

Readme

RSA Validation Manager 3.1

Drop-In Upgrade

October 16, 2007

Introduction

This document describes the package contents and installation procedure for the RSA Validation Manager 3.1 drop-in upgrade. Read this document before installing the software. This document contains the following sections:

- [Package Contents](#)
- [Distribution Media Verification](#)
- [Installation](#)
- [Getting Support and Service](#)

Important: This software can be applied as a drop-in upgrade to RSA Validation Manager 3.0 build100 and later. If you are using RSA Validation Manager 3.0 build31 or build32, you must use the upgrade procedure described in the *Installation Guide*.

Package Contents

The RSA Validation Manager 3.1 drop-in upgrade package contains:

Software

For Windows:

- Media verification files associated with the upgrade:

media.sig
Util\mediaverify.exe

- Files (zipped) associated with the upgrade:

Audit\vmauditlogverify.exe
GUIserver\webapps\vmadmin\html\en_US\about.htm
GUIserver\webapps\vmadmin\WEB-INF\lib\jppdialog.dll
GUIserver\webapps\vmadmin\WEB-INF\classes\i18n\en_US\global_en_US.properties
GUIserver\webapps\vmadmin\jsp\incFormCompAddRemove.jsp
SystemCA\SystemCA.exe
Util\changepp.exe
Util\db_recover.exe
Util\vmupgradedb.exe
ValidationServer\bin\ab.exe
ValidationServer\bin\Apache.exe
ValidationServer\bin\ApacheMonitor.exe
ValidationServer\bin\EventLogMessages_ENU.dll
ValidationServer\bin\htdbm.exe
ValidationServer\bin\htdigest.exe
ValidationServer\bin\htpasswd.exe
ValidationServer\bin\libapr.dll
ValidationServer\bin\libapricnv.dll
ValidationServer\bin\libaprutil.dll
ValidationServer\bin\libeay32.dll
ValidationServer\bin\libhttpd.dll
ValidationServer\bin\logresolve.exe
ValidationServer\bin\msvcr70.dll

ValidationServer\bin\nsldap32v30.dll
ValidationServer\bin\openssl.exe
ValidationServer\bin\ppdialog.exe
ValidationServer\bin\ppprompt.exe
ValidationServer\bin\rotatelog.exe
ValidationServer\bin\ssleay32.dll
ValidationServer\bin\svcreqs.exe
ValidationServer\bin\wintty.exe
ValidationServer\lib\apr.lib
ValidationServer\lib\apr_src.pdb
ValidationServer\lib\aprrutil.lib
ValidationServer\lib\aprrutil_src.pdb
ValidationServer\lib\auditlog.dll
ValidationServer\lib\diavolo.dll
ValidationServer\lib\libapr.exp
ValidationServer\lib\libapr.lib
ValidationServer\lib\libapricnv.exp
ValidationServer\lib\libapricnv.lib
ValidationServer\lib\libaprrutil.exp
ValidationServer\lib\libaprrutil.lib
ValidationServer\lib\libhttpd.exp
ValidationServer\lib\libhttpd.lib
ValidationServer\lib\mod_dav.exp
ValidationServer\lib\mod_dav.lib
ValidationServer\lib\ncipherSSL.dll
ValidationServer\lib\ocsp.dll
ValidationServer\lib\papi.dll
ValidationServer\lib\pcre.lib
ValidationServer\lib\pcre_src.pdb
ValidationServer\lib\pcreposix.lib
ValidationServer\lib\pcreposix_src.pdb
ValidationServer\lib\vs.dll
ValidationServer\lib\xml.lib
ValidationServer\lib\xml_src.pdb
ValidationServer\modules\mod_access.pdb
ValidationServer\modules\mod_access.so
ValidationServer\modules\mod_actions.pdb
ValidationServer\modules\mod_actions.so
ValidationServer\modules\mod_alias.pdb
ValidationServer\modules\mod_alias.so
ValidationServer\modules\mod_asis.pdb
ValidationServer\modules\mod_asis.so
ValidationServer\modules\mod_auditlog.so
ValidationServer\modules\mod_auth.pdb
ValidationServer\modules\mod_auth.so
ValidationServer\modules\mod_auth_anon.pdb
ValidationServer\modules\mod_auth_anon.so
ValidationServer\modules\mod_auth_dbm.pdb
ValidationServer\modules\mod_auth_dbm.so
ValidationServer\modules\mod_auth_digest.pdb
ValidationServer\modules\mod_auth_digest.so
ValidationServer\modules\mod_auth_ldap.pdb
ValidationServer\modules\mod_auth_ldap.so
ValidationServer\modules\mod_autoindex.pdb
ValidationServer\modules\mod_autoindex.so
ValidationServer\modules\mod_cache.pdb
ValidationServer\modules\mod_cache.so
ValidationServer\modules\mod_cern_meta.pdb
ValidationServer\modules\mod_cern_meta.so
ValidationServer\modules\mod_cgi.pdb
ValidationServer\modules\mod_cgi.so

