

Readme

RSA Registration Manager 6.9 build553



October 19, 2012

Introduction

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

- [New Features](#)
- [Package Contents](#)
- [Distribution Media Verification](#)
- [Installation](#)
- [Fixed Issues](#)
- [Known Issues](#)
- [Support and Service](#)

For the complete RSA Registration Manager 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 new features introduced in this release.

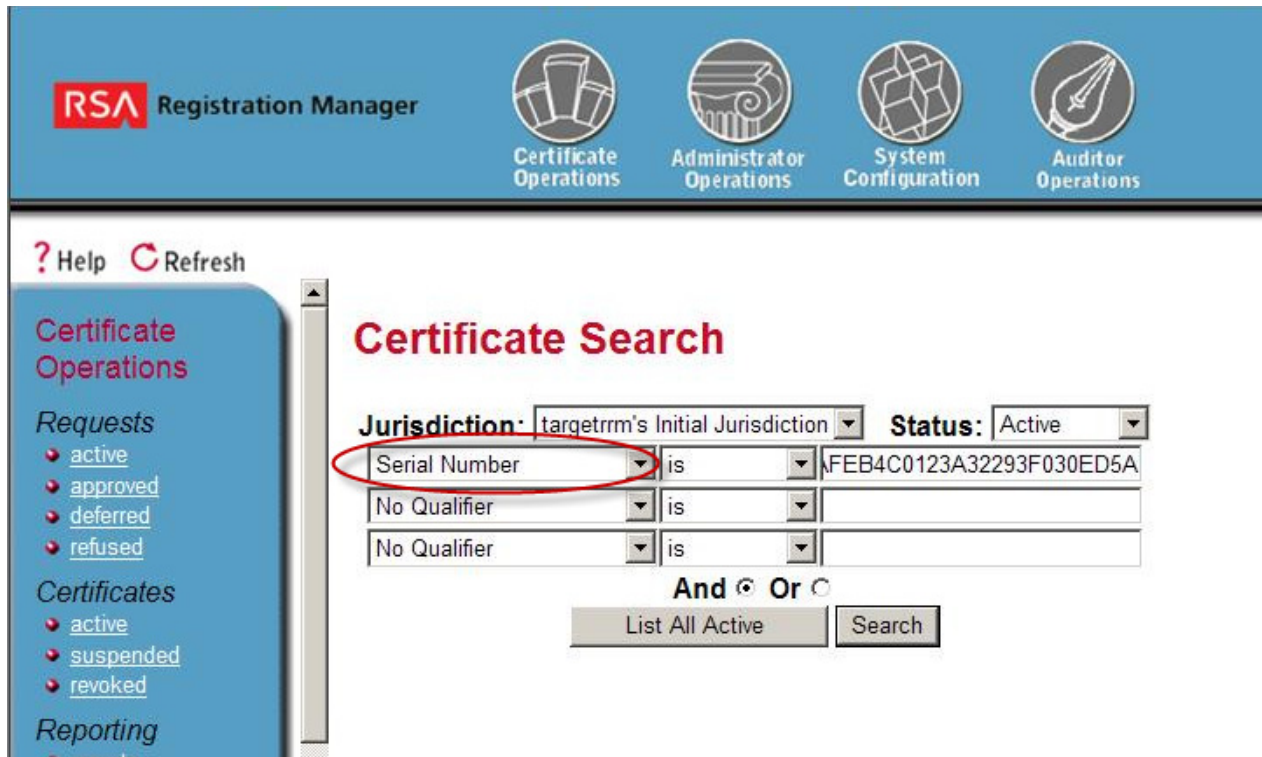
Ability to Search for a Certificate Using the Serial Number

You can now search for a certificate by the serial number using the RSA Registration Manager Administration Server interface.

To search for a certificate by the serial number:

1. On the Registration Manager Administration Server interface, click **Certificate Operations**.
2. Select the **Jurisdiction** and the **Status** of the certificate you are searching for.

- From the search filters, select the qualifier, **Serial Number**.



- Provide the serial number of the certificate in the corresponding text box, and click **Search**.
A link to the certificate that has the specified serial number is displayed.
- Click the link to the certificate.
The certificate opens in a new window.

Package Contents

The RSA Registration Manager 6.9 build553 package contains:

Software

For Windows:

- Media verification file associated with the hotfix:
media.sig
- Files (zipped) associated with the hotfix:
LogServer\bin\xslogmgr.exe
LogServer\bin\xslogsrv.exe
LogServer\bin\xslogsrvStrings.dll
Upgrader\bin\setupSSL.exe
Upgrader\bin\setupSSLStrings.dll
Upgrader\bin\upgrader.exe
Upgrader\bin\xu_ldbmcats.exe
Upgrader\dist\iHttpd.dist

