don't edit files in this directory, because they will be overwritten.
See section <<extractconf,EXTRACTED CONFIGURATION>> for additional details.

AUTHOR
------
Written by Kai Engert and Stef Walter.

Found in path(s):
* /opt/cola/permits/1348498798_1655827029.064334/0/ca-certificates-2020.2.41-70.0.el7_8.src.rpm-cosi-expand-archive-L3IwXukb/update-ca-trust.8.txt
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1348498798_1655827029.064334/0/ca-certificates-2020.2.41-70.0.el7_8.src.rpm-cosi-expand-archive-L3IwXukb/certdata2pem.py
No license file was found, but licenses were detected in source scan.

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NAME
----
ca-legacy - Manage the system configuration for legacy CA certificates

SYNOPSIS
--------
*ca-legacy* ['COMMAND']

DESCRIPTION
------------
ca-legacy(8) is used to include or exclude a set of legacy Certificate Authority (CA) certificates in the system's list of trusted CA certificates.

The list of CA certificates and trust flags included in the ca-certificates package are based on the decisions made by Mozilla.org according to the Mozilla CA policy.

Occasionally, removal or distrust decisions made by Mozilla.org might be incompatible with the requirements or limitations of some applications that also use the CA certificates list in the Linux environment.

The ca-certificates package might keep some CA certificates included and trusted by default, as long as it is seen necessary by the maintainers, despite the fact that they have been removed by Mozilla. These certificates are called legacy CA certificates.

The general requirements to keep legacy CA certificates included and trusted might change over time, for example if functional limitations of software packages have been resolved. Future versions of the ca-certificates package might reduce the set of legacy CA certificates that are included and trusted by default.

The ca-legacy(8) command can be used to override the default behaviour.

The mechanisms to individually trust or distrust CA certificates as described in update-ca-trust(8) still apply.

COMMANDS
--------
*check*::
The current configuration will be shown.

*default*::
Configure the system to use the default configuration, as recommended by the package maintainers.

*disable*::
Configure the system to explicitly disable legacy CA certificates.
Using this configuration, the system will use the set of included and trusted CA certificates as released by Mozilla.

*install*::
The configuration file will be read and the system configuration will be set accordingly. This command is executed automatically during upgrades of the ca-certificates package.

FILES
-----
/etc/pki/ca-trust/ca-legacy.conf::
A configuration file that will be used and modified by the ca-legacy command.
The contents of the configuration file will be read on package upgrades.

AUTHOR
------
Written by Kai Engert.

Found in path(s):
* /opt/cola/permits/1348498798_1655827029.064334/0/ca-certificates-2020.2.41-70.0.el7_8.src.rpm-cosi-expand-archive-L3IwXukb/ca-legacy.8.txt
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1348498798_1655827029.064334/0/ca-certificates-2020.2.41-70.0.el7_8.src.rpm-cosi-expand-archive-L3IwXukb/ca-certificates.spec
No license file was found, but licenses were detected in source scan.

#
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#
#
certdata.txt
#
This file contains the object definitions for the certs and other information "built into" NSS.

Object definitions:

Certificates:

- Attribute -- type -- value --
  - CKA_CLASS: CK_OBJECT_CLASS CKO_CERTIFICATE
  - CKA_TOKEN: CK_BBOOL CK_TRUE
  - CKA_PRIVATE: CK_BBOOL CK_FALSE
  - CKA_MODIFIABLE: CK_BBOOL CK_FALSE
  - CKA_LABEL: UTF8 (varies)
  - CKA_CERTIFICATE_TYPE: CK_CERTIFICATE_TYPE CKC_X_509
  - CKA_SUBJECT: DER+base64 (varies)
  - CKA_ID: byte array (varies)
  - CKA_ISSUER: DER+base64 (varies)
  - CKA_SERIAL_NUMBER: DER+base64 (varies)
  - CKA_VALUE: DER+base64 (varies)
  - CKA_NSS_EMAIL: ASCII7 (unused here)
  - CKA_NSS_SERVER_DISTRUST_AFTER: DER+base64 (varies)
  - CKA_NSS EMAIL_DISTRUST_AFTER: DER+base64 (varies)

Trust:

- Attribute -- type -- value --
  - CKA_CLASS: CK_OBJECT_CLASS CKO_TRUST
  - CKA_TOKEN: CK_BBOOL CK_TRUE
  - CKA_PRIVATE: CK_BBOOL CK_FALSE
  - CKA_MODIFIABLE: CK_BBOOL CK_FALSE
  - CKA_LABEL: UTF8 (varies)
  - CKA_ISSUER: DER+base64 (varies)
  - CKA_SERIAL_NUMBER: DER+base64 (varies)
  - CKA_CERT_HASH: binary+base64 (varies)
  - CKA_EXPIRES: CK_DATE (not used here)
  - CKA_TRUST_DIGITAL_SIGNATURE: CK_TRUST (varies)
  - CKA_TRUST_NON_REPUDIATION: CK_TRUST (varies)
  - CKA_TRUST_KEY_ENCIPHERMENT: CK_TRUST (varies)
  - CKA_TRUST_DATA_ENCIPHERMENT: CK_TRUST (varies)
  - CKA_TRUST_KEY_AGREEMENT: CK_TRUST (varies)
  - CKA_TRUST_KEY_CERT_SIGN: CK_TRUST (varies)
  - CKA_TRUST_CRL_SIGN: CK_TRUST (varies)
  - CKA_TRUST_SERVER_AUTH: CK_TRUST (varies)
  - CKA_TRUST_CLIENT_AUTH: CK_TRUST (varies)
  - CKA_TRUST_CODE_SIGNING: CK_TRUST (varies)
  - CKA_TRUST_EMAIL_PROTECTION: CK_TRUST (varies)
  - CKA_TRUST_IPSEC_END_SYSTEM: CK_TRUST (varies)
  - CKA_TRUST_IPSEC_TUNNEL: CK_TRUST (varies)
# CKA_TRUST_IPSEC_USER        CK_TRUST        (varies)
# CKA_TRUST_TIME_STAMPING     CK_TRUST        (varies)
# CKA_TRUST_STEP_UP_APPROVED  CK_BBOOL       (varies)
# (other trust attributes can be defined)
#

# The object to tell NSS that this is a root list and we don't
# have to go looking for others.
#
BEGINDATA
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_BUILTIN_ROOT_LIST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Mozilla Builtin Roots"
#
# Certificate "GlobalSign Root CA"
#
# Issuer: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Serial Number:04:00:00:00:00:01:15:4b:5a:c3:94
# Subject: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Not Valid Before: Tue Sep 01 12:00:00 1998
# Not Valid After: Fri Jan 28 12:00:00 2028
CKA_CLASS CK_OBJECT_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_ID UTF8 "0"
END

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\312\075\141\115\323\106\011\263\076\303\240\343\143\125\033\362
\272\357\255\071\134\103\271\070\243\346\057\212\046\073\357\240
\120\126\373\106\012\237\50\031\315\030\40\131\60\121\224\227\230\004
\337\303\137\224\325\025\315\11\024\101\234\304\138\155\144\025\015
\377\125\066\034\206\217\377\015\357\054\271\143\106\366\252\374
\337\274\15\113\75\056\022\110\144\232\340\225\360\246\357\051\217
\001\261\025\265\014\035\245\376\151\054\151\044\170\036\263\247
\034\161\114\236\361\12\310\227\254\027\135\212\032\370\107\206\156
\052\304\126\061\125\320\147\211\205\053\371\154\246\135\106\235
\014\252\202\344\231\121\335\160\267\333\126\075\141\344\152\341
\134\326\366\376\075\336\101\314\007\256\143\122\277\123\123\364
\053\351\107\375\266\367\202\137\205\322\101\030\333\201\126\304
\034\035\037\244\200\157\205\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 Certificate "GlobalSign Root CA"
# Issuer: CN=GlobalSign Root CA,OU=Root CA,O=GlobalSign nv-sa,C=BE
# Serial Number:04:00:00:00:00:00:01:15:4b: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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GlobalSign Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\261\274\226\213\324\364\235\142\052\250\232\201\362\025\001\122
\244\035\202\234
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\076\105\122\025\011\121\122\341\126\71\135\067\237\261\207\051\121
END

CKA_ISSUER_MULTILINE_OCTAL
\060\127\061\013\060\001\11\006\003\125\004\006\023\002\102\105\061
\031\060\027\006\003\125\004\012\230\201\154\157\142\141\154
\123\151\147\156\040\156\160\055\163\141\061\020\060\016\160\000
\125\004\013\023\007\122\157\157\164\040\013\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\013\101
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

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# Certificate "GlobalSign Root CA - R2"

# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R2
# Serial Number: 04:00:00:00:01:0f:86:26:e6:0d
# Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R2
# Not Valid Before: Fri Dec 15 08:00:00 2006
# Not Valid After: Wed Dec 15 08:00:00 2021

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_ID UTF8 "0"
CKA_ISSUER MULTIILINE_OCTAL
CKA_SERIAL_NUMBER MULTIILINE_OCTAL
CKA_VALUE MULTIILINE_OCTAL

# Trust for Certificate "GlobalSign Root CA - R2"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R2
# Serial Number:04:00:00:00:00:01:0f:86:26:e6:0d
# Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R2
# Not Valid Before: Fri Dec 15 08:00:00 2006
# Not Valid After : Wed Dec 15 08:00:00 2021

CKA_CLASS CK_OBJECT_CLASS 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 - R2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\165\340\253\266\023\205\022\047\034\004\370\137\335\070\034\267\211\027\006\014\012\023\012\107\154\157\151\154\123\151\147\156\040\122\157\151\156\040\103\010\040
\055\040\122\062\061\023\060\021\006\003\125\004\012\023\012\107\154\157\142\141\154\123\151\147\156\010\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\224\024\167\176\076\136\375\217\060\275\101\260\317\347\320\060
END

CKA_ISSUER MULTILINE_OCTAL
\060\14\06\140\060\036\006\003\125\004\013\023\027\107\154\157\142\141\154\123\151\147\156\040\122\157\151\156\040\103\010\040
\055\040\122\062\061\023\060\021\006\003\125\004\012\023\012\107\154\157\142\141\154\123\151\147\156\010\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
\001\373\303\155\271\357\104\155\171\106\061\176\012\376\251\202
\303\177\375\253\156\040\304\120\311\137\235\115\233\027\214\014
\345\001\131\240\011\152\163\123\372\245\120\264\156\045\017\373
\114\030\364\375\122\331\216\151\261\350\021\017\336\210\330\373
\035\111\367\252\336\225\317\040\170\302\140\022\333\045\100\214
\152\374\176\012\070\100\144\022\367\236\201\341\223\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

# 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
CKA_CLASS CK_OBJECT_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\021\131\061\013\060\021\011\006\030\125\004\006\023\002\125\123\061\027\060\025\060\003\125\004\012\023\016\126\145\162\151\123\151\147\156\054\040\011\115\164\056\061\037\060\035\006\003\125\004\012\023\026\126\145\162\151\123\151\147\156\040\124\162\165\163\164\040\116\145\167\157\162\153\061\072\060\070\006\003\125\004\013\023\061\050\143\015\040\061\071\071\071\040\126\145\162\151\123\151\147\156\054\040\011\115\164\056\061\037\060\035\006\003\125\004\012\023\026\126\145\162\151\123\151\147\156\040\124\162\165\163\164\040\116\145\167\157\162\153\061\072\060\070\006\003
END
CKA_ID UTF8 "0"
CKA_ISSUER_MULTILINE_OCTAL
\060\021\131\061\013\060\021\011\006\030\125\004\006\023\002\125\123\061\027\060\025\060\003\125\004\012\023\016\126\145\162\151\123\151\147\156\054\040\011\115\164\056\061\037\060\035\006\003\125\004\012\023\026\126\145\162\151\123\151\147\156\040\124\162\165\163\164\040\116\145\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\015\040\061\071\071\071\040\126\145\162\151\123\151\147\156\054\040\011\115\164\056\061\037\060\035\006\003\125\004\012\023\026\126\145\162\151\123\151\147\156\040\124\162\165\163\164\040\116\145\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\015\040\061\071\071\071\040\126\145\162\151\123\151\147\156\054\040\011\115\164\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\167\157\162\153\061\072\060\070\006\003
\125\004\013\023\061\050\143\015\040\061\071\071\071\040\126\145\162\151\123\151\147\156\054\040\011\115\164\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\167\157\162\153\061\072\060\070\006\003
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\031\077\043\351\134\333\051\275\255\125\310\033\124\214\143\366
\350\246\352\070\067\022\213\343\024\051\036\002\331\333\037\073\264
\327\017\126\110\025\004\112\257\203\047\321\205\130\021\030
\333\366\252\247\243\030\332\150\255\021\121\341\277\145\153
\237\226\166\332\075\002\000\010\000\001\060\015\006\011\052\206
\11\020\067\315\001\001\005\005\000\322\001\001\000\253\146
\215\327\263\272\073\232\266\346\125\320\005\361\237\061\125\132
\252\331\252\106\046\017\161\355\245\255\123\126\142\000\110\070\052
\104\351\376\077\164\013\023\233\271\364\115\033\262\322\113\262
\266\322\210\134\263\237\315\313\324\247\331\140\225\204\072\370
\301\067\035\141\132\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\122\145\037\304\223\074\375\117\352\237
\236\316\315\147\174\117\145\002\237\221\205\124\163\307\377\066
\367\206\055\354\320\136\117\377\021\237\162\006\326\270\032\361
\114\015\046\145\342\104\200\036\307\237\343\335\350\012\332\354
\245\040\200\015\110\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\11\12\031\176\262\034\076\040\164\333\115\230\276\362\205\0170
\023\126\171\117\155\120\352\033\269\251\276\210\067\146\130\043
\363\334\017\337\012\207\034\357\206\005\325\070\024\140\231\243
\113\336\006\226\161\105\346\323\333\266\037\344\357\077\356
END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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\135\052\225\163
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# 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
# 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

CKA_CLASS CK_OBJECT_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
060201312061013060011006003125004006023002125123
06102706002500600312500401202301261145162151123
151147156054040111156143056061037060035006003125
00401302061261145162151123115114715604011241621165
163164040111614516416715716215306110720600700061003
1250040130203061050143050104006107107107104011261145
16211511231147156054040111156143056004000550040106
15716204011411651641501571621511721451440040165163
145040157156154171061105060103060030125004003023
0741261451621511231511471560401031541411163163040
06110401201651421541511430401201621511551411162171
040103145162164151146151143141164151157156040101
1651641501571621511641710400550040107063

END
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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0
# Trust for 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",O=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Subject: CN=VeriSign Class 2 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",O=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

CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\370\276\304\143\042\311\125\066\164\213\270\035\036\112\053\366

CKA_ISSUER_MULTILINE_OCTAL
\060\020\132\061\103\060\011\060\003\125\004\006\023\002\125\123
\061\027\060\025\006\003\125\004\012\023\161\126\145\162\151\123
\151\147\156\054\040\111\156\143\056\061\037\060\035\006\003\125
\004\013\023\206\126\145\156\040\124\162\165
\163\164\040\116\145\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\130\040\120\162\151\155\141\162\171
\104\03\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\141\160\313\111\214\137\230\105\051\347\260\246\331\120
\133\172

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# Certificate "Verisign Class 3 Public Primary Certification Authority - G3"

# Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Subject: CN=VeriSign Class 3 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

CKA_CLASS CK_OBJECT_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 3 Public Primary Certification Authority - G3"

END
# Trust for Certificate "Verisign Class 3 Public Primary Certification Authority - G3"
#Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G3,O=VeriSign, Inc. - For authorized use only
#Subject: CN=VeriSign Class 3 Public Primary Certification Authority - G3,O=VeriSign, Inc. - For authorized use only
#Not Valid Before: Fri Oct 01 00:00:00 1999
#Not Valid After: Wed Jul 16 23:59:59 2036

# CKA_CLASS CK_OBJECT_CLASS 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 3 Public Primary Certification Authority - G3"
# Distrust "Distrust: O=Egypt Trust, OU=VeriSign Trust Network (cert 1/3)"
# Issuer: CN=VeriSign Class 3 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:4c:00:36:1b:e5:08:2b:a9:aa:ce:74:0a:05:3e:fb:34
# Subject: CN=Egypt Trust Class 3 Managed PKI Enterprise Administrator CA,OU=Terms of use at https://www.egypttrust.com/repository/rpa (c)08,OU=VeriSign Trust Network,O=Egypt Trust,C=EG
# Not Valid Before: Sun May 18 00:00:00 2008
# Not Valid After : Thu May 17 23:59:59 2018
# CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
# CKA_TOKEN CK_BBOOL CK_TRUE
# CKA_PRIVATE CK_BBOOL CK_FALSE
# CKA_MODIFIABLE CK_BBOOL CK_FALSE
# CKA_LABEL UTF8 "Distrust: O=Egypt Trust, OU=VeriSign Trust Network (cert 1/3)"
# CKA_ISSUER MULTILINE_OCTAL
\060\020\132\1\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\027\060\025\020\060\003\125\004\012\023\016\126\145\162\151\123
\151\147\156\054\040\111\156\143\036\060\035\006\003\125
\004\013\023\026\126\145\162\151\123\151\147\175\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\175\156\054\040\111\156\143\036\060\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\00\040\032\023
\074\126\145\162\151\123\151\147\175\156\040\103\154\141\163\163\040
\063\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171
\040\013\145\162\164\151\146\151\143\141\164\151\157\156\040\010\1
\165\164\150\157\162\151\164\171\040\055\040\107\063
END

# CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\100\002\233\176\006\111\124\161\142\157\135\166\170\356\220\110\161
\051\135\127
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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6874

# Distrust "Distrust: O=Egypt Trust, OU=VeriSign Trust Network (cert 2/3)"
# Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,OU="VeriSign, Inc.",C=US
# Subject: CN=Egypt Trust Class 3 Managed PKI Operational Administrator CA,OU=Terms of use at https://www.egypttrust.com/repository/rpa (c)08,OU=VeriSign Trust Network,OU=Egypt Trust,C=EG
# Not Valid Before: Sun May 18 00:00:00 2008
# Not Valid After : Thu May 17 23:59:59 2018
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Distrust: O=Egypt Trust, OU=VeriSign Trust Network (cert 2/3)"
CKA_ISSUER MULTILINE_OCTAL
\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\131\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\010\143\051\104\061\107\107\101\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\160\103\006\003\125\004\043\023
\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\040
\063\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\104\005\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\114\000\066\033\345\316\164\012\005\076
\373\064
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Distrust "Distrust: O=Egypt Trust, OU=VeriSign Trust Network (cert 3/3)"
# Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G3,OU="(c) 1999 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Subject: CN=Egypt Trust Class 3 Managed PKI SCO Administrator CA,OU=Terms of use at https://www.egypttrust.com/repository/rpa (c)08,OU=VeriSign Trust Network,O=Egypt Trust,C=EG
# Not Valid Before: Sun May 18 00:00:00 2008
# Not Valid After: Thu May 17 23:59:59 2018
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Distrust: O=Egypt Trust, OU=VeriSign Trust Network (cert 3/3)"
CKA_ISSUER_MULTILINE_OCTAL
\006\020\031\020\131\130\123\124\060\003\125\004\006\023\002\023\012\006\054\011\115\143\006\013\125\004\012\023\016\126\145\162\151\123\151\147\156\040\0124\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\0106\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\013\023\061\050\143\051\040\061\071\071\071\040\126\145\172\02\013\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\0106\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\013\023\061\050\143\051\040\061\071\071\071\040\126\145\024\127\061\025\025\060\003\125\004\012\023\016\126\145\162\151\123\151\147\156\040\0124\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\0106\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\013\023\061\050\143\051\040\061\071\071\071\040\126\145\024\127\061\025\025\060\003\125\004\012\023\016\126\145\162\151\123\151\147\156\040\0124\162\165\163\164\040\116\145\164\167\157\162\153\061\072\060\070\006\003
# 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


CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_ID UTF8 "0"

END
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6877
\005\062\125\212\375\262\144\114\016\344\230\000\71\165\333\177\337
\271\101\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\000\124\102\060\100\060\016\006\003\125\035
\017\001\000\137\77\004\004\003\002\001\006\060\017\006\003\125\035
\023\001\000\137\77\004\005\060\003\001\001\137\77\060\035\006\003\125
\035\016\040\026\004\040\024\125\344\201\321\200\276\330\011\271
\010\243\061\137\124\044\011\026\271\160\060\015\006\011\052\206
\110\206\367\015\001\010\005\000\003\022\000\001\000\073\233
\217\126\233\060\347\123\231\174\172\171\124\115\227\327\031\225
\220\373\000\06\373\12\063\171\106\143\121\172\226\146\044\372\100\033
\041\047\312\346\162\163\336\117\376\060\123\137\353\001\141\141\150
\123\306\020\202\023\230\372\266\255\332\135\073\361\136\156\366
\025\021\224\202\014\356\077\225\257\021\125\017\327\057\336\037
\003\017\127\054\036\311\127\323\023\010\142\225\353\030\117\246\037
\135\175\172\020\057\233\004\011\132\202\045\156\330\035\072\341
\132\26\363\121\154\171\136\171\103\042\105\343\120\114\223\073\145
\074\355\333\079\126\246\345\193\225\193\303\026\135\035\176\133
\171\373\043\153\150\031\131\022\103\047\134\000\035\157\060\320
\036\266\102\125\336\132\367\321\125\250\047\124\365\017\11\211
\171\231\063\127\272\022\256\025\134\010\154\223\312\126\336\376
\115\2041\130\102\131\167\215\352\123\203\041\103\363\134\074\171
\057\136\237\321\114\025\015\341\135\040\020\134\123\103\101\227
\334\200\202\152\263\147\233\157\110\010\025\126\127\027\061\053
\174\136\232\160\351\131\120\035\174\103\065\021\145\121

END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Entrust.net Premium 2048 Secure Server CA"
# Issuer: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net # Serial Number: 946069240 (0x3863def8)
# Subject: CN=Entrust.net Certification Authority (2048),OU=(c) 1999 Entrust.net Limited,OU=www.entrust.net/CPS_2048 incorp. by ref. (limits liab.),O=Entrust.net # Not Valid Before: Fri Dec 24 17:50:51 1999
# Not Valid After : Tue Jul 24 14:15:12 2029
CKA_CLASS CK_OBJECT_CLASS 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
# 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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6881

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\037\044\230\041\134\007\231\051\275\306\072\354\347\156\206\072
\153\227\164\143\063\273\155\030\061\360\170\215\166\277\374\236
\216\135\052\206\247\115\220\334\047\032\071\010\002\003\001\000\001
\243\105\060\103\060\035\066\003\125\035\160\004\26\004\024\345
\235\131\060\020\107\130\314\254\372\010\124\066\206\173\072\265
\004\115\360\060\060\220\060\031\252\035\023\001\001\377\004\010\060
\006\001\000\137\070\001\003\060\016\006\003\125\035\017\001\001
\377\004\000\403\000\020\001\006\060\015\006\011\052\206\110\206\376
\010\001\010\005\050\000\03\202\001\000\020\051\143\216\344
\157\121\150\102\005\240\335\273\117\047\045\204\003\275\367\144
\375\055\327\060\343\244\020\027\353\332\205\051\266\171\077\166
\366\031\023\043\270\020\012\371\130\244\324\141\160\275\004\141
\152\022\212\027\325\012\275\030\246\060\017\326\351\014\045\215
\206\100\117\354\314\243\176\070\036\067\021\117\355\335\150\006
\216\14\322\026\300\116\435\026\165\136\007\110\032\177\160\377
\026\134\024\030\171\205\270\005\375\177\276\145\021\243\017\300
\002\226\370\122\067\071\000\43\252\206\061\172\030\277\240\052\264
\022\231\367\243\105\022\343\071\143\136\136\363\253\236\265\310\236\174
\056\310\244\236\116\010\242\113\155\375\160\155\153\032\143\275
\144\346\037\267\013\163\060\273\237\056\273\033\267\362\120\210\163
\222\032\034\323\026\215\232\062\002\253\216\030\335\351\020\020
\356\176\065\253\220\257\076\260\224\172\320\063\075\247\145\017
\365\374\126\124\317\107\040\054\001\135\273\035\265\062\322
\107\322\070\056\320\376\201\334\062\152\036\265\356\074\325\374
\347\201\035\031\303\044\102\352\143\071\251
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Baltimore CyberTrust Root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\324\336\040\320\136\146\374\123\376\032\120\210\054\170\333\050
\122\312\144|164

END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
```
## 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 (MD5): D6:A5:C3:ED:5D:DD:3E:00:C1:3D:87:92:1F:1D:3F: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 "Entrust Root Certification Authority"

### CKA_CERTIFICATE_TYPE
CK_CERTIFICATE_TYPE CKC_X_509

### CKA_SUBJECT
MULTILINE_OCTAL

### CKA_SERIAL_NUMBER
MULTILINE_OCTAL

### CKA_TRUST_SERVER_AUTH
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

### CKA_TRUST_EMAIL_PROTECTION
CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

### CKA_TRUST_CODE_SIGNING
CK_TRUST CKT_NSS_MUST_VERIFY_TRUST

### CKA_TRUST_STEP_UP_APPROVED
CK_BBOOL CK_FALSE
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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 (MD5): D6:A5:C3:ED:5D:DD:3E:00:C1:3D:87:92:1F:1D:3F: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 "Entrust Root Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\263\036\261\267\100\343\154\204\002\332\334\067\324\115\365\324
\147\111\122\371
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\326\245\303\355\135\335\076\000\301\075\207\222\037\035\077\344
END
CKA_ISSUER MULTILINE_OCTAL
\060\020\260\060\013\060\001\11\060\003\125\004\006\023\002\125\123
\061\020\260\060\024\006\003\125\004\012\023\015\105\156\164\162\165
\163\164\050\040\011\156\143\056\061\071\060\067\006\003\125\004
\103\020\260\060\167\167\160\056\145\156\164\162\165\163\164\056\156
\145\164\057\103\120\123\040\015\163\040\015\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\015\156\164\162\165\163\164\054\040
\111\156\143\056\061\055\060\053\006\003\125\004\003\023\044\105
\156\164\162\165\163\164\040\122\157\157\164\040\103\145\162\164
\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162
\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\015\13\12\12
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 "GeoTrust Global CA"

# Issuer: CN=GeoTrust Global CA,O=GeoTrust Inc.,C=US
# Serial Number: 144470 (0x23456)
# Subject: CN=GeoTrust Global CA,O=GeoTrust Inc.,C=US
# Not Valid Before: Tue May 21 04:00:00 2002
# Not Valid After : Sat May 21 04:00:00 2022
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GeoTrust Global CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\012\060\010\013\060\011\006\003\125\004\006\023\002\125\123\061
\026\060\024\006\003\125\004\012\023\015\107\145\157\124\162\165
\163\164\040\111\156\143\056\061\033\060\031\006\003\125\004\003
\023\022\107\145\157\124\162\165\163\164\040\107\154\157\142\141
\154\040\103\101
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\012\060\010\013\060\011\006\003\125\004\006\023\002\125\123\061
\026\060\024\006\003\125\004\012\023\015\107\145\157\124\162\165
\163\164\040\111\156\143\056\061\033\060\031\006\003\125\004\003
\023\022\107\145\157\124\162\165\163\164\040\107\154\157\142\141
\154\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\003\002\064\126
END
CKA_VALUE MULTILINE_OCTAL
\060\012\060\015\005\060\011\052\020\126\010\026\036\151\150\001\100\005\005
\000\100\010\102\061\103\060\011\006\003\125\004\006\023\002\125\123
\061\012\060\024\006\003\125\004\012\023\015\107\145\157\124\162\165
\165\165\164\040\111\156\143\056\061\033\060\031\006\003\125\004
\003\020\022\107\145\157\124\162\165\163\164\040\107\154\157\142\142
\141\154\040\103\101\060\003\063\027\150\156\062\060\065\062\061\060
\064\160\060\060\060\060\060\013\020\015\062\062\062\060\065\062\061\060
\060\060\060\060\060\013\020\012\061\013\060\011\006\003\125\004\006
\023\020\012\123\061\026\060\024\006\003\125\004\012\023\015\107
\145\157\124\162\165\163\164\040\111\156\143\056\061\033\060\031
\006\003\125\004\003\023\022\107\145\157\124\162\165\163\164\040
\107\154\157\142\141\154\040\103\101\060\020\012\061\014\060\015\006
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6891

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "GeoTrust Universal CA"
# Issuer: CN=GeoTrust Universal CA,O=GeoTrust Inc.,C=US
# Serial Number: 1 (0x1)
# Not Valid Before: Thu Mar 04 05:00:00 2004
# Not Valid After : Sun Mar 04 05:00:00 2029
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GeoTrust Universal CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\346\041\363\065\103\171\005\232\113\060\235\057\164\042\025\023\107\145\157\124\162\165\163\164\040\125\156\151\166\145\162\163\141\154\040\103\101
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\222\145\130\213\242\032\061\162\163\150\134\264\245\172\007\110
END

CKA_ISSUER_MULTILINE_OCTAL
\104\332\117\371\003\350\360\024\313\077\363\203\336\320\301\124\334\267\350\120\067\115\213\040\131\000\360\031\241\054\310\275\021\037\337\256\311\112\230\073\146\146\206\254\150\221\377\331\346\123\034\017\134\151\145\012\246\310\036\064\303\135\121\173\327\251\234\006\241\066\335\325\211\224\274\331\344\055\014\136\011\154\010\227\174\243\075\174\223\377\077\241\024\247\317\265\135\353\333\333\340\160\337\210\271\275\105\005\225\033\256\374\106\152\112\425\11\034\316\256\017\222\176\353\346\154\234\117\201\152\172\144\254\273\076\325\347\313\166\056\305\247\110\301\134\220\017\317\313\010\077\372\346\062\341\215\033\157\244\346\216\330\371\051\110\212\316\163\376\054
END

END
# Certificate "GeoTrust Universal CA 2"

# Issuer: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Serial Number: 1 (0x1)
# Subject: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Not Valid Before: Thu Mar 04 05:00:00 2004
# Not Valid After : Sun Mar 04 05:00:00 2029

# Certificate "GeoTrust Universal CA 2"

# Issuer: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Serial Number: 1 (0x1)
# Subject: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Not Valid Before: Thu Mar 04 05:00:00 2004
# Not Valid After : Sun Mar 04 05:00:00 2029

# Certificate "GeoTrust Universal CA 2"

# Issuer: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Serial Number: 1 (0x1)
# Subject: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Not Valid Before: Thu Mar 04 05:00:00 2004
# Not Valid After : Sun Mar 04 05:00:00 2029

# Certificate "GeoTrust Universal CA 2"

# Issuer: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Serial Number: 1 (0x1)
# Subject: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Not Valid Before: Thu Mar 04 05:00:00 2004
# Not Valid After : Sun Mar 04 05:00:00 2029

# Certificate "GeoTrust Universal CA 2"

# Issuer: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Serial Number: 1 (0x1)
# Subject: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Not Valid Before: Thu Mar 04 05:00:00 2004
# Not Valid After : Sun Mar 04 05:00:00 2029
SELECT CKA_CLASS, CKA_TOKEN, CKA_PRIVATE, CKA_MODIFIABLE, CKA_LABEL, CKA_CERT_SHA1_HASH FROM OPEN_SOURCE
WHERE CKA_LABEL = 'GeoTrust Universal CA 2';

# Trust for Certificate "GeoTrust Universal CA 2"
# Issuer: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Serial Number: 1 (0x1)
# Subject: CN=GeoTrust Universal CA 2,O=GeoTrust Inc.,C=US
# Not Valid Before: Thu Mar 04 05:00:00 2004
# Not Valid After : Sun Mar 04 05:00:00 2029

# These attributes are set to true to indicate that the certificate is trusted
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GeoTrust Universal CA 2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
CKA_CLASS CK_OBJECT_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
\067\232\031\173\101\205\105\065\014\246\003\151\363\074\056\125\123\061
\107\117\040\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_CIRCULARITY MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_ID CK_UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_CIRCULARITY MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_ID CK_UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_CIRCULARITY MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_ID CK_UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001
END
CKA_CIRCULARITY MULTILINE_OCTAL
\064\374\270\320\066\333\236\024\263\302\362\333\217\344\224\307
END
CKA_ID CK_UTF8 "0"

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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\064\216\006\010
\121\261\201\030
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\054\217\237\146\035\030\220\261\107\046\235\216\06\202\214\251
END
CKA_ISSUER MULTILINE_OCTAL
\06\07\06\01\13\06\01\00\06\03\12\05\04\00\06\02\02\12\01\14\061
\03\06\03\11\06\03\12\05\04\01\02\02\22\12\15\151\172\145\164
\157\04\12\16\05\04\00\17\04\01\15\05\06\15\05\06\01\02\06\00\020
\00\06\03\12\05\04\00\03\02\3\01\10\3\14\5\162\164\165\155\04\01\03\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\00\02\03\00\01\00\00\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"
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6899
# Trust for 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


CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL
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"
#
# Issuer: CN=QuoVadis Root Certification Authority,OU=Root Certification Authority,O=QuoVadis
Limited,C=BM
# Serial Number: 985026699 (0x3ab6508b)
# Subject: CN=QuoVadis Root Certification Authority,OU=Root Certification Authority,O=QuoVadis
Limited,C=BM
# Not Valid Before: Mon Mar 19 18:33:33 2001
# Not Valid After : Wed Mar 17 18:33:33 2021
# Fingerprint (MD5): 27:DE:36:FE:72:B7:00:03:00:9D:F4:F0:1E:6C:04:24
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\177\061\130\066\011\106\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\045\060\043\006\003
\125\004\013\023\034\122\157\157\164\040\010\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\061\056\060\054\006\003\125\004\003\023\020\125\161\165\157\126
\141\144\151\163\040\122\157\157\164\040\010\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\177\061\103\060\011\106\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\045\060\043\006\003
\125\004\013\023\034\122\157\157\164\040\010\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\061\056\060\054\006\003\125\004\003\023\020\125\161\165\157\126
\141\144\151\163\040\122\157\157\164\040\010\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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0
# Trust for Certificate "QuoVadis Root CA"

# Issuer: CN=QuoVadis Root Certification Authority,OU=Root Certification Authority,O=QuoVadis Limited,C=BM
# Serial Number: 985026699 (0x3ab6508b)
# Subject: CN=QuoVadis Root Certification Authority,OU=Root Certification Authority,O=QuoVadis Limited,C=BM

# Not Valid Before: Mon Mar 19 18:33:33 2001
# Not Valid After: Wed Mar 17 18:33:33 2021
# Fingerprint (MD5): 27:DE:36:FE:72:B7:00:03:00:9D:F4:F0:1E:6C:04:24

CKA_CLASS CK_OBJECT_CLASS 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"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\336\077\100\275\120\223\323\233\154\140\366\332\274\007\142\001\000\211\166\311
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\047\336\066\376\162\267\000\003\000\235\364\360\036\154\004\044
END

CKA_ISSUER MULTILINE_OCTAL
\060\177\061\13\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\045\060\043\006\003
\125\004\010\023\034\122\157\157\164\040\010\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\061\056\060\054\006\003\125\004\003\023\034\121\165\157\126
\141\144\151\163\040\122\157\157\164\040\010\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\072\266\120\213
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

