

Readme

RSA Certificate Manager API 6.9 build553



October 19, 2012

Introduction

This document lists what's new and changed in RSA® Certificate Manager API 6.9 build553. It includes installation information, as well as workarounds for known issues, if any. Read this document before installing the software. This document contains the following sections:

- [New Features](#)
- [Enhanced Features](#)
- [Package Contents](#)
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- [Installation](#)
- [Fixed Issues](#)
- [Support and Service](#)

For the complete RSA Certificate Manager API 6.9 documentation set, go to RSA SecurCare Online at <https://knowledge.rsasecurity.com> or contact RSA Customer Support.

New Features

This section describes the features introduced in this release.

Support on Java SDK

RSA Certificate Manager API 6.9 build553 includes Java SDK to build applications in Java that interface with and manage Certificate Manager.

A Developer's Guide ([API_INSTALL/documentation/webhelp/Java_Developer_Guide.html](#)) and a Javadoc ([API_INSTALL/documentation/javadoc](#)) have been included in the product documentation to provide information on using Certificate Manager API.

Enhanced Features

This section describes the features that were enhanced in this release.

Upgrade on the compiler version for Certificate Manager API development

The compiler version used in the development of RSA Certificate Manager API 6.9 build553 for Windows is upgraded to Microsoft Visual Studio 2008.

Package Contents

The RSA Certificate Manager API 6.9 build553 package contains:

Software

For Windows:

- Media verification file associated with the hotfix:
media.sig

- Files (zipped) associated with the hotfix (with support for Visual Studio 6.0):
samples\pkiSamples\SoftwarePKI\CAPublishARL\CAPublishARL.c
samples\pkiSamples\SoftwarePKI\CAPublishCertificate\CAPublishCertificate.c
samples\pkiSamples\SoftwarePKI\CAPublishCRL\CAPublishCRL.c
lib\xuda.lib
- Files (zipped) associated with the hotfix (with support for Visual Studio 2005):
samples\pkiSamples\SoftwarePKI\CAPublishARL\CAPublishARL.c
samples\pkiSamples\SoftwarePKI\CAPublishCertificate\CAPublishCertificate.c
samples\pkiSamples\SoftwarePKI\CAPublishCRL\CAPublishCRL.c
lib\xuda.lib

For Solaris and Linux:

- Media verification file associated with the hotfix:
media.sig
- Files (tarred) associated with the hotfix:
samples/pkiSamples/SoftwarePKI/CAPublishARL/CAPublishARL.c
samples/pkiSamples/SoftwarePKI/CAPublishCertificate/CAPublishCertificate.c
samples/pkiSamples/SoftwarePKI/CAPublishCRL/CAPublishCRL.c
lib/libxuda.a

Documentation

The product documentation is a printable PDF of this *Readme*.

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

Distribution Media Verification

On Windows

To verify the download package:

1. From the FTP server, download the release package.
2. Unzip the hotfix files into an empty working directory (for example, C:\temp\verifyPath\).
3. Locate the **mediaverify.exe** executable in the **API_INSTALL\Utils** folder of the Certificate Manager installation.
4. From the command prompt in the working directory, type:
`<path from Certificate Manager installation>\Utils\mediaverify.exe.`
5. Check the success message at the end of the output and verify that the media verification utility did not report any errors.

If there are any errors, contact RSA Customer Support. For a list of error messages, see the *Administrator's Guide*.

If the verification is successful, you see output similar to the example shown in Appendix C of the *Installation Guide*.

On Solaris or Linux

To verify the download package:

1. From the FTP server, download the release package.
2. Untar the hotfix files into an empty working directory (for example, */home directory/verifyPath/*).
3. Locate the **mediaverify** executable in the **API_INSTALL/Utils** folder of the Certificate Manager installation.
4. From the command prompt in the working directory, type:


```
<path from Certificate Manager installation>/Utils/mediaverify.
```
5. Check the success message at the end of the output and verify that the media verification utility did not report any errors.

If there are any errors, contact RSA Customer Support. For a list of error messages, see the *Administrator's Guide*.

If the verification is successful, you see output similar to the example shown in Appendix C of the *Installation Guide*.

Installation

You must perform one of the following:

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

Installing the Full Build

If you want to install a full build of RSA Certificate Manager API 6.9 build553 for C, use the following files that come with this package, and follow the procedure described in the *Reference Manual*

- On Windows,
 - For Visual Studio 6.0, use **RSACMAPI-v6.9build553r-WIN32.zip**.
 - For Visual Studio 2005, use **RSACMAPI-v6.9build553r-WIN32_VS2005.zip**.
 - For Visual Studio 2008, use **RSACMAPI-v6.9build553r-WIN32_VS2008.zip**.
- On Solaris, use **RSACMAPI-v6.9build553r-sparc-sun-solaris.tar**.
- On RedHat Linux, use **RSACMAPI-v6.9build553r-linux.tar**.
- On SUSE Linux, use **RSACMAPI-v6.9build553r-SuSE_linux.tar**.