Utils\ppencryption.exe
WebServer\admin-server\ra\about.xuda
WebServer\admin-server\ra\admin\schemaUpdate.xuda
WebServer\admin-server\ra\admin\updateprofiles6.9.xuda
WebServer\admin-server\ra\admin-ops\rekey\racertretrieval.xuda
WebServer\admin-server\ra\admin-ops\rekey\rarekey-main.xuda
WebServer\admin-server\ra\cert-ops\cert-report-results.xuda
WebServer\admin-server\ra\cert-ops\cert-search.html
WebServer\admin-server\ra\cert-ops\req-search.html
WebServer\admin-server\ra\cert-ops\shared\cert-publish.xuda
WebServer\admin-server\ra\cert-ops\shared\get-endEntity-cert.xuda
WebServer\admin-server\ra\config\log-control.xuda
WebServer\admin-server\ra\help\rrm-help.zip
WebServer\bin\apache.exe
WebServer\bin\libapr-1.dll
WebServer\bin\libapriconv-1.dll
WebServer\bin\libaprutil-1.dll
WebServer\bin\libhttpd.dll
WebServer\bin\strongStrings.dll
WebServer\enroll-server\auto-add-msie-request.xuda
WebServer\enroll-server\cert-search-script.xuda
WebServer\enroll-server\exttests.js
WebServer\enroll-server\get-cert.xuda
WebServer\enroll-server\get-endEntity-cert.xuda
WebServer\enroll-server\icontrol.vbs
WebServer\enroll-server\request-dc.xuda
WebServer\enroll-server\request-msie-admin.xuda
WebServer\enroll-server\send-ca-cert.xuda
WebServer\extensions\qualifiedCertificateStatements.xuda
WebServer\images\corner.gif
WebServer\images\enrollbg.gif
WebServer\modules\mod_actions.so
WebServer\modules\mod_alias.so
WebServer\modules\mod_asis.so
WebServer\modules\mod_auth_basic.so
WebServer\modules\mod_authn_alias.so
WebServer\modules\mod_authn_anon.so
WebServer\modules\mod_authn_file.so
WebServer\modules\mod_authz_groupfile.so

WebServer\modules\mod_auth_host.so
WebServer\modules\mod_auth_user.so
WebServer\modules\mod_autoindex.so
WebServer\modules\mod_cgi.so
WebServer\modules\mod_cmp.so
WebServer\modules\mod_dir.so
WebServer\modules\mod_env.so
WebServer\modules\mod_gencert.so
WebServer\modules\mod_imagemap.so
WebServer\modules\mod_include.so
WebServer\modules\mod_isapi.so
WebServer\modules\mod_log_config.so
WebServer\modules\mod_mime.so
WebServer\modules\mod_negotiation.so
WebServer\modules\mod_reqtimeout.so
WebServer\modules\mod_rewrite.so
WebServer\modules\mod_setenvif.so
WebServer\modules\mod_ssl.so
WebServer\modules\mod_userdir.so
WebServer\modules\mod_xdaacl.so
WebServer\modules\xuda_wrapper.dll
WebServer\OneStep\cgi-bin\onestep.exe
WebServer\OneStep\samples\htmldocs\corner.gif
WebServer\OneStep\samples\htmldocs\enroll_msie_flat.html
WebServer\OneStep\samples\htmldocs\enroll_ns_flat.html
WebServer\OneStep\samples\htmldocs\enrollbg.gif
WebServer\OneStep\samples\htmldocs\icontrol.vbs
WebServer\OneStep\samples\htmldocs\install_msie.html
WebServer\OneStep\samples\htmldocs\install_ns.html
WebServer\OneStep\setup\setupSSL.conf
WebServer\OneStep\setup\setupSSL.exe
WebServer\OneStep\setup\setupSSLStrings.dll
WebServer\scripts\CA.js
WebServer\scripts\exttests.js
WebServer\scripts\icontrol.vbs
WebServer\scripts\library.js
WebServer\x-templates\x-construct-domain-form.xuda
WebServer\x-templates\x-email-admin-vettor.xuda
Xudad\bin\xudad.exe

Xudad\bin\xudadStrings.dll

For Solaris:

- Media verification file associated with the hotfix:
media.sig
- Files (tarred) associated with the hotfix:
 - LogServer/bin/xslogmgr**
 - LogServer/bin/xslogsrv**
 - LogServer/bin/xslogsrvStrings.so**
 - Upgrader/bin/setupSSL**
 - Upgrader/bin/setupSSLStrings.so**
 - Upgrader/bin/upgrader**
 - Upgrader/bin/xu_ldbmcats**
 - Upgrader/dist/iHttpd.dist**
 - Utils/ppencryption**
 - WebServer/admin-server/ra/about.xuda**
 - WebServer/admin-server/ra/admin/schemaUpdate.xuda**
 - WebServer/admin-server/ra/admin/updateprofiles6.9.xuda**
 - WebServer/admin-server/ra/admin-ops/rekey/racertretrieval.xuda**
 - WebServer/admin-server/ra/admin-ops/rekey/rarekey-main.xuda**
 - WebServer/admin-server/ra/cert-ops/cert-report-results.xuda**
 - WebServer/admin-server/ra/cert-ops/cert-search.html**
 - WebServer/admin-server/ra/cert-ops/req-search.html**
 - WebServer/admin-server/ra/cert-ops/shared/cert-publish.xuda**
 - WebServer/admin-server/ra/cert-ops/shared/get-endEntity-cert.xuda**
 - WebServer/admin-server/ra/config/log-control.xuda**
 - WebServer/admin-server/ra/help/rrm-help.tar**
 - WebServer/bin/apr.exp**
 - WebServer/bin/aprutil.exp**
 - WebServer/bin/httpd**
 - WebServer/bin/libapr-1.a**
 - WebServer/bin/libapr-1.la**
 - WebServer/bin/libapr-1.so.0**
 - WebServer/bin/libapr-1.so.0.4.5**
 - WebServer/bin/libaprutil-1.a**
 - WebServer/bin/libaprutil-1.la**
 - WebServer/bin/libaprutil-1.so**
 - WebServer/bin/libaprutil-1.so.0**
 - WebServer/bin/libaprutil-1.so.0.4.1**
 - WebServer/bin/libexpat.a**