```
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "QuoVadis Root CA 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\036\060\011\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\011\040\062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\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\011\040\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\002\000\005\011
END
CKA_VALUE MULTILINE_OCTAL
\060\105\061\013\060\011\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\011\040\062
```

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6905
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "QuoVadis Root CA 2"
# Issuer: CN=QuoVadis Root CA 2,O=QuoVadis Limited,C=BM
# Serial Number: 1289 (0x509)
# Not Valid Before: Fri Nov 24 18:27:00 2006
# Not Valid After : Mon Nov 24 18:23:33 2031

CKA_NSS_MOZILLA_CA_POLICY
CKA_NSS_SERVER_DISTRUST_AFTER
CKA_NSS_EMAIL_DISTRUST_AFTER
CKA_TOKEN
CKA_PRIVATE
CKA_MODIFIABLE
CKA_LABEL UTF8 "QuoVadis Root CA 2"
# 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 After : Mon Nov 24 19:06:44 2031

# 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 After : Mon Nov 24 19:06:44 2031
Open Source Used In Crosswork Change Automation and Health Insight.4.3.0  6909
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 6910
# Trust for Certificate "QuoVadis Root CA 3"
# Issuer: CN=QuoVadis Root CA 3,O=QuoVadis Limited,C=BM
# Serial Number: 1478 (0x5c6)
# Not Valid After : Mon Nov 24 19:06:44 2031
CKA_CLASS CK_OBJECT_CLASS 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"

END
# 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

CKA_CLASS CK_OBJECT_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
\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\036
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

CKA_CLASS CK_OBJECT_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\130\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_ISSUERMULTILINE_OCTAL
\060\120\061\130\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\000\100
END
\161\245\062\252\057\306\211\166\103\100\023\023\147\075\242\124
\045\020\313\361\072\362\333\111\126\273\246\376\247\101
\065\303\340\210\141\131\121\030\73\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\123\310\134\102\121\225\107\003
\214\154\041\314\164\102\355\123\377\063\213\217\017\127\001\026
\057\317\246\134\011\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 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Security Communication Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\066\261\053\111\371\201\236\124\117\343\114\102\023\036\123\145\143\165\162\151\157\156\040\122\157\157\164\103
\101\061
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\361\274\143\152\124\340\265\047\365\315\347\032\343\115\156\112
END
CKA_ISSUER MULTILINE_OCTAL
\060\120\061\130\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\115\145\164\061\047\060\045\006\003\125
\004\103\023\012\163\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 "Sonera Class 2 Root CA"

# Issuer: CN=Sonera Class2 CA,O=Sonera,C=FI
# Serial Number: 29 (0x1d)
# Subject: CN=Sonera Class2 CA,O=Sonera,C=FI
# Not Valid Before: Fri Apr 06 07:29:40 2001
# Not Valid After: Tue Apr 06 07:29:40 2021

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Sonera Class 2 Root CA"

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\106\111\061
\017\060\015\006\003\125\004\012\023\006\123\157\156\145\162\141
\061\031\060\027\006\003\125\004\003\023\020\123\157\156\145\162
\141\040\013\154\141\163\163\062\040\013\101

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\106\111\061
\017\060\015\006\003\125\004\012\023\006\123\157\156\145\162\141
\061\031\060\027\006\003\125\004\003\023\020\123\157\156\145\162\141
\040\013\154\141\163\163\062\040\013\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\035

END

CKA_VALUE MULTILINE_OCTAL
\060\020\003\040\060\020\002\001\024\003\002\001\002\002\001\035
\060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\071\061\013\060\011\006\003\125\004\006\023\002\106\111\061\017
\060\015\006\003\125\004\012\023\006\123\157\156\145\162\141\061
\031\060\027\006\003\125\004\003\023\020\123\157\156\145\162\141
\040\013\154\141\163\163\062\040\013\101
\060\064\060\060\060\060\067\062\071\064\060\132\027\015\062\061\060
\064\060\060\060\067\062\071\064\060\132\060\071\061\013\060\011
\006\060\03\125\004\006\023\002\106\111\061\017\060\015\006\003\125
\004\012\023\006\123\157\156\145\162\141\061\031\060\027\006\003
\125\004\003\023\020\123\157\156\145\162\141\040\013\154\141\163
\163\062\040\013\101\060\020\001\042\060\015\006\011\015\052\061\110
\026\036\015\015\001\001\001\005\000\003\020\001\017\000\060\020\001
\012\002\020\001\001\000\020\027\112\065\235\312\360\015\226\307
\104\372\026\067\374\110\275\275\177\200\055\065\073\341\157\250
END

# Trust for Certificate "Sonera Class 2 Root CA"
# Issuer: CN=Sonera Class2 CA,O=Sonera,C=FI
# Serial Number: 29 (0x1d)
# Subject: CN=Sonera Class2 CA,O=Sonera,C=FI
# Not Valid Before: Fri Apr 06 07:29:40 2001
# Not Valid After : Tue Apr 06 07:29:40 2021
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Sonera Class 2 Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\067\367\155\346\007\174\220\305\261\076\223\032\267\101\020\264
\362\344\232\047
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\243\354\165\017\056\210\337\372\110\001\116\013\134\110\157\373
END
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\106\111\061
\017\060\015\006\003\125\004\012\023\006\123\157\156\145\162\141
\061\031\060\027\006\003\125\004\003\023\020\123\157\156\145\162
\141\040\103\154\141\163\163\062\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\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 "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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Camerfirma Chambers of Commerce Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\177\061\013\060\011\006\003\125\004\006\023\002\105\125\061
\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155
# Trust for 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


CKA_CLASS CK_OBJECT_CLASS 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\n\060\141\360\261

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\260\001\356\024\331\257\051\030\224\166\216\361\151\063\052\204

CKA_ISSUER MULTILINE_OCTAL
\060\017\061\013\060\011\006\003\125\004\006\023\002\105\125\061\n\047\060\045\006\003\125\004\012\023\036\101\103\040\103\141\155\n\145\162\146\151\162\155\141\040\123\101\104\010\103\111\106\040\101\n\070\062\067\064\063\062\067\067\061\043\061\060\010\012\023\010\003\125\004\n\013\023\032\150\164\164\160\027\057\057\167\167\167\056\143\150\n\141\155\142\145\162\163\151\147\156\056\157\162\147\061\042\006\n\040\006\003\125\004\003\023\031\103\150\141\155\142\145\162\163\n\040\157\146\040\010\157\155\155\145\162\143\145\040\122\157\157\n\164

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\100

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_ID UTF8 "0"

CKA_LABEL UTF8 "Camerfirma Global Chambersign Root"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\001\060\015\006\011\003\125\004\006\023\002\105\125\061
\047\040\045\006\003\125\004\012\023\036\103\103\040\103\141\155
\145\162\146\151\162\155\141\140\123\101\040\103\111\106\040\101
\070\062\067\064\063\062\070\067\061\043\060\041\060\003\125\004
\101\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
\001\002\001\000

END

CKA_VALUE MULTILINE_OCTAL
\001\020\004\305\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
# Trust for 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 16:14:20 2037


CKA_CLASS CK_OBJECT_CLASS 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
# Certificate "XRamp Global CA Root"

# Issuer: CN=XRamp Global Certification Authority,O=XRamp Security Services Inc,OU=www.xrampsecurity.com,C=US


# 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 (MD5): A1:0B:44:B3:CA:10:D8:00:6E:9D:0F:D8:0F:92:0A: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 "XRamp Global CA Root"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
0601750601010006003112500401020303610110304001031411155
14516214615116215514110412310110401031111060104101
0700620670640630620700670610430604100060031125004
011302303215016416416007205705716716716716717056143150
1411551421451621631511471561561561561561621470611040106
036006000311250040030230271071541571421411541040103
150141155142145162163151147156156152122157157164

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
002001000

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
End

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Go Daddy Class 2 CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL \047\226\272\346\077\030\001\342\167\046\033\240\327\167\002
\217\040\356\344
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL \221\336\006\045\253\332\375\062\027\014\273\045\027\052\204\147
END
CKA_ISSUER MULTILINE_OCTAL \060\143\061\013\060\001\100\060\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\014\114\144\144\171\040\107\162\157\165\160\054\040\111\156
\143\056\061\061\060\057\006\003\125\004\013\023\050\107\157\040
\104\141\144\144\171\040\103\154\141\163\163\040\062\040\103\145
\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL \002\001\000
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

#
# Certificate "Starfield Class 2 CA"
#
# Issuer: OU=Starfield Class 2 Certification Authority,O="Starfield Technologies, Inc." C=US
# Serial Number: 0 (0x0)
CKA_CLASS CK_OBJECT_CLASS 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"

# Trust for 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

CKA_CLASS CK_OBJECT_CLASS 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"

# Certificate "Taiwan GRCA"
# Issuer: O=Government Root Certification Authority,C=TW
# Subject: O=Government Root Certification Authority,C=TW
# Not Valid Before: Thu Dec 05 13:23:33 2002
# Not Valid After: Sun Dec 05 13:23:33 2032
CKA_CLASSCK_OBJECT_CLASSCKO_CERTIFICATE
CKA_TOKENCK_BBOOLCK_TRUE
CKA_PRIVATECK_BBOOLCK_FALSE
CKA_MODIFIABLECK_BBOOLCK_FALSE
CKA_LABELUTF8 "Taiwan GRCA"
CKA_CERTIFICATE_TYPECK_CERTIFICATE_TYPECKC_X_509
CKA_SUBJECTMULTILINE_OCTAL
\060\077\061\013\060\011\006\003\125\004\006\023\002\012\127\061
\060\060\056\006\003\125\004\012\014\047\010\157\166\145\162\156
\155\145\156\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_IDUTF8 "0"
CKA_ISSUER_MULTILINE_OCTAL
\060\077\061\013\060\011\006\003\125\004\006\023\002\012\127\061
\060\060\056\006\003\125\004\012\014\047\010\157\166\145\162\156
\155\145\156\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_NUMBERMULTILINE_OCTAL
\002\020\037\235\131\132\327\057\302\006\010\245\200\010\151\134
\136\346
END

CKA_VALUEMULTILINE_OCTAL
\060\020\005\162\060\020\003\132\240\003\002\001\002\002\020\037
\235\131\132\327\057\302\006\010\245\200\010\151\134\136\346
\015\006\011\052\206\110\020\367\150\011\001\005\005\000\060\077
\061\013\060\011\006\003\125\004\006\023\002\012\127\061\060\060
\056\006\003\125\004\012\014\047\010\157\166\145\162\156
\155\145\156\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

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# Trust for Certificate "Taiwan GRCA"
# Issuer: O=Government Root Certification Authority,C=TW
# Subject: O=Government Root Certification Authority,C=TW
# Not Valid Before: Thu Dec 05 13:23:33 2002
# Not Valid After: Sun Dec 05 13:23:33 2032

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Taiwan GRCA"

END
# 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:fc: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
CKA_CLASS CK_OBJECT_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
\067\205\104\123\062\105\037\040\360\363\225\341\045\304\103\116\ END
CKA_ISSUER MULTILINE_OCTAL
\067\205\104\123\062\105\037\040\360\363\225\341\045\304\103\116\ END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\020\020\037\235\131\132\327\057\302\006\104\245\200\010\151\343\136\366\ 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

#
# Trust for Certificate "DigiCert Assured ID Root CA"
# Issuer: CN=DigiCert Assured ID Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# Serial Number:0ce8e7e0e5:17d8342e61:276716s1750756363267046
# Not Valid Before: Fri Nov 10 00:00:00 2006
# Not Valid After : Mon Nov 10 00:00:00 2031
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Assured ID Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\005\143\270\143\015\142\327\132\273\310\253\036\113\337\265\250
\231\126\115\103
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\020\161\235\255\324\230\371\303\313\212\126\75\053\007\101\316\056
\346\120\262\247\372\012\105\057\242\360\362
END
# Certificate "DigiCert Global Root CA"

# Issuer: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Global Root CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\073\040\027\030\014\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\010\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\017\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\014\151\147\151
\103\145\162\164\040\101\11\163\165\162\145\144\040\111\104\040
\122\157\157\164\040\103\101

CKA_ISSUER MULTILINE_OCTAL
\060\073\040\027\030\014\013\060\011\006\003\125\004\006\023\002\125\123\061
\025\060\023\006\003\125\004\012\023\014\010\151\147\151\103\145
\162\164\040\111\156\143\061\031\060\027\006\003\125\004\013\023
\020\017\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\014\151\147\151
\103\145\162\164\040\101\11\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
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "DigiCert Global Root CA"
# Issuer: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "DigiCert Global Root CA"
# Issuer: CN=DigiCert Global Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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

END
OPEN SOURCE USED IN CROSSWORK CHANGE AUTOMATION AND HEALTH INSIGHT 4.3.0

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

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
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

CKA_SUBJECT MULTILINE_OCTAL

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

END

CKA_SUBJECT MULTILINE_OCTAL
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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "DigiCert High Assurance EV Root CA"
# Issuer: CN=DigiCert High Assurance EV Root CA,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

# Label: UTF8 "DigiCert High Assurance EV Root CA"

END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\137\267\356\006\063\255\014\114\232\346\000\202\175\124\327\251
\370\351\056\023\243\167\350\037\112

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\324\164\336\127\134\071\262\323\234\205\203\305\000\145\111\212

END

CKA_ISSUER MULTILINE_OCTAL
# Trust for Certificate "DST Root CA X3"
# Issuer: CN=DST Root CA X3,O=Digital Signature Trust Co.
# Subject: CN=DST Root CA X3,O=Digital Signature Trust Co.
# Not Valid Before: Sat Sep 30 21:12:19 2000
# Not Valid After : Thu Sep 30 14:01:15 2021
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DST Root CA X3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\332\311\002\117\124\330\366\337\224\223\137\261\163\046\070\312
\152\327\174\023
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\101\003\122\334\017\367\120\033\026\360\002\216\272\157\105\305
END
CKA_ISSUER MULTILINE_OCTAL
\060\077\061\044\060\042\006\003\125\004\012\023\033\104\151\147
\151\164\141\154\040\123\151\147\156\141\164\165\162\145\040\124
\162\165\163\164\040\103\157\056\061\027\060\025\006\003\125\004
\003\023\016\041\123\124\040\122\157\157\164\040\103\101\040\130
\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\104\257\269\200\032\261\243\047\272\211\060\071\206\056\370
\100\153
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# 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

CKA_CLASS CK_OBJECT_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

END

CKA_ID UTF8 "0"

END

CKA_VALUE MULTILINE_OCTAL
\060\111\061\103\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\104\060\041\006\003\125\004\003\023\032\123\167\151\163\163\123\151\147\156\040\120\154\141\164\151\156\165\155\040\103\101\040\055\040\107\062

END

CKA_ISSUER MULTILINE_OCTAL
\060\111\061\103\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\104\060\041\006\003\125\004\003\023\032\123\167\151\163\163\123\151\147\156\040\120\154\141\164\151\156\165\155\040\103\101\040\055\040\107\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\116\262\000\014\70\140\003\135\117

END

CKA_VALUE_MULTILINE_OCTAL
\060\020\005\031\060\022\003\251\124\003\002\001\002\002\101\011\026\000\147\014\003\135\117\060\015\006\011\052\026\011\026\036\015\015\010\005\005\005\000\060\011\061\013\060\011\006\003\125\004\006\023\002\103\110\061\102\056\020\156\154\141\164\151\156\165\155\040\103\101\040\055\040\107\062

END

CKA_VALUE_MULTILINE_OCTAL
\060\120\027\015\063\060\061\014\060\062\026\056\060\070\063\066\060\060\132\060\111\061\013\060\011\006\003\125\004\006\023\002\103\110

END
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
\060\042\110\320\325\101\070\045\135\244\351\135\237\306\224\165
\320\105\375\060\227\103\217\220\253\012\307\206\163\140\112\151
\055\336\245\170\327\006\332\152\236\113\076\167\072\040\023\042
\001\320\277\150\236\143\140\153\065\115\013\155\272\241\075\300
\223\340\177\043\263\125\255\162\045\116\106\371\132\026\357\260
\144\010\001\236\351\132\240\152\230\016\317\330\140\362\057\111
\270\344\102\341\070\065\026\364\101\156\173\367\201\126\350\272
\243\276\043\257\256\137\003\034\002\073\060\166\372\033\155
\101\137\002\261\126\351\127\031\146\163\364\333\046\363\072\244\164\362
\111\044\133\111\260\320\127\031\137\026\156\172\234\111\11
END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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 After : Sat Oct 25 08:30:35 2036
CKA_CLASS CK_OBJECT_CLASS 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\037\156\324\172\346\105\045\072\157
\237\032\047\141
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\044\167\331\250\022\321\073\372\210\055\302\377\370\315\063\223
END
CKA_ISSUER MULTILINE_OCTAL
\060\015\060\011\100\006\003\125\004\006\023\002\103\110\061
\025\060\023\006\003\125\004\012\023\014\123\167\151\163\163\123
\151\147\156\040\101\107\061\037\060\035\006\003\125\004\003\023
\026\123\167\151\163\163\123\151\147\156\040\107\157\154\144\040
\103\101\040\055\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\273\100\034\103\365\136\117\260
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# 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 After: Sat Oct 25 08:32:46 2036

CKA_CLASS CK_OBJECT_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\103\060\001\110\066\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\010\107\061\041\060\037\006\003\125\004\003\023
\030\123\167\151\163\163\123\151\147\156\040\123\151\154\166\145
\162\040\103\101\040\055\040\107\062
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\107\061\103\060\001\110\066\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\010\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\020\101\117\033\324\057\124\273\057\1113
END

CKA_VALUE MULTILINE_OCTAL
\060\202\005\275\060\202\003\245\240\003\002\001\002\002\010\117
\033\324\057\124\273\057\1113\060\015\006\011\052\206\110\206\063\067
\015\001\001\005\005\006\060\107\061\030\060\011\006\003\125\004
\006\023\002\103\110\061\025\060\023\030\060\033\125\004\012\023\014
\123\167\151\163\163\163\123\151\147\156\040\101\107\061\041\060\037
\060\003\125\004\003\023\030\123\167\151\163\163\123\151\147\156
\040\123\151\154\166\145\156\040\103\101\040\055\040\107\062\060
\036\020\151\060\066\060\062\065\060\070\063\062\064\066\132
\027\015\063\060\061\060\062\065\060\070\063\062\064\066\132\060
\107\061\013\060\011\006\003\125\004\006\023\002\103\110\061\025
\060\023\006\033\125\004\012\023\014\123\167\151\163\163\123\151
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

# Trust for 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 After : Sat Oct 25 08:32:46 2036

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
# Certificate "GeoTrust Primary Certification Authority"

# Issuer: CN=GeoTrust Primary Certification Authority,O=GeoTrust Inc.,C=US
# Subject: CN=GeoTrust Primary Certification Authority,O=GeoTrust Inc.,C=US
# Not Valid Before: Mon Nov 27 00:00:00 2006
# Not Valid After: Wed Jul 16 23:59:59 2036

# CKA_TOKEN CK_BBOOL CK_TRUE
# CKA_PRIVATE CK_BBOOL CK_FALSE
# CKA_MODIFIABLE CK_BBOOL CK_FALSE
# CKA_LABEL UTF8 "GeoTrust Primary Certification Authority"
# CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
# CKA_SUBJECT MULTILINE_OCTAL
# CKA_SERIAL_NUMBER MULTILINE_OCTAL
# CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

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# Trust for Certificate "GeoTrust Primary Certification Authority"
# Issuer: CN=GeoTrust Primary Certification Authority,O=GeoTrust Inc.,C=US
# Subject: CN=GeoTrust Primary Certification Authority,O=GeoTrust Inc.,C=US
# Not Valid Before: Mon Nov 27 00:00:00 2006
# Not Valid After : Wed Jul 16 23:59:59 2036

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GeoTrust Primary Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\062\074\021\216\033\367\270\266\122\124\342\342\020\015\326\002
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\002\046\303\001\136\010\067\103\251\132\0175\317\067\346\277

## Certificate "thawte Primary Root CA"

# Issuer: CN=thawte Primary Root CA,OU="(c) 2006 thawte, Inc. - For authorized use only",OU=Certification Services Division,O="thawte, Inc.",C=US
# Subject: CN=thawte Primary Root CA,OU="(c) 2006 thawte, Inc. - For authorized use only",OU=Certification Services Division,O="thawte, Inc.",C=US
# Not Valid Before: Fri Nov 17 00:00:00 2006
# Not Valid After : Wed Jul 16 23:59:59 2036

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "thawte Primary Root CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT_MULTILINE_OCTAL
060008010500040004000103060301250003012500040006020200211251123
061000000331250040010202301416411501411671164
14505404011115614305606105006004600600312500040113
02300371031451621641511461143114116411511571156040
123145162166151143145163041041151661511631411157
15606107060606600606031250040130230570501430515040
06206006006004016415014116711641450540401111561143
05604005040106115711620404116156115015711621511172
1451440401651631450401571156154171061037060035006
0031250040030230261641501411671164145040120162151
15511411621710401221157157164040103101
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "thawte Primary Root CA"
# Issuer: CN=thawte Primary Root CA,OU="(c) 2006 thawte, Inc. - For authorized use only",OU=Certification Services Division,O="thawte, Inc.,C=US
# Not Valid Before: Wed Nov 08 00:00:00 2006
# Not Valid After : Wed Jul 16 23:59:59 2036

CKA_CLASS CK_OBJECT_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 3 Public Primary Certification Authority - G5"
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\060\003\125\004\012\023\016\126\145\162\151\123\151\147\156\054\011\015\016\023\002\125\123\151\147\156\054\016\037\060\035\006\003\125\004\010\023\016\126\145\162\151\123\151\147\156\040\124\162\165\163\164\140\116\145\162\167\157\162\153\061\072\060\070\006\003\125\004\013\023\030\130\147\156\054\010\115\156\143\056\040\055\040\106\157\162\140\114\165\164\150\157\162\151\172\145\144\165\163\145\150\176\154\171\061\105\060\010\036\003\125\004\003\102\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\160\063\140\120\165\142\154\151\143\104\120\162\151\155\141\162\171\104\103\145\162\164\151\146\151\143\114\164\151\157\156\160\010\165\164\150\157\162\151\164\171\104\105\100\107\065
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\060\003\125\004\012\023\016\126\145\162\151\123\151\147\156\054\011\015\016\023\002\125\123\151\147\156\054\016\037\060\035\006\003\125\004\010\023\016\126\145\162\151\123\151\147\156\040\124\162\165\163\164\140\116\145\162\167\157\162\153\061\072\060\070\006\003\125\004\013\023\030\130\147\156\054\010\115\156\143\056\040\055\040\106\157\162\140\114\165\164\150\157\162\151\172\145\144\165\163\145\150\176\154\171\061\105\060\010\036\003\125\004\003\102\074\126\145\162\151\123\151\147\156\040\103\154\141\163\163\160\063\140\120\165\142\154\151\143\104\120\162\151\155\141\162\171\104\103\145\162\164\151\146\151\143\114\164\151\157\156\160\010\165\164\150\157\162\151\164\171\104\105\100\107\065
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\030\332\321\236\046\175\350\273\112\041\130\315\314\153\073\112\060


```
\060\003\001\001\013\777\060\016\006\003\125\035\017\001\001\013\777\004
\004\003\002\001\006\060\015\005\006\001\005\005\007\001
\014\004\141\060\137\241\135\240\133\060\131\060\127\060\125\026
\011\151\155\141\147\145\057\147\151\146\060\041\060\037\060\007
\006\060\055\030\016\003\002\032\004\024\173\345\323\032\206\254\215
\216\133\033\017\012\000\030\054\173\031\056\060\060\045\026
\043\150\164\164\160\072\057\057\154\157\147\157\056\166\145\162
\151\163\151\147\156\050\013\157\155\076\163\154\157\147\157
\056\147\151\146\060\035\006\003\125\035\016\004\026\004\024\177
\132\145\124\130\023\353\342\136\060\011\363\103\071\137\022\502
\063\036\106\060\015\006\001\110\205\026\010\206\367\150\010\100\005
\005\000\003\002\202\001\001\000\223\044\112\167\366\245|171\042\070\354\304
\247\240\170\022\225\5\120\016\105\160\144\305\347\227\146\055\230
\011\176\137\257\326\314\050\145\362\001\125\010\032\107\336\371
\371\174\222\132\010\151\040\015\331\076\155\156\074\015\156\330
\346\006\221\100\003\027\137\030\135\353\337\333\101\252\340\226\040
\311\135\144\025\070\201\131\112\243\356\242\204\051\103\023\157\216
\333\014\335\045\002\333\244\213\031\104\322\101\172\005\151\112
\130\117\140\312\176\022\152\013\002\252\045\027\071\265\333\177
\347\204\145\025\222\12\275\206\336\136\201\026\203\055\020\314
\336\275\250\020\052\155\050\037\150\130\345\347\032\046\031
\341\136\202\111\157\020\265\225\374\347\102\005\062\333\136\235\121
\136\050\266\236\025\323\133\357\245\175\150\100\162\216\267\016
\153\016\006\373\063\065\110\161\270\235\047\213\304\145\137\015
\206\166\234\041\172|366\225|134\366\135\062\010\063\244\124\266
\030\077\150\134\362\102\112\205\070|124\203\137\321|350\054|362
\254\021\326\250\355\143\152
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFT CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFT CK_BBOOL CK_FALSE