ValidationServer\modules\mod_charset_lite.pdb
ValidationServer\modules\mod_charset_lite.so
ValidationServer\modules\mod_dav.pdb
ValidationServer\modules\mod_dav.so
ValidationServer\modules\mod_dav_fs.pdb
ValidationServer\modules\mod_dav_fs.so
ValidationServer\modules\mod_dir.pdb
ValidationServer\modules\mod_dir.so
ValidationServer\modules\mod_disk_cache.pdb
ValidationServer\modules\mod_disk_cache.so
ValidationServer\modules\mod_env.pdb
ValidationServer\modules\mod_env.so
ValidationServer\modules\mod_expires.pdb
ValidationServer\modules\mod_expires.so
ValidationServer\modules\mod_ext_filter.pdb
ValidationServer\modules\mod_ext_filter.so
ValidationServer\modules\mod_file_cache.pdb
ValidationServer\modules\mod_file_cache.so
ValidationServer\modules\mod_headers.pdb
ValidationServer\modules\mod_headers.so
ValidationServer\modules\mod_imap.pdb
ValidationServer\modules\mod_imap.so
ValidationServer\modules\mod_include.pdb
ValidationServer\modules\mod_include.so
ValidationServer\modules\mod_info.pdb
ValidationServer\modules\mod_info.so
ValidationServer\modules\mod_isapi.pdb
ValidationServer\modules\mod_isapi.so
ValidationServer\modules\mod_jk2-2.0.43.dll
ValidationServer\modules\mod_log_config.pdb
ValidationServer\modules\mod_log_config.so
ValidationServer\modules\mod_log_forensic.pdb
ValidationServer\modules\mod_log_forensic.so
ValidationServer\modules\mod_logio.pdb
ValidationServer\modules\mod_logio.so
ValidationServer\modules\mod_mem_cache.pdb
ValidationServer\modules\mod_mem_cache.so
ValidationServer\modules\mod_mime.pdb
ValidationServer\modules\mod_mime.so
ValidationServer\modules\mod_mime_magic.pdb
ValidationServer\modules\mod_mime_magic.so
ValidationServer\modules\mod_negotiation.pdb
ValidationServer\modules\mod_negotiation.so
ValidationServer\modules\mod_ocsp.so
ValidationServer\modules\mod_pipeline.so
ValidationServer\modules\mod_pmp.so
ValidationServer\modules\mod_proxy.pdb
ValidationServer\modules\mod_proxy.so
ValidationServer\modules\mod_proxy_connect.pdb
ValidationServer\modules\mod_proxy_connect.so
ValidationServer\modules\mod_proxy_ftp.pdb
ValidationServer\modules\mod_proxy_ftp.so
ValidationServer\modules\mod_proxy_http.pdb
ValidationServer\modules\mod_proxy_http.so
ValidationServer\modules\mod_rewrite.pdb
ValidationServer\modules\mod_rewrite.so
ValidationServer\modules\mod_setenvif.pdb
ValidationServer\modules\mod_setenvif.so
ValidationServer\modules\mod_speling.pdb
ValidationServer\modules\mod_speling.so
ValidationServer\modules\mod_ssl.pdb