WebServer/bin/libexpat.la
WebServer/bin/libexpat.so.0
WebServer/bin/libexpat.so.0.5.0
WebServer/bin/libwrapper.so
WebServer/bin/strongStrings.so
WebServer/enroll-server/auto-add-msie-request.xuda
WebServer/enroll-server/cert-search-script.xuda
WebServer/enroll-server/extttests.js
WebServer/enroll-server/get-cert.xuda
WebServer/enroll-server/get-endEntity-cert.xuda
WebServer/enroll-server/iconcontrol.vbs
WebServer/enroll-server/request-dc.xuda
WebServer/enroll-server/request-msie-admin.xuda
WebServer/enroll-server/send-ca-cert.xuda
WebServer/extensions/qualifiedCertificateStatements.xuda
WebServer/images/corner.gif
WebServer/images/enrollbg.gif
WebServer/modules/libwrapper.so
WebServer/modules/mod_cmp.so
WebServer/modules/mod_gencert.so
WebServer/modules/mod_xudaacl.so
WebServer/OneStep/cgi-bin/onestep
WebServer/OneStep/samples/htmldocs/corner.gif
WebServer/OneStep/samples/htmldocs/enroll_msie_flat.html
WebServer/OneStep/samples/htmldocs/enroll_ns_flat.html
WebServer/OneStep/samples/htmldocs/enrollbg.gif
WebServer/OneStep/samples/htmldocs/iconcontrol.vbs
WebServer/OneStep/samples/htmldocs/install_msie.html
WebServer/OneStep/samples/htmldocs/install_ns.html
WebServer/OneStep/setup/setupSSL
WebServer/OneStep/setup/setupSSL.conf
WebServer/OneStep/setup/setupSSLStrings.so
WebServer/scripts/CA.js
WebServer/scripts/extttests.js
WebServer/scripts/iconcontrol.vbs
WebServer/scripts/library.js
WebServer/x-templates/x-construct-domain-form.xuda
WebServer/x-templates/x-email-admin-vettor.xuda
Xudad/bin/xudad

Xudad/bin/xudadStrings.so

For RedHat Linux:

- Media verification file associated with the hotfix:
media.sig
- Files (tarred) associated with the hotfix:
LogServer/bin/xslogmgr
LogServer/bin/xslogsrv
LogServer/bin/xslogsrvStrings.so
Upgrader/bin/setupSSL
Upgrader/bin/setupSSLStrings.so
Upgrader/bin/upgrader
Upgrader/bin/xu_ldbmcats
Upgrader/dist/iHttpd.dist
Utils/ppencryption
WebServer/admin-server/ra/about.xuda
WebServer/admin-server/ra/admin/schemaUpdate.xuda
WebServer/admin-server/ra/admin/updateprofiles6.9.xuda
WebServer/admin-server/ra/admin-ops/rekey/racertretrieval.xuda
WebServer/admin-server/ra/admin-ops/rekey/rarekey-main.xuda
WebServer/admin-server/ra/cert-ops/cert-report-results.xuda
WebServer/admin-server/ra/cert-ops/cert-search.html
WebServer/admin-server/ra/cert-ops/req-search.html
WebServer/admin-server/ra/cert-ops/shared/cert-publish.xuda
WebServer/admin-server/ra/cert-ops/shared/get-endEntity-cert.xuda
WebServer/admin-server/ra/config/log-control.xuda
WebServer/admin-server/ra/help/rrm-help.tar
WebServer/bin/apr.exp
WebServer/bin/aprutil.exp
WebServer/bin/httpd
WebServer/bin/libapr-1.a
WebServer/bin/libapr-1.la
WebServer/bin/libapr-1.so.0
WebServer/bin/libapr-1.so.0.4.5
WebServer/bin/libaprutil-1.a
WebServer/bin/libaprutil-1.la
WebServer/bin/libaprutil-1.so
WebServer/bin/libaprutil-1.so.0
WebServer/bin/libaprutil-1.so.0.4.1
WebServer/bin/libexpat.a

WebServer/bin/libexpat.la
WebServer/bin/libexpat.so.0
WebServer/bin/libexpat.so.0.5.0
WebServer/bin/libwrapper.so
WebServer/bin/strongStrings.so
WebServer/enroll-server/auto-add-msie-request.xuda
WebServer/enroll-server/cert-search-script.xuda
WebServer/enroll-server/extttests.js
WebServer/enroll-server/get-cert.xuda
WebServer/enroll-server/get-endEntity-cert.xuda
WebServer/enroll-server/iconcontrol.vbs
WebServer/enroll-server/request-dc.xuda
WebServer/enroll-server/request-msie-admin.xuda
WebServer/enroll-server/send-ca-cert.xuda
WebServer/extensions/qualifiedCertificateStatements.xuda
WebServer/images/corner.gif
WebServer/images/enrollbg.gif
WebServer/modules/libwrapper.so
WebServer/modules/mod_cmp.so
WebServer/modules/mod_gencert.so
WebServer/modules/mod_xudaacl.so
WebServer/OneStep/cgi-bin/onestep
WebServer/OneStep/samples/htmldocs/corner.gif
WebServer/OneStep/samples/htmldocs/enroll_msie_flat.html
WebServer/OneStep/samples/htmldocs/enroll_ns_flat.html
WebServer/OneStep/samples/htmldocs/enrollbg.gif
WebServer/OneStep/samples/htmldocs/iconcontrol.vbs
WebServer/OneStep/samples/htmldocs/install_msie.html
WebServer/OneStep/samples/htmldocs/install_ns.html
WebServer/OneStep/setup/setupSSL
WebServer/OneStep/setup/setupSSL.conf
WebServer/OneStep/setup/setupSSLStrings.so
WebServer/scripts/CA.js
WebServer/scripts/extttests.js
WebServer/scripts/iconcontrol.vbs
WebServer/scripts/library.js
WebServer/x-templates/x-construct-domain-form.xuda
WebServer/x-templates/x-email-admin-vettor.xuda
Xudad/bin/xudad