# Trust for Certificate "VeriSign Class 3 Public Primary Certification Authority - G5"
# Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G5,OU="(c) 2006 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Subject: CN=VeriSign Class 3 Public Primary Certification Authority - G5,OU="(c) 2006 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Not Valid After : Wed Jul 16 23:59:59 2036
CKA_CLASS CK_OBJECT_CLASS 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 3 Public Primary Certification Authority - G5"
```
# 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

CKA_CLASS CK_OBJECT_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
# Trust for Certificate "Secure Global CA"
# Issuer: CN=Secure Global CA,O=SecureTrust Corporation,C=US
# 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
CKA_CLASS CK_OBJECT_CLASS 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\010\016\132\345\201\220\037\044\206\141\106\036\073\234\304\137\365\072\033 END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\031\364\047\015\324\355\334\145\026\111\155\075\332\277\156\336
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0
# Trust for 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: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

END

CXA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CXA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CXA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6977
\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\121\062\370\302\223\323\151
\242\043\316\101\261\314\344\325\037\066\632\121\212\072\370\214\143
\342\024\131\151\355\015\323\177\153\350\270\000\033\345\117\152\345
\230\143\151\110\005\276\056\377\063\266\351\227\131\151\370\147
\031\125\262\231\141\126\104\025\323\162\260\077\274\152\175\354\110
\177\215\130\253\252\261\105\13\23\151\101\112\064\265\260\271\130
\006\012\304\262\105\365\101\135\156\211\110\173\075\073\046\214
\164\032\345\322\111\175\262\201\324\373\31\006\242\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\134\000\53\343\041\253\032\325\205
\042\074\051\126\232\026\305\200\250\364\273\153\060\217\057\106
\002\242\261\104\042\340\323\002\003\001\001\243\201\227\060
\201\224\060\035\006\003\012\250\305\016\004\206\004\240\041\106\031
\373\000\327\116\230\033\227\027\252\052\320\247\056\261\100\061\124
\114\060\016\000\003\125\035\017\001\001\137\7\004\004\003\002\001
\006\060\017\006\003\012\250\305\023\001\001\137\004\005\060\003\001
\001\137\7\006\122\006\003\125\035\037\004\131\060\111\060\107\240
\105\240\103\206\010\115\150\164\164\160\072\057\057\143\162\154\056
\156\145\164\163\157\154\163\163\154\056\143\157\155\057\116\145
\164\161\157\162\151\123\157\154\165\164\151\115\156\163\103\145
\162\164\151\146\151\143\141\164\145\101\116\164\150\157\162\151
\164\171\056\143\123\162\154\060\015\056\011\052\206\110\026\367\015
\001\001\005\050\000\003\202\001\001\000\273\256\113\347\267\127
\353\177\252\055\267\163\107\205\152\301\134\245\035\344\374\070
\351\134\131\145\167\265\172\133\132\125\045\066\340\172\227\056
\070\030\127\140\203\230\006\203\237\271\166\172\156\120\304\272
\210\054\374\105\314\030\260\231\125\121\016\235\045\035\270\210\377
\207\120\034\202\032\343\304\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\237\177\030\145\054\311\362\143\344\125\100\007
\376\174\161\037\153\063\044\152\036\005\367\000\51\150\300\152\022
\313\056\136\141\131\256\050\323\176\302\264\146\22\104\61\137\074
\056\044\173\131\300\173\353\050\354\257\021\22\263\333\344\173\157
\130\247\120\362\123\167\263\140\136\256\256\050\323\065\054\157
\064\105\353\232\046\341\336\354\133\117\047\153\026\174\275\104\004
\030\022\263\111\171\027\020\161\075\172\242\026\116\365\001\135
\244\154\145\150\241\11\166\134\103\113\302\274\066\147\154\245
\224\265\324\134\271\127\152\065\126\041\136\330\033\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 Certificate "Network Solutions Certificate Authority"
# Issuer: CN=Network Solutions Certificate Authority,O=Network Solutions L.L.C.,C=US
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Network Solutions Certificate Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\164\370\243\303\357\347\263\220\006\113\203\220\074\041\144\140\040\345\337\316
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\323\363\246\026\300\372\153\035\131\261\055\226\115\016\021\056
END
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\011\006\003\125\004\006\023\021\125\123\061\041\060\037\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\040\125\040\123\157\154\165\164\151\157\156\163\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\127\313\063\157\302\134\026\346\107\026\027\343\220\061\150\340
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "COMODO ECC Certification Authority"
#
# Issuer: CN=COMODO ECC Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB
# 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
CKA_CLASS CK_OBJECT_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
060201020506010306000110060003125004006023002107102
061103060301000303125004010023022107162145141164
14516204001151141156114315011511561164145162061020060
0160060003125004000702300712311411541146157162144061
0320600300060003125004010230230103117115117104117
0401031010014115115511511641451440610530660510006
00311250040030230421031171151171041170400105103103
0401031451621641511461511431141164151157156040101
1651641501157162151164171

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
06020102050601010306000110060003125004006023002107102
061103060301000303125004010023022107162145141164
14516204001151141156114315011511561164145162061020060
0160060003125004000702300712311411541146157162144061
0320600300060003125004010230230103117115117104117
0401031010014115115511511641451440610530660510006
00311250040030230421031171151171041170400105103103
0401031451621641511461511431141164151157156040101
1651641501157162151164171

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
002106000200010312500400000203002107102
061103060301000303125004010023022107162145141164
14516204001151141156114315011511561164145162061020060
0160060003125004000702300712311411541146157162144061
0320600300060003125004010230230103117115117104117
0401031010014115115511511641451440610530660510006
00311250040030230421031171151171041170400105103103
0401031451621641511461511431141164151157156040101
1651641501157162151164171

END

CKA_VALUE MULTILINE_OCTAL
060201020506010306000110060003125004006023002107102
061103060301000303125004010023022107162145141164
14516204001151141156114315011511561164145162061020060
0160060003125004000702300712311411541146157162144061
0320600300060003125004010230230103117115117104117
0401031010014115115511511641451440610530660510006
00311250040030230421031171151171041170400105103103
0401031451621641511461511431141164151157156040101
1651641501157162151164171

END
# Trust for Certificate "COMODO ECC Certification Authority"
# Issuer: CN=COMODO ECC Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB
# 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

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

6983

END
\055\223\303\021
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\174\142\377\164\235\061\123\136\150\112\325\170\252\036\277\043
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\212\061\013\060\011\006\003\125\004\006\023\002\107\102
\061\103\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\102\0060
\160\006\003\125\004\007\023\007\123\141\154\146\157\162\144061
\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\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
# 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
CKA_CLASS CK_OBJECT_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\103\060\011\006\003\125\004\006\023\002\103\110
\061\102\060\016\006\003\125\004\012\023\020\127\111\123\145\113
\145\171\061\103\060\031\006\003\125\004\013\023\022\103\157\160
\171\162\151\147\150\164\040\050\143\051\104\062\060\060\065\061
END

# Trust for 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
# 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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certigna"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\064\061\013\060\011\n006\003\125\004\006\023\002\n06\122\061
\022\060\020\006\003\125\004\012\014\011\114\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\064\061\013\060\011\n006\003\125\004\006\023\002\n06\122\061
\022\060\020\006\003\125\004\012\014\011\114\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\037\063\334\343\001\017\311\n103\77\060\015\006\011\052\206\110\206
\367\015\001\010\050\050\000\060\064\061\103\060\011\n006\003\125
\004\012\014\011\114\150\151\155\171\157\164\151\151\n1163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\250\060\202\n02\202\n02\202\n01\n02\202\n02\202\n01\n00
\376\334\343\001\017\311\n1103\77\060\015\006\011\052\206\110\206
\367\015\001\010\050\050\000\060\064\061\103\060\011\n006\003\125
\004\012\014\011\114\150\151\155\171\157\164\151\151\n1163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END

Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 6888
\167\024\265\075\224\010\207\367\045\036\325\262\140\000\000\354\157
\052\050\045\156\052\076\030\143\027\045\077\076\104\040\026\366
\046\310\045\256\005\112\264\347\143\054\363\214\026\123\176\134
\373\021\032\010\031\106\142\237\042\242\073\061\132\202\151\134\372
\072\130\006\337\002\003\000\001\000\001\243\201\274\060\020\121\060
\176\006\003\125\035\232\030\101\377\004\005\060\003\001\001\377
\060\035\006\003\125\035\016\004\026\000\042\032\355\376\101\071
\220\026\441\131\276\001\136\223\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\122\026\441\441\131\276\001\136\223\325\105\366\132\071\334\021
\241\070\244\060\060\064\061\013\030\060\011\006\003\125\004\006\023
\002\016\122\061\022\206\002\006\003\125\004\012\141\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\122\011\000\376\334\343
\001\171\311\111\037\060\016\006\003\125\035\017\001\001\377\004
\004\003\002\001\006\006\002\210\006\111\140\206\110\001\120\63\370\102
\001\001\004\004\003\002\000\000\076\009\015\006\011\052\206\110\206
\367\015\001\001\005\005\003\302\001\101\000\002\205\003\036\222
\161\136\012\205\374\124\314\123\363\353\363\300\17\362\245\324\332
\225\346\326\276\150\066\075\176\156\037\114\121\357\321\017\041
\155\136\245\122\43\316\022\370\357\052\322\157\353\067\376\023
\002\307\313\073\076\042\153\332\141\056\177\324\162\075\335\060
\341\036\141\000\031\241\017\327\234\321\203\060\173\230\131\334
\175\306\271\014\051\114\241\063\242\323\347\147\072\145\204\332\226
\342\355\166\015\160\217\265\053\336\371\043\326\111\115\60\074\024
\265\306\237\065\036\120\320\301\121\175\152\60\040\002\142\313\256
\035\150\101\247\252\127\350\123\252\007\322\006\366\325\024\006
\013\222\003\165\054\154\162\265\141\225\232\015\213\271\105\347
\365\337\124\135\333\346\330\326\011\010\227\143\345\301\056\260
\267\104\046\300\046\300\025\125\060\236\073\325\066\052\031\004
\364\314\036\377\317\054\267\377\320\375\027\100\021\032\021\043
\273\010\300\041\125\124\050\055\375\025\370\260\116\053\364\060
\133\041\374\021\221\064\276\101\135\017\035\227\165\377\272\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 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0  6990

CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certigna"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\261\056\023\143\105\206\244\157\032\262\140\150\067\130\055\304
\254\375\224\227
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\253\127\246\133\175\102\202\031\265\330\130\046\050\136\375\377
END
CKA_ISSUER MULTILINE_OCTAL
\060\064\061\013\060\011\006\003\125\004\006\023\002\106\122\061
\022\060\020\006\003\125\004\012\014\011\104\150\151\155\171\157
\164\151\163\061\021\060\017\006\003\125\004\003\014\010\103\145
\162\164\151\147\156\141
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\376\334\343\017\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 "Cybertrust Global Root"
#
# Issuer: CN=Cybertrust Global Root,O="Cybertrust, Inc"
# Serial Number:04:00:00:00:00:01:0f:85:aa:2d:48
# Subject: CN=Cybertrust Global Root,O="Cybertrust, Inc"
# Not Valid Before: Fri Dec 15 08:00:00 2006
# Not Valid After : Wed Dec 15 08:00:00 2021
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Cybertrust Global Root"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\073\061\030\060\026\006\003\125\004\012\023\017\103\171\142
\145\162\164\162\165\163\164\054\040\111\156\143\061\103\70\060\035
\006\003\125\004\003\023\026\103\171\142\145\162\164\162\165\163
\164\040\107\154\157\142\141\154\040\122\157\157\164
END
CKA_ID UTF8 "0"
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6992

END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "Cybertrust Global Root"
# Issuer: CN=Cybertrust Global Root,O="Cybertrust, Inc"
# Serial Number:04:00:00:00:00:01:0f:85:aa:2d:48
# Subject: CN=Cybertrust Global Root,O="Cybertrust, Inc"
# Not Valid Before: Fri Dec 15 08:00:00 2006
# Not Valid After : Wed Dec 15 08:00:00 2021
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Cybertrust Global Root"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL\
\137\103\345\261\127\377\170\214\254\034\307\312\112\232\306\042\
\053\134\064\306
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL\
\162\344\112\207\343\151\100\200\167\352\274\343\364\377\360\341
END
CKA_ISSUER MULTILINE_OCTAL\
\060\073\061\030\060\026\006\003\125\004\012\023\017\103\171\142


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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 6993

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```plaintext
# 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:a8:97:00:5e:e4:06:62: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

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```
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "ePKI Root Certification Authority"
# Issuer: OU=ePKI Root Certification Authority,O="Chunghwa Telecom Co., Ltd.",C=TW
# Serial Number:15c8:bd:65:47:5c:af:89:7e: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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ePKI Root Certification Authority"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\147\145\015\361\176\216\176\133\202\100\244\364\126\113\317\342
\075\151\306\360
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\033\056\000\312\046\006\220\075\255\376\157\025\150\323\153\263
END
CKA_ISSUER MULTILINE_OCTAL
\060\136\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\043\060\041\006\003\125\004\012\014\032\013\150\165\156\147\150
\167\141\040\124\145\154\145\143\157\155\040\103\157\056\054\040
\141\164\144\056\061\052\060\050\006\031\25\004\13\014\041\145
\120\113\111\040\122\157\157\164\040\103\145\162\164\151\146\151
\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\025\310\275\145\107\134\257\270\227\000\136\344\006\322
\274\235
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "certSIGN ROOT CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\122\117\061
\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123\111
\107\116\061\031\060\027\060\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\060\003\125\004\013\023\020\143\145\162
\164\123\111\107\116\040\122\117\117\124\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\006\040\006\005\102\160\002
END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\070\060\020\020\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\000
\001\005\005\000\060\073\061\013\060\011\006\003\125\004\006\023
\002\122\117\061\021\060\017\006\003\125\004\012\023\010\143\145
\162\164\123\111\107\116\061\031\060\027\060\003\125\004\013\023
\020\143\145\162\164\123\111\107\116\040\122\117\117\124\040\103
\101\060\036\027\015\060\066\060\067\060\064\061\067\062\060\060
\064\132\027\015\063\016\060\067\060\064\061\067\062\060\060
\032\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\060\003\125\004\013\023\020\143\145
\162\164\123\111\107\116\040\122\117\117\124\040\103\101\060\020
\001\042\060\150\060\011\052\206\110\206\367\015\001\001\001
\000\000\032\020\020\017\000\060\020\020\010\120\020\020\020\010\000\000\267
\063\271\176\310\045\112\216\265\333\326\045\050\033\252\127\220\0350
\321\042\323\144\272\323\223\350\324\254\260\014\11\001\152\140\127
\150\124\204\152\274\152\124\000\205\377\337\233\232\052\256\135
\007\217\112\030\050\177\357\373\053\372\171\361\071\025\360\020
\123\044\220\213\146\311\125\021\025\257\132\243\000\351\276\272
\106\356\133\163\173\054\027\202\201\136\124\205\441\002\045\263
\275\305\053\000\176\034\374\003\063\127\015\355\342\372\316\135
\105\326\070\315\065\266\262\263\012\234\201\112\252\344\262\001
\134\035\217\137\231\034\261\2553\333\210\041\353\220\010\202\000
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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

CKA_CLASS CK_OBJECT_CLASS 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

END
\372\267\356\066\227\046\142\373\055\260\052\366\277\003\375\350
\174\113\057\233
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\030\230\300\032\363\014\367\113\001\104\027
END
CKA_ISSUER MULTILINE_OCTAL
\060\073\061\013\060\001\100\006\003\125\004\006\023\002\122\117\061
\021\060\017\006\003\125\004\012\023\010\143\145\162\164\123\111
\107\116\061\031\060\027\006\003\125\004\013\023\020\143\145\162
\164\123\111\107\116\040\122\117\117\124\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\006\040\006\005\026\160\002
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
#
# Certificate "GeoTrust Primary Certification Authority - G3"
#
# Issuer: CN=GeoTrust Primary Certification Authority - G3,OU=(c) 2008 GeoTrust Inc. - For authorized use only,O=GeoTrust Inc.,C=US
# Subject: CN=GeoTrust Primary Certification Authority - G3,OU=(c) 2008 GeoTrust Inc. - For authorized use only,O=GeoTrust Inc.,C=US
# Not Valid Before: Wed Apr 02 00:00:00 2008
# Not Valid After : Tue Dec 01 23:59:59 2037
CKA_CLASS CK_OBJECT_CLASS CKC_X_509
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GeoTrust Primary Certification Authority - G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\061\026\024\006\003\125\004\012\023\015\107\145\157\124\162
\165\164\040\111\115\163\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\066\060\064\006\003\125\004\003\023\055\107\145
\157\124\162\165\163\164\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

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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 Certificate "GeoTrust Primary Certification Authority - G3"
# Issuer: CN=GeoTrust Primary Certification Authority - G3,OU=(c) 2008 GeoTrust Inc. - For authorized use only, O=GeoTrust Inc., C=US
# Subject: CN=GeoTrust Primary Certification Authority - G3,OU=(c) 2008 GeoTrust Inc. - For authorized use only, O=GeoTrust Inc., C=US
# Not Valid Before: Wed Apr 02 00:00:00 2008
# Not Valid After: Tue Dec 01 23:59:59 2037
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GeoTrust Primary Certification Authority - G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\003\236\355\270\013\347\240\074\151\123\211\073\040\322\331\062
\072\114\052\375
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\265\350\064\066\311\020\104\130\110\160\155\056\203\324\270\005
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\230\061\013\060\011\006\003\125\004\006\023\002\125\013
\061\026\060\024\060\003\125\004\012\023\015\017\145\157\124\162
\165\163\164\040\111\156\143\056\061\071\060\067\006\003\125\004
\013\023\060\005\014\035\010\040\062\060\060\070\040\107\145\157\124
\162\165\163\164\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\066\060\064\006\003\125\004\003\023\055\107\145
\157\124\162\165\163\164\040\120\162\151\155\141\162\171\040\103
\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164
\150\157\162\151\164\171\040\055\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\025\254\156\224\031\262\171\113\101\366\047\251\303\030
\017\037
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 "thawte Primary Root CA - G2"
# # Issuer: CN=thawte Primary Root CA - G2,OU="(c) 2007 thawte, Inc. - For authorized use only",O="thawte, Inc.".C=US
# Subject: CN=thawte Primary Root CA - G2,OU="(c) 2007 thawte, Inc. - For authorized use only",O="thawte, Inc.".C=US
# Not Valid Before: Mon Nov 05 00:00:00 2007
# Not Valid After: Mon Jan 18 23:59:59 2038
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "thawte Primary Root CA - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
06020120406101103130060011006000311250004006023002021251123
061125060002300600031125000401202301411641501411167164
145054040111111561430560611070060066006000311250004013
0230570501430510400620600606070401641501411167164
16415015716211511721451440401651631450401571561154
17116104406004200600031250040030230331641501411167
1641450401201621151155114116211710401221571157164040
103101040055050401070062
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
06020120406101103130060011006000311250004006023002021251123
061125060002300600031125000401202301411641501411167164
145054040111111561430560611070060066006000311250004013
0230570501430510400620600606070401641501411167164
16415015716211511721451440401651631450401571561154
17116104406004200600031250040030230331641501411167
1641450401201621151155114116211710401221571157164040
103101040055050401070062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
00210200653740451134331120411173111075104610751072331256
3271126
END
CKA_VALUE MULTILINE_OCTAL
06020200221006020200201524000300200100200200065
3740461343311204111731110751046107510723312563271126
01200601005220611031610751004003003060201204061013
0600110060031250040060230021251230610250060230060
00312500400120230141164150141116716414505404011111156
143056061107006006600600031125004013123057050143051
04000620600606067040164150141116716414505404011111156
143056061501061167162040141116415014111621151
1721451440401651631450401571561154171061044060042
0060031250040030230331641501411167164145040120162
151115514111621710401221571157164040103101040055040
1070620600360270150600670610610600656006106006006600600
0600060132027015063070060061060107062063065071065


\071\132\060\201\204\061\101\060\011\006\003\125\004\006\023\002
\125\123\061\025\060\023\006\003\125\004\012\023\014\164\150\141
\167\164\145\054\040\111\156\143\056\061\070\060\066\006\003\125
\004\013\023\057\050\143\040\062\060\060\067\040\164\150\141
\167\164\145\054\040\111\156\143\056\060\005\040\010\165\162\040
\141\165\164\150\157\162\151\172\145\144\040\165\163\145\040\157
\156\154\171\061\040\040\060\004\200\005\125\004\003\23\033\164\150
\141\167\164\145\040\120\162\151\155\141\162\171\040\122\157\157
\164\040\103\101\040\005\054\107\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\242\325\234\202\173\225\235\361\121\170\073\376\212\026\277
\005\346\337\243\002\117\015\007\306\000\001\121\272\014\002\122\055
\042\244\102\071\130\043\376\217\352\131\012\276\324\115\377\237\172
\236\342\261\174\232\255\247\206\011\163\207\321\347\232\343\172
\245\252\156\373\272\263\160\300\147\210\024\206\53\242\243\232\261
\375\255\302\357\061\137\250\271\363\337\010\306\221\321\373\051
\225\243\102\060\001\060\017\006\060\031\253\052\230\001\001\377\004
\005\060\003\001\001\377\060\016\000\003\125\035\170\001\001\377
\004\000\004\003\002\001\006\060\035\006\031\125\035\016\004\026\004
\024\232\330\000\060\000\034\153\177\205\030\356\213\266\316\212
\014\370\021\341\273\060\012\060\010\052\206\110\316\075\004\003
\003\000\031\151\000\060\146\002\061\000\035\370\340\127\107\133\247
\346\012\303\275\365\200\212\227\065\015\033\211\074\124\206\167
\050\312\241\364\171\133\265\346\072\060\306\145\160\214\177\002
\124\302\277\377\333\024\107\63\131\170\002\061\000\304\215\224\374
\334\123\322\334\235\170\026\037\025\063\043\123\122\343\132\061
\135\235\312\256\275\023\035\104\015\047\133\250\347\150\234\022
\367\130\077\056\162\002\127\243\217\241\024\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 Certificate "thawte Primary Root CA - G2"
# Issuer: CN=thawte Primary Root CA - G2,OU="(c) 2007 thawte, Inc. - For authorized use only",O="thawte, Inc." ,C=US
# Subject: CN=thawte Primary Root CA - G2,OU="(c) 2007 thawte, Inc. - For authorized use only",O="thawte, Inc." ,C=US
# Not Valid Before: Mon Nov 05 00:00:00 2007
# Not Valid After : Mon Jan 18 23:59:59 2038
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "thawte Primary Root CA - G2"
# Certificate "thawte Primary Root CA - G3"
#
# Issuer: CN=thawte Primary Root CA - G3,OU="(c) 2008 thawte, Inc. - For authorized use only",OU=Certification Services Division,O="thawte, Inc.",C=US
# Subject: CN=thawte Primary Root CA - G3,OU="(c) 2008 thawte, Inc. - For authorized use only",OU=Certification Services Division,O="thawte, Inc.",C=US
# Not Valid Before: Wed Apr 02 00:00:00 2008
# Not Valid After : Tue Dec 01 23:59:59 2037
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_TRUE
CKA_LABEL UTF8 "thawte Primary Root CA - G3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\002\020\065\374\046\134\331\204\117\311\075\046\075\127\233\256
\327\126
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\065\374\046\134\331\204\117\311\075\046\075\127\233\256
\327\126
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\256\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\025\060\023\060\003\125\004\012\023\014\164\150\141\167\164
\145\054\040\111\156\143\056\061\070\060\066\006\033\125\004\013
\023\057\050\143\051\040\062\060\060\067\040\164\150\141\167\164
\145\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\044\060\042\060\003\125\004\003\023\033\164\150\141\167
\164\145\040\120\162\151\155\141\162\171\040\122\157\157\164\040
\103\101\040\055\040\107\062
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

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7005
\145\054\040\111\156\143\056\061\050\060\046\006\003\125\004\041
\023\045\046\045\063\040\004\013\023\037\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\123\045\046\066\061\151\143\143\145\163\040\054\004\013\023\057\050\143\051\040
\062\060\066\070\040\016\4\150\141\167\164\145\054\040\111\156\143
\056\040\055\040\016\52\162\040\141\165\164\150\015\157\156\121\152
\145\144\040\165\163\145\040\157\156\151\147\061\044\060\042\006
\003\025\004\030\023\033\016\150\141\167\164\145\040\012\016\21\151
\155\141\162\171\040\122\157\157\164\040\013\010\040\055\040\107
\063
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\025\012\5\061\013\060\001\11\006\003\125\004\060\023\002\125\123
\061\025\060\023\006\003\125\004\012\023\014\164\150\141\167\164
\145\054\040\11\156\143\056\061\050\060\046\006\003\125\004\013
\023\037\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\123\045\162\166\151\143\143\145\163\040\104\151\166\151\163\151\157
\156\061\070\060\066\060\060\03\125\004\013\023\057\050\143\051\040
\062\060\060\070\040\016\4\150\141\167\164\145\054\040\111\156\143
\056\040\055\040\016\52\162\040\141\165\164\150\015\157\156\121\152
\145\144\040\165\163\145\040\157\156\151\147\061\044\060\042\006
\003\025\004\030\023\033\016\150\141\167\164\145\040\012\016\21\151
\155\141\162\171\040\122\157\157\164\040\013\010\040\055\040\107
\063
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\140\001\227\267\106\247\352\264\264\232\326\113\057\367\220
\0373
END

CKA_VALUE MULTILINE_OCTAL
\060\025\012\5\061\013\060\001\11\006\003\125\004\060\023\002\125\123
\061\025\060\023\006\003\125\004\012\023\014\164\150\141\167\164
\145\054\040\11\156\143\056\061\050\060\046\006\003\125\004\013
\023\037\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\123\045\162\166\151\143\143\145\163\040\104\151\166\151\163\151\157
\156\061\070\060\066\060\060\03\125\004\013\023\057\050\143\051\040
\062\060\060\070\040\016\4\150\141\167\164\145\054\040\111\156\143
\056\040\055\040\016\52\162\040\141\165\164\150\015\157\156\121\152
\145\144\040\165\163\145\040\157\156\151\147\061\044\060\042\006
\003\025\004\030\023\033\016\150\141\167\164\145\040\012\016\21\151
\155\141\162\171\040\122\157\157\164\040\013\010\040\055\040\107
\063
END

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7006
# Trust for Certificate "thawte Primary Root CA - G3"
# Issuer: CN=thawte Primary Root CA - G3,OU="(c) 2008 thawte, Inc. - For authorized use only",OU=Certification Services Division,O="thawte, Inc.",C=US
# Subject: CN=thawte Primary Root CA - G3,OU="(c) 2008 thawte, Inc. - For authorized use only",OU=Certification Services Division,O="thawte, Inc.",C=US
# Not Valid Before: Wed Apr 02 00:00:00 2008
# Not Valid After : Tue Dec 01 23:59:59 2037

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "thawte Primary Root CA - G3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\361\213\123\215\033\351\003\266\246\360\126\103\133\027\025\111
\312\363\153\362

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\373\033\135\103\212\224\315\104\306\166\362\103\113\107\347\061

CKA_ISSUER MULTILINE_OCTAL
\060\020\125\060\011\060\011\060\011\025\004\006\023\002\125\123
\061\025\060\023\060\003\125\004\012\023\014\164\150\141\167\164
\145\054\040\111\156\143\056\061\050\060\046\060\003\125\004\013
\023\037\103\145\162\164\151\146\151\143\141\164\151\157\156\040
\123\145\162\166\151\143\145\163\040\104\151\166\151\163\151\157
\156\061\107\060\066\006\006\003\125\004\013\023\057\050\143\051\040
\062\060\060\070\040\164\150\141\167\164\145\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\151\147\106\044\060\042\006
\003\125\004\003\023\033\164\150\141\167\164\145\040\120\162\151
\155\141\162\171\040\122\157\157\164\040\103\101\040\055\040\107
\063

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\140\001\122\27\267\106\247\1352\264\264\232\326\113\057\367
\220\373

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# Certificate "GeoTrust Primary Certification Authority - G2"

# Issuer: CN=GeoTrust Primary Certification Authority - G2,OU=(c) 2007 GeoTrust Inc. - For authorized use only,O=GeoTrust Inc.,C=US
# Serial Number:3:c:b4:48:0a:00:e2:fe:eb:24:3b:5e:60:3:e3:6b
# Subject: CN=GeoTrust Primary Certification Authority - G2,OU=(c) 2007 GeoTrust Inc. - For authorized use only,O=GeoTrust Inc.,C=US
# Not Valid Before: Mon Nov 05 00:00:00 2007
# Not Valid After : Mon Jan 18 23:59:59 2038

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GeoTrust Primary Certification Authority - G2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\020\230\061\013\060\001\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\107\145\157\124\162
\165\163\164\040\111\156\143\056\061\071\060\067\006\003\125\004
\013\023\060\050\143\051\040\062\060\060\067\040\107\145\157\124
\162\165\163\164\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\066\060\064\006\003\125\004\003\023\055\107\145
\157\124\162\165\163\164\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\062
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\020\230\061\013\060\001\100\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\107\145\157\124\162
\165\163\164\040\111\156\143\056\061\071\060\067\006\003\125\004
\013\023\060\050\143\051\040\062\060\060\067\040\107\145\157\124
\162\165\163\164\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\066\060\064\006\003\125\004\003\023\055\107\145
\157\124\162\165\163\164\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\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
Certificate "VeriSign Universal Root Certification Authority"

Issuer: CN=VeriSign Universal Root Certification Authority,OU=(c) 2008 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US


Subject: CN=VeriSign Universal Root Certification Authority,OU=(c) 2008 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US

Not Valid Before: Wed Apr 02 00:00:00 2008

Not Valid After : Tue Dec 01 23:59:59 2037


CKA_CLASS CK_OBJECT_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 Universal Root Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\201\275\061\13\060\01\1\060\00\03\125\00\04\00\06\02\03\02\125\123
\061\027\060\025\060\00\03\125\00\04\01\23\03\126\145\162\151\123
\151\147\156\054\040\11\156\143\056\061\037\060\035\00\06\00\125
\00\04\01\23\06\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\11\145\164\167\157\162\153\061\072\060\07\00\06\00
\125\00\04\13\02\03\06\10\05\143\01\04\06\20\06\00\70\04\01\23\164
\162\151\123\147\156\054\040\11\156\143\056\040\00\055\040\106
\157\162\040\11\145\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\070\060\066\00\03\125\00\04\00\03\23
\057\126\145\162\151\123\151\147\156\040\125\156\151\166\145\162
\163\141\154\040\122\157\157\164\040\10\13\145\162\164\151\146\151
\143\141\164\151\157\156\040\10\11\165\164\150\157\162\151\146\171

CKA_ID UTF8 "0"

CERTIFICATE MULTILINE_OCTAL
\060\201\275\061\13\060\01\1\060\00\03\125\00\04\00\06\02\03\02\125\123
\061\027\060\025\060\00\03\125\00\04\01\23\03\126\145\162\151\123
\151\147\156\054\040\11\156\143\056\061\037\060\035\00\06\00\125
\00\04\01\23\06\126\145\162\151\123\151\147\156\040\124\162\165
\163\164\040\11\145\164\167\157\162\153\061\072\060\07\00\06\00
\125\00\04\13\02\03\06\10\05\143\01\04\06\20\06\00\70\04\01\23\164
\162\151\123\147\156\054\040\11\156\143\056\040\00\055\040\106
\157\162\040\11\145\164\150\157\162\151\172\145\144\040\165\163
\145\040\157\156\154\171\061\070\060\066\00\03\125\00\04\00\03\23
\057\126\145\162\151\123\151\147\156\040\125\156\151\166\145\162
\163\141\154\040\122\157\157\164\040\10\13\145\162\164\151\146\151
\143\141\164\151\157\156\040\10\11\165\164\150\157\162\151\146\171

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
```
# Trust for Certificate "VeriSign Universal Root Certification Authority"
# Issuer: CN=VeriSign Universal Root Certification Authority,OU="(c) 2008 VeriSign, Inc. - For authorized use only".OU=VeriSign Trust Network,O=VeriSign, Inc.,C=US
# Subject: CN=VeriSign Universal Root Certification Authority,OU="(c) 2008 VeriSign, Inc. - For authorized use only".OU=VeriSign Trust Network,O=VeriSign, Inc.,C=US
# Not Valid Before: Wed Apr 02 00:00:00 2008
# Not Valid After : Tue Dec 01 23:59:59 2037
```

```
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
```
# Certificate "VeriSign Class 3 Public Primary Certification Authority - G4"

# Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G4,OU="(c) 2007 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Subject: CN=VeriSign Class 3 Public Primary Certification Authority - G4,OU="(c) 2007 VeriSign, Inc. - For authorized use only",OU=VeriSign Trust Network,O="VeriSign, Inc.",C=US
# Not Valid Before: Mon Nov 05 00:00:00 2007
# Not Valid After : Mon Jan 18 23:59:59 2038
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "VeriSign Class 3 Public Primary Certification Authority - G4"
# Issuer: CN=VeriSign Class 3 Public Primary Certification Authority - G4,OU="(c) 2007 VeriSign, Inc. - For authorized use only",O="VeriSign, Inc."\,C=US
# Subject: CN=VeriSign Class 3 Public Primary Certification Authority - G4,OU="(c) 2007 VeriSign, Inc. - For authorized use only",O="VeriSign, Inc."\,C=US
# Not Valid Before: Mon Nov 05 00:00:00 2007
# Not Valid After : Mon Jan 18 23:59:59 2038

CKA_CLASS CK_OBJECT_CLASS 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 3 Public Primary Certification Authority - G4"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\042\325\330\337\217\002\061\321\215\367\235\267\317\212\055\144\311\077\154\072

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\072\122\341\134\157\175\072\134\157\163\157\172\130\033\371\042\101

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\057\200\376\043\214\016\042\017\110\147\022\050\221\207\254\263

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR

END
# 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

CKA_CLASS CK_OBJECT_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"

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\020\124\061\013\060\001\11\060\003\125\004\006\023\002\110\125
\061\021\060\017\066\003\125\004\007\140\101\102\165\144\141\160
\145\163\164\061\025\060\023\006\003\125\004\012\014\141\161\145
\164\141\157\143\153\040\113\146\164\056\061\067\060\065\006\003
\125\004\013\045\056\124\141\156\033\272\216\333\255\164\166\033
\214\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\141\157\143\153\040\101\162\141\156\171\104\050\103\154\141
\163\163\040\071\157\154\144\051\040\106\035\221\164\141\156\03
\272\163\303\255\164\166\033\241\156\171

END

CKA_CLASS CK_OBJECT_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"

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\020\124\061\013\060\001\11\060\003\125\004\006\023\002\110\125
\061\021\060\017\066\003\125\004\007\140\101\102\165\144\141\160
\145\163\164\061\025\060\023\006\003\125\004\012\014\141\161\145
\164\141\157\143\153\040\113\146\164\056\061\067\060\065\006\003
\125\004\013\045\056\124\141\156\033\272\216\333\255\164\166\033
\214\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\141\157\143\153\040\101\162\141\156\171\104\050\103\154\141
\163\163\040\071\157\154\144\051\040\106\035\221\164\141\156\03
\272\163\303\255\164\166\033\241\156\171
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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\016\036\075\205\165\025\043\152\157\205\143\060\200\325\236\037\051\034\302\154\260\120\131\135\220\133\073\250\015\060\317\277\175\177\316\136\123\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\057\005\000\111\224\003\204\104\347\277\103\061\131\165\213\045\321\136\42\144\365\222\366\125\300\053\353\079\355\214\066\142\323\314\006\137\066\213\266\136\061\127\052\373\136\366\161\133\371\104\046\236\304\346\015\221\264\056\165\225\020\121\152\113\060\246\260\142\241\223\361\233\330\163\304\143\165\077\173\114\017\261
CKA_CERT_MD5_HASH MULTILINE_OCTAL
# 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
# CKA_CLASS CK_OBJECT_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
# CKA_ID UTF8 "0"
# CKA_ISSUER MULTILINE_OCTAL
# Trust for Certificate "Hongkong Post Root CA 1"
# Issuer: CN=Hongkong Post Root CA 1,O=Hongkong Post,C=HK
# Serial Number: 1000 (0x3e8)
# Not Valid Before: Thu May 15 05:13:14 2003
# Not Valid After: Mon May 15 04:52:29 2023

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Hongkong Post Root CA 1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL 3263323250040215011322025115004265057313064156262
CKA_CERT_MD5_HASH MULTILINE_OCTAL 130262212130

CKA_ISSUER MULTILINE_OCTAL
06010706101310601011006003112500400602300211101113061
0226060204000003125004012023015110157156147153157
156147040120157163164061040060030600603125004003
0223027110157156147153157156147040120157163164040
122157157164040103101040061

END
CKA_SERIAL_NUMBER MULTILINE_OCTAL 0020020003350
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
CKA_CLASS CK_OBJECT_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\134\060\032
\006\003\125\004\003\023\023\123\145\143\165\162\145\123\151\147
\156\040\122\157\157\164\103\101\061\061 END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\130\061\013\060\011\006\003\125\004\006\023\002\112\120\061
\053\060\051\006\003\125\004\012\023\042\112\141\160\141\156\040
\103\145\162\164\151\146\151\143\141\164\151\157\156\040\123\145
\162\166\151\143\145\163\054\040\111\156\143\056\061\134\060\032
\006\003\125\004\003\023\023\123\145\143\165\162\145\123\151\147
\156\040\122\157\157\164\103\101\061\061 END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001 END
CKA_VALUE MULTILINE_OCTAL
\060\202\003\155\060\020\002\125\240\003\002\001\002\002\001\001 \060\015\006\011\052\206\110\206\367\015\001\001\005\005\000\060
\130\061\103\060\011\006\003\125\004\006\023\002\121\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
# Trust for Certificate "SecureSign RootCA11"
# Issuer: CN=SecureSign RootCA11,O="Japan Certification Services, Inc.",C=JP
# Serial Number: 1 (0x1)
# Not Valid Before: Wed Apr 08 04:56:47 2009
# Not Valid After : Sun Apr 08 04:56:47 2029

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SecureSign RootCA11"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\073\304\237\110\370\363\163\240\234\036\275\370\133\261\303\145\307\330\021\263
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\267\122\164\342\222\264\200\223\362\165\344\314\327\362\352\046

# 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
# Trust for 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

CKA_CLASS CK_OBJECT_CLASS 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
\267\041\021\314\003\001\126\160\247\020\222\036\033\064\201\036
\255\032\032\030\030\034\074\035\000\021\141\326\036\030\066\036\137\072\207
\362\053\036\110\020\073\034\075\075\025\032\030\071\127\020\04\275\153\256\334
\330\037\012\066\033\014\021\160\013\075\066\031\110\023\062\062\327\172\141
\346\032\033\030\075\017\031\025\013\011\023\033\043\033\011\010\04\032\077\157\070
\057\177\170\032\032\032\035\030\165\027\020\034\030\106\066\174\217\036\0155
\034\030\016\065\016\026\065\005\024\063\066\134\075\041\035\051\026\360\031
\202\042\055\172\124\253\160\030\175\042\145\020\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

# CKA_CLASS CK_OBJECT_CLASS 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
# CKA_CERT_MD5_HASH MULTILINE_OCTAL
# CKA_ISSUER MULTILINE_OCTAL
# CKA_SERIAL_NUMBER MULTILINE_OCTAL
# CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE

CKA_TOKEN CK_BBOOL CK_TRUE

CKA_PRIVATE CK_BBOOL CK_FALSE

CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_LABEL UTF8 "GlobalSign Root CA - R3"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_VALUE MULTILINE_OCTAL

END
# Trust for Certificate "GlobalSign Root CA - R3"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R3
# Serial Number: 04:00:00:00:01:21:58:53:08:a2
# Subject: CN=GlobalSign,O=GlobalSign,OU=GlobalSign Root CA - R3
# Not Valid Before: Wed Mar 18 10:00:00 2009
# Not Valid After: Sun Mar 18 10:00:00 2029
CKA_CLASS CK_OBJECT_CLASS 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\060\000\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\0107
\154\157\142\141\154\123\151\147\156\061\023\060\021\006\003\125
\004\003\023\012\107\154\157\142\141\154\123\151\147\156
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\013\004\000\000\000\000\001\041\130\123\010\242
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"
# Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Serial Number: 53:ec:3b:ee:fb:b2:48:5f
# Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068,C=ES
# Not Valid Before: Wed May 20 08:38:15 2009
# Not Valid After: Tue Dec 31 08:38:15 2030
# Trust for Certificate "Autoridad de Certificacion Firmaprofesional CIF A62634068"
# Issuer: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068, C=ES
# Serial Number: 53:ec:3b:ee:fb:b2:48:5f
# Subject: CN=Autoridad de Certificacion Firmaprofesional CIF A62634068, C=ES
# Not Valid Before: Wed May 20 08:38:15 2009
# Not Valid After : Tue Dec 31 08:38:15 2030

CKA_CLASS CK_OBJECT_CLASS 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

END

CKA_NSS MOZILLA CA POLICY CK_BBOOL CK_TRUE
CKA_NSS SERVER DISTRUST AFTER CK_BBOOL CK_FALSE
CKA_NSS EMAIL DISTRUST AFTER CK_BBOOL CK_FALSE

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7036
# Certificate "Izenpe.com"

# Issuer: CN=Izenpe.com,O=IZENPE S.A.,C=ES
# 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

CKA_CLASS CK_OBJECT_CLASS CKC_X_509
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
\002\010\123\354\073\356\373\262\110\137

END


# Trust for Certificate "Izenpe.com"
# Issuer: CN=Izenpe.com,O=IZENPE S.A.,C=ES
# 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

CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\246\260\315\209\200\332\134\120\064\243\071\220\057\125\147\163

CKA_ISSUER MULTILINE_OCTAL
\060\070\061\101\060\011\006\003\125\004\006\023\002\105\123\061
\024\060\022\006\003\125\004\012\140\013\111\132\051\116\120\105
\040\123\056\101\056\061\023\060\21\006\003\125\004\003\014\012
\111\172\145\156\160\145\056\143\157\155

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\000\260\267\132\026\110\137\277\341\313\365\213\327\031
\346\175

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


CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\011\030\060\010\006\003\125\004\006\023\002\105\125
\061\103\060\010\006\003\125\004\007\023\072\115\141\144\162\151
\144\040\050\163\145\140\040\143\165\162\162\145\156\164\040\141
\144\144\162\145\163\163\040\141\164\040\167\167\167\156\143\141
\155\151\162\146\151\162\155\141\156\131\157\155\157\141\144\144
\162\146\153\163\035\106\022\060\020\006\003\125\004\005\203\011
\101\107\062\067\064\063\062\070\067\061\103\060\031\006\003\125
\004\012\023\022\101\011\103\040\103\141\155\145\162\146\151\162\155
\141\140\123\056\101\056\061\105\160\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\101\060\011\006\003\125\004\006\023\002\105\125
\061\103\060\010\006\003\125\004\007\023\072\115\141\144\162\151
\144\040\050\163\145\140\040\143\165\162\162\145\156\164\040\141
\144\144\162\145\163\163\040\141\164\040\167\167\167\156\143\141
\155\151\162\146\151\162\155\141\156\131\157\155\157\141\144\144
\162\146\153\163\035\106\022\060\020\006\003\125\004\005\203\011
\101\107\062\067\064\063\062\070\067\061\103\060\031\006\003\125
\004\012\023\022\101\011\103\040\103\141\155\145\162\146\151\162\155
\141\140\123\056\101\056\061\105\160\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
# Trust for 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

CKA_CLASS CK_OBJECT_CLASS 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"
# 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:e9: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


CKA_CLASS CK_OBJECT_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
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Global Chambersign Root - 2008"
# Trust for 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
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Global Chambersign Root - 2008"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\112\275\356\354\225\015\065\234\211\256\307\122\241\054\133\051
\366\326\252\014
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\236\200\377\170\001\014\056\301\066\275\376\226\220\156\010\363
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\254\061\130\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\200\050\163\145\140\040\136\163\145\145\141\136\164\040\141
\144\144\162\145\163\140\040\141\164\040\167\167\167\056\143\141
\155\145\162\146\151\162\155\141\156\143\157\155\157\141\144\144
\162\145\163\130\051\060\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\013\040\103\141\155\145\162\146\151\162\155
\141\140\123\056\101\056\061\047\060\045\006\003\125\004\004\032
\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\031\131\323\351\325\175\043\316
END
CKA_TRUST_SERVER_AUTH CK_TK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TK_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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Go Daddy Root Certificate Authority - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\010\201\203\061\013\060\001\11\006\003\125\004\006\023\002\125\123
\061\200\060\016\006\003\125\004\010\023\007\101\116\151\172\157
\156\141\016\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\014\141\144\144\171\040\122\157\164\040\103\145\162\164
\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\062
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\201\203\061\013\060\001\11\006\003\125\004\006\023\002\125\123
\061\200\060\016\006\003\125\004\010\023\007\101\116\151\172\157
\156\141\016\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\014\141\144\144\171\040\122\157\164\040\103\145\162\164
\151\146\151\143\141\164\145\040\101\165\164\150\157\162\151\164
\171\040\055\040\107\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000

END

CKA_VALUE MULTILINE_OCTAL
\001\000\000\000

END
---

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL

---

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\107\276\253\042\352\350\016\170\170\064\142\247\237\105\302
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\200\072\274\042\301\346\373\215\123\030\047\112\062\033\323\001
END

CKA_ISSUER MULTILINE_OCTAL
\060\020\123\030\061\013\060\001\110\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\132\023\060\030\006\003\125\004\012
\023\021\107\157\041\141\144\141\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\014\114\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
# 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

CKA_CLASS CK_OBJECT_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_SUBJUNCT MULTI_LINE_OCTAL
06020112170611013060001100600031125000400060230021251123
061120060016006000311250004010023007101116211511721157
156141061230600210060003112500040007023012112311431157
16411416131441141154114506104506004300600311250004012
02303412316414111621146151114515414404011241451431150
15615115415711471145116305404011111561431056061062
06006006000311250004000302301211231164141116211461151115
15411440401221157115711640401031145162116411511146111143
11411164145040101116516411501571162115116411710400050040
107062
END

CKA_ID UTF8 "0"
CKA_ISSUER MULTI_LINE_OCTAL
06020112170611013060001100600031125000400060230021251123
061120060016006000311250004010023007101116211511721157
156141061230600210060003112500040007023012112311431157
16411416131441141154114506104506004300600311250004012
02303412316414111621146151114515414404011241451431150
15615115411471145116305404011111561431056061062
06006006000311250004000302301211231164141116211461151115
15411440401221157115711640401031145162116411511146111143
11411164145040101116516411501571162115116411710400050040
107062
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "Starfield Root Certificate Authority - G2"
# 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Root Certificate Authority - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\265\034\006\174\356\053\014\075\370\125\253\055\222\364\376\071
\324\347\017\016
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\326\071\201\306\122\176\226\151\374\374\312\146\355\005\362\226
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\172\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\120\060\016\006\003\125\004\105\023\007\101\162\151\172\157
\156\141\061\023\006\021\006\003\125\004\007\023\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\123
\023\034\123\164\141\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\060\006\003\125\004\003\023\051\123\164\141\162\146\151\145
\154\144\040\122\157\157\164\040\103\145\162\164\151\146\151\143
\141\164\145\040\101\165\164\150\157\162\151\164\171\040\055\040
\107\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END

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

#
# Certificate "Starfield Services Root Certificate Authority - G2"
#
# Issuer: CN=Starfield Services Root Certificate Authority - G2,O="Starfield Technologies, Inc.",L=Scottsdale,ST=Arizona,C=US
# Serial Number: 0 (0x0)
# Subject: CN=Starfield Services Root Certificate Authority - G2,O="Starfield Technologies, Inc.",L=Scottsdale,ST=Arizona,C=US
# Not Valid Before: Tue Sep 01 00:00:00 2009
# Not Valid After : Thu Dec 31 23:59:59 2037
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Services Root Certificate Authority - G2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\172\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\120\060\016\006\003\125\004\105\023\007\101\162\151\172\157
\156\141\061\023\006\021\006\003\125\004\007\023\123\143\157
\164\164\163\144\141\154\145\061\045\060\043\006\003\125\123
\023\034\123\164\141\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\171\060\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

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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 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Starfield Services Root Certificate Authority - G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\222\132\217\215\054\155\004\340\146\137\131\152\377\042\330\143\350\045\157\077
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\027\065\164\257\173\141\034\353\364\371\074\342\356\100\371\242
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\230\061\013\060\001\11\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\060\023\060\021\006\003\125\004\007\023\012\123\143\157
\164\164\163\144\141\154\145\061\104\060\043\006\003\125\004\012
\023\034\123\164\141\162\146\151\145\154\144\040\124\145\143\150
\156\157\154\157\147\151\145\163\054\040\111\156\143\056\061\073
\060\071\006\003\125\004\003\023\062\123\164\141\162\146\151\145
\154\144\040\123\145\162\166\151\143\145\163\040\122\157\157\164
\040\103\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\040\055\040\017\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
CKA_CLASS CK_OBJECT_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"
# Trust for 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

CKA_CLASS CK_OBJECT_CLASS 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_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER 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
CKA_CLASS CK_OBJECT_CLASS CKC_X_509
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\011\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\03\157\155\115
\145\162\143\151\141\154
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\011\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\03\157\155\115
\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
CKA_CLASS CK_OBJECT_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\011\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\03\157\155\115
\145\162\143\151\141\154
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\011\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\03\157\155\115
\145\162\143\151\141\154
END
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS 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"

END
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

CKA_CLASS CK_OBJECT_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

END
CKA_VALUE MULTILINE_OCTAL

END
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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

END

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
# 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

# CKA_CLASS CK_OBJECT_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\010\013\006\001\110\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\010\146\146\151\162\155
\124\162\165\163\164\061\103\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

# CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\155\214\024\106\261\246\012\356

# CKA_ISSUER MULTILINE_OCTAL
\060\010\013\006\001\110\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\010\146\146\151\162\155
\124\162\165\163\164\061\103\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

# 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

# CKA_ID UTF8 "0"

# CKA_ISSUER_MULTILINE_OCTAL
\060\010\013\006\001\110\006\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\014\013\010\146\146\151\162\155
\124\162\165\163\164\061\104\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\013\010

END
# Trust for 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AffirmTrust Premium ECC"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\270\043\153\000\057\035\026\206\123\001\125\154\021\244\067\312
\353\377\303\273
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\144\260\011\125\317\261\132\231\134\276\023\253\246\135\352\115
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\106\003\125\004\006\023\002\125\123\061
\024\060\022\006\003\125\004\012\140\013\101\146\146\151\162\155
\124\161\165\163\164\061\104\060\036\006\003\125\004\003\140\027
\101\146\146\151\162\155\124\162\165\163\164\040\120\162\145\155
\151\165\155\040\105\103\103
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\164\227\045\212\307\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 (0x444e0)
# Subject: CN=Certum Trusted Network CA,OU=Certum Certification Authority,O=Unizeto Technologies S.A.,C=PL
# Not Valid After : Mon Dec 31 12:07:37 2029
CKA_CLASS CK_OBJECT_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
\002\010\164\227\045\212\307\172\124
END
# Trust for 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 After : Mon Dec 31 12:07:37 2029

CKA_CLASS CK_OBJECT_CLASS 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"

END

CKA_CLASS CK_OBJECT_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"

# # 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 After : Tue Dec 31 15:59:59 2030

END

CKA_CLASS CK_OBJECT_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"