If you want to install a full build of RSA Certificate Manager API 6.9 build553 for Java, use the following files that come with this package, and follow the procedure described in the *Java API Developer's Guide*:

- On Windows, use **RSACMAPI-java-v6.9build553r-WIN32.zip**.
- On Solaris, use **RSACMAPI-java-v6.9build553r- sparc-sun-solaris.tar**.
- On RedHat Linux, use **RSACMAPI-java-v6.9build553r-linux.tar**.
- On SUSE Linux, use **RSACMAPI-java-v6.9build553r- SuSE_linux.tar**.

Installing the Hotfix Files

On Windows

This hotfix does not require a new installation of the product, but rather a drop-in replacement of four files into the appropriate Certificate Manager API directory.

To install RSA Certificate Manager API 6.9 build553 (with support for Visual Studio 6.0 or Visual Studio 2005):

1. Backup the following files (**API_INSTALL** is the directory path where Certificate Manager API is installed):
 - **API_INSTALL\samples\pkiSamples\SoftwarePKI\CAPublishARL\CAPublishARL.c**
 - **API_INSTALL\samples\pkiSamples\SoftwarePKI\CAPublishCertificate\CAPublishCertificate.c**
 - **API_INSTALL\samples\pkiSamples\SoftwarePKI\CAPublishCRL\CAPublishCRL.c**
 - **API_INSTALL\lib\xuda.lib**
2. Copy the hotfix .zip file to the **API_INSTALL** directory.
 - For Visual Studio 6.0, use **RSACMAPI-v6.9build553r-dropin-WIN32.zip**.
 - For Visual Studio 2005, use **RSACMAPI-v6.9build553r-dropin-WIN32_VS2005.zip**.
3. Unzip and extract the file ensuring that the new file replaces the old file.
4. Perform an API samples rebuild.

Note: API samples must be recompiled to ensure that the new **xuda.lib** file is used.

For more information, see the *Reference Manual*.

5. Unzip the **SSLC_CryptoCME_Libs-WIN32.zip** file provided with this drop-in package.
6. 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**

On Solaris or Linux

This hotfix does not require a new installation of the product, but rather a drop-in replacement of four files into the appropriate Certificate Manager API directory.

To install RSA Certificate Manager API 6.9 build553:

1. Backup the following files (**API_INSTALL** is the directory path where Certificate Manager API is installed):
 - **API_INSTALL/samples/pkiSamples/SoftwarePKI/CAPublishARL/CAPublishARL.c**
 - **API_INSTALL/samples/pkiSamples/SoftwarePKI/CAPublishCertificate/CAPublishCertificate.c**
 - **API_INSTALL/samples/pkiSamples/SoftwarePKI/CAPublishCRL/CAPublishCRL.c**
 - **API_INSTALL/lib/libxuda.a**
2. Copy the tar file to the **API_INSTALL** directory.
3. Untar and extract the file ensuring that the new file replaces the old file.

4. Perform an API samples rebuild.

Note: API samples must be recompiled to ensure that the new **libxuda.a** file is used.

For more information, see the *Reference Manual*.

Fixed Issues

This section lists the issues that have been fixed in this release and the previous release.

Tracking Number	Description	Resolution
Fixed in build553		
CERTMGR-4165	When you configured a Jurisdiction only for local publishing but not for external publishing, and when you publish a certificate, CRL or an ARL, Certificate Manager API did not return XrcOK. The API returned an error code although local publishing was successful.	<p>This issue is resolved in RSA Certificate Manager 6.9 build553.</p> <ul style="list-style-type: none"> • If you configure the Jurisdiction only for local publishing, and if the publishing is successful, Certificate Manager API returns XrcLOCALPUBLISHSUCCESS. • If you configure the Jurisdiction only for external publishing, and if the publishing is successful, Certificate Manager API returns XrcEXTERNALPUBLISHSUCCESS. • If you configure the Jurisdiction for both local publishing and external publishing, and if the publishing is successful, Certificate Manager API returns XrcOK.
Fixed in build551		
CERTMGR-4067	You could not create CAs using ECC algorithms on Windows operating systems.	This issue is resolved in RSA Certificate Manager API 6.9 build551.

Support and Service

RSA SecurCare Online	https://knowledge.rsasecurity.com
Customer Support Information	www.rsa.com/support
RSA Secured Partner Solutions Directory	www.rsasecured.com

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