ValidationServer\modules\mod_ssl.so
ValidationServer\modules\mod_status.pdb
ValidationServer\modules\mod_status.so
ValidationServer\modules\mod_unique_id.pdb
ValidationServer\modules\mod_unique_id.so
ValidationServer\modules\mod_userdir.pdb
ValidationServer\modules\mod_userdir.so
ValidationServer\modules\mod_usertrack.pdb
ValidationServer\modules\mod_usertrack.so
ValidationServer\modules\mod_version.pdb
ValidationServer\modules\mod_version.so
ValidationServer\modules\mod_vhost_alias.pdb
ValidationServer\modules\mod_vhost_alias.so
ValidationServer\modules\mod_vs.so
ValidationServer\modules\util_ldap.pdb
ValidationServer\modules\util_ldap.so
Util\help\SetOCSPSettingsCommand.txt
Util\help\SetAuditEventCommand.txt
Util\help\SetAuditLogRolloverIntervalCommand.txt
Util\help\SetAuditLogSigningIntervalCommand.txt
Util\help\GetCertRequestCommand.txt
Util\help\ImportCACCommand.txt
VERSION.txt
394 files in the \GUIServer\webapps\vmadmin\help\en_US directory

For Solaris:

- Media verification files associated with the upgrade:

media.sig
Util/mediaverify

- Files (tarred) associated with the upgrade:

Audit/vmauditlogverify
GUIServer/webapps/vmadmin/html/en_US/about.htm
GUIServer/webapps/vmadmin/WEB-INF/lib/libjppdialog.so
GUIServer/webapps/vmadmin/WEB-INF/classes/i18n/en_US/global_en_US.properties
GUIServer/webapps/vmadmin/jsp/incFormCompAddRemove.jsp
SystemCA/SystemCA
Util/changepp
Util/db_recover
Util/vmupgradedb
ValidationServer/bin/ppprompt
ValidationServer/bin/ppdialog
ValidationServer/bin/start-ocsp
ValidationServer/bin/stop-ocsp
ValidationServer/bin/httpd
ValidationServer/lib/apr.exp
ValidationServer/lib/libapr-0.so
ValidationServer/lib/libaprutil-0.la.original
ValidationServer/lib/libdiavolo.so
ValidationServer/lib/libexpat.so.0
ValidationServer/lib/libvs.so
ValidationServer/lib/aprutil.exp
ValidationServer/lib/libapr-0.so.0
ValidationServer/lib/libaprutil-0.so
ValidationServer/lib/libexpat.a
ValidationServer/lib/libexpat.so.0.1.0
ValidationServer/lib/libapr-0.a
ValidationServer/lib/libapr-0.so.0.9.12
ValidationServer/lib/libaprutil-0.so.0

ValidationServer/lib/libexpat.la
ValidationServer/lib/libncipherSSL.so
ValidationServer/lib/libapr-0.la
ValidationServer/lib/libaprutil-0.a
ValidationServer/lib/libaprutil-0.so.0.9.12
ValidationServer/lib/libexpat.la.original
ValidationServer/lib/libocsp.so
ValidationServer/lib/libapr-0.la.original
ValidationServer/lib/libaprutil-0.la
ValidationServer/lib/libauditlog.so
ValidationServer/lib/libexpat.so
ValidationServer/lib/libpapi.so
ValidationServer/modules/httpd.exp
ValidationServer/modules/mod_auditlog.so
ValidationServer/modules/mod_jk2-2.0.43.so
ValidationServer/modules/mod_ocsp.so
ValidationServer/modules/mod_pipeline.so
ValidationServer/modules/mod_pmp.so
ValidationServer/modules/mod_vs.so
Util/help/SetOCSPSettingsCommand.txt
Util/help/SetAuditEventCommand.txt
Util/help/SetAuditLogRolloverIntervalCommand.txt
Util/help/SetAuditLogSigningIntervalCommand.txt
Util/help/GetCertRequestCommand.txt
Util/help/ImportCACCommand.txt
VERSION.txt
394 files in the /GUIServer/webapps/vmadmin/help/en_US directory

Documentation

Product documentation comprises printable PDF files of the following documents:

- *RSA Validation Manager Getting Started*
- *RSA Validation Manager 3.1 Drop-In Upgrade Readme*
- *RSA Validation Manager 3.1 Readme*
- *RSA Validation Manager Installation Guide*
- *RSA Validation Manager Administrator's Guide*
- *RSA Validation Manager Command Line Reference Manual*

Distribution Media Verification

Media verification enables you to verify that the distribution media has not been altered since it was signed by RSA.

On Windows

To verify the download package:

1. From the FTP server, download the download package.
2. Unzip the download package into an empty working directory (for example, C:\temp\verifyPath\).
3. Locate the **mediaverify.exe** executable in the \Util folder of the working directory.
4. From the command prompt in the working directory, type:

```
<path from the download package>\Util\mediaverify.exe .
```

5. Review 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.

If verification is successful, you see output like the example shown in Appendix D of the *Installation Guide*.