```c
\053\165\313\174\237\256\265\321\235\043\067\143\247\334\102\242
\055\222\004\033\212\230\011\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\1370
\227\243\210\035\067\034\134\217\340\166\045\232\120\370\240\124
\377\104\221\160\043\322\206\230\033\253\006\277\374\373\277\363
\255\175\222\142\002\133\051\133\230\65\243\223\123\013\141\0135
\262\237\026\237\073\004\245\115\100\151\237\153\073\343\357\043\375
\151\33\134\051\173\070\061\155\376\012\237\346\017\230\237\060\061
\335\141\122\145\371\123\021\276\042\341\103\34\130\003\272\221\033
\211\107\002\003\000\011\243\102\060\010\060\016\006\003\0125
\035\107\001\001\137\170\040\004\003\002\001\006\060\017\006\003\0125
\035\023\001\001\137\70\040\005\060\003\001\001\137\70\060\035\006\003
\125\035\016\004\026\004\024\152\070\130\336\213\132\362
\117\172\124\203\031\030\034\106\065\246\272\060\015\006\011\1052
\206\110\206\367\015\050\100\050\055\000\003\202\001\100\000\074
\325\167\075\352\333\372\111\272\207\040\101\124\152\040\120\222\226
\260\017\050\271\046\144\203\012\057\350\100\300\227\050\047\202
\060\112\311\122\337\152\347\246\000\177\211\102\223\232\260\021\345
\123\316\057\341\362\332\005\034\376\342\210\304\072\206\167\0314
\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\025\017\235\020\202\000\254
\036\247\011\115\112\261\022\323\150\121\030\276\124\232\277\104\101
\272\111\276\040\272\151\134\356\270\167\315\316\154\037\255\203
\226\030\175\016\265\024\071\204\361\050\351\055\243\236\173\036
\172\162\132\023\263\171\115\357\264\374\320\012\245\130\117\106
\337\373\155\171\131\362\204\042\122\256\017\314\373\174\073\3347
\152\121\071\141\303\172\370\323\222\004\037\270\040\204\341\066
\124\026\307\100\336\073\212\163\334\337\306\011\114\337\354\332
\377\324\123\102\241\131\136\212\142\035\042\203\074\227\305\171\0301
\142\047\254\145\042\327\332\074\306\345\216\262\123\141\111\136
\274\060\376\173\016\063\220\373\355\322\024\221\037\007\257
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for 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 After : Tue Dec 31 15:59:59 2030
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
```

Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 7075
# Certificate "Explicitly Distrust DigiNotar Root CA"

# Issuer: E=info@diginotar.nl, CN=DigiNotar Root CA, O=DigiNotar, C=NL
# Serial Number: 0f:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff
# Subject: E=info@diginotar.nl, CN=DigiNotar Root CA, O=DigiNotar, C=NL
# Not Valid Before: Fri Jul 27 17:19:37 2007
# Not Valid After : Mon Mar 31 18:19:22 2025

CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Explicitly Distrust DigiNotar Root CA"

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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\252\010\217\366\371\173\267\362\261\247\036\233\352\352\275\171

CKA_ISSUER MULTILINE_OCTAL
\060\137\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\006\003\125\004\012\014\011\124\101\111\117\101\116
\055\103\101\061\020\060\016\006\003\125\004\013\014\007\122\157
\157\164\040\010\101\061\052\060\050\006\003\125\004\003\014\041
\124\127\103\101\040\122\157\157\164\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001

END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Trust for Certificate "Explicitly Distrust DigiNotar Root CA"
# Issuer: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Serial Number:0f:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff:ff
# Subject: E=info@diginotar.nl,CN=DigiNotar Root CA,O=DigiNotar,C=NL
# Not Valid Before: Fri Jul 27 17:19:37 2007
# Not Valid After : Mon Mar 31 18:19:22 2025

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED

END

END

END

END

END

END

END

END

END

END

END
# Certificate "Explicitly Distrusted DigiNotar PKIoverheid G2"

# Issuer: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Serial Number: 268435455 (0xffffffff)
# Subject: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Not Valid Before: Wed May 12 08:51:39 2010
# Not Valid After: Mon Mar 23 09:50:05 2020

END
# Trust for Certificate "Explicitly Distrusted DigiNotar PKIoverheid G2"
# Issuer: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Serial Number: 268435455 (0xfffffff)
# Subject: CN=DigiNotar PKIoverheid CA Organisatie - G2,O=DigiNotar B.V.,C=NL
# Not Valid Before: Wed May 12 08:51:39 2010
# Not Valid After : Mon Mar 23 09:50:05 2020

CKA_CLASS CK_OBJECT_CLASS 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 Distrusted DigiNotar PKIoverheid G2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_NOT_TRUSTED
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "Security Communication RootCA2"
# Issuer: OU=Security Communication RootCA2,O="SECOM Trust Systems CO.,LTD.",C=JP
# Serial Number: 0 (0x0)
# Subject: OU=Security Communication RootCA2,O="SECOM Trust Systems CO.,LTD.",C=JP
# Not Valid Before: Fri May 29 05:00:39 2009
# Not Valid After : Tue May 29 05:00:39 2029
<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CKA_CLASS</td>
<td>CK_OBJECT_CLASS</td>
</tr>
<tr>
<td>CKA_TOKEN</td>
<td>CK_BBOOL CK_TRUE</td>
</tr>
<tr>
<td>CKA_PRIVATE</td>
<td>CK_BBOOL CK_FALSE</td>
</tr>
<tr>
<td>CKA_MODIFIABLE</td>
<td>CK_BBOOL CK_FALSE</td>
</tr>
<tr>
<td>CKA_LABEL</td>
<td>UTF8 &quot;Security Communication RootCA2&quot;</td>
</tr>
<tr>
<td>CKA_CERTIFICATE_TYPE</td>
<td>CK_CERTIFICATE_TYPE CKC_X_509</td>
</tr>
<tr>
<td>CKA_SUBJECT</td>
<td>MULTILINE_OCTAL</td>
</tr>
<tr>
<td>CKA_ID</td>
<td>UTF8 &quot;0&quot;</td>
</tr>
<tr>
<td>CKA_ISSUER</td>
<td>MULTILINE_OCTAL</td>
</tr>
<tr>
<td>CKA_SERIAL_NUMBER</td>
<td>MULTILINE_OCTAL</td>
</tr>
<tr>
<td>CKA_VALUE</td>
<td>MULTILINE_OCTAL</td>
</tr>
</tbody>
</table>


```
\200\343\012\034\367\337\227\075\113\256\366\135\354\041\265\101\1253
\315\271\176\166\237\276\376\170\66\064\424\007\331\136\60\0121
\105\164\223\205\127\000\120\053\71\12\13\13\34\253\152\324\265
\332\101\220\020\220\013\262\326\102\21\11\032\277\364\070\022\225\114
\124\053\167\066\44\105\203\173\024\145\326\334\214\115\321\336
\176\014\253\073\304\025\276\072\1\26\246\132\157\166\151\122\251
\172\271\130\353\152\232\135\122\320\055\012\153\065\026\011\020
\204\343\152\322\072\006\000\067\107\344\176\127\117\077\213\353
\147\270\120\252\305\276\123\125\262\221\304\175\271\126\020\050\031
\006\170\056\333\141\012\372\020\365\112\22\241\347\026\325\216
\242\071\137\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\20\235\116\202\026\072\025\447\014\213\361\255\325\044\260
\153\003\120\201\055\074\042\263\335\104\064\047\032\165\373\002\003
\001\100\000\012\243\102\060\100\060\035\006\003\125\035\016\004\026
\000\104\204\102\205\251\167\145\005\230\017\41\100\120\130\017\227\054
\070\036\123\013\354\074\317\060\16\060\003\125\035\17\100\011\377
\004\004\003\002\000\010\006\000\017\006\003\125\035\023\001\001\377
\004\005\006\000\000\011\101\377\060\15\016\015\005\206\011\020\063\67
\015\001\010\130\050\003\013\020\010\110\114\072\243\104\0254
\271\105\261\130\72\223\176\310\013\012\023\372\144\352\023\345\131
\154\010\272\111\137\152\312\12\225\236\172\170\007\305\332\105
\162\202\161\106\072\322\314\157\247\264\241\043\273\366\044\237
\313\0273\376\124\426\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\32
\154\103\037\031\077\216\223\353\361\372\027\356\135\116\33\004
\202\125\326\345\344\335\373\076\005\174\342\035\136\306\247\274
\227\117\150\072\365\351\050\012\033\266\257\127\134\142\150\174
\267\375\243\212\204\240\254\142\276\050\031\110\070\64\360\152\001
\273\233\051\112\067\343\76\006\067\317\043\154\361\116\252\266\164
\106\022\154\221\135\064\325\354\232\221\1347\104\247\220\061\162
\325\111\002\366\002\345\364\037\353\174\331\226\125\251\377\354
\12\237\131\107\377\065\322\002\252\004\313\121\133\207\161\1051
\221\275\244\264\172\015\257\232\365\127\043\000\000\041\027\077
\12\20\132\100\055\111\132\247\266\067\201\1245\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 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
```
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7086
CKA_CERTIFICATE_TYPE CK_Certificate_Type CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\201\363\061\013\060\001\11\006\003\125\004\006\023\002\105\123
\061\073\060\071\006\000\132\023\062\101\114\157\156\143
\151\141\040\103\141\164\141\154\141\156\141\140\040\144\145\040\103
\145\162\164\141\146\151\143\141\143\151\157\040\050\116\111\110
\040\121\055\060\070\060\061\061\067\066\055\11\105\106\105\060\060
\046\060\060\03\125\004\013\023\037\123\145\162\166\145\151\163\040
\120\165\142\154\151\143\141\133\151\157\040\050\116\111\110
\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\161\060\163\072\057\057
\167\167\167\065\143\141\164\143\145\162\164\056\156\154\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\121\145\162\141\162\161\116
\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\013\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

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\201\363\061\013\060\001\11\006\003\125\004\006\023\002\105\123
\061\073\060\071\006\000\132\023\062\101\114\157\156\143
\151\141\040\103\141\164\141\154\141\156\141\140\040\144\145\040\103
\145\162\164\141\146\151\143\141\143\151\157\040\050\116\111\110
\040\121\055\060\070\060\061\061\067\066\055\11\105\106\105\060\060
\046\060\060\03\125\004\013\023\037\123\145\162\166\145\151\163\040
\120\165\142\154\151\143\141\133\151\157\040\050\116\111\110
\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\161\060\163\072\057\057
\167\167\167\065\143\141\164\143\145\162\164\056\156\154\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\037\123\145\162\166\145\151\163\040
\120\165\142\154\151\143\141\133\140\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\161\060\163\072\057\057
\167\167\167\065\143\141\164\143\145\162\164\056\156\154\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\037\123\145\162\166\145\151\163\040
\120\165\142\154\151\143\141\133\140\144\145\040\103\145\162\164\151

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

CKA_VALUE MULTILINE_OCTAL
\060\202\005\126\060\020\004\1476\240\003\02\0001\002\002\020\0356
\053\075\353\324\041\336\024\250\142\254\004\363\335\304\001
\015\006\011\052\026\102\026\067\015\001\001\005\003\000\060\0201
\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\114\157\156\143\151\141
END

# Trust for 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
# 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

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

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CKA_CLASS CK_OBJECT_CLASS 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
0502200721431331222003346167114013155247326272
246112362350
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
35336523505101514137110203717413022721553430250111
END

CKA_ISSUER_MULTILINE_OCTAL
060201363061010306001100600031250004006023002105123
061073060071006003125000401230230621011471451561143
1511410401031411641411541141156141040144145040113
145162164151146114311414311511570400501161111106
14011210550600700600610670660551111051061050060
04600600031250040130230371231451166145151163040
12011651421541151146136304014414504010301451162164151
1461151143114114311511570610650600630060031125000413
023054126145147145165040150164164160163072057057
1671167167056143114164143114511621640561561145164057
166114516214116216214511540400501143051060063061065
060063006003125004013023054112145162141162161165
1511410401051561641511641141164163040144145040103
145162164151114611431141143115115704001031431164141
154114115611451630610170601015006003125004003023006
10510305510103103
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
002020336005307535332404133600242501422540004363335
304001
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 "Hellenic Academic and Research Institutions RootCA 2011"
#
# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority,C=GR
# Not Valid Before: Tue Dec 06 13:49:52 2011
# Not Valid After : Mon Dec 01 13:49:52 2031

CKA_CLASS CK_OBJECT_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 2011"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\225\061\013\060\003\125\004\006\023\002\107\122
\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154\145
\156\151\143\040\101\143\144\145\155\151\143\040\141\156\144
\140\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\063\100\060\076\006\003\125\004\003\023
\167\110\145\154\154\145\151\143\040\101\143\144\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\061
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\225\061\013\060\003\125\004\006\023\002\107\122
\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154\145
\156\151\143\040\101\143\144\145\155\151\143\040\141\156\144
\140\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
\167\110\145\154\154\145\151\143\040\101\143\144\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\061
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\000
END
CKA_VALUE MULTILINE_OCTAL
\060\202\004\061\060\060\020\003\031\240\003\002\001\002\002\001\000
\060\015\006\011\052\206\110\026\367\015\001\001\005\005\006\060
\201\122\250\061\013\060\003\125\004\006\023\002\107\122\061
\104\060\102\006\003\125\004\012\023\073\110\145\154\154\145\156
\151\143\040\101\143\144\145\155\151\143\040\141\156\144
\122\145\163\145\141\162\143\150\040\101\143\164\151\164\165
\164\151\157\156\040\103\145\162\164\056\040\101\165\165
\157\162\151\164\171\061\100\060\076\006\003\125\004\003\023
\110\145\154\154\145\156\151\143\040\101\143\144\145\155\151

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\116\240\123\235\262\072\234\353\245\234\221\026\266\115\202\340
\014\005\110\251\154\365\314\370\033\132\51\116\243\360\002\245\375
\160\003\355\212\041\245\256\023\206\111\303\063\163\276\207\073
\164\213\027\105\046\114\026\221\203\376\147\175\315\115\143\147
\372\363\030\022\226\170\006\215\261\147\355\216\077\276\237\117
\002\365\263\011\057\363\114\207\337\052\313\225\174\001\314\254
\066\172\277\242\163\172\367\217\301\265\232\241\024\262\217\063
\237\015\357\042\334\146\173\204\275\105\027\006\075\074\312\271
\167\064\217\312\352\317\077\061\076\343\321\034\332\200\111\045\310
\127\265\235\232\231\115\260\074\370\112\000\233\144\335\237\071
\113\321\047\327\270
END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for Certificate "Hellenic Academic and Research Institutions RootCA 2011"
# Issuer: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research
Institutions Cert. Authority.C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research
Institutions Cert. Authority.C=GR
# Not Valid Before: Tue Dec 06 13:49:52 2011
# Not Valid After: Mon Dec 01 13:49:52 2031
CKA_CLASS CK_OBJECT_CLASS 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 2011"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\376\105\145\233\171\003\133\230\241\141\265\121\056\254\332\130
\011\110\042\115
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\163\237\114\13\163\133\171\351\372\272\034\357\156\313\325\311
END
CKA_ISSUER MULTILINE_OCTAL
\060\201\225\206\013\060\011\006\003\125\004\006\023\002\107\122
\061\104\060\102\006\003\125\004\012\023\073\110\145\154\154\145
\156\143\143\143\144\144\145\145\155\143\143\143\143\141\156\144
\154\141\142\143\156\143\141\142\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\10\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
# Explicitly Distrust "MITM subCA 1 issued by Trustwave", Bug 724929
# Issuer: E=ca@trustwave.com,CN="Trustwave Organization Issuing CA, Level 2",O="Trustwave Holdings, Inc.".,L=Chicago,ST=Illinois,C=US
# Serial Number: 1800000005 (0x6b49d205)
# Not Before: Apr 7 15:37:15 2011 GMT
# Not After : Apr 4 15:37:15 2021 GMT

# Explicitly Distrust "MITM subCA 2 issued by Trustwave", Bug 724929
# Issuer: E=ca@trustwave.com,CN="Trustwave Organization Issuing CA, Level 2",O="Trustwave Holdings, Inc.".,L=Chicago,ST=Illinois,C=US
# Serial Number: 1800000006 (0x6b49d206)
# Not Before: Apr 18 21:09:30 2011 GMT
# Not After : Apr 15 21:09:30 2021 GMT
# Certificate "Actalis Authentication Root CA"

# Issuer: CN=Actalis Authentication Root CA,O=Actalis S.p.A./03358520967,L=Milan,C=IT
# 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

# Certificate "Actalis Authentication Root CA"

# Issuer: CN=Actalis Authentication Root CA,O=Actalis S.p.A./03358520967,L=Milan,C=IT
# 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
CKA_NSS_MOZILLA_CA_POLICY 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
CKA_CLASS CK_OBJECT_CLASS 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_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL
END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
CKA_CERT_MD5_HASH MULTILINE_OCTAL

END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_ISSUER MULTILINE_OCTAL

END
# Certificate "Trustis FPS Root CA"

# Issuer: OU=Trustis FPS Root CA,O=Trustis Limited,C=GB
# Subject: OU=Trustis FPS Root CA,O=Trustis Limited,C=GB
# Not Valid Before: Tue Dec 23 12:14:06 2003
# Not Valid After: Sun Jan 21 11:36:54 2024

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Trustis FPS Root CA"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\105\061\013\060\001\006\003\125\000\004\006\023\002\017\102\061
\030\060\026\060\003\125\004\012\023\017\124\162\165\163\164\151
\163\040\141\151\155\151\164\145\144\061\103\060\032\006\003\125
\004\013\023\023\124\162\165\163\164\151\163\104\106\120\123\040
\122\157\157\164\040\103\101

CKA_ID UTF8 "0"

CKA_ISSUER_MULTILINE_OCTAL
\060\105\061\013\060\001\006\003\125\004\004\023\002\017\124\162\165\163\164\151
\163\040\141\151\155\151\164\145\144\061\103\060\032\006\003\125
\004\013\023\023\124\162\165\163\164\151\163\104\106\120\123\040
\122\157\157\164\040\103\101

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\033\037\255\266\040\371\044\323\066\153\167\307\361\214
\240\131

CKA_VALUE MULTILINE_OCTAL
\060\202\003\147\060\202\002\117\240\003\002\001\102\002\020\033
\037\255\266\040\371\044\323\066\153\167\307\361\214\240\131
\015\006\011\052\206\110\206\367\015\001\001\005\005\000\006\010
\061\013\060\001\100\060\003\125\004\006\023\002\017\102\061\030\060
\026\006\003\125\004\012\023\017\124\162\165\163\164\151\163\040
# Trust for "Trustis FPS Root CA"
# Issuer: OU=Trustis FPS Root CA,O=Trustis Limited,C=GB
# Subject: OU=Trustis FPS Root CA,O=Trustis Limited,C=GB
# Not Valid Before: Tue Dec 23 12:14:06 2003
# Not Valid After: Sun Jan 21 11:36:54 2024

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Trustis FPS Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\073\300\070\013\063\303\366\246\014\206\025\042\223\331\337\365
\113\201\300\004
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\060\311\347\036\153\006\003\125\004\006\023\002\107\102\061
\030\060\026\006\003\125\004\012\023\017\124\162\165\163\164\151
\163\040\114\151\155\151\164\145\144\061\034\060\032\006\003\125
\004\013\023\023\124\162\165\163\164\151\163\040\106\120\123\040
\122\157\157\164\040\103\101
END
CKA_ISSUER MULTILINE_OCTAL
\060\105\061\013\060\011\006\003\125\004\006\023\002\107\102\061
\030\060\026\006\003\125\004\012\023\017\124\162\165\163\164\151
\163\040\114\151\155\151\164\145\144\061\034\060\032\006\003\125
\004\013\023\023\124\162\165\163\164\151\163\040\106\120\123\040
\122\157\157\164\040\103\101
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\033\037\255\266\040\371\044\323\066\153\367\307\361\214
\240\131
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "Buypass Class 2 Root CA"
# Issuer: CN=Buypass Class 2 Root CA,O=Buypass AS-983163327,C=NO
# Serial Number: 2 (0x2)
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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Buypass Class 2 Root CA"
# Issuer: CN=Buypass Class 2 Root CA,O=Buypass AS-983163327,C=NO
# Serial Number: 2 (0x2)
# Not Valid Before: Tue Oct 26 08:38:03 2010
# Not Valid After : Fri Oct 26 08:38:03 2040
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Buypass Class 2 Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\111\012\165\164\336\207\012\107\376\130\356\366\307\153\353\306
\013\022\100\231
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\106\247\322\376\105\373\144\132\250\131\220\233\170\104\233\051
END
CKA_ISSUER MULTILINE_OCTAL
\060\116\061\101\306\001\125\004\006\023\002\116\117\061
\035\060\033\006\003\125\004\012\014\024\102\165\171\160\141\163
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Buypass Class 3 Root CA"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\332\372\367\372\146\204\354\006\217\024\120\275\307\302\201\245
\274\251\144\127
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\075\073\030\236\054\144\132\350\325\210\316\016\371\067\302\354
END

CKA_ISSUER MULTILINE_OCTAL
\060\116\061\013\060\011\006\003\125\004\006\023\002\116\117\061
\035\060\003\000\003\125\004\012\014\024\012\165\171\160\141\163
\163\040\101\123\055\071\070\063\061\066\063\062\067\061\040
\060\036\006\003\125\004\003\014\027\102\165\171\160\141\163\163
\040\013\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 After : Sat Oct 01 23:59:59 2033

CKA_CLASS CK_OBJECT_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
```
# 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)

\000\060\202\001\012\002\202\000\010\000\027\5\165\223\360\142\042
\157\044\256\340\172\166\025\175\275\331\044\325\270\267\374\315
\360\102\340\353\170\021\012\61\362\332\232\214\035\115\014\212\2366
\323\317\360\341\226\265\330\022\300\043\341\061\206\161\110\112\053
\360\052\054\125\003\326\110\033\334\007\010\070\355\362\134\074\077
\104\274\223\075\141\253\163\151\052\276\360\040\047\130\016\101\04
\177\004\032\207\245\327\226\024\066\220\202\11\117\241\165\073
\032\153\163\261\370\316\251\011\054\362\123\325\303\024\104\270
\206\024\366\213\030\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\372\161\033\012\163\044\133\271
\145\340\054\124\310\140\323\146\027\077\341\314\124\063\163\322
\002\072\246\177\173\166\071\242\037\226\266\070\256\265\310\223
\164\035\236\271\264\345\140\203\350\057\126\321\340\353\136\133\114
\022\160\014\154\040\040\025\201\133\030\364\031\366\322\234\122\067
\347\372\266\302\061\107\311\123\242\024\231\125\350\032\365\135\137
\372\007\252\174\105\037\362\203\036\263\002\003\001\000\001\243
\102\060\100\069\017\066\003\125\035\023\001\001\370\004\005\060
\003\000\100\100\100\017\006\003\125\035\017\000\100\100\370\040\004
\003\002\001\000\006\006\035\006\003\125\035\016\000\042\006\024\265
\003\367\166\073\141\202\152\202\225\203\021\123\353\003\041\224\277
\376\316\321\060\015\000\061\010\052\206\110\206\367\015\000\100\013
\005\000\000\003\202\001\001\000\126\075\357\224\325\275\332\163\262
\130\026\256\220\205\250\230\047\227\376\011\261\260\122\000\270\011\15
\344\033\041\164\033\176\300\356\136\151\052\045\257\134\326\035
\332\232\171\131\113\122\075\340\206\207\336\004\131\017\361\1131
\324\144\205\131\232\157\045\004\036\311\106\251\227\336\202\262
\031\160\237\234\366\257\161\061\133\173\005\245\054\323\271\132
\107\366\312\362\363\134\275\252\271\1110\077\274\026\267\301\155\364
\352\011\257\354\363\265\347\005\236\246\036\212\123\121\326\223
\021\134\122\233\366\271\332\246\045\005\164\171\132\176\100\076
\202\113\046\021\060\156\341\077\101\307\010\000\065\325\365\323
\367\124\076\201\075\332\111\152\232\263\357\020\075\346\353\157
\321\130\042\107\313\131\4317\000\016\222\331\030\343\042\276\011
\036\032\076\132\262\344\151\014\124\172\175\103\116\270\211\245
\173\327\242\075\226\260\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
\1162\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

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```
# Trust for "EE Certification Centre Root CA"
# Issuer: E=pki@sk.ee,CN=EE Certification Centre Root CA,O=AS Sertifitseerimiskeskus,C=EE
# Subject: E=pki@sk.ee,CN=EE Certification Centre Root CA,O=AS Sertifitseerimiskeskus,C=EE
# Not Valid Before: Sat Oct 30 10:10:30 2010
# Not Valid After : Tue Dec 17 23:59:59 2030

CKACLASS CKOBJECTCLASS CKO_NSS_TRUST
CKATOKEN CKBOOL CK_TRUE
CKAPRIVATE CKBOOL CK_FALSE
CKAMODIFIABLE CKBOOL CK_FALSE
CKALABEL UTF8 "EE Certification Centre Root CA"
CKACERT_SHA1_HASH MULTILINE_OCTAL
\311\250\271\347\125\200\136\130\343\123\167\247\045\353\257\303
\173\047\314\327
CKACERT_MD5_HASH MULTILINE_OCTAL
\103\136\210\324\175\032\112\176\375\204\056\122\353\001\324\157
CKAISSUERMULTILINE_OCTAL
\060\061\150\013\060\011\100\003\125\004\006\023\002\105\105\061
\042\060\040\006\003\125\004\012\014\031\101\123\040\123\145\162
\164\151\146\151\164\163\145\145\162\151\155\151\163\153\145\163
\153\165\163\061\105\060\046\006\003\125\004\003\014\037\105\105
\040\103\145\162\164\151\146\151\143\141\164\151\157\150\040\103
\145\156\164\162\145\040\122\157\164\040\103\101\061\030\060
\026\006\011\052\206\110\206\367\015\001\011\001\206\011\160\153
\151\100\163\153\056\145\145
CKASERIALNUMBERMULTILINE_OCTAL
\002\020\124\200\037\124\163\355\077\000\114\312\211\330\343\161
\134\6112
CKATRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKATRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKATRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKATRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
END

