

Readme

RSA® OneStep 6.9 build557



August 22, 2014

Introduction

This document includes installation information, as well as workarounds for known issues in RSA® OneStep 6.9 build557. Read this document before installing the software. This document contains the following sections:

- [New Features](#)
- [Enhanced Functionality](#)
- [Existing Features](#)
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- [Support and Service](#)

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

New Features

There are no new features in this release of RSA OneStep6.9 build557

Enhanced Functionality

Support for nCipher security world with AES (SP800-131) algorithm

RSA OneStep 6.9 build 557 now supports nCipher security world with AES (SP800-131) algorithm. RSA OneStep 6.9 build 557 is updated with nCipher libraries v11.62

Upgrade Libraries

The following embedded components of RSA OneStep have been upgraded to the most recent secure versions:

- RSA BSAFE SSL-C 2.8.9.0.1
-

Existing Features

This section describes the features introduced or enhanced in the previous releases.

Upgrade Libraries

The following embedded components of RSA OneStep have been upgraded to the most recent secure versions:

- RSA BSAFE SSL-C 2.8.9

Support for Internet Explorer 10

RSA OneStep 6.9 build 555 supports Internet Explorer 10 for certificate enrollment on Windows 2008 and Windows 8 platforms.

Support for new Platforms

RSA OneStep 6.9 build555 can be installed on Red Hat Enterprise Linux (RHEL) 6.3 64-bit operating system. You must install the following libraries while installing the operating system:

- libstdc++.so.
- Compatible libraries

These libraries can be installed from the following packages available in the Red Hat Linux 6.3 installation CD:

- libstdc++-4.4.6-4.el6.i686.rpm

Support for VMWare ESXi v5.1

RSA OneStep 6.9 build 555 is supported on VMware ESXi Server 5.1 for the following platforms:

- Windows Server 2003 with Service Pack 2
- Windows Server 2008 with Service Pack 2
- Windows Server 2008 R2 64-bit with Service Pack 1
- Red Hat Enterprise Linux 5.5/6.3
- SUSE Linux Enterprise Server 11 Service Pack 1

RSA OneStep supports the following features on VMware ESXi Server 5.1

- Cloning
- Snapshots

Note: RSA OneStep 6.9 build557 has been tested with network-based hardware security modules (HSMs), such as SafeNet LunaSA and nCipher netHSM, with guest operating systems running on VMware ESXi Server 5.1. RSA OneStep is not tested with PCI-based or SCSI-based HSMs.

Package Contents

The RSA OneStep 6.9 build557 software is packaged with the RSA Certificate Manager 6.9 build557 and RSA Registration Manager 6.9 build557 software.

Software

For Windows:

- Media verification file associated with the hotfix:
media.sig
- Files (zipped) associated with the hotfix (included in RSA Certificate Manager 6.9 build557 and RSA Registration Manager 6.9 build557):
 - WebServer\OneStep\cgi-bin\onestep.exe
 - WebServer\OneStep\samples\htmldocs\corner.gif
 - WebServer\OneStep\samples\htmldocs\enroll_lotus.html
 - WebServer\OneStep\samples\htmldocs\enroll_msie_ace.html
 - WebServer\OneStep\samples\htmldocs\enroll_msie_flat.html
 - WebServer\OneStep\samples\htmldocs\enroll_msie_ldap.html
 - WebServer\OneStep\samples\htmldocs\enroll_ns_flat.html
 - WebServer\OneStep\samples\htmldocs\enrollbg.gif
 - WebServer\OneStep\samples\htmldocs\error.html

WebServer\OneStep\samples\htmldocs\icontrol.vbs
WebServer\OneStep\samples\htmldocs\index_lotus.html
WebServer\OneStep\samples\htmldocs\install_lotus.html
WebServer\OneStep\samples\htmldocs\install_msie.html
WebServer\OneStep\samples\htmldocs\install_ns.html
WebServer\OneStep\samples\htmldocs\success_msie.html
WebServer\OneStep\setup\setupSSL.conf
WebServer\OneStep\setup\setupSSL.exe
WebServer\OneStep\setup\setupSSLStrings.dll

For Solaris, RedHat Linux and SUSE Linux:

- Media verification file associated with the hotfix:
media.sig
- Files (tarred) associated with the hotfix (included in RSA Certificate Manager 6.9 build557 and RSA Registration Manager 6.9 build557):

WebServer/OneStep/cgi-bin/onestep
WebServer/OneStep/samples/htmldocs/corner.gif
WebServer/OneStep/samples/htmldocs/enroll_lotus.html
WebServer/OneStep/samples/htmldocs/enroll_msie_ace.html
WebServer/OneStep/samples/htmldocs/enroll_msie_flat.html
WebServer/OneStep/samples/htmldocs/enroll_msie_ldap.html
WebServer/OneStep/samples/htmldocs/enroll_ns_flat.html
WebServer/OneStep/samples/htmldocs/enrollbg.gif
WebServer/OneStep/samples/htmldocs/error.html
WebServer/OneStep/samples/htmldocs/icontrol.vbs
WebServer/OneStep/samples/htmldocs/index_lotus.html
WebServer/OneStep/samples/htmldocs/install_lotus.html
WebServer/OneStep/samples/htmldocs/install_msie.html
WebServer/OneStep/samples/htmldocs/install_ns.html
WebServer/OneStep/samples/htmldocs/success_msie.html
WebServer/OneStep/setup/setupSSL
WebServer/OneStep/setup/setupSSL.conf
WebServer/OneStep/setup/setupSSLStrings.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 *Developer's Guide*.

Installation

The hotfix files are installed in the relevant OneStep directories when you install RSA Certificate Manager 6.9 build557 or RSA Registration Manager 6.9 build557. If your OneStep deployment is not hosted by the Certificate Manager or Registration Manager Web Server, use the following procedure to copy the updated sample files into the `ONESTEP_INSTALL_DIR` directory.

Note: The hot fix files can be installed on any of the previous RSA OneStep 6.9 installation.

On Windows

This hotfix does not require a new installation of the product, but rather a drop-in replacement of 18 files into the appropriate directory in your OneStep deployment.

To install RSA OneStep 6.9 build557:

1. Stop all the web server services.
2. Create a backup of the following files (`ONESTEP_INSTALL_DIR` is the directory path where OneStep is installed):
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\cgi-bin\onestep.exe`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\corner.gif`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_lotus.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_msie_ace.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_msie_flat.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_msie_ldap.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_ns_flat.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enrollbg.gif`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\error.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\icontrol.vbs`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\index_lotus.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_lotus.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_msie.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_ns.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\success_msie.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\setup\setupSSL.conf`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\setup\setupSSL.exe`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\setup\setupSSLStrings.dll`
3. Copy the following files from Certificate Manager or Registration Manager to the corresponding `ONESTEP_INSTALL_DIR` directory, ensuring that the new files replace the old files:
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\cgi-bin\onestep.exe`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\corner.gif`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_lotus.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_msie_ace.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_msie_flat.html`
 - `ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_msie_ldap.html`

- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enroll_ns_flat.html
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\enrollbg.gif
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\error.html
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\icontrol.vbs
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\index_lotus.html
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_lotus.html
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_msie.html
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\install_ns.html
- ONESTEP_INSTALL_DIR\WebServer\OneStep\samples\htmldocs\success_msie.html
- ONESTEP_INSTALL_DIR\WebServer\OneStep\setup\setupSSL.conf
- ONESTEP_INSTALL_DIR\WebServer\OneStep\setup\setupSSL.exe
- ONESTEP_INSTALL_DIR\WebServer\OneStep\setup\setupSSLStrings.dll

For example, copy the `icontrol.vbs` file from the `WebServer\OneStep\samples\htmldocs` directory on Certificate Manager to the `ONESTEP_INSTALL_DIR\samples\htmldocs` directory.

4. Install the Microsoft Visual C++ 2005 SP1 Redistributable Package on the target machines. The Redistributable Package `vcredist_x86.exe` is available at Certificate Manager or Registration Manager < `INSTALL_DIR>\Utils` folder.
5. Unzip the `SSLC_CryptoCME_Libs-WIN32.zip` file provided with RSA Certificate Manager 6.9 build557 or RSA Registration Manager 6.9 build557 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`
7. Start all web server services.

On Solaris or Linux

This hotfix does not require a new installation of the product, but rather a drop-in replacement of 18 files into the appropriate directory in your OneStep deployment.