On Solaris

To verify the download package:

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

```
<path from the download package>/Util/mediaverify .
```
5. Review 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.

If verification is successful, you see output like the example shown in Appendix D of the *Installation Guide*.

Installation

On Windows

This upgrade does not require a new installation of the product, but rather a drop-in replacement of 562 files into the appropriate Validation Manager directory.

To install RSA Validation Manager 3.1:

1. Stop all Validation Manager services.
2. Back up the following files (**INSTALL_DIR** is the directory path where Validation Manager is installed):
 - **INSTALL_DIR\Audit\vmauditlogverify.exe**
 - **INSTALL_DIR\GUIServer\webapps\vmadmin\html\en_US\about.htm**
 - **INSTALL_DIR\GUIServer\webapps\vmadmin\WEB-INF\lib\jppdialog.dll**
 - **INSTALL_DIR\GUIServer\webapps\vmadmin\WEB-INF\classes\i18n\en_US\global_en_US.properties**
 - **INSTALL_DIR\GUIServer\webapps\vmadmin\jsp\incFormCompAddRemove.jsp**
 - **INSTALL_DIR\SystemCA\SystemCA.exe**
 - **INSTALL_DIR\Util\changepp.exe**
 - **INSTALL_DIR\Util\db_recover.exe**
 - **INSTALL_DIR\Util\vmupgradedb.exe**
 - **INSTALL_DIR\ValidationServer\bin\lab.exe**
 - **INSTALL_DIR\ValidationServer\bin\Apache.exe**
 - **INSTALL_DIR\ValidationServer\bin\ApacheMonitor.exe**
 - **INSTALL_DIR\ValidationServer\bin\EventLogMessages_ENU.dll**
 - **INSTALL_DIR\ValidationServer\bin\htdbm.exe**
 - **INSTALL_DIR\ValidationServer\bin\htdigest.exe**

- **INSTALL_DIR\ValidationServer\bin\htpasswd.exe**
- **INSTALL_DIR\ValidationServer\bin\libapr.dll**
- **INSTALL_DIR\ValidationServer\bin\libapriconv.dll**
- **INSTALL_DIR\ValidationServer\bin\libaprutil.dll**
- **INSTALL_DIR\ValidationServer\bin\libeay32.dll**
- **INSTALL_DIR\ValidationServer\bin\libhttpd.dll**
- **INSTALL_DIR\ValidationServer\bin\logresolve.exe**
- **INSTALL_DIR\ValidationServer\bin\msvcr70.dll**
- **INSTALL_DIR\ValidationServer\bin\nsldap32v30.dll**
- **INSTALL_DIR\ValidationServer\bin\openssl.exe**
- **INSTALL_DIR\ValidationServer\bin\ppdialog.exe**
- **INSTALL_DIR\ValidationServer\bin\ppprompt.exe**
- **INSTALL_DIR\ValidationServer\bin\rotatelogs.exe**
- **INSTALL_DIR\ValidationServer\bin\ssleay32.dll**
- **INSTALL_DIR\ValidationServer\bin\svcreqs.exe**
- **INSTALL_DIR\ValidationServer\bin\wintty.exe**
- **INSTALL_DIR\ValidationServer\lib\apr.lib**
- **INSTALL_DIR\ValidationServer\lib\apr_src.pdb**
- **INSTALL_DIR\ValidationServer\lib\aprutil.lib**
- **INSTALL_DIR\ValidationServer\lib\aprutil_src.pdb**
- **INSTALL_DIR\ValidationServer\lib\auditlog.dll**
- **INSTALL_DIR\ValidationServer\lib\diavolo.dll**
- **INSTALL_DIR\ValidationServer\lib\libapr.exp**
- **INSTALL_DIR\ValidationServer\lib\libapr.lib**
- **INSTALL_DIR\ValidationServer\lib\libapriconv.exp**
- **INSTALL_DIR\ValidationServer\lib\libapriconv.lib**
- **INSTALL_DIR\ValidationServer\lib\libaprutil.exp**
- **INSTALL_DIR\ValidationServer\lib\libaprutil.lib**
- **INSTALL_DIR\ValidationServer\lib\libhttpd.exp**
- **INSTALL_DIR\ValidationServer\lib\libhttpd.lib**
- **INSTALL_DIR\ValidationServer\lib\mod_dav.exp**
- **INSTALL_DIR\ValidationServer\lib\mod_dav.lib**
- **INSTALL_DIR\ValidationServer\lib\ncipherSSL.dll**
- **INSTALL_DIR\ValidationServer\lib\ocsp.dll**
- **INSTALL_DIR\ValidationServer\lib\papi.dll**
- **INSTALL_DIR\ValidationServer\lib\pcre.lib**
- **INSTALL_DIR\ValidationServer\lib\pcre_src.pdb**
- **INSTALL_DIR\ValidationServer\lib\pcreposix.lib**
- **INSTALL_DIR\ValidationServer\lib\pcreposix_src.pdb**