CKA_NSS_MOZILLA_CA_POLICY 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)
# Not Valid Before: Thu Nov 05 08:35:58 2009
# Not Valid After : Mon Nov 05 08:35:58 2029
CKA_CLASS CK_OBJECT_CLASS 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_CLASS CK_OBJECT_CLASS 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"
# 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

CKA_CLASS CK_OBJECT_CLASS CKC_X_509
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\101\130\060\111\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
END

CKA_NSS_MOZILLA_CA_POLICY 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "D-TRUST Root Class 3 CA 2 EV 2009"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\226\311\033\013\225\264\020\230\102\372\320\330\042\171\376\140
# 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

# CA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
# CA_TOKEN CK_BBOOL CK_TRUE
# CA_PRIVATE CK_BBOOL CK_FALSE
# CA_MODIFIABLE CK_BBOOL CK_FALSE
# CA_LABEL UTF8 "CA Disig Root R2"
# CA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
# CA_SUBJECT_MULTILINE_OCTAL
# CA_ISSUER MULTILINE_OCTAL
# CA_SERIAL_NUMBER MULTILINE_OCTAL
# CA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# CA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# CA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
# CA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

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# Trust for "CA Disig Root R2"
# Issuer: CN=CA Disig Root R2,O=Disig a.s.,L=Bratislava,C=SK
# Serial Number:00:92:88:db:b0:8:ac:1:63
# 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

CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\046\001\373\330\047\247\027\232\105\124\070\032\103\001\073\003

CKA_ISSUER MULTILINE_OCTAL
\060\122\061\013\060\001\100\006\003\125\004\006\023\002\123\113\061
\023\060\021\006\003\125\004\007\023\012\102\162\141\164\151\163
\154\141\166\141\061\023\060\021\006\003\125\004\012\023\012\104
\151\163\151\147\040\141\056\163\056\061\031\060\027\006\003\125
\004\003\023\020\103\101\040\104\151\163\151\147\040\122\157\157
\164\040\122\062

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

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_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

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ACCVRAIZ1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\102\061\022\060\020\006\003\125\004\003\014\011\101\103\103
\126\122\101\111\132\061\061\020\060\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\012\104\004\010\103\013\126\061\013\060\011\006\003\125\004\006
\023\002\105\123
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\102\061\022\060\020\006\003\125\004\003\014\011\101\103\103
\126\122\101\111\132\061\061\020\060\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\012\104\004\010\103\013\126\061\013\060\011\006\003\125\004\006
\023\002\105\123
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\136\303\267\246\103\177\244\340
END
CKA_VALUE MULTILINE_OCTAL
\060\202\007\323\240\030\003\200\001\002\002\010\136
\303\026\246\103\177\244\340\060\150\060\011\052\206\110\206\367
\101\500\010\059\050\000\060\102\061\022\060\020\006\003\125\004
\003\014\011\101\103\103\126\122\101\111\132\061\061\020\060\016
\006\003\125\004\013\014\007\120\113\111\101\103\103\126\061\015
\060\001\03\060\003\125\004\012\104\004\010\103\103\126\061\013\060
\011\006\003\125\004\006\023\002\105\123\060\036\027\150\061\061
\060\065\060\065\060\071\063\067\063\067\132\027\150\063\060\061
\062\063\061\060\071\063\067\063\067\132\026\010\026\012\022\060\020
\006\003\125\004\003\014\011\101\103\103\126\122\101\111\132\061
\061\102\060\016\006\003\125\004\013\014\007\120\113\111\101\103
\103\126\061\101\050\060\013\006\003\125\004\012\104\004\010\103\103
\126\061\101\060\011\006\003\125\004\006\023\002\105\123\060\020
\002\042\060\150\060\110\052\206\110\206\367\150\010\010\001\000\005
\000\003\202\002\017\000\006\002\020\020\122\022\020\002\000\000\023
\251\125\277\141\112\122\275\057\227\146\232\164\137\320\331\226
\375\137\342\344\146\357\037\037\107\063\320\104\243\337\232\336
\037\265\124\335\25\174\151\065\021\157\273\310\141\216\152\030
\036\330\217\331\026\274\020\110\066\134\360\143\263\220\132\134
CKA_NSS_MOZILLA_CA_POLICY 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
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "ACCVRAIZ1"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\223\005\172\210\025\306\117\316\210\057\372\221\026\122\050\170
\274\13\144\027
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\320\240\132\356\005\266\011\122\041\124\175\361\262\051\020\002
END
CKA_ISSUER MULTILINE_OCTAL
\060\102\061\022\066\020\006\003\125\004\003\014\011\101\103\103
\126\121\101\111\113\061\016\006\003\125\004\013\014
\007\120\113\111\101\103\103\126\061\015\060\013\006\003\125\004
\012\014\004\011\103\103\126\061\013\060\011\006\003\125\004
\023\002\105\123
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\106\136\033\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
# 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 After : Tue Dec 31 15:59:59 2030

CKA_CLASS CK_OBJECT_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\000\003\125\004\012\023\011\124\101\111\127\101\116
\055\103\101\061\013\060\016\006\003\125\004\013\023\007\122\157
\157\164\040\013\101\061\034\060\032\006\003\125\004\003\023\023
\124\127\103\101\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\000\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\013\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\010\020\003\051\124\003\002\001\002\002\002\014
\276\060\15\006\011\052\206\11\020\063\7\15\001\001\013\005\000
\060\121\061\013\060\011\006\003\125\004\006\023\002\124\127\061
\022\060\020\000\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\013\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
\113\215\260\350\004\231\012\222\246\253\047
\056\032\115\201\277\204\324\160\036\255\107\376\375\112\235\063
\340\062\271\104\050\100\041\012\233\221\151\151\163\162\015\276\064
\376\224\121\255\030\036\065\327\242\203\375\345\070\307\245\205
\037\253\137\064\354\077\050\376\014\361\117\206\116\311\125\367
\034\234\033\204\157\75\153\337\202\033\337\201\116\041\145
\261\266\341\027\171\125\105\006\316\137\314\334\106\211\143\150
\104\215\223\144\160\240\075\235\150\005\303\071\160\200\142
\173\204\037\357\344\333\351\101\012\217\203\260\075\011\130\071\173\373\054
\370\023\166\101\336\122\230\034\031\127\032\235\150\167\236\376
\236\105\113\136\367\030\212\030\325\013\262\055\165\267\103
\110\223\347\366\171\206\204\013\350\200\131\140\224\374\170\230\017
\074\223\121\155\100\220\007\337\144\143\044\313\116\161\005\241
\327\224\032\210\062\361\042\164\042\256\146\246\330\022\151\114
\140\243\002\035\053\354\324\143\222\131\362\276\057\166\153\243
\266\046\124\170\003\330\123\62\141\144\106\275\071\142\345\226
\353\064\143\021\050\314\225\361\125\357\373\334\200\130\110\351
\113\270\352\141\054\253\137\040\200\265\265\310\055\317\254\301\237
\331\127\135\214\210\216\034\361\113\203\022\255\034\213\204\326
\236\032\353\203\030\023\271\152\273\030\044\014\006\030\144\054\367
\062\263\153\134\311\171\175\357\236\024\347\076\311\043\303\044\035\025
\222\261\017\221\117\104\062\275\146\163\044\023\150\244\256\143
\301\255\175\204\003\074\020\170\026\033\171\343\304\363\004\000
\225\040\256\043\202\034\263\072\000\142\277\346\066\044\341\127
\127\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\037\353\167\316
\246\072\265\003\063\117\166\321\347\134\124\001\135\313\170\364
\311\014\277\174\022\216\027\055\043\150\224\347\253\376\251\262
\053\006\320\004\015
END
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFT CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFT 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)
# Not Valid After : Tue Dec 31 15:59:59 2030
CKA_CLASS CK_OBJECT_CLASS 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
# Certificate "TeliaSonera Root CA v1"

# Issuer: CN=TeliaSonera Root CA v1,O=TeliaSonera
# 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

CKA_CLASS CK_OBJECT_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
\002\002\014\276
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\067\061\024\060\022\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\010\131\106\103\034\060\032\006\003\125\004\003\023\023
\124\127\103\101\040\107\154\157\142\141\154\040\122\157\157\164
\040\103\101
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\002\014\276
END

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
# Trust for “TeliaSonera Root CA v1"
# Issuer: CN=TeliaSonera Root CA v1, O=TeliaSonera
# 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

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TeliaSonera Root CA v1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\103\023\273\226\361\325\206\233\301\116\152\222\366\317\366\064
\151\207\202\067
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\067\101\111\033\030\126\232\046\365\255\302\146\373\100\245\114
END

CKA_ISSUER MULTILINE_OCTAL
\060\067\061\024\060\022\006\003\125\004\012\014\013\124\145\154
\151\141\123\157\156\145\162\141\061\037\060\035\006\003\125\004
\003\014\026\124\145\154\151\141\123\157\156\145\162\141\040\122
\157\157\164\040\103\101\040\166\061
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\225\276\026\240\367\056\106\366\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-Tugra E.B.G. 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-Tugra E.B.G. 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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "E-Tugra Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\101\252\061\100\013\060\006\003\125\004\006\023\002\124\122
\061\107\060\015\006\003\125\004\007\014\006\010\115\153\141\162
\141\061\100\060\076\060\003\125\004\012\014\067\105\055\124\165
\304\237\162\141\040\105\102\107\040\102\151\154\151\153\035\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\004\006\03\125\004\013\014\035\105\055
\124\165\147\162\141\140\040\123\145\162\164\151\146\151\153\141\163
\171\157\156\040\115\145\162\153\145\172\151\061\105\006\006\006
\003\125\004\003\140\037\105\055\124\165\147\162\141\040\103\145
\162\164\151\114\165\114\114\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\101\252\061\100\013\060\006\003\125\004\006\023\002\124\122
\061\107\060\015\006\003\125\004\007\014\006\010\115\153\141\162
\141\061\100\060\076\060\003\125\004\012\014\067\105\055\124\165
\304\237\162\141\040\105\102\107\040\102\151\154\151\153\035\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\004\006\03\125\004\013\014\035\105\055
\124\165\147\162\141\140\040\123\145\162\164\151\146\151\153\141\163
\171\157\156\040\115\145\162\153\145\172\151\061\105\006\006\006
\003\125\004\003\140\037\105\055\124\165\147\162\141\040\103\145
\162\164\151\114\165\114\114\164\151\157\156\040\101\165\164\150
\157\162\151\164\171
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\101\101\152\150\076\133\123\013\123\154\133\123\013\123\154\133\123
UCKA_VALUE MULTILINE_OCTAL
\060\202\006\113\060\202\004\063\240\003\002\001\100\002\002\101\152
\150\076\234\121\123\313\123\060\015\006\011\105\2\206\110\206\367
\015\001\001\013\005\000\060\201\126\061\013\060\011\106\003\125
\014\006\023\002\012\122\061\017\060\015\006\003\125\004\007\014
\100\061\101\156\153\141\162\141\061\100\060\076\060\063\125\004\012
\014\006\105\055\124\145\304\237\162\141\040\105\102\107\040\102
\151\154\151\105\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

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# Trust for "E-Tugra Certification Authority"
# Issuer: CN=E-Tugra Certification Authority,OU=E-Tugra Sertifikasyon Merkezi,O=E-Tu..ra EBG Bili..im Teknolojileri ve Hizmetleri A.....,L=Ankara,C=TR
# Serial Number:6a:68:3e:9c:51:9b:cb:53
# Subject: CN=E-Tugra Certification Authority,OU=E-Tugra Sertifikasyon Merkezi,O=E-Tu..ra EBG Bili..im Teknolojileri ve Hizmetleri A.....,L=Ankara,C=TR
# Not Valid Before: Tue Mar 05 12:09:48 2013
# Not Valid After : Fri Mar 03 12:09:48 2023

CKA_CLASS CK_OBJECT_CLASS 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"

END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL\121\306\347\010\111\006\156\363\222\324\134\240\015\155\243\142\217\303\122\071
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL\270\241\003\143\260\275\041\161\160\212\157\023\072\273\171\111
END

CKA_ISSUER MULTILINE_OCTAL\060\201\262\061\013\060\001\11\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\010\006\076\006\003\125\004\012\014\067\105\055\124\165\304\237\162\141\040\105\102\107\040\122\151\154\151\130\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\106\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 After : Sat Oct 01 23:59:59 2033
# Fingerprint (MD5): 2B:9B:9E:E4:7B:6C:1F:00:72:1A:CC:C1:77:79:DF: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 "T-TeleSec GlobalRoot Class 2"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\202\061\013\060\011\006\003\125\004\006\023\002\104\105
\061\053\060\051\006\003\125\004\012\014\042\124\055\123\171\163
\164\145\155\163\040\103\143\145\145\163\014\010\157\151\155\142\111\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\143\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\062

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\101\13\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\145\163\014\010\157\151\155\142\111\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\143\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001

END

CKA_VALUE MULTILINE_OCTAL
\060\201\202\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\145\163\014\010\157\151\155\142\111\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\143\156\164\145\162\061\045
\060\043\006\003\125\004\003\014\034\124\055\124\145\154\145\123
\145\143\040\107\154\157\142\141\154\122\157\157\164\040\103\154
\141\163\163\040\062

END
CKA_NSS_MOZILLA_CA_POLICY 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 After : Sat Oct 01 23:59:59 2033
# Fingerprint (MD5): 2B:9B:9E:E4:7B:6C:1F:00:72:1A:CC:C1:77:79:DF: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 "T-TeleSec GlobalRoot Class 2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\131\015\055\175\210\117\100\056\141\176\245\142\062\027\145\317\END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\053\233\236\040\154\040\107\151\163\154\145\142\061\045\060\043\006\031\125\004\013\040\262\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\031\125\004\013\040\262\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\031\125\004\013\040\264\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\040\062\END
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\204\061\103\060\001\11\006\003\125\004\006\023\002\010\105\061\053\060\005\11\006\003\125\004\012\004\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\031\125\004\013\040\262\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\031\125\004\013\040\264\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\040\062\END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\001\001\END
## 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

### CKA TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
### CKA TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
### CKA TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
### CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

### CKA_CLASS CK_OBJECT_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
### CKA_ID UTF8 "0"
### CKA_ISSUER MULTILINE_OCTAL
### CKA_SERIAL_NUMBER MULTILINE_OCTAL
### CKA_VALUE MULTILINE_OCTAL

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Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 7144
CCA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CCA_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:cb: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

CCA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CCA_TOKEN CK_BBOOL CK_TRUE
CCA_PRIVATE CK_BBOOL CK_FALSE
CCA_MODIFIABLE CK_BBOOL CK_FALSE
CCA_LABEL UTF8 "Atos TrustedRoot 2011"


# Certificate "QuoVadis Root CA 1 G3"
# Issuer: CN=QuoVadis Root CA 1 G3,O=QuoVadis Limited,C=BM
# 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): 
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 7148
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0 7149

cka_nss_mozailla_ca_policy 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
# 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):
cka_class cK_OBJECT_CLASS 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
cka_cert_md5_hash multiline_octal
cka_issuer multiline_octal
cka_publisher multiline_octal
# Certificate "QuoVadis Root CA 2 G3"
#
# Issuer: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# 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
CKA_CLASS CK_OBJECT_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_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\002\101\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\002\101\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\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
# Trust for "QuoVadis Root CA 2 G3"
# Issuer: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
# Subject: CN=QuoVadis Root CA 2 G3,O=QuoVadis Limited,C=BM
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# Not Valid Before: Thu Jan 12 18:59:32 2012
# Not Valid After : Sun Jan 12 18:59:32 2042
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS 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"

END
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\011\074\141\363\213\213\334\175\125\337\165\070\002\005\000\341
\045\365\310\066
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\257\014\206\156\277\100\055\177\013\076\022\120\272\022\075\006
END
CKA_ISSUER MULTILINE_OCTAL
\060\110\061\013\060\001\011\006\003\125\004\006\023\002\112\115\061
\031\060\027\060\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\011\040\062\040\010\076
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\104\127\064\044\133\201\211\121\165\136\162\316\270\033\073
\133\247\046\360\165\050
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE

# Certificate "QuoVadis Root CA 3 G3"
# Issuer: CN=QuoVadis Root CA 3 G3,O=QuoVadis Limited,C=BM
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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
110022275222074a250304071006347075061550470226346244
CKA_CERT_MD5_HASH MULTILINE_OCTAL
337175271255124157150241133721112700332271013260327
END
CKA_CERT_HASH_MULTILINE_OCTAL
0601100611030601110060031125000410602300211021150061
031060027006003112500041060230201121651157126141144
15116304011415111551511641451440610360060034060003
1250040032032512116515712614114411511630401221157
15716404011031010400630401070063
END
CKA_ISSUER_MULTILINE_OCTAL
00202405636523330020502471333117237732352243251356275
# Certificate "DigiCert Assured ID Root G2"

# Issuer: CN=DigiCert Assured ID Root G2, OU=www.digicert.com, O=DigiCert, Inc., C=US
# 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
CKA_CLASS CK_OBJECT_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_ID UTF8 "0"
CKA_ISSUER MULTIILINE_OCTAL
CKA_SERIAL_NUMBER MULTIILINE_OCTAL
CKA_VALUE MULTIILINE_OCTAL
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "DigiCert Assured ID Root G2"
# Issuer: CN=DigiCert Assured ID Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "DigiCert Assured ID Root G2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\226\154\016\104\146\020\104\217\255\005\353\370\171\254\246\033
\350\067\064\235\123\311\114\125\242\122\257\112\160\026\206\032
\072\126\102\331\006\066\033\031\356\364\012\026\035\133\114\375
\007\234\124\272\153\101\116\134\363\115\301\335\016\261\034\015
\034\143\276\155\136\042\373\211\354\242\101\016\114\343\310\127
\100\320\156\003\252\150\142\216\211\231\123\154\360\007\406\025
\070\337\157\274\124\326\051\040\047\253\164\377\023\042\170\336
\227\122\125\036\203\255\121\040\003\356\256\300\117\126\366\067
\014\030\177\252\004\047\273\323\167\270\142\333\027\174\234\050
\042\023\163\154\170\046\365\212\051\034

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\241\113\110\331\044\202\145\054\120\042\006\003\125\151\162\164\040\111\104\040
\122\157\157\164\040\070\062

END

CKA_ISSUER MULTILINE_OCTAL
\106\145\061\013\060\001\110\066\003\125\004\006\023\002\125\123\061
\025\060\002\030\006\003\125\004\012\023\014\010\151\147\151\103\145
\162\164\040\011\116\156\143\061\013\060\027\006\003\125\004\013\023
\020\167\167\167\167\056\144\151\147\151\143\145\162\164\056\143\157
\155\061\044\060\004\202\006\003\125\004\003\023\033\104\151\147\151
\103\145\162\164\040\011\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
# Certificate "DigiCert Assured ID Root G3"

# Issuer: CN=DigiCert Assured ID Root G3, O=www.digicert.com, O=DigiCert Inc, C=US
# Subject: CN=DigiCert Assured ID Root G3, O=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):

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

END

# CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
# CKA_TOKEN CK_BBOOL CK_TRUE
# CKA_PRIVATE CK_BBOOL CK_FALSE
# CKA_MODIFIABLE CK_BBOOL CK_FALSE

END

# CKA_ID UTF8 "DigiCert Assured ID Root G3"

# CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

END

# CKA_SUBJECT MULTILINE_OCTAL

END

# CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

# CKA_VALUE MULTILINE_OCTAL

END

# CKA_ISSUER MULTILINE_OCTAL

END

# CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

# CKA_VALUE MULTILINE_OCTAL

END

END
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# Trust for "DigiCert Assured ID Root G3"
# Issuer: CN=DigiCert Assured ID Root G3,OU-www.digicert.com,O=DigiCert Inc,C=US
# 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):

END

CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
# Certificate "DigiCert Global Root G2"

# Issuer: CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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):

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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 "DigiCert Global Root G2"
# Issuer: CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS 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\009\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\104\060\036\066\060\033\125\004\003\023\027\104\151\147\151
\103\145\162\164\040\107\154\157\142\141\154\040\122\157\157\164
\040\107\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\003\072\361\346\247\021\125\124\023\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
# 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):
CKA_CLASS CK_OBJECT_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
# Certificate "DigiCert Trusted Root G4"

# Issuer: CN=DigiCert Trusted Root G4,OU=www.digicert.com,O=DigiCert Inc,C=US
# 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

CKA_CLASS CK_OBJECT_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

END

CKA_ID UTF8 "0"

END

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

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# Not Valid Before: Tue Jan 19 00:00:00 2010
# Not Valid After : Mon Jan 18 23:59:59 2038
# 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 "COMODO RSA Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\013\013\060\001\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\020\103\117\115\117\104\117
\040\010\110\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\024\103\117\115\117\104\117\040\012\123\101
\040\010\114\151\162\164\151\146\151\143\141\164\151\157\156\040\010
\165\164\150\157\162\151\164\171
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\013\013\060\001\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\020\103\117\115\117\104\117
\040\010\110\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\024\103\117\115\117\104\117\040\012\123\101
\040\010\114\151\162\164\151\146\151\143\141\164\151\157\156\040\010
\165\164\150\157\162\151\164\171
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\114\252\371\312\333\143\157\340\037\367\116\330\133\003
\206\235
END

CKA_VALUE MULTILINE_OCTAL
\060\020\125\005\030\010\001\000\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\020\103\117\115\117\104\117
\040\010\110\040\114\151\155\151\164\145\144\061\053\060\051\006
\003\125\004\003\023\024\103\117\115\117\104\117\040\012\123\101
\040\010\114\151\162\164\151\146\151\143\141\164\151\157\156\040\010
\165\164\150\157\162\151\164\171
END

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END

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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "COMODO RSA Certification Authority"
# Issuer: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB
# Subject: CN=COMODO RSA Certification Authority,O=COMODO CA Limited,L=Salford,ST=Greater Manchester,C=GB
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "USERTrust ECC Certification Authority"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\012\010\061\013\060\006\003\125\004\006\023\002\125\123\061\023\060\021\006\003\125\004\010\023\012\116\145\167\040\012
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013\112\145\162\163\145\171\040\010\151\164\171\061\036\060\003\040
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\121\12
\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\010\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\012\010\061\013\060\006\003\125\004\006\023\002\125\123\061\023\060\021\006\006\125\004\010\023\012\116\145\167\040\012
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013\112\145\162\163\145\171\040\010\151\164\171\061\036\060\003\040
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\121\12
\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\010\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
\060\013\010\061\013\060\011\006\006\003\125\004\006\023\002\125\123\061\023\060\021\006\006\125\004\010\023\012\116\145\167\040\012
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013\112\145\162\163\145\171\040\010\151\164\171\061\036\060\003\040
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\121\12
\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\010\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_VALUE MULTILINE_OCTAL
\060\012\010\061\013\060\006\003\125\004\006\023\002\125\123\061\023\060\021\006\006\125\004\010\023\012\116\145\167\040\012
\145\162\163\145\171\061\024\060\022\006\003\125\004\007\023\013\112\145\162\163\145\171\040\010\151\164\171\061\036\060\003\040
\003\125\004\012\023\025\124\150\145\040\125\123\105\122\124\121\12
\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\010\145\162\164\151\146\151\143\141\164\151\157
\156\040\101\165\164\150\157\162\151\164\171
END
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE 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
# 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):
# Fingerprint (SHA1):

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
# Certificate "GlobalSign ECC Root CA - R4"

# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4
# 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):

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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "GlobalSign ECC Root CA - R4"
# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R4
# 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):

CKA_CLASS CK_OBJECT_CLASS 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"

---

# Certificate "GlobalSign ECC Root CA - R5"

---
# Trust for "GlobalSign ECC Root CA - R5"

# Issuer: CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC Root CA - R5

# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS 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"

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# 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

CKA_CLASS CK_OBJECT_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

END
END
CKA_NSS_MOZILLA_CA_POLICY 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Staat der Nederlanden Root CA - G3"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\330\353\153\101\121\222\131\340\363\347\205\000\300\075\266\210
\227\311\356\374
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\013\106\147\007\333\020\057\031\214\065\120\140\321\013\364\067
END
CKA_ISSUER MULTILINE_OCTAL
\060\132\061\061\013\060\001\110\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\140\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_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_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
# 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): 

CKA_CLASS CK_OBJECT_CLASS 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"

END
\374\006\257\173\361\232\264\350\032\300\365\272 END

CKA_ISSUER MULTILINE_OCTAL
\060\130\061\013\060\001\110\060\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\145\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\145\145\162\154\141\156\144\145\156\040
\105\126\040\122\157\157\164\040\103\110
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\000\230\226\215 END

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

#
# Certificate "IdenTrust Commercial Root CA 1"
#
# Issuer: CN=IdenTrust Commercial Root CA 1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:00:01:45:23: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):
CKA_CLASS CK_OBJECT_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\122\060\013\060\001\110\060\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\104\061 END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\122\060\013\060\001\110\060\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

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# 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:E0:88:CB:CA:D0:01:42:80:00:00:01:45:23:c8:44:b5:00:00:00:02

# 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):

# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "IdenTrust Public Sector Root CA 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\115\061\13\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\02\00\00\00\03\125\004\012\023\011\000\000\144\145\156\124\162
\165\163\164\052\060\050\006\003\125\004\003\023\041\11\144
\145\156\124\162\165\163\164\040\120\165\142\154\151\143\040\123
\145\143\164\157\162\040\122\157\157\164\040\03\101\040\061

END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\115\061\13\060\011\006\003\125\004\006\023\002\125\123\061
\022\060\02\00\00\00\03\125\004\012\023\011\000\000\144\145\156\124\162
\165\163\164\052\060\050\006\003\125\004\003\023\041\11\144
\145\156\124\162\165\163\164\040\120\165\142\154\151\143\040\123
\145\143\164\157\162\040\122\157\157\164\040\03\101\040\061

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\007\061\000\102\200\000\000\001\010\543\317\106\174\000\000
\000\002

END

CKA_VALUE MULTILINE_OCTAL
\060\202\005\146\060\020\003\116\240\003\002\001\002\002\020\012
\001\102\020\000\000\000\001\105\043\317\106\174\000\000
\000\002

END

CKA_VALUE_MULTILINE_OCTAL
\060\02\020\000\051\146\060\020\002\03\116\240\003\002\001\002\002\020\012
\001\102\020\000\000\000\001\105\043\317\106\174\000\000
\000\002

END

CKA_VALUE_MULTILINE_OCTAL
\060\02\020\000\051\146\060\020\002\03\116\240\003\002\001\002\002\020\012
\001\102\020\000\000\000\001\105\043\317\106\174\000\000
\000\002

END

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```
# Trust for "IdenTrust Public Sector Root CA 1"
# Issuer: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Serial Number:0a:01:42:80:00:00:01:45:23:cf:46:7c:00:00:00:02
# Subject: CN=IdenTrust Public Sector Root CA 1,O=IdenTrust,C=US
# Not Valid Before: Thu Jan 16 17:53:32 2014
# Not Valid After : Mon Jan 16 17:53:32 2034

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "IdenTrust Public Sector Root CA 1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\272\051\101\140\167\230\077\364\363\357\362\061\005\073\056\032 \155\115\105\0375
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\067\006\245\260\0374\211\235\264\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
```
Certificate "Entrust Root Certification Authority - G2"

Certificate "Entrust Root Certification Authority - EC1"

Issuer: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc." - for authorized use
# Trust for "Entrust Root Certification Authority - EC1"
# Issuer: CN=Entrust Root Certification Authority - EC1,OU="(c) 2012 Entrust, Inc. - for authorized use only",O=See www.entrust.net/legal-terms,O="Entrust, Inc.",C=US
# Serial Number:00:a6:8b:79:29:00:00:00:00:5d:01:91: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):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS 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 - ECl"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\040\330\006\100\337\233\045\365\022\045\072\021\352\367\131\212
\353\024\265\107
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\266\176\035\360\130\013\060\046\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\062\040\105\156\164\162\165\163\164\056\040\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\060\003\125\004
\013\023\037\123\145\145\040\167\167\167\056\145\156\164\162\165
\163\164\056\156\145\164\057\154\145\147\141\154\055\164\145\162
\155\163\061\071\060\067\006\003\125\004\013\023\060\050\143\051
\040\062\060\061\062\040\105\156\164\162\165\163\164\054\040\111
\156\143\056\040\055\040\146\157\162\040\141\165\164\150\157\162
\151\172\145\144\040\165\163\145\040\157\156\154\171\061\063\060
\061\006\003\125\004\003\023\052\105\156\164\162\165\163\164\040
\122\157\157\164\040\103\145\162\164\151\146\151\143\141\164\151
\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\105
\103\061
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\015\000\024\021\13\17\051\000\000\000\000\120\032\022\1\371
END
# 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):

cka_trust_server_auth CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
cka_trust_email_protection CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
cka_trust_code_signing CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
cka_trust_step_up_approved CK_BBOOL CK_FALSE
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# 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

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
# Fingerprint (SHA-256):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS 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"

END

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\342\270\051\113\125\204\253\153\130\302\220\106\154\254\077\270
\071\217\204\203
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\164\341\266\355\046\172\172\104\060\063\224\253\173\047\201\060
END

CKA_ISSUER MULTILINE_OCTAL
\060\126\061\013\060\011\006\003\125\004\012\140\047\103\150\151\156\141\040
\106\151\156\141\156\143\151\141\154\040\103\145\162\164\151\146
\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164
\171\061\025\060\023\006\003\125\004\003\014\014\103\106\103\101
\040\105\126\040\122\117\117\124
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\004\030\112\314\326
END

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

# Certificate "OISTE WIsEKey Global Root GB CA"

# Issuer: CN=OISTE WIsEKey Global Root GB CA,OU=OISTE Foundation Endorsed,O=WIsEKey,C=CH
# 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):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_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
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE

CKA_NSS_SERVER_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
# 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):

# CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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\060\003\125\004\012\230\007\127\111\123\145\131\145
\171\061\042\060\040\006\003\125\004\013\230\033\111\117\123\124
\105\040\106\157\165\156\144\141\164\151\157\156\040\105\156\144
\157\162\163\145\144\061\105\060\046\006\003\125\004\003\230\037
\117\111\123\124\105\040\127\111\123\145\131\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\061\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
# 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):
CKA_CLASS CK_OBJECT_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"
END

# Trust for "SZAFIR ROOT CA2"
# Issuer: CN=SZAFIR ROOT CA2,O=Krajowa Izba Rozliczeniowa S.A.,C=PL
# 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):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE 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
# 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):
# Fingerprint (SHA1):

cka_class CK_OBJECT_CLASS CKO_CERTIFICATE
cka_token CK_BBOOL CK_TRUE
cka_private CK_BBOOL CK_FALSE
cka_modifiable CK_BBOOL CK_FALSE
cka_label UTF8 "Certum Trusted Network CA 2"
cka_certificate_type CK_CERTIFICATE_TYPE CKC_X_509
cka_subject_multiline_octal
\060\201\200\061\013\060\000\033\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061\050\060\046\006\003\0125\004\006\023\002\0120\0114\061
\051\361\043\050\162\131\266\253\302\214\146\046\034\167\054\046\016\065\213\050\247\151\240\371\073\365\043\335\205\202\201\042\233\011\22\001\126\221\134\275\272\210\073\324\022\227\021\042\343\024\111\22\4\145\347\267\224\113\272\055\244\332\063\213\114\246\104\377\13\207\306\035\144\330\265\061\134\424\266\074\172\250\127\013\333\35\51\141\032\133\361\316\163\167\143\244\207\157\114\121\070\326\34\41\373\072\237\266\201\052\344\205\110\171\130\136\073\370\333\002\202\147\301\071\333\303\164\137\075\066\036\371\051\223\210\15\01\331\250\014\031\041\360\247\350\201\015\054\350\223\020\066\026\067\262\312\260\033\046\172\232\045\037\232\232\200\236\113\052\077\373\243\232\376\163\062\161\130\236\306\162\341\121\150\047\36\134\017\264\304\114\245\141\122\370\227\020\007\052\060\045\12\51\271\130\161\270\357\150\314\055\176\365\340\176\017\202\250\15\72\266\272\154\203\103\167\315\212\222\027\241\236\133\170\026\075\105\342\063\162\335\341\146\312\231\132\311\035\046\375\015\15\000\106\256\266\331\233\214\276\031\127\62\130\036\203\134\134\192\120\054\330\157\112\007\331\311\016\332\100\165\63\262\004\247\031\157\236\012\020\230\165\346\225\213\140\274\355\035\022\32\72\121\316\325\230\134\126\226\003\030\356\167\006\065\377\317\34\43\56\077\023\041\135\363\133\32\055\205\360\035\152\235\262\030\01\11\050\303\223\241\162\207\374\107\266\240\013\030\361\304\336\10\31\000\101\52\137\073\360\166\143\337\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
# 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):
# Fingerprint (SHA1):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certum Trusted Network CA 2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL:
\323\335\110\076\053\277\114\005\350\257\020\365\372\16\046\317\323\334\060\222
END
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  7221
CKA_NSS_MOZILLA_CA_POLICY 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):
CKA_CLASS CK_OBJECT_CLASS 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


