Readme
RSA Validation Manager 3.1

October 16, 2007

Introduction

This document lists what's new and changed in RSA Validation Manager 3.1. It includes workarounds for known issues. Read this document before installing the software. This document contains the following sections:

This *Readme* may be updated. The most current version can be found on RSA SecurCare Online **https://knowledge.rsasecurity.com**.

What's New in This Release

This section describes the major changes introduced in this release. For detailed information on each change, refer to the appropriate Validation Manager guide.

Support for new platforms. Validation Manager can be installed on a Sun Solaris 10 or Red Hat Enterprise Linux 5 operating system.

Support for new browsers. Validation Manager supports browser-based administration with:

- Microsoft Internet Explorer 7.0 on Microsoft Windows Server 2003, Windows XP, or Windows Vista
- Mozilla Firefox 2.0 on Red Hat Enterprise Linux or Microsoft Windows XP
- Mozilla 1.7 on Sun Solaris 9 or 10

Support for IdenTrust Optimization. In the IdenTrust validation model, 18 messages are sent to complete each transaction. IdenTrust message flow optimization introduces mechanisms that cache responses and request the status of multiple certificates, thereby decreasing the number of messages sent to 6. Validation Manager supports the mechanisms for IdenTrust optimization.

Known Issues

This section explains issues that remain unresolved in this release. Wherever a workaround or fix is available, it has been noted or referenced in detail.

Issue	Description	Workaround (if available)
Installation Issues		
Apache service reports an error on successful startup of Validation Manager. Bz 28690	After starting up the Validation Manager Validation Server, an error message is reported to the Event Viewer (Windows) or syslog (Solaris or Linux) stating that there are no installed ConfigArgs for the Validation Server service.	Ignore the error message.

Issue	Description	Workaround (if available)
User Authentication Issues		
Unable to log into Validation Manager configured for certificate authentication only, if users are stored in an LDAP directory. Bz 28016	If you use an LDAP directory to store users and you configure user authentication by certificates only, users cannot log into Validation Manager due to a deficiency in the application server used to manage users (Tomcat 4.1.27).	Use another user authentication method or store users in the Validation Manager database instead of LDAP.
nCipher Issues		
Loss of communication between Validation Manager and nCipher network HSM. Bz 28728	After an extended period of time, the communication between Validation Manager and nCipher NetHSM may be lost.	Restart Validation Manager and reenter all nCipher passphrases.
Validation Manager Operations Issues		
If OCSP requests for certificates issued by a CA are signed by a certificate issued by the same CA, certificate status is returned incorrectly. Bz 28157	If you set CA purposes only to **verify OCSP clients**, the OCSP response returned by Validation Manager is an `unauthorized` OCSP error. A successful OCSP response containing an `unknown` certificate status is the expected behavior. If you set CA purposes only to **provide certificate status**, the OCSP response returned by Validation Manager is a successful OCSP response containing the actual certificate status. The expected behavior is an `unauthorized` OCSP error.	
Configuration with status source always checking CA-issued remote server certificate causes Validation Manager to go into an infinite loop. Bz 28447	The following configuration is not supported: • You add an OCSP-based or revocation list-based status source with a TLS-based retrieval method using the known CA TLS authentication mechanism, and select to always check the remote server certificate. • You import a CA, setting it to use the newly created revocation list-based status source. • The imported CA also issues the remote server certificate.	
Audit Log Issues		
Validation Manager does not log OCSP failures to connect to audit log when forwarding. Bz 28452	If an OCSP status source is configured with an invalid URL or if the remote responder is down or unreachable, Validation Manager responds with `unknown` and logs errors in the trace log file, but does not log anything in the audit log about the forwarding failure. There is an audit log entry indicating the success of the OCSP response.	

Issue	Description	Workaround (if available)
Revocation list import is not logged on secondary cluster nodes. Bz 28667	By default, Validation Manager is configured to log the import of revocation lists on success and failure. However, the success operation is not logged at secondary cluster nodes because no revocation list imports occur at the secondary node. The revocation list imports occur at the primary node and those imports are logged.	
Clustering Issues		
Configuring Validation Manager for both synchronization and clustering.	With Validation Manager 3.1, you can configure a cluster as a synchronization server only.	
Database errors may occur if a revocation list is downloaded during recovery of the primary node. Bz 28860	If a revocation list is retrieved during recovery of the primary node, the database may become out of sync. As a result, some nodes may become outdated and need to be shut down and restored from a hot backup.	To prevent the database from becoming out of sync, RSA strongly recommends that you suspend OCSP services while the primary node is recovering (that is, before the server processes are started). Once replication initialization is complete, you can resume OCSP services.
Uninstallation Issues		
Uninstallation on Windows removes all files. Bz 27782	If you uninstall Validation Manager from your Windows platform, the text displayed during the uninstallation process states that files and folders created after installation are not removed. In some cases, all files and folders are removed from the machine.	

Getting Support and Service

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