

RSA® Certificate Manager API 6.9 build 560 Readme

This document what is new and changed in RSA® Certificate Manager API 6.9 build 560 (Certificate Manager API). It includes installation information, as well as information about the fixed issues and known issues. Read this document before installing the software.

For the complete Certificate Manager API documentation set, go to RSA SecurCare® Online at <https://knowledge.rsasecurity.com> or contact RSA Customer Support.

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New Features

This release of Certificate Manager API is designed to include the following new features:

- Transport Layer Security (TLS) 1.2 support during secure communication.

Enhanced Functionality

There is no enhanced functionality in this release of Certificate Manager API.

Package Contents

The Certificate Manager API package for this release is designed to contain the following:

- `RSACMAPI-v6.9build560r-WIN32_VS2005.zip`,
`RSACMAPI-v6.9build560r-WIN32_VS2008.zip`, and
`RSACMAPI-java-v6.9build560r-WIN32.zip` (for systems running a Windows operating system)

Note: Support for Visual Studio 6 is removed.

- `RSACMAPI-v6.9build560r-sparc-sun-solaris.tar` and
`RSACMAPI-java-v6.9build560r-sparc-sun-solaris.tar` (for systems running a Solaris operating system)
- `RSACMAPI-v6.9build560r-linux.tar` and
`RSACMAPI-java-v6.9build560r-linux.tar` (for systems running a Red Hat Enterprise Linux operating system)
- `RSACMAPI-v6.9build560r-SuSE_linux.tar` and
`RSACMAPI-java-v6.9build560r-SuSE_linux.tar` (for systems running a SUSE Linux operating system)
- Product documentation consisting of this *Readme* document in Portable Document Format (PDF).

Note: In the event of a discrepancy, this *Readme* document takes precedence over the *Reference Manual*.

Installation

You must perform one of the following:

- [Installing the Full Build](#)
- [Installing the Hotfix](#)

Installing the Full Build

To install the full build of Certificate Manager API for C, use the appropriate file from this package and follow the procedure described in the *Reference Manual*. On systems running a:

- Windows operating system, for:
 - Visual Studio 2005, use
`RSACMAPI-v6.9build560r-WIN32_VS2005.zip`.
 - Visual Studio 2008, use
`RSACMAPI-v6.9build560r-WIN32_VS2008.zip`.
- Solaris operating system, use
`RSACMAPI-v6.9build560r-sparc-sun-solaris.tar`.
- Red Hat Linux operating system, use
`RSACMAPI-v6.9build560r-linux.tar`.
- SUSE Linux operating system, use
`RSACMAPI-v6.9build560r-SuSE_linux.tar`.

To install the full build of Certificate Manager API for Java, use the appropriate file from this package and follow the procedure described in the *Java API Developer's Guide*. On systems running a:

- Windows operating system, use
`RSACMAPI-java-v6.9build560r-WIN32.zip`.
- Solaris operating system, use
`RSACMAPI-java-v6.9build560r-sparc-sun-solaris.tar`.
- RedHat Linux operating system, use
`RSACMAPI-java-v6.9build560r-linux.tar`.
- SUSE Linux operating system, use
`RSACMAPI-java-v6.9build560r-SuSE_linux.tar`.

Installing the Hotfix

This section describes how to install the hotfix for this release.

Note: Separate hotfix files are not provided for this release of Certificate Manager API. Instead, the hotfix is installed using the full build packages provided.

Windows Operating System

To apply Certificate Manager API 6.9 build 560:

1. Back up `API_INSTALL\lib\xuda.lib` (`API_INSTALL` is the directory path where Certificate Manager API is installed).
2. If you are upgrading from Certificate Manager API 6.9 build 557 or earlier, upgrade to Certificate Manager API 6.9 build 558 before proceeding with these instructions.
3. If you are upgrading from Certificate Manager API 6.9 build 558, copy:
 - a. `xuda.lib` and `mesabstraction.dll` from `RSACMAPI-v6.9build560r-WIN32_VS2005.zip` of the full build package for Visual Studio 2005 to the `API_INSTALL\lib` folder.
 - b. `xuda.lib` and `mesabstraction.dll` from `RSACMAPI-v6.9build560r-WIN32_VS2008.zip` of the full build package for Visual Studio 2008 to the `API_INSTALL\lib` folder.
4. Extract the files from `SSLC_CryptoCME_Libs-WIN32.zip` provided with the full build package.
5. Replace the following files located at `\WINDOWS\system32` (for Windows 32-bit operating system) or `\Windows\SysWOW64` (for Windows 64-bit operating system) with the ones in the unzipped folder:
 - `ccme_base.dll`
 - `ccme_ecc.dll`
 - `ccme_eccaccel.dll`
 - `cryptocme2.dll`
 - `cryptocme2.sig`
6. Perform an API samples rebuild.

Note: API samples must be recompiled to ensure that the new `xuda.lib` and `mesabstraction.dll` files are used.

For more information, see the *Reference Manual*.

7. Copy `mesabstraction.dll` to the location where your application is running.

To apply Certificate Manager API 6.9 build 560 for Java:

1. Back up `API_INSTALL\lib\rmapinative.dll` (`API_INSTALL` is the directory path where Certificate Manager API is installed).
2. If you are upgrading from Certificate Manager API 6.9 build 557 or earlier, upgrade to Certificate Manager API 6.9 build 558 before proceeding with these instructions.
3. If you are upgrading from Certificate Manager API 6.9 build 558, copy `rmapinative.dll` and `mesabstraction.dll` from `RSACMAPI-java-v6.9build560r-WIN32.zip` of the full build package to the `API_INSTALL\lib` folder.
4. Extract the files from `SSLC_CryptoCME_Libs-WIN32.zip` provided with this full build package.
5. Replace the following files located at `\WINDOWS\system32` (for Windows 32-bit operating system) or `\windows\SysWOW64` (for Windows 64-bit operating system) with the ones in the unzipped folder:
 - `ccme_base.dll`
 - `ccme_ecc.dll`
 - `ccme_eccaccel.dll`
 - `cryptocme2.dll`
 - `cryptocme2.sig`
6. Perform an API samples rebuild.