```
# 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):
CKA_CLASS CK_OBJECT_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_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
```
\162\143\150\040\111\156\163\164\151\164\165\164\151\157\156\163
\040\103\145\162\164\056\040\101\165\164\150\157\162\151\164\171
\061\104\060\102\006\000\125\004\003\023\073\110\145\154\154\145
\156\151\143\140\010\143\144\144\145\145\155\151\143\040\141\156\144
\040\122\145\163\145\141\162\143\150\040\111\156\163\164\151\164
\165\164\151\157\156\163\040\105\103\103\040\122\157\157\164\103
\101\040\062\060\061\065\060\166\060\020\006\007\052\206\110\316
\075\002\001\016\005\053\201\004\003\125\004\003\023\073\110\145\154
\156\151\143\040\101\143\141\144\155\151\143\040\141\156\144
\061\062\256\052\236\371\055\116\231\357\054\110\157\114\045\050\153
\321\161\133\337\035\301\165\067\264\327\372\173\172\102\234\152
\012\126\132\174\151\013\252\200\110\044\154\176\301\106\243\102
\060\100\060\017\006\003\125\035\023\001\100\137\004\005\060\003
\001\100\137\060\016\060\003\125\035\017\001\100\137\004\000\003
\002\001\006\060\035\006\003\125\035\016\004\026\060\004\224\264\042
\013\022\073\044\001\016\023\042\273\344\166\375\273\373\227\040\223
\231\105\206\001\120\060\100\052\206\110\316\075\004\003\002\003\147
\000\060\144\002\060\014\216\026\024\225\142\105\247\251
\225\044\300\122\042\234\062\073\300\033\235\272\251\347\370\004
\103\123\205\035\122\041\133\360\123\135\045\020\076\236\130\113\057
\327\147\023\016\041\002\060\005\341\165\001\133\150\035\052\037
\115\144\011\100\105\135\413\255\144\027\050\347\165\316\105\145
\162\041\027\133\042\101\016\214\023\230\070\232\124\155\233\132
\342\174\352\002\130\042\221
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Hellenic Academic and Research Institutions ECC RootCA 2015"
# Issuer: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR
# Serial Number: 0 (0x0)
# Subject: CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority,L=Athens,C=GR
# Not Valid Before: Tue Jul 07 10:37:12 2015
# Not Valid After : Sat Jun 30 10:37:12 2040
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_CLASS 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
Certificate "ISRG Root X1"

# Issuer: CN=ISRG Root X1,O=Internet Security Research Group,C=US
# 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

# Certificate Issuer

# Certificate Serial Number

# Certificate Not Valid Before

# Certificate Not Valid After

# Certificate Fingerprint (SHA-256)

# Certificate Fingerprint (SHA1)
CKA_CLASS CK_OBJECT_CLASS 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"

# Trust for "ISRG Root X1"
# Issuer: CN=ISRG Root X1,O=Internet Security Research Group,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\014\322\371\340\332\027\163\351\355\206\115\245\343\160\347\116

CKA_ISSUER MULTILINE_OCTAL
\060\117\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\051\060\047\006\003\125\004\012\023\040\111\156\164\145\162\156
\145\160\040\123\145\143\165\162\151\164\171\040\122\145\163\145
\141\162\141\135\190\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\202\020\020\317\260\322\100\343\131\104\143\340\273\143
\202\213\000

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
# Certificate "AC RAIZ FNMT-RCM"

# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA_TOKEN UTF8 "AC RAIZ FNMT-RCM"

END

# Certificate "AC RAIZ FNMT-RCM"

# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA_TOKEN UTF8 "AC RAIZ FNMT-RCM"

END

# Certificate "AC RAIZ FNMT-RCM"

# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA_TOKEN UTF8 "AC RAIZ FNMT-RCM"

END

# Certificate "AC RAIZ FNMT-RCM"

# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA_TOKEN UTF8 "AC RAIZ FNMT-RCM"

END

# Certificate "AC RAIZ FNMT-RCM"

# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA_TOKEN UTF8 "AC RAIZ FNMT-RCM"

END

# Certificate "AC RAIZ FNMT-RCM"

# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "AC RAIZ FNMT-RCM"
CKA_TOKEN UTF8 "AC RAIZ FNMT-RCM"

END
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

7233
# Trust for "AC RAIZ FNMT-RCM"

# Issuer: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES


# Subject: OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES


# Not Valid After: Tue Jan 01 00:00:00 2030

# Fingerprint (SHA-256):

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# Fingerprint (SHA1):

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CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST

CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "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\034\127\035
END
CKA_ISSUER MULTILINE_OCTAL
\060\073\061\013\060\011\006\003\125\004\006\023\002\105\123\061
\021\060\017\006\003\125\004\012\014\010\106\116\115\124\055\122
\103\115\061\031\060\027\006\003\125\004\013\014\020\101\103\040
\122\101\111\132\040\106\116\115\124\055\122\103\115
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\017\135\223\215\060\147\066\031\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
# 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):


# Fingerprint (SHA1)


CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 1"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\071\061\013\060\001\100\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\013\010\040\061
END
\003\202\001\000\000\230\362\067\132\101\220\241\032\305\166\121
\050\040\066\043\016\256\346\050\050\273\252\370\224\256\110\244\060
\177\033\374\044\215\113\264\310\024\227\366\266\361\172\160\310
\123\223\314\010\050\043\230\045\317\043\244\371\136\041\323\174
\205\011\255\116\232\165\072\302\013\152\211\170\166\104\107\030
\145\014\215\011\216\073\177\232\336\364\265\247\120\327\005\054
\067\350\003\113\255\351\141\240\002\156\365\362\360\305\262\355
\133\267\334\372\224\134\167\236\023\245\177\122\255\225\362\370
\232\073\336\121\134\133\121\122\113\140\257\024\367\113\357
\243\373\237\100\225\155\061\124\374\102\323\307\106\037\043\255
\331\107\110\160\232\331\165\170\161\321\162\103\064\165\156\127
\131\302\002\134\046\140\051\137\043\031\026\216\210\103\324
\344\313\010\373\043\021\103\350\102\135\051\162\142\241\251\135\136
\010\324\220\256\267\030\313\016\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\242\276\361\127
END
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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\016\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\230\061\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
# Certificate "Amazon Root CA 2"

# Issuer: CN=Amazon Root CA 2,O=Amazon,C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156\061\031\060\027\006\003\125\004\003\023\020\010\155\141\172\157\156\156\040\122\157\157\164\040\033\101\040\062 END

CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156\061\031\060\027\006\003\125\004\003\023\020\010\155\141\172\157\156\156\040\122\157\157\164\040\033\101\040\062 END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\023\006\154\237\317\231\277\214\012\071\134\2\360\170\212\103 \346\226\066\133\132 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_BOOL CK_FALSE
END

# Trust for "Amazon Root CA 2"
# Issuer: CN=Amazon Root CA 2,O=Amazon,C=US
# 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

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7240
CKA_CLASS CK_OBJECT_CLASS 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\14\123\104\226\265\170
\317\107\113\032
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\310\345\215\316\250\102\342\172\052\052\134\174\236\046\277\146
END
CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\023\006\154\237\322\226\065\206\237\012\017\345\206\170\0370
\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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 3"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\071\061\013\060\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
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7241
# Issuer: CN=Amazon Root CA 3,O=Amazon,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Amazon Root CA 3"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\015\104\335\214\074\214\032\032\130\165\144\201\351\017\056\052
\377\263\322\156
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\240\324\357\015\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\012\004\000\023\002\125\123\061
\017\060\015\006\003\012\004\012\023\006\010\155\141\172\157\156
\061\031\060\027\070\060\003\012\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\16\040\010\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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):

CKA_CLASS CK_OBJECT_CLASS 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\301\353\256
\034\357\143\276

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\211\074\047\325\353\027\215\006\152\151\132\375\211\107\264\315

CKA_ISSUER MULTILINE_OCTAL
\060\071\061\013\060\011\006\003\125\004\006\023\002\125\123\061
\017\060\015\006\003\125\004\012\023\006\101\155\141\172\157\156
\061\031\060\027\006\003\125\004\003\023\020\101\155\141\172\157
\156\040\122\157\157\164\040\103\101\040\064

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

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

#
# Certificate "LuxTrust Global Root 2"

#

# Issuer: CN=LuxTrust Global Root 2,O=LuxTrust S.A.,C=LU
# Subject: CN=LuxTrust Global Root 2,O=LuxTrust S.A.,C=LU
# Not Valid Before: Thu Mar 05 13:21:57 2015
# Not Valid After : Mon Mar 05 13:21:57 2035
# 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 "LuxTrust Global Root 2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\016\013\060\011\006\003\125\004\006\023\002\114\125\061
\026\060\024\006\003\125\004\012\014\015\114\165\170\124\162\165
\163\164\040\123\056\101\056\061\037\060\035\006\003\125\004\003
\014\026\114\165\170\124\162\165\163\164\040\107\154\157\142\141
\154\040\022\157\157\164\040\062

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\016\013\060\011\006\003\125\004\006\023\002\114\125\061
\026\060\024\006\003\125\004\012\014\015\114\165\170\124\162\165
\163\164\040\123\056\101\056\061\037\060\035\006\003\125\004\003
\014\026\114\165\170\124\162\165\163\164\040\107\154\157\142\141
\154\040\022\157\157\164\040\062

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\012\176\246\337\113\104\236\332\152\044\205\236\346\270
\025\323\026\177\273\261

END

CKA_VALUE MULTILINE_OCTAL
\060\020\005\030\060\020\003\253\240\003\002\001\002\002\024\012
\176\246\337\113\104\236\332\152\044\205\236\346\270\025\323\026
\177\273\261\060\015\006\001\115\052\206\110\206\367\150\001\013
\005\000\060\016\060\013\060\011\006\003\125\004\006\023\002\014
\125\061\026\060\024\006\003\125\004\012\014\015\114\165\170\124
\162\165\163\164\040\123\056\101\056\061\037\060\035\006\003\125
\004\003\014\020\114\165\170\124\162\165\163\164\040\107\154\157\142\141
\154\040\022\157\157\164\040\062

END
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "LuxTrust Global Root 2"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\036\016\126\031\012\321\213\045\230\262\004\104\377\146\212\004
\027\231\137\077
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\262\341\011\000\141\257\367\361\122\115\307\146\212\004
\027\231\137\077
END
CKA_ISSUER MULTILINE_OCTAL
\060\106\061\013\060\011\006\003\125\004\006\023\002\114\125\061
\026\060\024\006\003\125\004\012\014\015\114\165\170\124\162\165
\163\164\040\123\056\101\056\061\037\060\035\006\003\125\004\003
\014\026\114\165\170\124\162\165\163\164\040\017\154\157\142\141
\154\040\122\115\157\164\040\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\012\176\246\337\113\104\236\332\152\205\236\346\270
\025\323\026\177\273\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 "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
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Symantec Class 1 Public Primary Certification Authority - G6"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7249
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\012
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\013\157\162\160\157\162\141\164\151\157\156\061
\037\060\035\006\003\125\004\012\023\024\123\171\155\141\156\164
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\115\060\013\060\003\125\004\003\023\074\123\171\155\141\156
\164\145\143\040\103\154\141\163\163\040\061\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\146\114\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\32\320
\363\230
END
CKA_VALUE MULTILINE_OCTAL
\060\202\020\003\366\060\020\020\023\366\240\003\002\000\100\020\020\044
\062\165\362\035\057\322\011\063\367\264\152\32\320
\015\006\110\052\206\110\006\367\015\001\001\013\005\000\060\201
\224\061\013\060\011\006\003\125\004\006\023\002\125\123\061\035
\060\033\006\003\125\004\012\023\024\123\171\155\141\156\164\145
\134\030\013\157\156\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\151
\040\012\162\165\163\164\040\116\145\164\167\157\162\153\061\105
\013\006\003\125\004\003\023\074\123\171\155\141\156
\143\040\103\154\141\163\163\040\061\040\120\165\142\154\151
\040\120\162\151\155\141\162\171\040\103\145\162\164\151
\143\141\146\141\151\157\156\040\116\145\150\157\162\151
\140\055\040\107\066\060\003\027\015\061\061\060\060\060\060
\060\060\060\060\060\322\027\015\063\067\061\062\060\061\062\063
\065\071\065\713\32\060\201\124\061\013\060\011\006\003\125\004
\100\023\002\125\123\061\035\006\033\006\031\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\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\030\006\003\125\004\003\023\074
# 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
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Symantec Class 1 Public Primary Certification Authority - G6"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\121\177\141\036\051\221\153\123\202\373\162\347\104\331\215\303\134\123\155\144
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\057\250\264\332\366\144\111\13\036\202\371\106\075\124\032\174\260
END

CKA_ISSUER MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156\164\145\143\040\103\157\162\160\157\162\141\164\151\157\156\061\037\060\035\006\003\125\004\013\023\026\123\171\155\141\156\164\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153\061\105\060\103\006\003\125\004\003\023\074\123\171\155\141\156\164\145\143\040\103\154\141\163\163\040\061\040\120\165\142\154\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107\066
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\044\062\165\362\035\057\322\011\063\367\264\152\312\320\363\230
END

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

# Certicate "Symantec Class 2 Public Primary Certification Authority - G6"
\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\163\256\245\002\021\366
\166\053\201\127\333\175\322\164\060\375\124\107\366\340\026\156
\246\264\012\110\346\175\007\170\105\103\111\136\171\364\266
\154\305\137\231\325\037\113\372\337\155\054\074\015\124\200\160
\360\210\110\037\303\170\242\270\035\160\363\116\214\374\336
\245\311\317\255\035\317\231\045\122\105\326\153\275
\111\115\245\242\214\151\171\045\256\270\114\154\213\100\146\113
\026\077\317\020\032\335\064\151\150\074\015\124\200\160
\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
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# 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
# 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):
CKA_CLASS CK_OBJECT_CLASS 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\177\350\125\274\071\123\312\160\117\116\302
\121\324\035\217
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\175\013\203\345\037\174\255\007\117\040\251\265\337\143\355\171
END

CKA_ISSUER_MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\103\157\162\160\157\162\121\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
Certificate "Symantec Class 1 Public Primary Certification Authority - G4"

# Issuer: CN=Symantec Class 1 Public Primary Certification Authority - G4,OU=Symantec Trust Network,O=Symantec Corporation,C=US
# Subject: CN=Symantec Class 1 Public Primary Certification Authority - G4,OU=Symantec Trust Network,O=Symantec Corporation,C=US
# Not Valid Before: Wed Oct 05 00:00:00 2011
# Not Valid After: Mon Jan 18 23:59:59 2038

[...]

END
# Trust for "Symantec Class 1 Public Primary Certification Authority - G4"
# Issuer: CN=Symantec Class 1 Public Primary Certification Authority - G4,OU=Symantec Trust
# Subject: CN=Symantec Class 1 Public Primary Certification Authority - G4,OU=Symantec Trust
# Not Valid Before: Wed Oct 05 00:00:00 2011
# Not Valid After : Mon Jan 18 23:59:59 2038
# Fingerprint (SHA-256):

CKA_CLASS CK_OBJECT_CLASS 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 - G4"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\204\362\343\335\203\023\076\251\035\031\122\177\002\327\051\127
\021\137\346\147
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\004\345\200\077\125\377\131\120\244\062\322\025\245\345\252\346 END

CKA_ISSUER MULTILINE_OCTAL
\060\201\224\061\110\103\065\003\125\004\006\023\002\125\123
\061\035\060\033\066\033\125\004\120\232\024\123\171\15\141\156
\164\145\143\040\103\157\162\160\151\164\151\157\156\061
\037\060\035\006\003\125\004\013\023\026\123\171\15\141\156
\145\143\040\124\162\165\163\164\040\116\145\164\167\157\162\153
\061\105\060\013\006\033\125\004\032\023\074\123\171\15\141\156
\164\145\143\040\103\154\141\163\163\040\061\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\171\040\103\145\162\164\151
# Certificate "Symantec Class 2 Public Primary Certification Authority - G4"
#
# Issuer: CN=Symantec Class 2 Public Primary Certification Authority - G4,OU=Symantec Trust Network,O=Symantec Corporation,C=US
# Subject: CN=Symantec Class 2 Public Primary Certification Authority - G4,OU=Symantec Trust Network,O=Symantec Corporation,C=US
# Not Valid Before: Wed Oct 05 00:00:00 2011
# Not Valid After : Mon Jan 18 23:59:59 2038

CKA_CLASS CK_OBJECT_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 - G4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\021\224\046\101\13\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\104\103\145\162\164\151
\146\151\143\141\164\151\157\156\040\101\165\164\150\157\162\151
\164\171\040\055\040\107\064
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\021\224\046\101\13\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
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "Symantec Class 2 Public Primary Certification Authority - G4"
# Issuer: CN=Symantec Class 2 Public Primary Certification Authority - G4,OU=Symantec Trust
# Network,Org=Symantec Corporation,C=US
# Subject: CN=Symantec Class 2 Public Primary Certification Authority - G4,OU=Symantec Trust
# Network,Org=Symantec Corporation,C=US
# Not Valid Before: Wed Oct 05 00:00:00 2011
# Not Valid After : Mon Jan 18 23:59:59 2038
CKA_CLASS CK_OBJECT_CLASS 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 - G4"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\147\044\220\056\110\001\260\042\226\100\020\106\264\261\147\054
\251\165\375\053
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\160\325\060\361\332\224\022\132\164\337\276\355\150\336\226
END

CKA_ISSUER_MULTILINE_OCTAL
\060\201\224\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\035\060\033\006\003\125\004\012\023\024\123\171\155\141\156
\164\145\143\040\013\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\012\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\013\154\141\163\163\040\062\040\120\165\142\154
\151\143\040\120\162\151\155\141\162\170\040\134\165\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
# 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 (0xfeedac)

**Not Valid Before:** Fri Sep 20 08:25:51 2013

**Not Valid After:** Wed Sep 20 08:25:51 2028

**Fingerprint (SHA-256):**


**CKA_CLASS CK_OBJECT_CLASS 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\360\350\303\170
\337\157\357\227
```

**CKA_CERT_MD5_HASH MULTILINE_OCTAL**

```
\267\042\146\230\176\326\003\340\301\161\346\165\315\126\105\277
```

**CKA_ISSUER MULTILINE_OCTAL**

```
\060\105\061\013\060\011\006\003\125\004\006\023\002\104\105\061
\025\060\023\006\003\125\004\012\014\014\010\055\124\162\165\163
\164\040\107\155\142\110\061\037\060\035\006\003\125\004\003\014
\026\04\05\012\122\125\123\124\040\022\157\157\164\040\103\101
\040\063\040\062\060\061\063
```

END
# Certificate "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"

# Issuer: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L= Gebze - Kocaeli,C= TR

# Serial Number: 1 (0x1)

# Subject: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L= Gebze - Kocaeli,C=TR

# Not Valid Before: Mon Nov 25 08:25:55 2013

# Not Valid After: Sun Oct 25 08:25:55 2043

# Fingerprint (SHA-256):


CKA_CLASS CK_OBJECT_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_SUBJECT MULTILINE_OCTAL
\060\201\322\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\030\060\026\060\033\125\004\007\023\017\107\145\142\172\145
\040\055\040\113\157\143\141\145\154\151\061\102\060\100\006\003
\125\004\012\023\071\124\165\162\153\151\171\145\040\102\151\154
\151\155\163\145\154\040\166\145\040\124\145\153\156\157\154\157
\152\151\153\040\101\162\141\163\161\165\141\151\145\040\113\165
\162\165\155\165\040\055\040\124\125\102\111\124\101\113\061\055
\060\053\006\003\125\004\013\023\044\113\141\155\165\040\123\145
\162\164\151\146\151\153\141\163\171\157\156\040\115\145\162\153
\145\172\151\040\055\040\113\141\155\165\040\123\115\061\066\060
\064\040\003\125\004\003\023\055\124\125\102\111\124\101\113\040
\113\131\145\151\040\123\115\040\123\131\140\040\113\157\153\040
\123\145\162\164\151\146\151\153\141\163\151\040\055\040\123\165
\162\165\155\040\061
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\0201\322\061\013\060\011\006\003\125\004\006\023\002\124\122
\061\030\060\026\060\033\125\004\007\023\017\107\145\142\172\145
\040\055\040\113\157\143\141\145\154\151\061\102\060\100\006\003

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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7265
CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
# Issuer: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu
SM,O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK,L=Gebze - Kocaeli,C=TR
# Serial Number: 1 (0x1)
Subject: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1,OU=Kamu Sertifikasyon Merkezi - Kamu SM,O=Türkiye Bilimsel ve Teknolojik Araştırma Kurumu - TUBITAK,L=Geze - 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):

Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL

CKA_CERT_MD5_HASH MULTILINE_OCTAL

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

END

END

END

END

END

END

END

Certificate "GDCA TrustAUTH R5 ROOT"

Issuer: CN=GDCA TrustAUTH R5 ROOT,O="GUANG DONG CERTIFICATE AUTHORITY CO.,LTD.".C=CN
# Serial Number: 7d:09: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):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GDCA TrustAUTH R5 ROOT"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\010\116\061\062\060\060\060\003\125\004\012\014\051\107\125\101\116\107\040
\104\117\116\107\040\103\105\122\124\111\106\111\110\103\101\124\105
\040\101\125\124\110\117\122\111\124\131\040\103\117\056\054\114
\124\104\056\061\137\060\035\006\003\125\004\003\014\026\107\104
\103\101\040\124\162\165\163\164\101\125\124\110\040\122\065\040
\122\117\117\124
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\142\061\013\060\011\006\003\125\004\006\023\002\010\116\061\062\060\060\060\003\125\004\012\014\051\107\125\101\116\107\040
\104\117\116\107\040\103\105\122\124\111\106\111\110\103\101\124\105
\040\101\125\124\110\117\122\111\124\131\040\103\117\056\054\114
\124\104\056\061\137\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\122\376\360\107\352\112
END

CKA_VALUE MULTILINE_OCTAL
\060\202\005\210\060\202\003\160\240\003\002\001\002\002\010\175
\011\122\376\360\107\352\172\060\150\006\011\105\206\110\206\367
\015\001\001\013\005\000\060\142\061\130\060\111\006\003\125\004
\006\023\002\103\116\061\106\206\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\110\125\124\110\117\122\111\124\131
\040\103\117\056\054\114\124\104\056\061\137\060\035\006\003\125
\004\003\104\026\107\040\103\101\124\162\165\163\164\101\125\124\110\040
\122\065\040\121\117\117\124\060\036\027\105\061\064
\061\061\062\066\060\065\061\063\061\065\132\027\015\064\060\061
\062\063\061\061\065\065\071\065\071\132\060\142\061\130\060\011
\107\166\322\147\044\135\275\174\063\052\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\252\413\354\127\250\076\63\347
\201\12\030\127\071\205\164\032\102\307\351\133\023\137\217\371
\010\351\222\164\215\365\107\322\253\073\326\373\170\146\116\066
\175\371\135\222\351\100\036\367\375\111\143\374\155\373\024\161\122
\147\057\107\112\267\271\377\036\052\163\160\106\060\277\132\362
\057\171\245\341\125\014\331\371\262\143\067\214\067\145\205\160
\152\134\133\011\162\271\255\143\074\261\133\357\037\062\277\067
\206\344\273\216\230\047\176\272\037\026\341\160\021\362\003\337
\045\142\062\047\046\030\066\204\237\377\000\072\023\272\232\115
\364\117\270\024\160\042\261\132\053\220\316\051\301\160\364\057
\235\177\362\220\036\363\132\337\267\106\374\146\020\63\131\334
\040\166\172\272\246\313\365\174\336\142\245\256\121\356\136\202
\146\212\116\072\060\037\077\200\031\325\504\272\014\143\362\327\320
\261\126\312\167\161\262\265\165\524\120\251\100\103\027\302\050
\331\137\122\213\333\131\043\324\102\076\240\063\172\106\056\367
\012\040\106\124\176\152\117\061\363\120\176\102\164\070\145\163
\047\356\130\016\174\270\021\163\327\245\072\327\230\241\234\124\020\125
\323\333\113\354\100\220\362\315\156\127\322\142\016\174\127\223
\261\127\155\155\123\023\032\347\345\266\073\161\130\325\337
\321\105\274\132\221\356\123\205\157\323\105\01\116\516\272\222
\135\036\004\137\067\337\036\250\146\216\124\346\400\152\235\374
\110\116\164\230\102\257\051\015\056\152\307\373\175\322\116\061
\042\314\206\000\176\146\203\014\102\364\275\064\222\303\032\352
\117\312\176\162\115\013\160\214\246\110\273\246\241\024\366\373
\130\104\231\124\256\252\021\122\323\151\240\051\045\112\245\313\053
\335\212\146\060\002\261\170\025\127\161\033\334\365\107\204\363\236
\061\067\172\325\177\044\255\344\274\375\375\314\156\203\350\014
\250\026\710\151\54\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):
CKA_CLASS CK_OBJECT_CLASS CKO_NSS TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
# 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
CKA_CLASS CK_OBJECT_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_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\0175\011\227\376\360\107\352\172
END

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7272
CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

CKA_VALUE MULTILINE_OCTAL

END

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7273
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7274
# 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):

CKA_CLASS CK_OBJECT_CLASS 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\132\250\072
\105\133\303\012

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\156\205\361\133\032\000\323\042\325\262\262\254\153\067\005\105

CKA_ISSUER MULTILINE_OCTAL
\060\020\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\006\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\044\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\013\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\037\069\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

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\011\000\332\233\354\161\136\003\260\031

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_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 "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
CKA_CLASS CK_OBJECT_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"

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\021\244\061\013\060\001\11\060\003\125\000\006\023\002\120\010\061\017\060\015\050\006\033\125\004\010\014\006\120\014\116\141\155\141\014\061\024\060\022\060\003\125\004\007\014\013\120\141\156\141\151\141\061\017\060\015\050\006\033\125\004\010\014\006\120\014\116\141\155\155\141\040\013\151\164\171\061\044\060\042\006\003\125\004\012\014\033\124\162\165\163\164\103\157\162\164\150\061\037\060\035\006\003\125\004\003\014\026\124\162\165\163\164\103\157\162\164\100\010\155\062 END
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7277
# 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:d6: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


**CKA_NSS_MOZILLA_CA_POLICY** CK_BBOOL CK_TRUE

**CKA_NSS_SERVER_DISTRUST_AFTER** CK_BBOOL CK_FALSE

**CKA_NSS_EMAIL_DISTRUST_AFTER** CK_BBOOL CK_FALSE

---

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7279
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):
# Fingerprint (SHA1): 58:D1:DF:95:67:6B:63:C0:F0:5B:1C:17:4D:8B:84:0B:C8:78:BD
CKA_CLASS CK_OBJECT_CLASS CKC_X_509
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_SUBJECT MULTILINE_OCTAL
\060\201\234\061\013\060\001\11\006\003\125\004\006\023\002\120\010
\061\017\060\001\15\006\003\125\004\010\014\006\120\014\156\141\155
\141\061\024\060\022\006\003\125\004\007\014\013\120\014\156\141
\155\141\040\010\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\013\145\162\164\151\146\151\143\141\164\145\040\101\165\164
\150\157\162\151\164\171\061\027\060\025\006\003\125\004\003\014
\016\124\162\165\163\164\103\157\162\040\105\103\101\055\061
END
CKA_ID UTF8 "0"
CKA_ISSUER_MULTILINE_OCTAL
\060\020\123\040\061\103\060\001\11\006\003\125\004\006\023\002\120\010
\061\017\060\001\15\006\003\125\004\010\014\006\120\014\156\141\155
\141\061\024\060\022\006\003\125\004\007\014\013\120\014\156\141
\155\141\040\010\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\013\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

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7280
END
CKA_NSS_MOZILLA_CA_POLICY 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=Pana
# 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=
# Not Valid Before: Thu Feb 04 12:32:33 2016
# Not Valid After : Mon Dec 31 17:28:07 2029
# Fingerprint (SHA-256):
# 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
# Certificate "SSL.com Root Certification Authority RSA"

# Issuer: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Subject: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid After : Tue Feb 12 17:39:39 2041

#!/usr/bin/python3

# Built with pyOpenSSL 0.15.0 on 2015-11-27

# openSSL pyOpenSSL

from OpenSSL import crypto
from OpenSSL.Crypto import X509
from OpenSSL.Crypto import RSA
from OpenSSL.Crypto import PKCS7
from OpenSSL.Crypto import Padding

# Load certificate

cert = crypto.load_certificate(crypto.FILETYPE_PEM, open('ssl.com_root.cer').read())

# Get certificate information

subject = cert.get_subject()  # Get subject information
issuer = cert.get_issuer()    # Get issuer information
serial = cert.get_serial_number()  # Get serial number
hashes = cert.get_fingerprints()  # Get fingerprints

# Print certificate information

print('Subject: ' + str(subject))
print('Issuer: ' + str(issuer))
print('Serial number: ' + str(serial))
print('Fingerprints:
SHA-256: ' + str(hashes['sha256']))
print('SHA-1: ' + str(hashes['sha1']))
END

CKA_NSS_Mozilla_CA_POLICY 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
# Subject: CN=SSL.com Root Certification Authority RSA,O=SSL Corporation,L=Houston,ST=Texas,C=US
# Not Valid After: Tue Feb 12 17:39:39 2041
# Fingerprint (SHA-256):
CKA_CLASS CK_OBJECT_CLASS 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
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
END

CKA_ISSUER MULTILINE_OCTAL
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
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
060174\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\016\016\060\057\006
003\125\004\003\140\050\012\013\140\056\143\157\155\040\122\157
157\164\040\013\145\162\164\151\146\151\143\141\164\151\157\156
040\010\165\164\150\157\162\151\164\171\040\122\123\101

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
060174\061\013\060\011\006\003\125\004\006\023\002\125\123\061
016\060\014\006\003\125\004\006\023\002\125\123\061
016\060\014\006\003\125\004\006\023\002\125\123\061
END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "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):

CKA_CLASS CK_OBJECT_CLASS 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

CKA_CERT_MD5_HASH MULTILINE_OCTAL

CKA_ISSUER MULTILINE_OCTAL

CKA_SERIAL_NUMBER MULTILINE_OCTAL

CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_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
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SSL.com EV Root Certification Authority RSA R2"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\202\061\013\060\001\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\066\016\006\003\125\004\007\014\007\110\157\165\163\164
\157\156\016\030\066\026\006\003\125\004\012\014\017\123\123\114
\040\010\157\162\166\157\162\141\164\151\157\156\061\106\160\006\006\03\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\1062

END

# CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\201\202\061\013\060\001\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\066\016\006\003\125\004\007\014\007\110\157\165\163\164
\157\156\016\030\066\026\006\003\125\004\012\014\017\123\123\114
\040\010\157\162\166\157\162\141\164\151\157\156\061\106\160\006\006\03\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\2062

END

# CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\126\266\051\135\064\274\170\0366

END

# CKA_VALUE MULTILINE_OCTAL
\060\202\005\353\060\020\003\323\240\003\002\001\002\002\010\126
\266\051\135\064\274\170\0366\060\015\006\011\052\206\110\206\136
# 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:bc: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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "SSL.com EV Root Certification Authority RSA R2"

CKA_CERT_SHA1_HASH MULTILINE_OCTAL
\164\072\360\122\233\320\112\203\315\324\272\251\173
\174\056\304\232
END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\341\036\061\130\032\256\124\123\002\366\027\152\021\173\115\225
END

CKA_ISSUE MULTILINE_OCTAL
\060\201\120\206\101\013\060\011\006\003\125\004\006\023\002\125\123
\061\160\060\014\006\003\125\004\010\014\005\124\145\170\141\163
\061\160\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\013\157\162\160\157\162\141\164\151\157\156\061\067\060\065
\006\003\125\004\003\014\056\123\123\114\056\143\157\155\040\105
\126\040\122\157\157\164\040\103\145\162\164\151\146\151\143\141
\164\151\157\156\040\101\165\164\150\157\162\151\164\171\040\122
\123\101\040\122\062
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\010\126\266\051\135\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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  7294
CKA_NSS_MOZILLA_CA_POLICY 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 After: Tue Feb 12 18:15:23 2041
# Fingerprint (SHA-256):

# Fingerprint (SHA-256):

CKA_NSS_MOZILLA_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 CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS 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_ISSUER MULTILINE_OCTAL
\177\371\330\260\231\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\124\102\176\176\321\362\117\007\131\137\213\055\103\122\353\106\014\224\341\365\146\107\171\167\325\212\143\303\255\044\067\313\105\132\116\240\104\110\310\330\260\231\035\025\204\113\366\326\111\111\300\145\270\346\032\161\156\240\250\361\212\350\105\076\154\326\002\327\012\147\203\005\132\311\124\102\176\176\321\362\117\007\131\137\213\055\103\122\353\106\014\224\341\365\146\107\171\167\325\212\143\303\255\044\067\313\105\132\116\240\104\110\310\330\260\231\035\025\204\113\366\326\111\111\300\145\270\346\032\161\156\240\250\361\212\350\105\076\154\326\002\327\012

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
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  7300

# Certificate "OISTE WISeKey Global Root GC CA"
#
# Issuer: CN=OISTE WISeKey Global Root GC CA,OU=OISTE Foundation Endorsed,O=WISeKey,C=CH
# 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):

CKA_CLASS CK_OBJECT_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

END

END
END

# 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:0c:ab:40:45:bf:2b: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):

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7301
CKA_CLASS CK_OBJECT_CLASS 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\123\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\132\221\135\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\23\007\127\111\123\145\131\145
\171\061\042\060\040\006\003\125\004\013\23\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\105\060\046\006\003\125\004\003\023\037
\117\111\123\124\105\040\127\111\123\145\113\145\171\040\107\154
\157\142\141\154\040\122\157\157\164\040\107\103\040\103\101
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\041\052\126\014\256\332\014\253\100\105\277\053\242\055
\072\352
END

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

#
# Certificate "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):
CKA_CLASS CK_OBJECT_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_NSS_MOZILLA_CA_POLICY 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):

CKA_CLASS CK_OBJECT_CLASS 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
CKA_CERT_MD5_HASH MULTILINE_OCTAL
CKA_ISSUER MULTILINE_OCTAL
CKA_SERIAL_NUMBER MULTILINE_OCTAL

END

END
# Certificate "GTS Root R2"