To install RSA OneStep 6.9 build557:

1. Stop all web server services.
2. Create a backup of the following files (`ONESTEP_INSTALL_DIR` is the directory path where OneStep is installed):
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/cgi-bin/onestep`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/corner.gif`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_lotus.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_msie_ace.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_msie_flat.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_msie_ldap.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_ns_flat.html`

- `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enrollbg.gif`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/error.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/icontrol.vbs`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/index_lotus.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/install_lotus.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/install_msie.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/install_ns.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/success_msie.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/setup/setupSSL`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/setup/setupSSL.conf`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/setup/setupSSLStrings.so`
3. Copy the following files from Certificate Manager or Registration Manager to the corresponding `ONESTEP_INSTALL_DIR` directory, ensuring that the new files replace the old files:
- `ONESTEP_INSTALL_DIR/WebServer/OneStep/cgi-bin/onestep`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/corner.gif`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_lotus.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_msie_ace.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_msie_flat.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_msie_ldap.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enroll_ns_flat.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/enrollbg.gif`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/error.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/icontrol.vbs`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/index_lotus.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/install_lotus.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/install_msie.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/install_ns.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/samples/htmldocs/success_msie.html`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/setup/setupSSL`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/setup/setupSSL.conf`
 - `ONESTEP_INSTALL_DIR/WebServer/OneStep/setup/setupSSLStrings.so`

For example, copy the `icontrol.vbs` file from the `WebServer/OneStep/samples/htmldocs` directory on Certificate Manager to the `ONESTEP_INSTALL_DIR/samples/htmldocs` directory.

4. Ensure that the permissions and ownership of the new files match the permissions and ownership of other files in the same directories.

For example, the files in the `/OneStep` 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 `ONESTEP_INSTALL_DIR` directory to the user and group under which the OneStep web server was installed. From the `ONESTEP_INSTALL_DIR` directory, type:

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

5. Extract the following tar file provided with RSA Certificate Manager 6.9 build557 or RSA Registration Manager 6.9 build557 drop-in package.

- For Redhat Linux, SSLC_CryptoCME_Libs-RH_Linux.tar.
 - For SUSE Linux, SSLC_CryptoCME_Libs-SuSE_Linux.tar.
 - For Solaris, SSLC_CryptoCME_Libs-sparc-sun-solaris.tar.
6. Replace the following files located at /usr/lib folder with the ones in the untarred folder:
- libccme_base.so
 - libccme_ecc.so
 - libccme_eccaccel.so
 - libcryptocme2.so
 - cryptocme2.sig

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

7. Start all web server services.

Fixed Issues

This section lists the issues that have been fixed in the previous releases.

Tracking Number	Description	Resolution
Fixed in build555		
ONESTEP-97	RSA OneStep is looking for non-existent files: enrollbg.gif and corner.gif	This issue is resolved in RSA Certificate Manager 6.9 build 555.
Fixed in build553		
CERTMGR-4112	When you requested for an end-entity certificate on the RSA OneStep enrollment page, if the browser did not trust the CA, OneStep prompted you to install the root CA certificate, before installing the end-entity certificate. Once you installed the root CA certificate, OneStep installed the end-entity certificate, along with the entire CA chain.	<p>RSA OneStep 6.9 build553 enables you to choose whether the entire CA chain is installed in the browser.</p> <p>A new configurable parameter named <i>KCSOSD_P7_X509_EXCLUDE_CHAIN</i> is introduced for this purpose.</p> <ul style="list-style-type: none"> • If you set the value of <i>KCSOSD_P7_X509_EXCLUDE_CHAIN</i> to “yes”, the certificate is installed without the entire CA chain. • If you set the value of <i>KCSOSD_P7_X509_EXCLUDE_CHAIN</i> to “no”, the certificate is installed with the entire CA chain.
Fixed in build551		
CERTMGR-4032	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.	<p>In RSA OneStep 6.9 build551, WebServer\OneStep\htmldocs\icontrol.vbs is updated to add the default key size of 2048 for certificate enrollment.</p> <p>For instructions on changing the default key size, see the <i>RSA Certificate Manager Administrator's Guide</i>.</p>

Support and Service

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