Xudad/bin/xudadStrings.so

For SUSE Linux:

- Media verification file associated with the hotfix:
media.sig
- Files (tarred) associated with the hotfix:
 - LogServer/bin/xslogmgr**
 - LogServer/bin/xslogsrv**
 - LogServer/bin/xslogsrvStrings.so**
 - Upgrader/bin/setupSSL**
 - Upgrader/bin/setupSSLStrings.so**
 - Upgrader/bin/upgrader**
 - Upgrader/bin/xu_ldbmcats**
 - Upgrader/dist/iHttpd.dist**
 - Utils/ppencryption**
 - WebServer/admin-server/ra/about.xuda**
 - WebServer/admin-server/ra/admin/schemaUpdate.xuda**
 - WebServer/admin-server/ra/admin/updateprofiles6.9.xuda**
 - WebServer/admin-server/ra/admin-ops/rekey/racertretrieval.xuda**
 - WebServer/admin-server/ra/admin-ops/rekey/rarekey-main.xuda**
 - WebServer/admin-server/ra/cert-ops/cert-report-results.xuda**
 - WebServer/admin-server/ra/cert-ops/cert-search.html**
 - WebServer/admin-server/ra/cert-ops/req-search.html**
 - WebServer/admin-server/ra/cert-ops/shared/cert-publish.xuda**
 - WebServer/admin-server/ra/cert-ops/shared/get-endEntity-cert.xuda**
 - WebServer/admin-server/ra/config/log-control.xuda**
 - WebServer/admin-server/ra/help/rrm-help.tar**
 - WebServer/bin/apr.exp**
 - WebServer/bin/aprutil.exp**
 - WebServer/bin/httpd**
 - WebServer/bin/libapr-1.a**
 - WebServer/bin/libapr-1.la**
 - WebServer/bin/libapr-1.so.0**
 - WebServer/bin/libapr-1.so.0.4.5**
 - WebServer/bin/libaprutil-1.a**
 - WebServer/bin/libaprutil-1.la**
 - WebServer/bin/libaprutil-1.so**
 - WebServer/bin/libaprutil-1.so.0**
 - WebServer/bin/libaprutil-1.so.0.4.1**
 - WebServer/bin/libexpat.a**

WebServer/bin/libexpat.la
WebServer/bin/libexpat.so.0
WebServer/bin/libexpat.so.0.5.0
WebServer/bin/libwrapper.so
WebServer/bin/strongStrings.so
WebServer/enroll-server/auto-add-msie-request.xuda
WebServer/enroll-server/cert-search-script.xuda
WebServer/enroll-server/extttests.js
WebServer/enroll-server/get-cert.xuda
WebServer/enroll-server/get-endEntity-cert.xuda
WebServer/enroll-server/iconcontrol.vbs
WebServer/enroll-server/request-dc.xuda
WebServer/enroll-server/request-msie-admin.xuda
WebServer/enroll-server/send-ca-cert.xuda
WebServer/extensions/qualifiedCertificateStatements.xuda
WebServer/images/corner.gif
WebServer/images/enrollbg.gif
WebServer/modules/libwrapper.so
WebServer/modules/mod_cmp.so
WebServer/modules/mod_gencert.so
WebServer/modules/mod_xudaacl.so
WebServer/OneStep/cgi-bin/onestep
WebServer/OneStep/samples/htmldocs/corner.gif
WebServer/OneStep/samples/htmldocs/enroll_msie_flat.html
WebServer/OneStep/samples/htmldocs/enroll_ns_flat.html
WebServer/OneStep/samples/htmldocs/enrollbg.gif
WebServer/OneStep/samples/htmldocs/iconcontrol.vbs
WebServer/OneStep/samples/htmldocs/install_msie.html
WebServer/OneStep/samples/htmldocs/install_ns.html
WebServer/OneStep/setup/setupSSL
WebServer/OneStep/setup/setupSSL.conf
WebServer/OneStep/setup/setupSSLStrings.so
WebServer/scripts/CA.js
WebServer/scripts/extttests.js
WebServer/scripts/iconcontrol.vbs
WebServer/scripts/library.js
WebServer/x-templates/x-construct-domain-form.xuda
WebServer/x-templates/x-email-admin-vettor.xuda
Xudad/bin/xudad

Xudad/bin/xudadStrings.so

Documentation

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

Note: In the event of a discrepancy, this *Readme* takes precedence over the *Administrator's Guide*, the *Vettor's Guide*, the *Installation Guide*, and the *Help*.

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 **INSTALL_DIRUtils** folder of the Registration Manager installation.
4. From the command prompt in the working directory, type:

```
<path from Registration 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 **INSTALL_DIRUtils** folder of the Registration Manager installation.
4. From the command prompt in the working directory, type:

```
<path from Registration 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 all the tasks mentioned in the section “Preparing to Install” in the chapter “Installing RSA Registration Manager” of the *Installation Guide*, before performing one of the following:

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

Installing the Full Build

If you want to install the full build of RSA Registration Manager 6.9 build553, use the following files that come with this package:

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

For instructions to install Registration Manager, see the *Installation Guide*.