- **INSTALL_DIR\ValidationServer\lib\vs.dll**
- **INSTALL_DIR\ValidationServer\lib\xml.lib**
- **INSTALL_DIR\ValidationServer\lib\xml_src.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_access.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_access.so**
- **INSTALL_DIR\ValidationServer\modules\mod_actions.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_actions.so**
- **INSTALL_DIR\ValidationServer\modules\mod_alias.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_alias.so**
- **INSTALL_DIR\ValidationServer\modules\mod_asis.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_asis.so**
- **INSTALL_DIR\ValidationServer\modules\mod_auditlog.so**
- **INSTALL_DIR\ValidationServer\modules\mod_auth.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_auth.so**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_anon.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_anon.so**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_dbm.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_dbm.so**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_digest.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_digest.so**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_ldap.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_auth_ldap.so**
- **INSTALL_DIR\ValidationServer\modules\mod_autoindex.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_autoindex.so**
- **INSTALL_DIR\ValidationServer\modules\mod_cache.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_cache.so**
- **INSTALL_DIR\ValidationServer\modules\mod_cern_meta.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_cern_meta.so**
- **INSTALL_DIR\ValidationServer\modules\mod_cgi.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_cgi.so**
- **INSTALL_DIR\ValidationServer\modules\mod_charset_lite.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_charset_lite.so**
- **INSTALL_DIR\ValidationServer\modules\mod_dav.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_dav.so**
- **INSTALL_DIR\ValidationServer\modules\mod_dav_fs.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_dav_fs.so**
- **INSTALL_DIR\ValidationServer\modules\mod_dir.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_dir.so**
- **INSTALL_DIR\ValidationServer\modules\mod_disk_cache.pdb**

- **INSTALL_DIR\ValidationServer\modules\mod_disk_cache.so**
- **INSTALL_DIR\ValidationServer\modules\mod_env.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_env.so**
- **INSTALL_DIR\ValidationServer\modules\mod_expires.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_expires.so**
- **INSTALL_DIR\ValidationServer\modules\mod_ext_filter.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_ext_filter.so**
- **INSTALL_DIR\ValidationServer\modules\mod_file_cache.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_file_cache.so**
- **INSTALL_DIR\ValidationServer\modules\mod_headers.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_headers.so**
- **INSTALL_DIR\ValidationServer\modules\mod_imap.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_imap.so**
- **INSTALL_DIR\ValidationServer\modules\mod_include.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_include.so**
- **INSTALL_DIR\ValidationServer\modules\mod_info.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_info.so**
- **INSTALL_DIR\ValidationServer\modules\mod_isapi.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_isapi.so**
- **INSTALL_DIR\ValidationServer\modules\mod_jk2-2.0.43.dll**
- **INSTALL_DIR\ValidationServer\modules\mod_log_config.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_log_config.so**
- **INSTALL_DIR\ValidationServer\modules\mod_log_forensic.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_log_forensic.so**
- **INSTALL_DIR\ValidationServer\modules\mod_logio.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_logio.so**
- **INSTALL_DIR\ValidationServer\modules\mod_mem_cache.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_mem_cache.so**
- **INSTALL_DIR\ValidationServer\modules\mod_mime.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_mime.so**
- **INSTALL_DIR\ValidationServer\modules\mod_mime_magic.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_mime_magic.so**
- **INSTALL_DIR\ValidationServer\modules\mod_negotiation.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_negotiation.so**
- **INSTALL_DIR\ValidationServer\modules\mod_ocsp.so**
- **INSTALL_DIR\ValidationServer\modules\mod_pipeline.so**
- **INSTALL_DIR\ValidationServer\modules\mod_pmp.so**
- **INSTALL_DIR\ValidationServer\modules\mod_proxy.pdb**
- **INSTALL_DIR\ValidationServer\modules\mod_proxy.so**