# Issuer: CN=GTS Root R2,O=Google Trust Services LLC,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "GTS Root R2"
CKA_CERTIFICATE_TYPE CK_Certificate_Type CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\017\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\15\17\17\15\14\15
\040\014\162\165\163\164\040\123\145\162\161\15\14\14\14\15\16\13\040\114\114\03\06\012\04\060\022\006\003\125\004\003\023\013\107\12
\123\040\122\15\17\16\040\122\012
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\017\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\15\17\17\15\14\15
\040\014\162\165\163\164\040\123\145\162\161\15\14\14\14\15\16\13\040\114\114
\123\040\122\15\17\16\040\122\012
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\156\017\251\036\013\263\347\040\305\060\232\077\150\122 \362\157
END
CKA_VALUE MULTILINE_OCTAL
\060\020\005\132\060\022\003\102\240\003\002\001\002\002\020\156
\107\251\036\013\263\347\040\305\060\232\077\150\122\362\157\060
\015\006\011\052\026\110\026\367\150\001\001\014\005\000\060\017
\061\013\060\011\006\003\125\004\006\023\002\125\123\012\040\060
\040\006\003\125\004\012\023\031\107\15\17\17\15\14\15\040\124
\162\165\163\164\040\123\145\162\161\15\14\14\14\15\16\040\114\114
\360\246\167\376\236\156\013\201\255\341\300\251\307\371\065\035
\100\202\253\346\004\264\337\313\367\035\170\203\360\176\023\115
\215\214\356\343\064\042\303\071\374\100\003\377\156\011\113\021\123
\276\026\210\361\322\070\136\304\150\231\014\230\122\223\214\347
\150\355\033\152\163\172\005\100\115\177\145\073\326\130\361\131
\203\017\140\343\377\227\251\234\140\167\030\125\265\176\010\223
\311\320\366\074\147\003\025\141\011\371\201\171\365\354\123\244
\237\311\217\001\213\163\304\167\166\334\203\242\365\014\111\032
\250\166\336\222\233\144\370\263\054\305\047\323\007\300\010\200
\244\230\222\343\001\126\002\252\002\356\217\073\305\321\155\012
\063\360\163\170\271\117\124\026\277\013\007\241\244\134\346\313
\311\113\204\127\017\173\340\025\167\054\176\046\176\332\304\113\333
\247\026\167\007\260\315\165\350\162\102\326\225\204\123\5\206\023
\362\344\220\315\011\107\324\213\030\360\033\012\326\306\003\012\364
\355\067\242\360\033\120\124\113\016\330\204\336\031\050\231\1201
\107\256\011\033\077\110\321\303\157\342\260\140\027\365\356\043
\002\245\332\000\133\155\220\253\356\242\235\033\073\351\103\071\104
\047\105\216\153\237\365\244\024\274\167\371\115\327\254\076\112
\105\242\021\246\314\205\356\012\125\036\207\612\000\70\172\044\142
\036\027\040\067\155\152\115\267\011\233\311\374\244\130\365\266
\373\324\116\030\207\225\002\347\241\255\233\007\356\066\135\044
\322\071\206\301\123\203\120\322\201\016\250\137\142\127\054\273
\154\144\210\010\156\357\023\214\371\335\055\034\147\143\323\317
\211\067\277\235\040\364\373\172\203\233\240\306\020\000\120\302
\344\014\042\131\122\202\355\103\126\207\000\370\204\122\224\703\035
\213\223\214\242\115\106\177\047\306\161\233\044\336\344\332\206
\173\015\176\153\040\301\130\236\341\145\330\152\243\246\350\020
\213\072\000\010\034\272\365\217\125\232\030\165\176\345\354\201
\146\321\041\163\241\065\104\013\200\075\133\243\161\57\052\027
\226\321\203\043\210\146\155\346\206\342\160\062\057\122\042\347
\310\347\177\304\054\140\135\057\303\257\236\105\005\303\204\002
\267\375\054\010\122\17\202\335\243\360\234\206\011\002
END
CKA\_NSS\_MOZILLA\_CA\_POLICY 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
# 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 22:00:00 2036
# Fingerprint (SHA-256):
CKA\_CLASS CK\_OBJECT\_CLASS 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
\322\163\226\052\052\136\071\237\163\077\341\307\036\144\077\003
\070\064\374\115
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
\104\355\232\016\244\011\073\000\362\256\114\243\306\144\077\003
\070\064\374\115
END
CKA_ISSUER MULTILINE_OCTAL
\060\107\013\060\011\006\003\125\004\006\023\002\125\123\061
\042\060\040\006\003\125\004\012\023\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\114\103\061\024\060\022\006\003\125\004\003\023\013\107\124
\123\040\122\157\157\164\040\122\062
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\020\156\107\251\306\132\347\040\305\232\077\150\122
\362\157
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 "GTS Root R3"
#
# Issuer: CN=GTS Root R3,O=Google Trust Services LLC,C=US
# 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):
CKA_CLASS CK_OBJECT_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"

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# Trust for "GTS Root R3"
# Issuer: CN=GTS Root R3,O=Google Trust Services LLC,C=US
# 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):

# Certificate "GTS Root R4"
# Issuer: CN=GTS Root R4,O=Google Trust Services LLC,C=US
# Subject: CN=GTS Root R4,O=Google Trust Services LLC,C=US
# 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 "GTS Root R4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
060107060101030600011006000312500040006023002125123061
04206004000600031250004012023003110711571157114711541145
0401241612165163164040123114516216611511431145163040
114114103061024060002200600312500040003023011071124
12304012211571157164040122064
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
060107060101030600011006000312500040006023002125123061
04206004000600031250004012023003110711571157114711541145
0401241612165163164040123114516216611511431145163040
114114103061024060002200600312500040003023011071124
12304012211571157164040122064
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
0020201561072511301213224266350273073052330242262
3011231
END
CKA_VALUE MULTILINE_OCTAL
060107060101030600011006000312500040006023002125123061
04206004000600031250004012023003110711571157114711541145
0401241612165163164040123114516216611511431145163040
114114103061024060002200600312500040003023011071124
12304012211571157164040122064
END
CKA_ISSUER_MULTILINE_OCTAL
060107060101030600011006000312500040006023002125123061
04206004000600031250004012023003110711571157114711541145
0401241612165163164040123114516216611511431145163040
114114103061024060002200600312500040003023011071124
12304012211571157164040122064
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
0020201561072511301213224266350273073052330242262
3011231
END
CKA_VALUE MULTILINE_OCTAL
060107060101030600011006000312500040006023002125123061
04206004000600031250004012023003110711571157114711541145
0401241612165163164040123114516216611511431145163040
114114103061024060002200600312500040003023011071124
12304012211571157164040122064
END

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\1325\141\130\065\256\100\335\163\367\211\221\060\132\353\074\356
\205\174\242\100\166\073\232\251\306\270\107\330\035\247\222\221\152
\163\351\261\162\071\123\70\251\237\242\230\323\137\136\130\260\145
\017\241\120\045\006\321\334\213\311\070\163\310\214\152\057\345
\304\253\321\035\212\243\102\060\100\006\001\16\006\003\125\035\017
\001\001\377\004\003\000\02\001\006\060\017\006\003\125\035\023
\001\001\137\004\005\060\003\001\001\077\060\035\006\003\125\035
\016\004\026\004\024\200\114\326\353\164\377\111\110\066\243\325\330
\372\62\076\305\152\360\224\035\214\060\012\006\010\052\206\110
\316\075\004\003\000\03\147\000\060\144\002\060\152\120\122\164
\010\304\160\034\236\120\164\041\135\021\157\204\031\117\226\156
\025\321\042\065\141\140\115\055\372\010\067\356\031\155\255\333\262\314
\17\50\07\06\43\65\140\031\105\246\064\333\117\154\000\02\060\003\161
\261\127\243\140\013\206\355\232\010\152\225\150\237\342\263\334
\223\144\174\136\223\246\337\171\055\215\205\343\224\137\043\135
\161\134\362\260\115\326\376\231\131\222\251\165\242\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 "GTS Root R4"
# Issuer: CN=GTS Root R4,O=Google Trust Services LLC,C=US
# 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):

END

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
\052\035\140\047\331\112\261\101\212\034\115\221\134\315\063\240\313
\076\055\124\313

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL
\135\266\152\304\140\027\044\152\032\231\125\011\13\356\136\264\046

END

CKA_ISSUER_MULTILINE_OCTAL
\060\017\061\013\060\011\100\060\003\125\004\006\023\002\125\123\061
\042\060\040\060\003\125\004\012\233\031\107\157\157\147\154\145
\040\124\162\165\163\164\040\123\145\162\166\151\143\145\163\040
\114\14\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\020\135\337\261\332\132\243\355\135\276\132\145\040\145\003
\220\357
END

CKA_VALUE MULTILINE_OCTAL
\060\202\005\106\060\202\003\056\240\003\002\001\002\002\020\135
\337\261\332\132\243\355\135\276\132\145\040\145\003
\220\357
END

# Certificate "UCA Global G2 Root"
#
# Issuer: CN=UCA Global G2 Root,O=UniTrust,C=CN
# 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):

CKA_CLASS CK_OBJECT_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\000\006\023\000\103\116\061
\021\060\017\006\003\125\000\012\014\010\125\156\151\124\162\165
\163\164\060\013\006\003\125\000\000\003\014\022\125\103\101
\040\107\154\157\142\141\154\040\107\062\040\122\157\157\164
END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\075\061\013\060\011\006\003\125\000\006\023\002\103\116\061
\021\060\017\006\003\125\000\012\014\010\125\156\151\124\162\165
\163\164\060\013\006\003\125\000\000\003\014\022\125\103\101
\040\107\154\157\142\141\154\040\107\062\040\122\157\157\164
END

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

CKA_VALUE MULTILINE_OCTAL
\060\020\005\106\060\202\003\056\240\003\002\001\002\002\020\135
\337\261\332\132\243\355\135\276\132\145\040\145\003\220\357\060
\015\006\011\052\206\110\206\367\015\001\001\013\005\000\060\075
CKA_NSS_MOZILLA_CA_POLICY 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
# 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):
# Certificate "UCA Extended Validation Root"

# Issuer: CN=UCA Extended Validation Root,O=UniTrust,C=CN
# 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):
# Trust for "UCA Extended Validation Root"

Issuer: CN=UCA Extended Validation Root,O=UniTrust,C=CN


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):


---

CKA_NSS_MOZILLA_CA_POLICY 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


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):


---

CKA_NSS_MOZILLA_CA_POLICY 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


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):


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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE
# Certificate "Certigna Root CA"

# Issuer: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Certigna Root CA"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\132\061\132\060\011\100\066\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\134\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
\060\060\013\060\027\006\003\125\004\003\014\020\103\145\162\164
\151\147\156\141\140\122\157\157\164\040\103\101
END

CKA_ID UTF8 "0"

CKA_ISSUER_MULTILINE_OCTAL
\060\132\061\132\060\011\100\066\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\134\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
\060\060\013\060\027\006\003\125\004\003\014\020\103\145\162\164
\151\147\156\141\140\122\157\157\164\040\103\101
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\021\000\312\351\033\211\361\125\003\015\243\346\101\155\304\343\246\341
END

CKA_VALUE MULTILINE_OCTAL
\060\020\006\133\060\122\020\004\103\240\003\002\001\002\002\021\000
\312\351\033\211\361\125\003\015\243\346\101\155\304\343\246\341
\060\015\006\011\105\226\110\206\367\015\001\001\013\005\000\060
\13\246\010\130\069\011\060\003\125\004\006\023\002\106\122\061\102
\060\020\006\003\125\004\012\104\111\104\150\151\155\171\157\164
\151\163\060\134\060\032\006\003\125\004\013\014\023\060\060\060
\106\206\040\064\070\061\064\066\063\060\070\061\060\060\060\063
\061\031\060\027\006\003\125\004\003\014\020\103\145\162\164
\151\147\156\141\140\122\157\157\164\040\103\101
END

Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7321
Open Source Used In Crosswork Change Automation and Health Insight 4.3.0  7323

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE

CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
# Trust for "Certigna Root CA"
# Issuer: CN=Certigna Root CA,OU=0002 48146308100036,O=Dhimyotis,C=FR
# 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):

CKA_CLASS CK_OBJECT_CLASS 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\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\134\060\003\125\004\013\014\023\060\060
\060\062\040\064\070\061\064\060\063\060\070\061\060\060\060\063
\066\061\031\060\027\006\003\125\004\003\140\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_MUST_VERIFY_TRUST
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
# 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):

# Fingerprint (SHA1):

CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "emSign Root CA - G1"

CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509

CKA_SUBJECT MULTILINE_OCTAL
\060\147\061\013\060\011\006\003\125\004\006\023\002\111\116\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\106\104\060\043\006\003\125\004\012\023\034\145\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\034\060\032\006
\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157
\164\040\103\101\040\055\040\107\061

END

CKA_ID UTF8 "0"

CKA_ISSUER MULTILINE_OCTAL
\060\147\061\013\060\011\006\003\125\004\006\023\002\111\116\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\120\113\111\106\104\060\043\006\003\125\004\012\023\034\145\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\034\060\032\006
\003\125\004\003\023\023\145\155\123\151\147\156\040\122\157\157
\164\040\103\101\040\055\040\107\061

END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\012\061\365\344\142\014\154\130\355\326\330

END

CKA_VALUE MULTILINE_OCTAL
\060\202\003\224\060\022\002\174\240\003\002\001\002\002\012\061
\365\344\142\014\154\130\355\326\330\006\015\006\011\052\206\110
\206\367\015\001\001\013\005\000\060\147\061\013\060\011\006\003
\125\004\006\023\002\111\116\061\023\060\021\006\003\125\004\013
\023\012\014\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
\060\003\125\004\003\023\023\145\155\123\151\147\171\156\040\122\157 \157\164\040\010\103\101\040\055\040\107\061\060\020\001\042\060\015 \006\011\052\206\111\020\063\067\015\001\001\001\005\000\003\202\001 \017\000\060\020\001\012\002\020\000\010\000\022\113\127\351\146 \121\236\235\133\332\064\222\332\030\336\033\347\236\270\144\063 \177\143\170\150\264\315\150\161\165\327\232\030\306\115\051\274 \266\150\140\212\367\041\123\216\065\113\326\160\275\330\315\232 \377\223\126\111\124\131\100\062\123\064\051\335\026\064\165\116 \362\201\264\307\226\116\025\030\110\212\123\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\107\322\243\161\116\062\026\232\043\100\052 \167\623\263\074\001\054\154\355\231\054\213\333\116\151\120\262 \1367\217\101\260\062\170\141\326\015\137\303\372\242\110\222\035 \134\027\346\160\076\065\347\242\267\302\142\342\253\244\070\114 \265\071\065\157\352\003\151\372\072\124\150\205\155\326\362\057 \103\125\036\221\101\150\163\330\325\152\244\226\321\102\074\054\170 \120\350\072\222\322\207\126\164\050\32\100\034\076\215\054\355 \071\133\103\204\030\101\164\337\243\313\022\061\140\110\150\334 \151\013\124\000\021\133\344\166\151\041\051\171\116\064\010\136\024 \203\214\261\162\267\255\327\174\016\212\037\025\000\023\000\100\000 \023\41\102\060\010\060\035\006\000\033\250\303\016\040\206\040\024\373 \357\015\206\236\260\034\333\335\251\271\361\041\027\177\076\374\360 \167\053\032\060\161\006\003\032\250\035\017\001\001\137\000\040\003 \002\001\000\060\017\006\003\032\250\302\003\001\137\000\040\050\060 \003\001\000\137\377\060\015\006\011\052\206\110\206\367\015\001\001 \013\005\000\000\032\202\001\001\000\032\137\377\062\141\365\207\175\161 \075\252\237\033\133\321\332\370\323\234\153\066\275\233\251\141 \353\333\026\054\164\075\236\346\165\332\327\272\024\274\102\027 \134\70\52\221\353\345\175\335\076\234\361\317\222\254\154\110\314 \302\042\077\151\107\305\266\025\057\243\065\306\150\052\034\127 \257\071\135\215\322\065\303\030\041\173\000\126\034\315\213\031 \164\336\276\017\022\340\320\252\241\077\002\064\261\160\316\235 \030\032\010\003\011\106\356\140\340\176\266\304\110\041\211\175 \160\140\272\252\262\377\171\162\172\246\035\075\137\052\370\032 \134\237\071\126\170\271\353\176\337\004\043\257\372\234\006\007 \351\137\143\223\200\000\265\306\154\012\061\050\316\014\237\317 \263\043\065\200\010\125\154\304\067\173\201\057\200\241\100\010 \205\351\331\070\215\350\241\123\331\001\127\151\350\132\006\362 \105\013\220\037\252\263\341\277\235\362\256\127\074\245\256\262\126 \364\213\145\100\351\075\061\201\054\364\071\011\330\356\015\324 \264\246\035\025\245\230\367\001\201\330\205\175\363\121\134\161 \210\336\272\314\037\020\176\112

END

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

# Trust for "emSign Root CA - G1"
# Issuer: CN=emSign Root CA - G1,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# 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):

# Certificate "emSign ECC Root CA - G1"

# Issuer: CN=emSign ECC Root CA - G3,O=eMudhra Technologies Limited,OU=emSign PKI,C=IN
# Serial Number:3c:f6:07:a9:68:70:00: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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BBOOL CK_TRUE
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\011\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\14\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\010\101\040\055\040\107\063
END
CKA_ID UTF8 "0"
CKA_ISSUER MULTILINE_OCTAL
\060\153\061\013\060\011\006\003\125\004\006\023\002\011\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\14\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\010\101\040\055\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\012\074\366\007\251\150\160\163\332\213\204
END
CKA_VALUE MULTILINE_OCTAL
\060\202\002\116\060\202\001\323\240\003\002\001\002\002\012\074\366\007\251\150\160\163\332\213\204
\366\007\251\150\160\163\332\213\204\060\060\012\006\010\052\206\110\131\160\75\004\003\003\060\153\061\013\060\011\006\003\125\004\006\023\002\011\111\116\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156
\040\012\023\034\145\115\165\144\150\162\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\14\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\010\101\040\055\040\107\063
END
# 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):

CKA_CLASS CK_OBJECT_CLASS 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

END

CKA_CERT_MD5_HASH MULTILINE_OCTAL

END

CKA_ISSUER MULTILINE_OCTAL

END
Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

```
\# 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
CKA_CLASS CK_OBJECT_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
\040120\113\111\061\045\060\043\006\003\125\004\012\023\034\145
\115\165\144\150\152\141\040\124\145\143\150\156\157\154\157\147
\151\145\163\040\114\151\155\151\164\145\144\061\040\060\036\006
\003\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103
\040\122\157\157\164\040\103\101\040\055\040\107\063
END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\012\074\366\007\251\150\160\016\332\213\204
END
CKA_TRUST_SERVER_AUTH CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_EMAIL_PROTECTION CK_TRUST CKT_NSS_TRUSTED_DELEGATOR
CKA_TRUST_CODE_SIGNING CK_TRUST CKT_NSS_MUST_VERIFY_TRUST
CKA_TRUST_STEP_UP_APPROVED CK_BBOOL CK_FALSE
```

Open Source Used in Crosswork Change Automation and Health Insight 4.3.0

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Open Source Used In Crosswork Change Automation and Health Insight 4.3.0 7332

# 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:bac: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):
CKA_CLASS CK_OBJECT_CLASS 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
34705636133737402620111050317135324325147067261121
313206117001
END
CKA_CERT_MD5_HASH MULTILINE_OCTAL
330343135001041137217013226033722723223560521371150
END
CKA_ISSUER MULTILINE_OCTAL
00201300025631700027230417062370103262
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_BOOL CK_FALSE

# Certificate "emSign ECC Root CA - C3"
#
# Issuer: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US
# 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):
CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE
CKA_TOKEN CK_BOOL CK_TRUE
CKA_PRIVATE CK_BOOL CK_FALSE
CKA_MODIFIABLE CK_BOOL 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\001\100\006\003\125\004\006\023\002\125\123\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006\003\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103\040\122\157\157\164\040\103\101\040\055\040\103\063 END
CKA_ID UTF8 "0"
CKA_ISSUER_MULTILINE_OCTAL
\060\132\061\013\060\001\100\006\003\125\004\006\023\002\125\123\061\023\060\021\006\003\125\004\013\023\012\145\155\123\151\147\156\040\120\113\111\061\024\060\022\006\003\125\004\012\023\013\145\115\165\144\150\162\141\040\111\156\143\061\040\060\036\006\003\125\004\003\023\027\145\155\123\151\147\156\040\105\103\103\040\122\157\157\164\040\103\101\040\055\040\103\063 END
CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\012\173\161\266\202\126\270\022\174\234\250 END
CKA_VALUE_MULTILINE_OCTAL
\060\202\020\002\053\060\020\001\261\240\003\002\001\002\002\012\173\161\266\202\126\270\022\174\234\250\002\002\012\125\123\061\023\060\021\006\003\125\004\013\023\012\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 "emSign ECC Root CA - C3"
# Issuer: CN=emSign ECC Root CA - C3,O=eMudhra Inc,OU=emSign PKI,C=US
# 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):

CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_CLASS CK_OBJECT_CLASS 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"

# 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
# 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):

CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE
CKA_NSS_SERVER_DISTRUST_AFTER CK_BBOOL CK_FALSE
CKA_NSS_EMAIL_DISTRUST_AFTER CK_BBOOL CK_FALSE

END


```
\156\147\040\113\157\156\147\061\026\060\024\006\003\125\004\012
\023\015\110\157\156\147\153\157\156\147\040\120\157\163\164\061
\040\060\036\006\003\125\004\003\023\027\110\157\156\147\153\157
\156\147\040\120\157\163\164\040\122\157\157\164\040\103\101\040
\063
END

CKA_SERIAL_NUMBER MULTILINE_OCTAL
\002\024\010\026\137\212\114\245\354\000\311\223\100\337\304\306
\256\043\270\034\132\244

END

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

#
# Certificate "Entrust Root Certification Authority - G4"
#
# Issuer: CN=Entrust Root Certification Authority - G4,OU="(c) 2015 Entrust, Inc. - for authorized use only",O=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",O=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):
CKA_CLASS CK_OBJECT_CLASS CKC_X_509
CKA_TOKEN CK_BBOOL CK_TRUE
CKA_PRIVATE CK_BBOOL CK_FALSE
CKA_MODIFIABLE CK_BBOOL CK_FALSE
CKA_LABEL UTF8 "Entrust Root Certification Authority - G4"
CKA_CERTIFICATE_TYPE CK_CERTIFICATE_TYPE CKC_X_509
CKA_SUBJECT MULTILINE_OCTAL
\060\201\276\061\013\060\011\006\003\125\004\006\023\002\125\123
\061\026\060\024\006\003\125\004\012\023\015\010\156\164\162\165
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\151\172\145\144\040\165\163\145\040\157\156\154\171\061\062\060
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\157\156\040\101\165\164\150\157\162\151\164\171\040\055\040\107
\064
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CKA_NSS_MOZILLA_CA_POLICY CK_BBOOL CK_TRUE

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# 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
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CKA_LABEL UTF8 "Entrust Root Certification Authority - G4"
CKA_CERT_SHA1_HASH MULTILINE_OCTAL
CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST
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1.597 python-requests 2.22.0 2ubuntu1

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1.599 msgpack-python 1.0.2

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1.600 pyparsing 2.4.6

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1.601 python 3.8.10-0ubuntu1~20.04.4

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.
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<th>Owner</th>
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Dynamic NDArray Developers list:

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1.614 sqlx 1.3.4
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man/expand_number.3bsd
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src/expand_number.c
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src/arc4random_uniform.c
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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3.0    2.6    2008  PSF  yes
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3.1.2  3.1    2010  PSF  yes
3.2    3.1    2010  PSF  yes

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c-a-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
they can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webservice for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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History

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1.619 contextlib2 21.6.0

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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### 1.623 mattetti-filebuffer 1.0.1

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1.627 jackc-pgtype 1.10.0

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1.628 mawk 1.3.4.20200120 2

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This script is compatible with the BSD install script, but was written
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// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license_device.proto

package cwztpsvc // import "github3.cisco.com/ROBOT/robot-api/golang/cwztpsvc"

import proto "github.com/golang/protobuf/proto"
import fmt "fmt"
import math "math"
import _ "google.golang.org/genproto/googleapis/api/annotations"

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion2 // please upgrade the proto package

type ZtpLicenseDevice struct {
    DeviceSerialNumber string `protobuf:"bytes,1,opt,name=deviceSerialNumber,proto3" json:"deviceSerialNumber,omitempty"
    XXX_NoUnkeyedLiteral struct{} `json:"-"
    XXX_unrecognized [byte `json:"-"
    XXX_sizecache int32 `json:"-"
}

func (m *ZtpLicenseDevice) Reset() { *m = ZtpLicenseDevice{} }
func (m *ZtpLicenseDevice) String() string { return proto.CompactTextString(m) }
func (*ZtpLicenseDevice) ProtoMessage() {}
func (*ZtpLicenseDevice) Descriptor() ([]byte, []int) {
    return fileDescriptor_cw_ztp_license_device_e27237926d594488, []int{0}
}
func (m *ZtpLicenseDevice) XXX.Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicenseDevice.Unmarshal(m, b)
}
func (m *ZtpLicenseDevice) XXX.Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicenseDevice.Marshal(b, m, deterministic)
}
func (dst *ZtpLicenseDevice) XXX.Merge(src proto.Message) {
    xxx_messageInfo_ZtpLicenseDevice.Merge(dst, src)
}
func (m *ZtpLicenseDevice) XXX_Size() int {
return xxx_messageInfo_ZtpLicenseDevice.Size(m)
}

func (m *ZtpLicenseDevice) XXX_DiscardUnknown() {
xxx_messageInfo_ZtpLicenseDevice.DiscardUnknown(m)
}

var xxx_messageInfo_ZtpLicenseDevice proto.InternalMessageInfo

func (m *ZtpLicenseDevice) GetDeviceSerialNumber() string {
if m != nil {
return m.DeviceSerialNumber
}
return ""
}

func init() {
proto.RegisterType((*ZtpLicenseDevice)(nil), "cwztpsvc.ZtpLicenseDevice")
}

func init() {
proto.RegisterFile("cw_ztp_license_device.proto", fileDescriptor_cw_ztp_license_device_e27237926d594488)
}

var fileDescriptor_cw_ztp_license_device_e27237926d594488 = []byte{
// 201 bytes of a gzipped FileDescriptorProto
0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x6c, 0xce, 0x31, 0x4b, 0xc7, 0x30,
0x10, 0x05, 0x70, 0xba, 0x88, 0x66, 0x92, 0xe2, 0x8a, 0xa8, 0xa8, 0x88, 0x93, 0xa8, 0xa9, 0xf2, 0xff,
0x06, 0xda, 0x51, 0xfc, 0x97, 0x2a, 0x08, 0x5a, 0xa4, 0xa7, 0x72, 0x36, 0x18, 0x48, 0x73, 0x21, 0xb9,
0x8b, 0xa0, 0x4f, 0x2f, 0x6d, 0x2c, 0x22, 0x0c, 0xf7, 0x0c, 0xf7, 0x1e, 0xb8, 0x86, 0xb9, 0x5f,
0x28, 0x6f, 0xe0, 0xa0, 0x09, 0x9d, 0x14, 0x5f, 0x66, 0x72, 0x60, 0x78, 0xc4, 0x48, 0x58, 0x9f,
0xc2, 0x7f, 0xc5, 0x9c, 0x0d, 0x5a, 0xa0, 0x0d, 0x8a, 0x8a, 0x9d, 0x2f, 0x9a, 0x7b, 0x82,
0x8b, 0x8b, 0x9f, 0x9f, 0x8b, 0x0c, 0x0c, 0x16, 0x90, 0xe0, 0xe0, 0x32, 0x20, 0x4f, 0x9a, 0x91,
0xa0, 0x8c, 0x17, 0x0d, 0x2f, 0x2e, 0xf9, 0x7f, 0x6f, 0x4b, 0xb3, 0x26, 0x9a, 0xa9, 0x7b, 0xb2,
0x8e, 0xe0, 0x47, 0x7d, 0xe0, 0x7d, 0xe0, 0x07, 0x1c, 0x44, 0x7b, 0x94, 0x4c, 0x7f, 0xf0, 0xb1, 0x41, 0x8f,
0xe0, 0x6a, 0x8b, 0x5e, 0x05, 0x2b, 0x76, 0x4d, 0x9f, 0x6c, 0xfa, 0xe7, 0x27, 0x00, 0x00, 0x9f,
0xff, 0xe7, 0x2a, 0x96, 0xc2, 0x01, 0x01, 0x00, 0x00,
}

// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license.proto

package cwztpsvc // import "github3.cisco.com/ROBOT/robot-api/golang/cwztpsvc"

import proto "github.com/golang/protobuf/proto"
import fmt "fmt"
import math "math"
import _ "google.golang.org/genproto/googleapis/api/annotations"

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion2 // please upgrade the proto package

type ZtpLicense struct {
    Id          int32     `protobuf:"varint,1,opt,name=id,proto3" json:"id,omitempty"
    Status      string    `protobuf:"bytes,2,opt,name=status,proto3" json:"status,omitempty"
    LastUpdated int64     `protobuf:"varint,3,opt,name=lastUpdated,proto3" json:"lastUpdated,omitempty"
    XXX_NoUnkeyedLiteral struct{} `json:"-"
    XXX_unrecognized      []byte   `json:"-"
    XXX_sizecache         int32    `json:"-"
}

func (m *ZtpLicense) Reset() { *m = ZtpLicense{} }
func (m *ZtpLicense) String() string { return proto.CompactTextString(m) }
func (*ZtpLicense) ProtoMessage() {}
func (*ZtpLicense) Descriptor() ([]byte, []int) {
    return fileDescriptor_cw_ztp_license_f6745968de738545, []int{0}
}
func (m *ZtpLicense) XXX_Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicense.Unmarshal(m, b)
}
func (m *ZtpLicense) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicense.Marshal(b, m, deterministic)
}
func (dst *ZtpLicense) XXX_Merge(src proto.Message) {
    xxx_messageInfo_ZtpLicense.Merge(dst, src)
}
func (m *ZtpLicense) XXX_Size() int {
    return xxx_messageInfo_ZtpLicense.Size(m)
}
func (m *ZtpLicense) XXX_DiscardUnknown() {
    xxx_messageInfo_ZtpLicense.DiscardUnknown(m)
}

var xxx_messageInfo_ZtpLicense proto.InternalMessageInfo

func (m *ZtpLicense) GetId() int32 {
    if m != nil {
        return m.Id
    }
    return 0
}
func (m *ZtpLicense) GetStatus() string {
    if m != nil {
        return m.Status
    }
    return ""
}

func (m *ZtpLicense) GetLastUpdated() int64 {
    if m != nil {
        return m.LastUpdated
    }
    return 0
}

func init() {
    proto.RegisterType((*ZtpLicense)(nil), "cwztpsvc.ZtpLicense")
}

func init() {
    proto.RegisterFile("cw_ztp_license.proto", fileDescriptor_cw_ztp_license_f6745968de738545)
}

var fileDescriptor_cw_ztp_license_f6745968de738545 = []byte{
    0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x4c, 0x8f, 0x4d, 0x4b, 0x03, 0x31,
    0x10, 0x86, 0xc9, 0x16, 0x8b, 0x46, 0x10, 0xc5, 0x44, 0x16, 0x11, 0x09, 0x9e, 0xf6, 0x62, 0x82,
    0xf4, 0x1f, 0xac, 0x57, 0xa1, 0x25, 0xf8, 0x01, 0xbd, 0x94, 0xec, 0x24, 0xa4, 0x81, 0x34, 0x13,
    0x9a, 0xa9, 0x85, 0x7a, 0x69, 0xb7, 0x8b, 0x1e, 0xe7, 0xe3, 0x7d, 0x9e, 0x19, 0x7e, 0x07,
    0xfb, 0xd5, 0x81, 0x42, 0xa0, 0x06, 0x70, 0xa9, 0x38, 0x99, 0xb7, 0x48, 0x58, 0x5f, 0xe2, 0xfe,
    0x40, 0xb9, 0xc0, 0xc3, 0xa3, 0x47, 0xf4, 0xd1, 0x29, 0x93, 0x83, 0x32, 0x29, 0x21, 0x19,
    0xa0, 0x98, 0xca, 0xb0, 0x7f, 0xfc, 0xc5, 0xf9, 0x92, 0xf2, 0xfb, 0x90, 0xad, 0x6f, 0x78, 0x15,
    0x6c, 0xc3, 0x04, 0x6b, 0x2f, 0x74, 0x15, 0x6c, 0x7d, 0xcf, 0xa7, 0x85, 0x0c, 0xed, 0x4a, 0x53,
    0x09, 0xd6, 0x5e, 0xe9, 0x73, 0x55, 0x0b, 0x7e, 0x1d, 0x4d, 0xa1, 0xcf, 0x6c, 0x0d, 0x39, 0xdb,
    0x04, 0x04, 0x6b, 0x27, 0xfa, 0xe7, 0x0b, 0x5b, 0xf3, 0xc7, 0x0d, 0x45, 0x50, 0x00, 0xe5,
    0x16, 0x7b, 0xa4, 0x41, 0x28, 0x7c, 0xbb, 0xba, 0xdb, 0xb7, 0xef, 0x3f, 0xe3, 0xe2, 0x38, 0x5b,
    0xb0, 0xe5, 0x2f, 0xb4, 0xc0, 0x55, 0x73, 0x10, 0x70, 0xa3, 0xf4, 0xb4, 0x9b, 0x7f,
    0xa8, 0x13, 0xe2, 0xe5, 0xf8, 0xc0, 0x7d, 0x68, 0x92, 0x57, 0x23, 0xa7, 0x9f, 0x9e, 0xb8, 0xb3,
    0xdf, 0x00, 0x00, 0x00, 0xff, 0xff, 0x46, 0x47, 0xa7, 0x44, 0x08, 0x01, 0x00, 0x00,
}

// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license_device_v2.proto

package cwztpsvc // import "github3.cisco.com/ROBOT/robot-api/golang/cwztpsvc"
import proto "github.com/golang/protobuf/proto"
import fmt "fmt"
import math "math"

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion2 // please upgrade the proto package

type ZtpLicenseDeviceV2 struct {
    Uuid     string   `protobuf:"bytes,1,opt,name=uuid,proto3" json:"uuid,omitempty"
    SerialNumber []string `protobuf:"bytes,2,rep,name=serialNumber,proto3" json:"serialNumber,omitempty"
    LocationId string   `protobuf:"bytes,3,opt,name=locationId,proto3" json:"locationId,omitempty"
    XXX_NoUnkeyedLiteral struct{} `json:"-"
    XXX_unrecognized     []byte   `json:"-"
    XXX_sizecache        int32    `json:"-"
}

func (m *ZtpLicenseDeviceV2) Reset() { *m = ZtpLicenseDeviceV2{} }
func (m *ZtpLicenseDeviceV2) String() string { return proto.CompactTextString(m) }
func (*ZtpLicenseDeviceV2) ProtoMessage() {}
func (*ZtpLicenseDeviceV2) Descriptor() ([]byte, []int) {
    return fileDescriptor_cw_ztp_license_device_v2_1c5de79621eca399, []int{0}
}

func (m *ZtpLicenseDeviceV2) XXX.Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Unmarshal(m, b)
}

func (m *ZtpLicenseDeviceV2) XXX.Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Marshal(b, m, deterministic)
}

func (dst *ZtpLicenseDeviceV2) XXX_Merge(src proto.Message) {
    xxx_messageInfo_ZtpLicenseDeviceV2.Merge(dst, src)
}

func (m *ZtpLicenseDeviceV2) XXX_Size() int {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Size(m)
}

func (m *ZtpLicenseDeviceV2) XXX_DiscardUnknown() {
    xxx_messageInfo_ZtpLicenseDeviceV2.DiscardUnknown(m)
}

var xxx_messageInfo_ZtpLicenseDeviceV2 proto.InternalMessageInfo
func (m *ZtpLicenseDeviceV2) GetUuid() string {
    if m != nil {
        return m.Uuid
    }
    return ""
}

func (m *ZtpLicenseDeviceV2) GetSerialNumber() []string {
    if m != nil {
        return m.SerialNumber
    }
    return nil
}

func (m *ZtpLicenseDeviceV2) GetLocationId() string {
    if m != nil {
        return m.LocationId
    }
    return ""
}

func init() {
    proto.RegisterType((*ZtpLicenseDeviceV2)(nil), "cwztpsvc.ZtpLicenseDeviceV2")
}

func init() {
    proto.RegisterFile("cw_ztp_license_device_v2.proto",
        fileDescriptor_cw_ztp_license_device_v2_1c5de79621eca399)
}

var fileDescriptor_cw_ztp_license_device_v2_1c5de79621eca399 = []byte{
    // 219 bytes of a gzipped FileDescriptorProto
    0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x64, 0x8e, 0x4f, 0x4b, 0xc3, 0x40,
    0x10, 0x47, 0x89, 0x15, 0xb1, 0x8b, 0xa7, 0x3d, 0xc5, 0x4b, 0x28, 0x3d, 0xf5, 0x62, 0x16, 0xdb,
    0x6f, 0x10, 0xbd, 0x08, 0x62, 0x4b, 0x10, 0x85, 0x5e, 0x96, 0xd0, 0xc9, 0x12, 0x07, 0x36, 0x99,
    0x65, 0xff, 0xa4, 0xd0, 0x4f, 0x2f, 0x6e, 0x2d, 0x28, 0xbd, 0x0d, 0xf3, 0x3c, 0x1e, 0xa8,
    0xe0, 0x20, 0x8f, 0xdb, 0x98, 0x60, 0xc6, 0x64, 0x67, 0x26, 0x04, 0x23, 0xa7, 0x75,
    0xed, 0x3c, 0x45, 0xe2, 0xb7, 0x70, 0x38, 0x46, 0x17, 0x26, 0x58, 0x5a, 0xc6, 0xf7, 0xda, 0xbd,
    0x9e, 0xe8, 0x7c, 0x7d, 0xac, 0x39, 0x67, 0xda, 0x29, 0x61, 0x57, 0x16, 0x8b, 0x2d, 0x35,
    0x6f, 0xf3, 0xda, 0x97, 0xe8, 0xda, 0x18, 0x8f, 0x5a, 0x41, 0x1b, 0x5f, 0x5e, 0xe2,
    0x66, 0x18, 0x79, 0x9f, 0x6f, 0xe3, 0x15, 0x63, 0x96, 0x40, 0x45, 0xa4, 0xf1, 0xa5, 0x2b, 0x67,
    0xf9, 0xfb, 0xcf, 0xda, 0x38, 0x56, 0x01, 0x0d, 0x35, 0x60, 0x00, 0xaa, 0x3d, 0x69, 0x8a, 0xa7,
    0xa0, 0xfa, 0xc2, 0xda, 0x3f, 0x7d, 0xe6, 0x8c, 0xe8, 0x98, 0x5d, 0xb1, 0x7f, 0x5c,
    0x31, 0x7e, 0x25, 0xb9, 0xf9, 0x15, 0x00, 0x0d, 0x2d, 0xd6, 0x9f, 0x77, 0x91, 0x55, 0x0f,
    0x5a, 0x3a, 0x1e, 0xa8, 0x9f, 0x9b, 0x12, 0x01, 0x00, 0x00,
}
1.630 facebookgo-stats 0.0.0-20180706035515-f23751cae28b
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1.631 x-sys 0.0.0-20210823070655-63515b42dcdf
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1.632 vim 8.1.2269-1ubuntu5.7

1.633 packaging 21.0
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1.634 prometheus 1.8.2-0.20201014093524-73e2ce1bd643

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Go support for Protocol Buffers - Google's data interchange format

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metrics from the pseudo-filesystem proc.

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mgo - MongoDB driver for Go

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1.645 busybox 1.34.1-r4

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1.647 progress 1.6

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1.649 urllib3 1.25.8

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
  * Bugfixes, improvements and Test coverage
* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

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  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravelosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support
* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
* Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
* Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
* Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
* Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
* Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
* Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
* Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
* IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
* App Engine environment tests.
* Documentation re-write.

* John Krauss <https://github.com/talos>
* Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
* Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
* Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
* IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
* Fix low-level exceptions leaking from `HTTPResponse.stream()`.
* Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
* Creation of `HTTPConnectionPool.ResponseCls`

* Predrag Gruevski <https://github.com/obi1kenobi>
* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to ‘memoryview’ usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytt@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_force_list retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings
* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
  * Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.650 prometheus-common 0.32.1

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src/auth1.c
src/base64.c
src/bignum.c
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src/buffer.c
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src/connect.c
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src/ed25519.c
src/error.c
src/gcrypt_missing.c
src/init.c
src/kex.c
src/kex1.c
src/legacy.c
src/libcrypto.c
src/libgcrypt.c
src/log.c
src/messages.c
src/packet.c
Files: tests/pkd/pkd_client.h
         tests/pkd/pkd_daemon.c
         tests/pkd/pkd_daemon.h
         tests/pkd/pkd_hello.c
         tests/pkd/pkd_keyutil.c
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         src/channels1.c
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         src/known_hosts.c
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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
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import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
)

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)(\.)*( All rights reserved.)*
(//|#) Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.`)
const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
    "tools.go": true, // This file requires another comment above the license.
    "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
    "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if skip[path] {
            return nil
        }

        if err != nil {
            return err
        }

        if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
            return nil
        }

        src, err := ioutil.ReadFile(path)
        if err != nil {
            return nil
        }

        // Verify that the license is matched.
        if !sentinel.Match(src) {
            t.Errorf("%v: license header not present", path)
            return nil
        }

        // Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
        if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
            t.Errorf("%v: license header not at the top", path)
            return nil
        }

        if err != nil {
            t.Fatal(err)
        }
    })
}
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# PLY (Python Lex-Yacc) Version 3.11


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Introduction
============

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.
  If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original
implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```python
class lexer:
    pass
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