Installing the Hotfix Files

On Windows

This hotfix does not require a new installation of the product, but rather a drop-in replacement of 69 files and addition of 18 files into the appropriate Registration Manager directory and the unzipping of a .zip file to update the Help.

To install RSA Registration Manager 6.9 build553:

1. Stop all Registration Manager services.
2. Unzip the **SSLC_CryptoCME_Libs-WIN32.zip** file provided with this drop-in package.
3. 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
4. Create a backup of the following files (**INSTALL_DIR** is the directory path where Registration Manager is installed):
 - **INSTALL_DIR\LogServer\bin\xslogmgr.exe**
 - **INSTALL_DIR\LogServer\bin\xslogsrv.exe**
 - **INSTALL_DIR\LogServer\bin\xslogsrvStrings.dll**
 - **INSTALL_DIR\Upgrader\bin\setupSSL.exe**
 - **INSTALL_DIR\Upgrader\bin\setupSSLStrings.dll**
 - **INSTALL_DIR\Upgrader\bin\upgrader.exe**
 - **INSTALL_DIR\Upgrader\bin\xu_ldbmcats.exe**
 - **INSTALL_DIR\Upgrader\dist\iHttpd.dist**
 - **INSTALL_DIR\Utils\ppencryption.exe**
 - **INSTALL_DIR\WebServer\admin-server\ra\about.xuda**

- **INSTALL_DIR\WebServer\admin-server\ra\admin\schemaUpdate.xuda**
- **INSTALL_DIR\WebServer\admin-server\ra\admin-ops\rekey\racertretrieval.xuda**
- **INSTALL_DIR\WebServer\admin-server\ra\admin-ops\rekey\rarekey-main.xuda**
- **INSTALL_DIR\WebServer\admin-server\ra\cert-ops\cert-report-results.xuda**
- **INSTALL_DIR\WebServer\admin-server\ra\cert-ops\cert-search.html**
- **INSTALL_DIR\WebServer\admin-server\ra\cert-ops\req-search.html**
- **INSTALL_DIR\WebServer\admin-server\ra\cert-ops\shared\cert-publish.xuda**
- **INSTALL_DIR\WebServer\admin-server\ra\cert-ops\shared\get-endEntity-cert.xuda**
- **INSTALL_DIR\WebServer\admin-server\ra\config\log-control.xuda**
- **INSTALL_DIR\WebServer\admin-server\ra\help\rrm-help.zip**
- **INSTALL_DIR\WebServer\bin\apache.exe**
- **INSTALL_DIR\WebServer\bin\libapr.dll**
- **INSTALL_DIR\WebServer\bin\libapriconv.dll**
- **INSTALL_DIR\WebServer\bin\libaprutil.dll**
- **INSTALL_DIR\WebServer\bin\libhttpd.dll**
- **INSTALL_DIR\WebServer\bin\strongStrings.dll**
- **INSTALL_DIR\WebServer\enroll-server\auto-add-msie-request.xuda**
- **INSTALL_DIR\WebServer\enroll-server\cert-search-script.xuda**
- **INSTALL_DIR\WebServer\enroll-server\exttests.js**
- **INSTALL_DIR\WebServer\enroll-server\get-cert.xuda**
- **INSTALL_DIR\WebServer\enroll-server\get-endEntity-cert.xuda**
- **INSTALL_DIR\WebServer\enroll-server\icontrol.vbs**
- **INSTALL_DIR\WebServer\enroll-server\request-dc.xuda**
- **INSTALL_DIR\WebServer\enroll-server\request-msie-admin.xuda**
- **INSTALL_DIR\WebServer\enroll-server\send-ca-cert.xuda**
- **INSTALL_DIR\WebServer\extensions\qualifiedCertificateStatements.xuda**
- **INSTALL_DIR\WebServer\images\corner.gif**
- **INSTALL_DIR\WebServer\images\enrollbg.gif**
- **INSTALL_DIR\WebServer\modules\mod_access.so**
- **INSTALL_DIR\WebServer\modules\mod_actions.so**
- **INSTALL_DIR\WebServer\modules\mod_alias.so**
- **INSTALL_DIR\WebServer\modules\mod_asis.so**
- **INSTALL_DIR\WebServer\modules\mod_auth.so**
- **INSTALL_DIR\WebServer\modules\mod_auth_anon.so**
- **INSTALL_DIR\WebServer\modules\mod_cgi.so**
- **INSTALL_DIR\WebServer\modules\mod_dir.so**
- **INSTALL_DIR\WebServer\modules\mod_env.so**
- **INSTALL_DIR\WebServer\modules\mod_imap.so**
- **INSTALL_DIR\WebServer\modules\mod_include.so**