- **INSTALL_DIR**ValidationServer\modules\mod_proxy_connect.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_proxy_connect.so
- **INSTALL_DIR**ValidationServer\modules\mod_proxy_ftp.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_proxy_ftp.so
- **INSTALL_DIR**ValidationServer\modules\mod_proxy_http.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_proxy_http.so
- **INSTALL_DIR**ValidationServer\modules\mod_rewrite.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_rewrite.so
- **INSTALL_DIR**ValidationServer\modules\mod_setenvif.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_setenvif.so
- **INSTALL_DIR**ValidationServer\modules\mod_speling.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_speling.so
- **INSTALL_DIR**ValidationServer\modules\mod_ssl.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_ssl.so
- **INSTALL_DIR**ValidationServer\modules\mod_status.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_status.so
- **INSTALL_DIR**ValidationServer\modules\mod_unique_id.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_unique_id.so
- **INSTALL_DIR**ValidationServer\modules\mod_userdir.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_userdir.so
- **INSTALL_DIR**ValidationServer\modules\mod_usertrack.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_usertrack.so
- **INSTALL_DIR**ValidationServer\modules\mod_version.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_version.so
- **INSTALL_DIR**ValidationServer\modules\mod_vhost_alias.pdb
- **INSTALL_DIR**ValidationServer\modules\mod_vhost_alias.so
- **INSTALL_DIR**ValidationServer\modules\mod_vs.so
- **INSTALL_DIR**ValidationServer\modules\util_ldap.pdb
- **INSTALL_DIR**ValidationServer\modules\util_ldap.so
- **INSTALL_DIR**Util\help\SetOCSPSettingsCommand.txt
- **INSTALL_DIR**Util\help\SetAuditEventCommand.txt
- **INSTALL_DIR**Util\help\SetAuditLogRolloverIntervalCommand.txt
- **INSTALL_DIR**Util\help\SetAuditLogSigningIntervalCommand.txt
- **INSTALL_DIR**Util\help\GetCertRequestCommand.txt
- **INSTALL_DIR**Util\help\ImportCACCommand.txt
- **INSTALL_DIR**VERSION.txt

Back up the entire Help directory, **INSTALL_DIR**\GUI\Server\webapps\vmadmin\help\en_US.

3. Copy the zipped file to the **INSTALL_DIR** directory.
4. Unzip and extract the files, ensuring that the new files replace the old files.

5. Edit the **httpd.conf** file:
 - a. Save a copy of **INSTALL_DIR\ValidationServer\conf\httpd.conf**.
 - b. Open **httpd.conf** in a text editor.
 - c. In the Dynamic Shared Object (DSO) Support section, locate the line:


```
LoadFile lib/papi.dll
```
 - d. After this line, add the following line:


```
LoadFile lib/diavolo.dll
```
 - e. Save and close the file.
6. Start all Validation Manager services.

On Solaris

This upgrade does not require a new installation of the product, but rather a drop-in replacement of 448 files into the appropriate Validation Manager directory.

To install RSA Validation Manager 3.1:

1. Stop all Validation Manager services.
2. Back up the following files (**INSTALL_DIR** is the directory path where Validation Manager is installed):
 - **INSTALL_DIR/Audit/vmauditlogverify**
 - **INSTALL_DIR/GUIServer/webapps/vmadmin/html/en_US/about.htm**
 - **INSTALL_DIR/GUIServer/webapps/vmadmin/WEB-INF/lib/libjppdialog.so**
 - **INSTALL_DIR/GUIServer/webapps/vmadmin/WEB-INF/classes/i18n/en_US/global_en_US.properties**
 - **INSTALL_DIR/GUIServer/webapps/vmadmin/jsp/incFormCompAddRemove.jsp**
 - **INSTALL_DIR/SystemCA/SystemCA**
 - **INSTALL_DIR/Util/changepp**
 - **INSTALL_DIR/Util/db_recover**
 - **INSTALL_DIR/Util/vmupgradedb**
 - **INSTALL_DIR/ValidationServer/bin/ppprompt**
 - **INSTALL_DIR/ValidationServer/bin/ppdialog**
 - **INSTALL_DIR/ValidationServer/bin/start-ocsp**
 - **INSTALL_DIR/ValidationServer/bin/stop-ocsp**
 - **INSTALL_DIR/ValidationServer/bin/httpd**
 - **INSTALL_DIR/ValidationServer/lib/apr.exp**
 - **INSTALL_DIR/ValidationServer/lib/libapr-0.so**
 - **INSTALL_DIR/ValidationServer/lib/libaprutil-0.la.original**
 - **INSTALL_DIR/ValidationServer/lib/libdiavolo.so**
 - **INSTALL_DIR/ValidationServer/lib/libexpat.so.0**
 - **INSTALL_DIR/ValidationServer/lib/libvs.so**
 - **INSTALL_DIR/ValidationServer/lib/aprutil.exp**
 - **INSTALL_DIR/ValidationServer/lib/libapr-0.so.0**
 - **INSTALL_DIR/ValidationServer/lib/libaprutil-0.so**
 - **INSTALL_DIR/ValidationServer/lib/libexpat.a**