Note: API samples must be recompiled to ensure that the new `rmapinative.dll` and `mesabstraction.dll` files are used.

For more information, see the *Reference Manual*.

7. Copy `mesabstraction.dll` to the location where your application is running.

Solaris or Linux Operating System

To apply Certificate Manager API 6.9 build 560:

1. Back up `API_INSTALL/lib/libxuda.a` (`API_INSTALL` is the directory path where Certificate Manager API is installed).
2. If you are upgrading from Certificate Manager API 6.9 build 557 or earlier, upgrade to Certificate Manager API 6.9 build 558 before proceeding with these instructions.
3. If you are upgrading from Certificate Manager API 6.9 build 558, copy `libxuda.a` and `libmesabstraction.so` from the appropriate `.tar` file to the `API_INSTALL/lib` folder. On systems running a:
 - Solaris operating system,
`RSACMAPI-v6.9build560r-sparc-sun-solaris.tar`.
 - Red Hat Linux operating system,
`RSACMAPI-v6.9build560r-linux.tar`.
 - SUSE Linux operating system,
`RSACMAPI-v6.9build560r-SuSE_linux.tar`.
4. Extract the following tar file provided with the full build package. On systems running a:
 - Solaris operating system,
`SSL_CryptoCME_Libs-sparc-sun-solaris.tar`.
 - Red Hat Linux operating system,
`SSL_CryptoCME_Libs-RH_Linux.tar`.
 - SUSE Linux operating system,
`SSL_CryptoCME_Libs-SuSE_Linux.tar`.
5. Replace the following files located at `/usr/lib` with the ones in the untarred folder:
 - `libccme_base.so`
 - `libccme_ecc.so`
 - `libccme_eccaccel.so`
 - `libcryptocme2.so`
 - `libcryptocme2.sig`

Note: Make sure that you logon as the root user and give proper permissions to the users to access the library files.

6. Perform an API samples rebuild.

Note: API samples must be recompiled to ensure that the new `libxuda.a` and `libmesabstraction.so` files are used.

For more information, see the *Reference Manual*.

7. Copy `libmesabstraction.so` to the location where your application is running.

To apply Certificate Manager API 6.9 build 560 for Java:

1. Back up `API_INSTALL/lib/librcmapinative.so` (`API_INSTALL` is the directory path where Certificate Manager API is installed)
2. If you are upgrading from Certificate Manager API 6.9 build 557 or earlier, upgrade to Certificate Manager API 6.9 build 558 before proceeding with these instructions.
3. If you are upgrading from Certificate Manager API 6.9 build 558, copy `librcmapinative.so` and `libmesabstraction.so` from the appropriate `.tar` file to the `API_INSTALL/lib` folder. On systems running a:
 - Solaris operating system,
`RSACMAPI-v6.9build560r-sparc-sun-solaris.tar`.
 - Red Hat Linux operating system,
`RSACMAPI-v6.9build560r-linux.tar`.
 - SUSE Linux operating system,
`RSACMAPI-v6.9build560r-SuSE_linux.tar`.
4. Extract the following tar file provided with the full build package. On systems running a:
 - Solaris operating system, use
`SSL_CryptoCME_Libs-sparc-sun-solaris.tar`
 - Redhat Linux operating system, use
`SSL_CryptoCME_Libs-RH_Linux.tar`
 - SUSE Linux operating system, use
`SSL_CryptoCME_Libs-SuSE_Linux.tar`.
5. Replace the following files located at `/usr/lib` with the ones in the untarred folder:
 - `libccme_base.so`
 - `libccme_ecc.so`
 - `libccme_eccaccel.so`
 - `libcryptocme2.so`
 - `libcryptocme2.sig`

Note: Make sure that you logon as the root user and give proper permissions to the users to access the library files.

6. Perform an API samples rebuild.

Note: API samples must be recompiled to ensure that the new `librcmapinative.so` and `libmesabstraction.so` files are used.

For more information, see the *Reference Manual*.

7. Copy `libmesabstraction.so` to the location where your application is running.

Fixed Issues

There are no fixed issues in this release of Certificate Manager API.

Known Issues

There are no known issues in this release of Certificate Manager API.

RSA Customer Support

Access these locations for help with your RSA product:

- [RSA SecurCare Online](#)
RSA SecurCare Online offers a knowledge base that contains answers to common questions and solutions to known problems. It also offers information on new releases, important technical news, and software downloads.
- [RSA Customer Support](#)
The RSA Customer Support site contains information on RSA support programs plus an extensive Content Library of product-related documents such as datasheets, guides and whitepapers.
- [RSA Ready Community](#)
The RSA Ready Community is a platform for customers, partners, and RSA enthusiasts to learn about products certified to interoperate with RSA products including access to integration guides.

Before You Call Customer Support

Make sure you have direct access to the computer running your RSA product software.

Please have the following information available:

- Your RSA Customer Serial Number.
- The software version number of your RSA product.
- The make and model of the machine on which the problem occurs.
- The name and version of the operating system under which the problem occurs.