- **INSTALL_DIR\WebServer\modules\mod_isapi.so**
 - **INSTALL_DIR\WebServer\modules\mod_log_config.so**
 - **INSTALL_DIR\WebServer\modules\mod_mime.so**
 - **INSTALL_DIR\WebServer\modules\mod_negotiation.so**
 - **INSTALL_DIR\WebServer\modules\mod_rewrite.so**
 - **INSTALL_DIR\WebServer\modules\mod_setenvif.so**
 - **INSTALL_DIR\WebServer\modules\mod_userdir.so**
 - **INSTALL_DIR\WebServer\OneStep\cgi-bin\onestep.exe**
 - **INSTALL_DIR\WebServer\OneStep\samples\htmldocs\corner.gif**
 - **INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_msie_flat.html**
 - **INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_ns_flat.html**
 - **INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enrollbg.gif**
 - **INSTALL_DIR\WebServer\OneStep\samples\htmldocs\icontrol.vbs**
 - **INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_msie.html**
 - **INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_ns.html**
 - **INSTALL_DIR\WebServer\OneStep\setup\setupSSL.conf**
 - **INSTALL_DIR\WebServer\OneStep\setup\setupSSL.exe**
 - **INSTALL_DIR\WebServer\OneStep\setup\setupSSLStrings.dll**
 - **INSTALL_DIR\WebServer\scripts\CA.js**
 - **INSTALL_DIR\WebServer\scripts\exttests.js**
 - **INSTALL_DIR\WebServer\scripts\icontrol.vbs**
 - **INSTALL_DIR\WebServer\scripts\library.js**
 - **INSTALL_DIR\WebServer\x-templates\x-construct-domain-form.xuda**
 - **INSTALL_DIR\WebServer\x-templates\x-email-admin-vettor.xuda**
 - **INSTALL_DIR\Xudad\bin\xudad.exe**
 - **INSTALL_DIR\Xudad\bin\xudadStrings.dll**
5. Copy the zipped file to the **INSTALL_DIR** directory.
 6. Unzip and extract the files ensuring that the new files replace the old files.

Note: If you modified any xuda templates in your Registration Manager installation, you must make those modifications again.

7. To update the Help, in the **INSTALL_DIR\WebServer\admin-server\ra\help** directory, unzip and extract the files from **rrm-help.zip** ensuring that the new files replace the old files.
However, if you are upgrading from RSA Registration Manager 6.9 build551, this is not required.
8. Create a backup of the **httpd.conf** file located at **INSTALL_DIR\Web Server\Conf**, and edit the file as follows:
 - a. Under the section, “Apache Modules compiled into the standard Windows build”, replace the existing “LoadModule files” with the following content:
LoadFile modules/xuda_wrapper.dll
LoadModule actions_module modules/mod_actions.so
LoadModule alias_module modules/mod_alias.so

```

LoadModule asis_module modules/mod_asis.so
LoadModule auth_basic_module modules/mod_auth_basic.so
LoadModule authn_alias_module modules/mod_authn_alias.so
LoadModule authn_anon_module modules/mod_authn_anon.so
LoadModule authn_file_module modules/mod_authn_file.so
LoadModule authz_groupfile_module modules/mod_authz_groupfile.so
LoadModule authz_host_module modules/mod_authz_host.so
LoadModule authz_user_module modules/mod_authz_user.so
LoadModule autoindex_module modules/mod_autoindex.so
LoadModule cgi_module modules/mod_cgi.so
LoadModule dir_module modules/mod_dir.so
LoadModule env_module modules/mod_env.so
LoadModule imagemap_module modules/mod_imagemap.so
LoadModule include_module modules/mod_include.so
LoadModule isapi_module modules/mod_isapi.so
LoadModule log_config_module modules/mod_log_config.so
LoadModule mime_module modules/mod_mime.so
LoadModule negotiation_module modules/mod_negotiation.so
LoadModule reqtimeout_module modules/mod_reqtimeout.so
LoadModule rewrite_module modules/mod_rewrite.so
LoadModule setenvif_module modules/mod_setenvif.so
LoadModule userdir_module modules/mod_userdir.so
LoadModule ssl_module modules/mod_ssl.so
LoadModule gencert_module modules/mod_gencert.so
LoadModule xdaacl_module modules/mod_xdaacl.so
LoadModule cmp_module modules/mod_cmp.so

```

- b. Under "Section 2: 'Main' server configuration", add the following lines:

```

<IfModule mod_reqtimeout.c>
RequestReadTimeout header=20,MinRate=500 body=20,MinRate=500
</IfModule>

```

- c. Search for the line "SSLSessionCache", and uncomment the following line:

```
SSLSessionCache none
```

- d. Comment the following line:

```
SSLSessionCache dbm:logs/ssl_scache
```

9. Save the **httpd.conf** file.

10. Start all Registration Manager services.

11. If you are upgrading from RSA Registration Manager 6.9 build551 or earlier versions to RSA Registration Manager 6.9 build553, to update the profile, go to <https://hostname:admin-port/ra/admin/updateprofiles6.9.xuda>.

The certificate extension profiles are updated.

12. If you are upgrading from RSA Registration Manager 6.9 build551 or earlier versions to RSA Registration Manager 6.9 build553, to update the schema, go to <https://hostname:admin-port/ra/admin/schemaUpdate.xuda>.

The schema is updated.

13. Restart all Registration Manager services.

On Solaris or Linux

This hotfix does not require a new installation of the product, but rather a drop-in replacement of 59 files and addition of 15 files into the appropriate Registration Manager directory, and the untarring of a .tar file to update the Help.