```python
class parser:
    pass
```

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.
The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
=============
PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
========= 
More information about PLY can be obtained on the PLY webpage at:

http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers: Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

https://github.com/dabeaz/ply

An old and relatively inactive discussion group for PLY is found at:

http://groups.google.com/group/ply-hack

Acknowledgments
===============
A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-). The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
========================
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using
2to3—it is not necessary and may in fact break the implementation.

Example
=======

Here is a simple example showing a PLY implementation of a calculator with variables.

```python
# calc.py
# A simple calculator with variables.

tokens = ('NAME','NUMBER',
          'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
          'LPAREN','RPAREN',
)

t_PLUS    = r'[+]'  
t_MINUS   = r'-'   
t_TIMES   = r'\*'  
t_DIVIDE  = r'/r'  
t_EQUALS  = r'=r'  
t_LPAREN  = r'\(' 
t_RPAREN  = r'\)' 
t_NAME    = r'[a-zA-Z_][a-zA-Z0-9_]*'

def t_NUMBER(t):
    r'd+''
    t.value = int(t.value)
    return t

def t_newline(t):
    r'\n+''
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)

# Build the lexer
```

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import ply.lex as lex
lex.lex()

# Precedence rules for the arithmetic operators
precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
)

# dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    """expression : expression PLUS expression
    | expression MINUS expression
    | expression TIMES expression
    | expression DIVIDE expression"

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
print("Undefined name '%s' % p[1])

p[0] = 0

def p_error(p):
    print("Syntax error at '%s' % p.value")

import ply.yacc as yacc

yacc.yacc()

while True:
    try:
        s = raw_input('calc > ')   # use input() on Python 3
        except EOFError:
            break

    yacc.parse(s)

Bug Reports and Patches

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page at https://github.com/dabeaz/ply to submit issues and pull requests. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.

-- Dave

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Aaron Bieber <deftly@gmail.com>
Aaron Cannon <cannona@fireantproductions.com>
Aaron France <aaron.l.france@gmail.com>
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Aaron Stein <aaronstein12@gmail.com>
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Abdullah Al Maruf <mymail.maruf@gmail.com>
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Abhinav Gupta <abhinav.g90@gmail.com>
Adam Azarchs <adam.azarchs@10xgenomics.com>
Adam Bender <abender@google.com>
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Adam Harvey <aharvey@php.net>
Adam Kisala <adam.kisala@gmail.com>
Adam Langley <agl@golang.org>
Adam Medzinski <adam.medzinski@gmail.com>
Adam Shannon <adamkshannon@gmail.com>
Adam Shelton <aashelt90@gmail.com>
Adam Sindelar <adamsh@gmail.com>
Adam Thomason <athomason@gmail.com>
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Adam Woodbeck <adam@woodbeck.net>
Adarsh Ravichandran <adarshravichandran91@gmail.com>
Aditya Harindar <aditya.harindar@gmail.com>
Aditya Mukerjee <dev@chimeracoder.net>
Adrian Hesketh <adrianhesketh@hushmail.com>
Adrian Nos <nos.adrian@gmail.com>
Adrian O'Grady <elpollouk@gmail.com>
Adrien Bustany <adrien-xx-google@bustany.org>
Adrien Delorme <adrien.delorme@icloud.com>
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Acio Jnior <aecdiontasjunior@gmail.com>
Aeneas Rekkas (arekkas) <aeneas@ory.am>
Afanasev Stanislav <phpprogger@gmail.com>
Agis Anastasopoulos <agis.anast@gmail.com>
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Christoffer Buchholz <christoffer.buchholz@gmail.com>
Christoph Blecker <admin@toph.ca>
Christoph Hack <christoph@tux21b.org>
Christopher Cahoon <chris.cahoon@gmail.com>
Christopher Guiney <chris@guiney.net>
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Christopher Loessl <cloessl+github@gmail.com>
Christopher Nelson <nadiasvertex@gmail.com>
Dan Pupius <dan@medium.com>
Dan Scales <danscales@google.com>
Dan Sinclair <dan.sinclair@gmail.com>
Daniel Cohen <dcohen@gatech.edu>
Daniel Cormier <danielec@knowbe4.com>
Danil de Kok <me@danieldk.eu>
Daniel Fleischman <danielfleischman@gmail.com>
Daniel Ingram <ingramds@appstate.edu>
Daniel Johansson <dajo2002@gmail.com>
Daniel Kerwin <d.kerwin@gni.net>
Daniel Kessler <dkess@google.com>
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Daniel Lublin <daniel@lublin.se>
Daniel Mangum <georgedanielmangum@gmail.com>
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Daniel S. Fava <danielsfava@gmail.com>
Daniel Skinner <daniel@dasa.cc>
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Datong Sun <dndx@idndx.com>
Dave Borowitz <dborowitz@google.com>
Dave Bort <dbort@golang.org>
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Felix Kollmann <fk@konsorten.de>
Ferenc Szabo <frncmx@gmail.com>
Filip Gruszczynski <gruszczyn@gmail.com>
Filip Haglund <drathier@users.noreply.github.com>
Filip Stanis <fstanis@google.com>
Filippo Valsorda <filippo@golang.org> <filippo@cloudflare.com> <hi@filippo.io>
Firmansyah Adiputra <frm.adiputra@gmail.com>
Florian Forster <octo@google.com>
Florian Uekermann <florian@uekermann-online.de> <f1@uekermann-online.de>
Florian Weimer <fw@deneh.enyo.de>
Florin Patan <florinpatan@gmail.com>
Folke Behrens <folke@google.com>
Ford Hurley <ford.hurley@gmail.com>
Francesc Campoy <campoy@golang.org>
Francesco Guardiani <francescoguard@gmail.com>
Francesco Renzi <rentziass@gmail.com>
Francisco Claude <fclaude@recoded.cl>
Francisco Rojas <francisco.rojas.gallegos@gmail.com>
Francisco Souza <franciscossouza@gmail.com>
Frank Schroeder <frank.schroeder@gmail.com>
Frank Somers <fsomers@arista.com>
Frederic Guillot <frederic.guillot@gmail.com>
Frederick Kelly Mayle III <frederickmayle@gmail.com>
Frederik Ring <frederik.ring@gmail.com>
Frederik Zipp <fzipp@gmx.de>
Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com>
Fredrik Forsmo <fredrik.forsmo@gmail.com>
Fredrik Wallgren <fredrik.wallgren@gmail.com>
Frew Schmidt <github@frew.co>
Frithjof Schulze <schulze@math.uni-hannover.de> <sfrithjof@gmail.com>
Frits van Bommel <fvbommel@gmail.com>
Fujimoto Kyosuke <kyoro.f@gmail.com>
Fumitoshi Ukai <ukai@gmail.com>
James Toy <nil@opensesame.st>
James Treanor <jtreamor3@gmail.com>
James Tucker <raggi@google.com>
James Whitehead <jnwhiteh@gmail.com>
Jamie Beverly <jamie.r.beveryl@gmail.com>
Jamie Gennis <jgennis@gmail.com> <jgennis@gmail.com>
James Kerr <jkkerr113@googlemail.com>
Jamie Liu <jamieliu@gmail.com>
Jamie Stackhouse <contin673@gmail.com>
Jamie Turner <jamwt@dropbox.com>
Jamie Wilkinson <jaq@spacepants.org>
Jamil Djadala <jjadala@gmail.com>
Jan Berktold <jan@berktold.co>
Jan H. Hosang <jan.hosang@gmail.com>
Jan Kratochvil <jan.kratochvil@redhat.com>
Jan Lehnardt <jan@apache.org>
Jan Mercel <0xjnml@gmail.com> <bfelemepeseveze@gmail.com>
Jan Newmarch <jan.newmarch@gmail.com>
Jan Pilzer <jan.pilzer@gm.de>
Jan Steinke <jan.steinke@gmail.com>
Jan Ziax <0xe2.0xa.0x9b@gmail.com>
Jani Monoses <jani.moneses@ubuntu.com> <jani.moneses@gmail.com>
Jannis Andrija Schnitzer <jannis@schnitzer.im>
Jared Allard <jaredallard@users.noreply.github.com>
Jared Culp <jculp14@gmail.com>
Jaroslavas Poepko <jp@webmaster.ms>
Jason A. Donenfeld <jason@zx2c4.com>
Jason Baker <jason-baker@users.noreply.github.com>
Jason Barnett <jason.w.barnett@gmail.com>
Jason Buberel <jbuberel@google.com>
Jason Chu <jasonchujc@gmail.com>
Jason Del Ponte <delponte@gmail.com>
Jason Hall <jasonhall@gmail.com>
Jason Keene <jasonkeene@gmail.com>
Jason LeBrun <jblebrun@gmail.com>
Jason Smale <jsmale@zendesk.com>
Jason Travis <infomaniac7@gmail.com>
Jason Wangsadinata <jwangsadinata@gmail.com>
Javier Kohen <jkohen@gmail.com>
Javier Revillas <jrevillas@massivedynamic.io>
Javier Segura <javism@gmail.com>
Jay Conrod <jayconrod@gmail.com>
Jay Lee <BusyJayLee@gmail.com>
Jay Taylor <outtatime@gmail.com>
Jay Weisskopf <jay@jayschwa.net>
Jean de Klerk <deklerk@gmail.com>
Jean-Andr Santoni <jean.andre.santoni@gmail.com>
Jean-Francois Bustarret <jf@bustarret.com>
Lucio De Re <lucio.dere@gmail.com>
Ludi Rehak <ludi317@gmail.com>
Luigi Riefolo <luigi.riefolo@gmail.com>
Luit van Drongelen <luitvd@gmail.com>
Luka Zakrajek <tr00.g33k@gmail.com>
Luka Zitnik <luka.zitnik@gmail.com>
Lukasz Milewski <lmnmilewski@gmail.com>
Luke Champine <luke.champine@gmail.com>
Luke Curley <qpingu@gmail.com>
Luke Granger-Brown <git@lukegb.com>
Luke Young <bored-engineer@users.noreply.github.com>
Luna Duclos <luna.duclos@palmstonegames.com>
Luuk van Dijk <lvd@golang.org> <lvd@google.com>
Lyle Franklin <lylefjranklin@gmail.com>
Lynn Boger <laboger@linux.vnet.ibm.com>
Ma Peiqi <mapei2017@gmail.com>
Maarten Bezemer <maarten.bezemer@gmail.com>
Maciej Dbski <maciejd@google.com>
Madhu Rajanna <madhupr007@gmail.com>
Magnus Hii <magnus.hiie@gmail.com>
Mahdi Hosseini Moghaddam <seyed.mahdi.hosseini.moghaddam@ibm.com>
Maia Lee <maia.lee@leftfieldlabs.com>
Maicon Costa <maiconsccosta@gmail.com>
Mak Kolybabi <mak@kolybabi.com>
Maksym Trykur <maksym.trykur@gmail.com>
Mal Curtis <mal@mal.co.nz>
Manfred Touron <m@42.am>
Manigandan Dharmalingam <manigandan.jeff@gmail.com>
Manish Goregaokar <manish@outlook.com>
Manoj Dayaram <manoj.dayaram@moovweb.com>
Mansour Rahimi <rahimi.mnr@gmail.com>
Manu Garg <manugarggoogle.com>
Manu S Ajith <neo@codingarena.in>
Manuel Mendez <nmmendez534@gmail.com>
Marat Khabibullin <marat.khabibullin@jetbrains.com>
Marc Sanmiquel <marcsanmiquel@gmail.com>
Marc Weistroff <marc@weistroff.net>
Marc-Antoine Ruel <maruel@chromium.org>
Marcel Edmund Franke <marcel.edmund.franke@gmail.com>
Marcel van Lohuizen <mpvl@golang.org>
Marcelo Cantos <marcelo.cantos@gmail.com>
Marcelo E. Magallon <marcelo.magallon@gmail.com>
Marco Gazerro <gazerro@open2b.com>
Marco Hennings <marco.hennings@freiheit.com>
Marcus Weiner <marcus.weiner@gmail.com>
Marcus Willock <crazcalm@gmail.com>
Marga Manterola <marga@google.com>
Mariano Cano <mariano@smallstep.com>
Patrick Barker <barkerp@vmware.com>
Patrick Crosby <patrick@stathat.com>
Patrick Gavlin <pgavlin@gmail.com>
Patrick Gundlach <gundlach@speedata.de>
Patrick Higgins <patrick.allen.higgins@gmail.com>
Patrick Jones <ithuriel@google.com>
Patrick Lee <pattyshack101@gmail.com>
Patrick Mzard <patrick@mezard.eu>
Patrick Mylund Nielsen <patrick@patrickmn.com>
Patrick Pelletier <pp.pelletier@gmail.com>
Patrick Riley <spfr@google.com>
Patrick Smith <pat42smith@gmail.com>
Patrik Lundin <patrik@sigterm.se>
Paul A Querna <paul.querna@gmail.com>
Paul Borman <borman@google.com>
Paul Boyd <boyd.paul2@gmail.com>
Paul Chang <paulchang@google.com>
Paul D. Weber <x0bdev@gmail.com>
Paul Davis <43160081+Pawls@users.noreply.github.com>
Paul E. Murphy <murp@ibm.com>
Paul Forgey <paulf@tessier-ashpool.net>
Paul Hammond <paul@paulhammond.org>
Paul Hankin <paulhankin@gmail.com>
Paul Jolly <paul@myitcv.org.uk>
Paul Lalonde <paul.a.lalonde@gmail.com>
Paul M Furley <paulpaulfurley.com>
Paul Marks <pmarks@gmail.com>
Paul Meyer <paul.meyer@microsoft.com>
Paul Nasrat <pnasrat@gmail.com>
Paul PISCUC <paul.piscuc@gmail.com>
Paul Querna <pquerna@apache.org>
Paul Rosania <paul.rozan@gmail.com>
Paul Ruest <pruest@gmail.com>
Paul Sbarra <Sbarra.Paul@gmail.com>
Paul Smith <paulsmith@pobox.com> <paulsmith@gmail.com>
Paul Tyng <paul@paultyng.net>
Paul van Brouwershaven <paul@vanbrouwershaven.com>
Paul Wankadia <junyer@gmail.com>
Paulo Casaretto <pcasaretto@gmail.com>
Paulo Flabiano Smorigo <pfsmorigo@linux.vnet.ibm.com>
Paulo Gomes <paulo.gomes.uk@gmail.com>
Pavel Paulau <pavel.paulau@gmail.com>
Pavel Zinovkin <pavel.zinovkin@gmail.com>
Pavlo Sumkin <ymkins@gmail.com>
Pawel Knap <pawelknap88@gmail.com>
Pawel Szczur <filemon@gmail.com>
Pawe Szulik <pawel.szulik@intel.com>
Pei Xian Chee <luciolas1991@gmail.com>
Sabin Mihai Rapan <sabin.rapan@gmail.com>
Sad Pencil <qh06@qq.com>
Sai Cheenalapati <saicheems@gmail.com>
Sai Kiran Dasika <kirandasika30@gmail.com>
Sakeven Jiang <jc5930@sina.cn>
Salaheddin M. Mahmud <salah.mahmud@gmail.com>
Salim Aljamn <s@0x65.net>
Sam Arnold <sarnold64@bloomberg.net>
Sam Boyer <tech@samboyer.org>
Sam Chen <chenxsan@gmail.com>
Sam Cross <samgcdev@gmail.com>
Sam Ding <samding@ca.ibm.com>
Sam Hug <samuel.b.hug@gmail.com>
Sam Thorogood <thorogood@gmail.com>
Sam Whited <sam@samwhited.com>
Sam Xie <xsambundy@gmail.com>
Sameer Ajmani <sameer@golang.org> <ajmani@gmail.com>
Sami Commerot <samic@nokia.com>
Sami Pukken <sami.ponkanen@gmail.com>
Samuel Kelemen <SCKelemen@users.noreply.github.com>
Samuel Tan <samueltan@gmail.com>
Samuele Pedroni <pedronis@lucedijurna.net>
Sander van Harmelen <sander@vanharmelen.nl>
Sanjay Menakuru <balasanjay@gmail.com>
Santosh Kumar Tekuri <santhosh.tekuri@gmail.com>
Santiago De la Cruz <51337247+xhit@users.noreply.github.com>
Sarah Adams <shadams@gmail.com>
Sardorbek Pulatov <sardorbek.pulatov@outlook.com>
Sascha Brawer <sascha@brawer.ch>
Sasha Lionheart <lionhearts@gmail.com>
Sasha Sobol <sasha@scaledinference.com>
Scott Barron <scott.barron@gmail.com>
Scott Bell <scott@sctsm.com>
Scott Crunkleton <crunk1@gmail.com>
Scott Ferguson <scottwferg@gmail.com>
Scott Lawrence <bytbox@gmail.com>
Scott Mansfield <smansfield@netflix.com>
Scott Ragan <ragansa@fb.com>
Scott Schwartz <scotts@golang.org>
Scott Van Woudenberg <scottvw@nokia.com>
Sean Burford <sburford@nokia.com>
Sean Chen <oohcode@gmail.com>
Sean Chittenden <seane@joyent.com>
Sean Christopherson <sean.j.christopherson@intel.com>
Sean Dolphin <Sean.Dolphin@kpcompass.com>
Sean Harger <sharger@gmail.com>
Sean Hildebrand <seanwhildebrand@gmail.com>
Sean Liao <seankhliao@gmail.com>
Sean Rees <sean@erifax.org>
Sebastiaan van Stijn <github@gone.nl>
Sebastian Chlopecki <sebastian@erifax.org>
Sebastian Kinne <skinne@google.com>
Sebastian Schmidt <yath@google.com>
Sebastien Binet <seb.binet@gmail.com>
Sbastien Paolacci <sebastien@erifax.org>
Sebastien Williams-Wynn <sebastien@cytora.com>
Segev Finer <segev208@gmail.com>
Seiji Tahakashi <timake.st@gmail.com>
Sergei Lemeshev <sergei@erifax.org>
Sergei Skorobogatov <skorobog@rambler.ru>
Sergei Zagurskii <sergei@erifax.org>
Sergei 'Snake' Gromov <snake.scally@gmail.com>
Sergei Arseev <sergey.arseev@intel.com>
Sergey Dobrodey <sergey.dobrodey@synesis.ru>
Sergey Frolov <sfrolov@google.com>
Sergey Glushchenko <sergey.gлушchenко@gmail.com>
Sergey Ivanov <ser1325@gmail.com>
Sergey Lukjanov <sergey.lukjanov@gmail.com>
Sergey Mishin <sergeymishin@gmail.com>
Sergey Mudrik <sergey.mudrik@gmail.com>
Sergey Semin <gray12511@gmail.com>
Sergey Yanykin <sergey.yanykin@gmail.com>
Sergio Luis O. B. Correia <sergio@correia.cc>
Sergiusz Bazanski <sergio.bazanski@gmail.com>
Serhat Geyidiren <serhat.geyidiren@gmail.com>
Seth Hoenig <seth.hoenig@gmail.com>
Seth Vargo <seth.vargo@gmail.com>
Shahar Kohanim <shahar.kohanim@gmail.com>
Shailesh Suryawanshi <shailesh28@gmail.com>
Shamil Garatuev <garatuev@gmail.com>
Shane Hansen <shanem@nsu.edu>
Shaozhen Ding <dsz0111@gmail.com>
Shaquille Que <shaquille@golang.org>
Shaquille Wyan Que <shaquille@golang.org>
Shawn Dunning <shawn.dunning@nsu.edu>
Shawn Elliott <shawn.elliott@microsoft.com>
Shawn Ledbetter <shawn.elliott@golang.org>
Shawn Smith <shawn.p.smith@gmail.com>
Shawn Walker-Salas <shawn.walker@oracle.com>
Shenghou Ma <minux@golang.org> <minux.ma@gmail.com>
Shengjing Zhu <zj950618@gmail.com>
Shengyu Zhang <shengyu.zhang@chaitin.com>
Shi Han Ng <shihangn@gmail.com>
ShihCheng Tu <mrtoastcheng@gmail.com>
Stphane Travostino <stephane.travostino@gmail.com>
Stephen Lewis <stephen@sock.org.uk>
Stephen Lu <steuhs@users.noreply.github.com>
Stephen Ma <stephenmu@golang.org>
Stephen McQuay <stephen@mcquay.me>
Stephen Searles <stephens2424@gmail.com>
Stephen Weinberg <stephen@q5comm.com>
Steve Francia <spf@golang.org>
Steve Gilbert <stevegilbert23@gmail.com>
Steve LoFurno <slofurno@gmail.com>
Steve McCoy <mccoyst@gmail.com>
Steve Mynott <steve.mynott@gmail.com>
Steve Newman <snewman@google.com>
Steve Phillips <elimisteve@gmail.com>
Steve Streeter <steve@stevestreetering.com>
Steve Traut <straut@google.com>
Steven Buss <sbuss@google.com>
Steven Elliot Harris <seharris@gmail.com>
Steven Erenst <stevenerenst@gmail.com>
Steven Hartland <stevan.hartland@multiplay.co.uk>
Steven Littiebrant <imgroxx@gmail.com>
Steven Maude <git@stevenmaude.co.uk>
Steven Wilkin <stevenwilkin@gmail.com>
Stuart Jansen <sjansen@buscaluz.org>
Subham Sarkar <sarkar.subhams2@gmail.com>
Sue Spence <virtuallysue@gmail.com>
Sugu Sougoumarane <ssougou@gmail.com>
Suharsh Sivakumar <suharshs@gmail.com>
Sukrit Handa <sukrit.handa@utoronto.ca>
Sunny <me@darkowlzz.space>
Suriyaa Sundararuban <suriyaaasundararuban@gmail.com>
Suyash <dextrous93@gmail.com>
Suzy Mueller <suzmue@golang.org>
Sven Almgren <sven@tras.se>
Sven Blumenstein <svbl@google.com>
Sven Taute <sven.taute@gmail.com>
Sylvain Zimmer <sylvain@sylvainzimmer.com>
Syoehei YOSHIDA <syohex@gmail.com>
Szabolcs Nagy <nsz@port70.net>
Taavi Kivisik <taavi.kivisik@gmail.com>
Tad Fisher <tadfisher@gmail.com>
Tad Glines <tad.glines@gmail.com>
Tadas Valiukas <tadovas@gmail.com>
Tadeo Kondrak <me@tadeo.ca>
Taesu Pyo <spyotaesu@gmail.com>
Tai Le <letientai299@gmail.com>
Taj Khattra <taj.khattra@gmail.com>
Takashi Matsuo <tmatsuo@google.com>
Yongjian Xu <i3dmaster@gmail.com>
Yorman Arias <ci6tords@gmail.com>
Yoshiyuki Kanno <nekorohob@gmail.com> <yoshiyuki.kanno@stoic.co.jp>
Yoshiyuki Mineo <yoshiyuki.mineo@gmail.com>
Yosuke Akatsuka <yosuke.akatsuka@gmail.com>
Yu Heng Zhang <annita.zhang@cn.ibm.com>
Yu Xuan Zhang <zyxsh@cn.ibm.com>
Yuichi Kishimoto <yk2220s@gmail.com>
Yuichi Nishiwaki <yuichi.nishiwaki@gmail.com>
Yuji Yaginuma <yuji.yaginuma@gmail.com>
Yuki OKUSHI <huyuumi.dev@gmail.com>
Yuki Yugu Sonoda <yugui@google.com>
Yukihiro Nishinaka <helpanal@gmail.com>
Yury Smolsky <yury@smolsky.by>
Yusuke Kagiwada <block.rxckin.beats@gmail.com>
Yuusei Kuwana <kuwana@kumama.org>
Yuval Pavel Zholkover <paulzhol@gmail.com>
Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>
Zac Bergquist <zbergquist99@gmail.com>
Zach Bintliff <zbintliff@gmail.com>
Zach Gershman <zachgersh@gmail.com>
Zach Jones <zachj1@gmail.com>
Zachary Amsden <zach@thundertoken.com>
Zachary Gershman <zgershman@pivotal.io>
Zak <zrjknill@gmail.com>
Zakatell Kanda <hi@zkanda.io>
Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>
Zev Goldstein <zev.goldstein@gmail.com>
Zhang Boyang <zhangboyang.id@gmail.com>
Zheng Dayu <davidzheng23@gmail.com>
Zheng Xu <zheng.xu@arm.com>
Zhengyu He <hzy@google.com>
Zhongpeng Lin <zplin@uber.com>
Zhongtao Chen <chenzhongtao@126.com>
Zhongwei Yao <zhongwei.yao@arm.com>
Zhou Peng <p@ctriple.cn>
Ziad Hatahet <hatahet@gmail.com>
Ziheng Liu <lzhfromustc@gmail.com>
Zorion Arrizabalaga <zorionk@gmail.com>
Zyad A. Ali <zyad.ali.me@gmail.com>
<a.maksadbek@gmail.com> <max.faceless.frei@gmail.com>
<hagen1778@gmail.com> <tbnuky@gmail.com>
<faxriddinjon@gmail.com> <zs349596@gmail.com> <bronzelnman@gmail.com>
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1.664 ldns 1.7.2_git20210911-r1

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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1.666 x-crypto 0.0.0-20220214200702-86341886e292

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$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp $
Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/manl, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
mke all

su and say:
mke install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until
they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no `&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):
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# * /

Vixie Cron V3.0
December 27, 1993
[V2.2 was some time in 1992]
[V2.1 was May 29, 1991]
This is a version of 'cron' that is known to run on BSD 4.23 systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A message is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files
Edit config.h
Edit Makefile
(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)
'make'
'su' and 'make install'
(you may have to install the man pages by hand)
kill your existing cron process
(actually you can run your existing cron if you want, but why?)
build new crontabs using /usr/lib/{crontab,crontab.local}
(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)
start up the new cron
(must be done as root)
watch it. Test it with 'crontab -r' and watch the daemon track your changes.
if you like it, change your /etc/{rc,rc.local} to use it instead of...
the old one.

$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp$

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* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/externs.h
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jloup@gzip.org          madler@alumni.caltech.edu

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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/**
 * Creates an array of the own enumerable property names of `object`.
 * 
 * **Note:** Non-object values are coerced to objects. See the
 * [ES spec](http://ecma-international.org/ecma-262/7.0/#sec-object.keys)
 * for more details.
 *
 * @static
 * @since 0.1.0
 * @memberOf _
 * @category Object
 * @param {Object} object The object to query.
@returns {Array} Returns the array of property names.
@example

function Foo() {
  this.a = 1;
  this.b = 2;
}

Foo.prototype.c = 3;

_.keys(new Foo);
// => ['a', 'b'] (iteration order is not guaranteed)

_.keys('hi');
// => ['0', '1']

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* 2016-06-16 18:25:19
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/**

* Sets metadata for `func`.
*
* ***Note:*** If this function becomes hot, i.e. is invoked a lot in a short
* period of time, it will trip its breaker and transition to an identity
* function to avoid garbage collection pauses in V8. See
* [V8 issue 2070](https://bugs.chromium.org/p/v8/issues/detail?id=2070)
* for more details.
*
* @private
* @param {Function} func The function to associate metadata with.
* @param {*} data The metadata.
* @returns {Function} Returns `func`.
* /

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Found in path(s):
* /opt/cola/permits/1337433013_1658940586.7039633/0/luminati-proxy-1-128-322-tgz/package/bin/pub/fde7e99c5530b2a52e67.vendor.js
No license file was found, but licenses were detected in source scan.

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* /opt/cola/permits/1337433013_1658940586.7039633/0/luminati-proxy-1-128-322-tgz/package/src/pub/login.js
1.675 zipkin-go-opentracing 0.3.4

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1.676 base-files 11ubuntu5.5

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* /opt/cola/permits/1217182149_1635515105.41/0/vertx-sockjs-3-0-0-dev-preview1-sources-jar/io/vertx/ext/sockjs/impl/HtmlFileTransport.java
* /opt/cola/permits/1217182149_1635515105.41/0/vertx-sockjs-3-0-0-dev-preview1-sources-jar/io/vertx/ext/sockjs/impl/SocketJSServerImpl.java
*/
jar/io/vertx/ext/sockjs/impl/SocketBase.java
* /opt/cola/permits/1217182149_1635515105.41/0/vertx-sockjs-3-0-0-dev-preview1-sources-
jar/io/vertx/ext/sockjs/Socket.java
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* /opt/cola/permits/1217182149_1635515105.41/0/vertx-sockjs-3-0-0-dev-preview1-sources-
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jar/io/vertx/ext/sockjs/BridgeOptions.java
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* /opt/cola/permits/1217182149_1635515105.41/0/vertx-sockjs-3-0-0-dev-preview1-sources-
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1.687 semver 3.5.1

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

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optimize pattern matching. This is an optional feature that can be omitted when
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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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PCRE2 JUST-IN-TIME COMPILATION SUPPORT

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Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu
STACK-LESS JUST-IN-TIME COMPILER

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1.696 kibana-reporting 7.2.1

1.697 sqlhooks 1.3.0

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1.698 python-setuptools 45.2.0-1

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1.699 antchfx-xpath 1.2.0

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