- ***INSTALL_DIR/ValidationServer/lib/libexpat.so.0.1.0***
- ***INSTALL_DIR/ValidationServer/lib/libapr-0.a***
- ***INSTALL_DIR/ValidationServer/lib/libapr-0.so.0.9.12***
- ***INSTALL_DIR/ValidationServer/lib/libaprutil-0.so.0***
- ***INSTALL_DIR/ValidationServer/lib/libexpat.la***
- ***INSTALL_DIR/ValidationServer/lib/libncipherSSL.so***
- ***INSTALL_DIR/ValidationServer/lib/libapr-0.la***
- ***INSTALL_DIR/ValidationServer/lib/libaprutil-0.a***
- ***INSTALL_DIR/ValidationServer/lib/libaprutil-0.so.0.9.12***
- ***INSTALL_DIR/ValidationServer/lib/libexpat.la.original***
- ***INSTALL_DIR/ValidationServer/lib/libocsp.so***
- ***INSTALL_DIR/ValidationServer/lib/libapr-0.la.original***
- ***INSTALL_DIR/ValidationServer/lib/libaprutil-0.la***
- ***INSTALL_DIR/ValidationServer/lib/libauditlog.so***
- ***INSTALL_DIR/ValidationServer/lib/libexpat.so***
- ***INSTALL_DIR/ValidationServer/lib/libpapi.so***
- ***INSTALL_DIR/ValidationServer/modules/httpd.exp***
- ***INSTALL_DIR/ValidationServer/modules/mod_auditlog.so***
- ***INSTALL_DIR/ValidationServer/modules/mod_jk2-2.0.43.so***
- ***INSTALL_DIR/ValidationServer/modules/mod_ocsp.so***
- ***INSTALL_DIR/ValidationServer/modules/mod_pipeline.so***
- ***INSTALL_DIR/ValidationServer/modules/mod_pmp.so***
- ***INSTALL_DIR/ValidationServer/modules/mod_vs.so***
- ***INSTALL_DIR/Util/help/SetOCSPSettingsCommand.txt***
- ***INSTALL_DIR/Util/help/SetAuditEventCommand.txt***
- ***INSTALL_DIR/Util/help/SetAuditLogRolloverIntervalCommand.txt***
- ***INSTALL_DIR/Util/help/SetAuditLogSigningIntervalCommand.txt***
- ***INSTALL_DIR/Util/help/GetCertRequestCommand.txt***
- ***INSTALL_DIR/Util/help/ImportCACCommand.txt***
- ***INSTALL_DIR/VERSION.txt***

Back up the entire Help directory, ***INSTALL_DIR/GUIServer/webapps/vmadmin/help/en_US***.

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. 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 **/ValidationServer** 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/ValidationServer*** directory to the user and group under which the Validation Manager Validation Server was installed. From the ***INSTALL_DIR***, type:

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

6. Edit the **httpd.conf** file:
 - a. Save a copy of **INSTALL_DIR/ValidationServer/conf/httpd.conf**.
 - b. Open **httpd.conf** in a text editor.
 - c. In the Dynamic Shared Object (DSO) Support section, locate the line:
`LoadFile lib/papi.dll`
 - d. After this line, add the following line:
`LoadFile lib/diavolo.dll`
 - e. Save and close the file.
7. Start all Validation Manager services.

Getting Support and Service

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