To install RSA Registration Manager 6.9 build553:

1. Stop all Registration Manager services.
2. Create a backup of the following files (*INSTALL_DIR* is the directory path where Registration Manager is installed):
 - *INSTALL_DIR*/LogServer/bin/xslogmgr
 - *INSTALL_DIR*/LogServer/bin/xslogsrv
 - *INSTALL_DIR*/LogServer/bin/xslogsrvStrings.so
 - *INSTALL_DIR*/Upgrader/bin/setupSSL
 - *INSTALL_DIR*/Upgrader/bin/setupSSLStrings.so
 - *INSTALL_DIR*/Upgrader/bin/upgrader
 - *INSTALL_DIR*/Upgrader/bin/xu_ldbmcats
 - *INSTALL_DIR*/Upgrader/dist/iHttpd.dist
 - *INSTALL_DIR*/Utils/ppencryption
 - *INSTALL_DIR*/WebServer/admin-server/ra/about.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/admin/schemaUpdate.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/admin-ops/rekey/racertretrieval.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/admin-ops/rekey/rarekey-main.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/cert-ops/cert-report-results.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/cert-ops/cert-search.html
 - *INSTALL_DIR*/WebServer/admin-server/ra/cert-ops/req-search.html
 - *INSTALL_DIR*/WebServer/admin-server/ra/cert-ops/shared/cert-publish.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/cert-ops/shared/get-endEntity-cert.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/config/log-control.xuda
 - *INSTALL_DIR*/WebServer/admin-server/ra/help/rrm-help.tar
 - *INSTALL_DIR*/WebServer/bin/apr.exp
 - *INSTALL_DIR*/WebServer/bin/aprutil.exp
 - *INSTALL_DIR*/WebServer/bin/httpsd
 - *INSTALL_DIR*/WebServer/bin/libapr-0.a
 - *INSTALL_DIR*/WebServer/bin/libapr-0.la
 - *INSTALL_DIR*/WebServer/bin/libapr-0.so.0
 - *INSTALL_DIR*/WebServer/bin/libapr-0.so.0.9.19
 - *INSTALL_DIR*/WebServer/bin/libaprutil-0.a

- *INSTALL_DIR*/WebServer/bin/libaprutil-0.la
- *INSTALL_DIR*/WebServer/bin/libaprutil-0.so.0
- *INSTALL_DIR*/WebServer/bin/libaprutil-0.so.0.9.19
- *INSTALL_DIR*/WebServer/bin/libexpat.a
- *INSTALL_DIR*/WebServer/bin/libexpat.la
- *INSTALL_DIR*/WebServer/bin/libexpat.so.0
- *INSTALL_DIR*/WebServer/bin/libexpat.so.0.5.0
- *INSTALL_DIR*/WebServer/bin/strongStrings.so
- *INSTALL_DIR*/WebServer/enroll-server/auto-add-msie-request.xuda
- *INSTALL_DIR*/WebServer/enroll-server/cert-search-script.xuda
- *INSTALL_DIR*/WebServer/enroll-server/extttests.js
- *INSTALL_DIR*/WebServer/enroll-server/get-cert.xuda
- *INSTALL_DIR*/WebServer/enroll-server/get-endEntity-cert.xuda
- *INSTALL_DIR*/WebServer/enroll-server/icontrol.vbs
- *INSTALL_DIR*/WebServer/enroll-server/request-dc.xuda
- *INSTALL_DIR*/WebServer/enroll-server/request-msie-admin.xuda
- *INSTALL_DIR*/WebServer/enroll-server/send-ca-cert.xuda
- *INSTALL_DIR*/WebServer/extensions/qualifiedCertificateStatements.xuda
- *INSTALL_DIR*/WebServer/images/corner.gif
- *INSTALL_DIR*/WebServer/images/enrollbg.gif
- *INSTALL_DIR*/WebServer/OneStep/cgi-bin/onestep
- *INSTALL_DIR*/WebServer/OneStep/samples/htmldocs/corner.gif
- *INSTALL_DIR*/WebServer/OneStep/samples/htmldocs/enroll_msie_flat.html
- *INSTALL_DIR*/WebServer/OneStep/samples/htmldocs/enroll_ns_flat.html
- *INSTALL_DIR*/WebServer/OneStep/samples/htmldocs/enrollbg.gif
- *INSTALL_DIR*/WebServer/OneStep/samples/htmldocs/icontrol.vbs
- *INSTALL_DIR*/WebServer/OneStep/samples/htmldocs/install_msie.html
- *INSTALL_DIR*/WebServer/OneStep/samples/htmldocs/install_ns.html
- *INSTALL_DIR*/WebServer/OneStep/setup/setupSSL
- *INSTALL_DIR*/WebServer/OneStep/setup/setupSSL.conf
- *INSTALL_DIR*/WebServer/OneStep/setup/setupSSLStrings.so
- *INSTALL_DIR*/WebServer/scripts/CA.js
- *INSTALL_DIR*/WebServer/scripts/extttests.js
- *INSTALL_DIR*/WebServer/scripts/icontrol.vbs
- *INSTALL_DIR*/WebServer/scripts/library.js
- *INSTALL_DIR*/WebServer/x-templates/x-construct-domain-form.xuda
- *INSTALL_DIR*/WebServer/x-templates/x-email-admin-vettor.xuda
- *INSTALL_DIR*/Xudad/bin/xudad
- *INSTALL_DIR*/Xudad/bin/xudadStrings.so

3. Copy the tar file to the **INSTALL_DIR** directory.
4. Untar and extract the files ensuring that the new files replace the old files.
5. To update the Help, in the **INSTALL_DIR/WebServer/admin-server/ra/help** directory, untar and extract the files from **rrm-help.tar** ensuring that the new files replace the old files.

However, if you are upgrading from RSA Registration Manager 6.9 build551, this is not required.

6. Create a backup of the **httpd.conf** file located at **INSTALL_DIR/Web Server/conf**, and edit the file as follows:
 - a. Under the section, "Dynamic Shared Object (DSO) Support", uncomment the following lines:
LoadModule gencert_module modules/mod_gencert.so
LoadModule xudaacl_module modules/mod_xudaacl.so
 - b. Add the following line after the Load Module, "mod_xudaacl.so":
LoadModule cmp_module modules/mod_cmp.so
 - c. Under "Section 2: 'Main' server configuration", add the following lines:
<IfModule mod_reqtimeout.c>
RequestReadTimeout header=20,MinRate=500 body=20,MinRate=500
</IfModule>
 - d. Search for the line "SSLSessionCache", and uncomment the following line:
SSLSessionCache none
 - e. Comment the following line:
SSLSessionCache dbm:logs/ssl_scache
7. Save the **httpd.conf** file.
8. Ensure that the permissions and ownership of the untarred files match the permissions and ownership of other files in the same directories.

For example, the files in the **/WebServer** directory must be readable by the user and/or group under which the server runs. If you encounter permission problems, change the ownership of the files in the **INSTALL_DIR/WebServer** directory to the user and group under which the Registration Manager Web Server was installed. From the **INSTALL_DIR** directory, type:

```
chown -R <install_user>:<install_group> WebServer
```

Note: If you modified any xuda templates in your Registration Manager installation, you must make those modifications again.

9. Start all Registration Manager services.
10. If you are upgrading from RSA Registration Manager 6.9 build551 or earlier versions to RSA Registration Manager 6.9 build553, to update the profile, go to <https://hostname:admin-port/ra/admin/updateprofiles6.9.xuda>.
The certificate extension profiles are updated.
11. If you are upgrading from RSA Registration Manager 6.9 build551 or earlier versions to RSA Registration Manager 6.9 build553, to update the schema, go to <https://hostname:admin-port/ra/admin/schemaUpdate.xuda>.
The schema is updated.
12. Restart all Registration Manager services.

Fixed Issues

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

Tracking Number	Description	Resolution
REGMGR-311	The Administration Server of Registration Manager was vulnerable to a Slowloris attack. In this type of attack, multiple connections were opened to the Server and held for a long time by sending subsequent HTTP headers to the request, without completing any request. This consumed the maximum number of connections allowed for the Administration Server, and thus denied additional connections.	This issue is resolved in RSA Registration Manager 6.9 build553 by adding a new module, "mod_reqtimeout", and configuring the httpd.conf file with a default timeout value as follows: <pre><IfModule mod_reqtimeout.c> RequestReadTimeout header=20, MinRate=500 body=20, MinRate=500 </IfModule></pre>
CERTMGR-3900	When you configured a Jurisdiction to send email notifications to all vettors, Registration Manager sent the email notifications to all the vettors irrespective of the Jurisdiction assigned to each vettor.	In RSA Registration Manager 6.9 build553, if a certificate request is made for a Jurisdiction, and if the Jurisdiction is configured to send email notifications to All Vettors , an email notification is sent only to the vettors assigned to that Jurisdiction.
Fixed in build551		
CERTMGR-3935	When a certificate was downloaded from the Enrollment Server, the filename began with a quotation mark (").	This issue is resolved in RSA Registration Manager 6.9 build551.
CERTMGR-4017	When a certificate was downloaded from the Enrollment Server in p7b format using Internet Explorer, the full certificate chain was not downloaded.	This issue is resolved in RSA Registration Manager 6.9 build551.
CERTMGR-4030 CERTMGR-4069	Apache 2.0.64 had several vulnerabilities: CVE-2011-3607 CVE-2011-3192 CVE-2012-0053 For information about these vulnerabilities, go to http://web.nvd.nist.gov/view/vuln/search and search by CVE ID.	In RSA Registration Manager 6.9 build551, the Apache Web Server is updated to fix these vulnerabilities.
CERTMGR-4032	WebServer\enroll-server\icontrol.vbs and WebServer\OneStep\htmldocs\icontrol.vbs did not contain the code that allows Administrators to set the default key size on the Enrollment Server to 2048 for users on Windows Vista, Windows 7, or Windows Server 2008.	In RSA Registration Manager 6.9 build551, WebServer\enroll-server\icontrol.vbs and WebServer\OneStep\htmldocs\icontrol.vbs are updated to add the default key size of 2048 for certificate enrollment. For instructions on changing the default key size, see the <i>Administrator's Guide</i> .

Known Issues

The following table describes the issues that remain unresolved in this release. Wherever a workaround or fix is available, it has been noted or referenced in detail.

Title	Description	Workaround (if available)
Installation of Registration Manager using the Mozilla Firefox browser is not possible. CERTMGR-4173	When you install Registration Manager using Firefox, the browser fails to trust the default SSL Cipher used by Registration Manager. Hence, you cannot complete the installation.	While installing RSA Certificate Manager 6.9 build553, modify the default values of the SSL Cipher Suite and the SSL Cipher as follows: <ol style="list-style-type: none"> 1. Open the following files: <ul style="list-style-type: none"> • iws/dist/iws.conf • WebServer/dist/scep.conf • WebServer/dist/admin.conf • WebServer/dist/enroll.conf 2. Comment the following line: "SSLCipherSuite ALL:!ADH:!EXPORT56:RC4+RSA:+HIGH:+MEDIUM:+LOW:SSLv2:+EXP:+eNULL" 3. Add the following lines: SSLCipherSuite AES256-SHA SSLProtocol +TLSv1

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