

Release Notes

RSA Authentication Agent API 8.1 SP3 for Java



August 2016

Revision 1

Introduction

The RSA Authentication Agent application programming interface (API) 8.1 Service Pack 3 (SP3) for Java enables developers to integrate RSA SecurID into custom or third-party applications. Use the RSA Authentication API 8.1 SP3 to integrate with RSA Authentication Manager 8.0 or later.

This document lists what's new and changed in RSA Authentication Agent API 8.1 SP3 for Java. It includes additional installation information, as well as workarounds for known issues. Read this document before installing the software. This document contains the following sections:

- [Platform Support](#)
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These *Release Notes* may be updated. The most current version can be found on RSA SecurCare Online at <https://community.rsa.com>.

Platform Support

As of August 2016, the RSA Authentication Agent Application Programming Interface (API) 8.1 SP3 for Java supports Microsoft Windows 2012 R2 (64-bit) and Red Hat Enterprise Linux 7.1 (64-bit).

The Authentication Agent API also supports the following platforms, as described in the *RSA Authentication Agent API 8.1 SP3 for Java Developer's Guide*:

- Windows 2003 R2 SP2 (64-bit)
- Windows 2008 SP2, Data Center, Standard, Enterprise, and Web Server Editions (32-bit and 64-bit)
- Windows 2008 R2 (64-bit)
- Windows 2008 R2 SP1 (32-bit and 64-bit)
- Windows Vista, Business and Enterprise Editions (32-bit and 64-bit)
- Windows 7 (32-bit and 64-bit)
- Windows 7 SP1 (32-bit and 64-bit)
- AIX 5.3 and 6.1 (32-bit and 64-bit)
- HPUX 11i v3 Update 5 (32-bit and 64-bit)
- Red Hat Enterprise Linux 4.8 (AS/ES) and 5.5 (32-bit and 64-bit)
- SUSE Linux 10 SP2 and 11 (32-bit and 64-bit)
- Sun Solaris 10 with and without Zones (32-bit and 64-bit)

- Authentication Agent API is supported on VMware ESX 3.5 and VMware vSphere 4 with the following operating systems:

Hosted Operating System	VMware ESX 3.5	VMware vSphere 4
Windows 7 Enterprise edition (32-bit and 64-bit)	X	X
Windows Vista Business and Enterprise editions (32-bit and 64-bit)	X	X
Windows 2008 R2 Standard, Enterprise, Datacenter, and Web Server editions (64-bit)	X	X (64-bit)
RHEL 5.5 (32-bit and 64-bit)	X	X (64-bit)
Solaris 10 with and without Zones (32-bit and 64-bit)	X	X (64-bit)
SUSE Enterprise Linux 11 (32-bit and 64-bit)	X	X (64-bit)

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 *RSA Authentication Agent API 8.1 SP3 for Java Developer's Guide*.

cryptojFIPS.jar. With `cryptojFIPS.jar`, it is possible to use both FIPS and Non-FIPS algorithms. On detecting `cryptojFIPS.jar` in the classpath, a non-FIPS context is created using CryptoJ API. AuthAPI uses this context to create non fips version of JSafe Algorithms. If `cryptoj.jar` is in classpath, nothing will be changed. All the CryptoJ APIs will return non fips algorithms by default. ClassPath or BuildPath are not changed. We will continue to ship only `cryptoj.jar` in the kit. If customers want to use `cryptojFIPS.jar`, they can change their application's classpath and `authapi` will continue to work as before with `cryptojFIPS.jar`.

Software Development Kit Contents

When you download and extract the SDK .zip file, the SDK creates the directory structure outlined in the following table.

Directory	Contents
<code>\doc\AuthAgentAPI_De vGuide</code>	Includes the RSA Authentication Agent API 8.1 SP3 for Java Developer's Guide in HTML format. This guide provides an overview of the RSA Authentication Agent API for Java. Open the <code>index.htm</code> file to view the guide.
<code>\doc\Javadoc</code>	RSA Authentication Agent API 8.1 SP3 Javadoc
<code>\examples</code>	Contains the sample code, which includes examples that can be used to invoke the AuthAPI function calls, and test the status of the Authentication Manager.
<code>\lib</code>	Includes the libraries required for each of the supported operating systems.

Directory	Contents
<code>\rsa_api.properties</code>	The properties file of the Authentication API.
<code>\util</code>	Contains the <code>agent_nsload</code> utility.

Product Documentation

The following documentation is in the *Auth SDK* in the `\doc` directory.

Title	Filename
<i>Developer's Guide</i>	<code>\AuthAgentAPI_DevGuide\index.htm</code>

Fixed Issues

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

Tracking Number	Description	Resolution
Fixed in Service Pack 3		
AAJAVA-298	Incorrect handling of alias address time response message by Java Authentication API 8.1.2.	This issue has been resolved.
AAJAVA-274	New Pin mode authentication not working for cross realm authentication between AM 6.1 and AM 7.1.	This issue has been resolved.
AAJAVA-258 and AAJAVA-165	Java Auth API 8.1.x cross realm fails with "XR passcode incorrect" at two sites.	These issues have been resolved.
Fixed in Service Pack 2		
AAJAVA-170	8.1.1 causes conflict between SDK's <code>cryptoj.jar</code> and <code>jsafe FIPs jars</code> .	With <code>cryptojFIPS.jar</code> , it is possible to use both FIPS and Non-FIPS algorithms. On detecting <code>cryptojFIPS.jar</code> in the classpath, a non-FIPS context is created using CryptoJ API. AuthAPI uses this context to create non-fips version of JSafe Algorithms. If <code>cryptoj.jar</code> is in classpath, nothing will be changed. All the CryptoJ APIs will return non-fips algorithms by default. ClassPath or BuildPath are not changed. We will continue to ship only <code>cryptoj.jar</code> in the kit. If customers want to use <code>cryptojFIPS.jar</code> , they can change their application's classpath and <code>authapi</code> will continue to work as before with <code>cryptojFIPS.jar</code> .
Fixed in Service Pack 1		
AAJAVA-139	The <code>decryptPassCode</code> method of <code>AcePinUtil</code> truncates the passcode	Fixed
AAJAVA-86	Strings returned from <code>AceServerStatus</code> in the <code>AuthSession Factory</code> have invalid characters	Invalid characters have been removed from the protocol and service variables, while reading from <code>sdconf.rec</code>

Tracking Number	Description	Resolution
AAJAVA-145	gethostname method returning non-printable junk characters	Invalid characters have been removed from hostname, protocol and service variables, while reading from sdconf.rec
AAJAVA-147	Not able to build securid_JAAS example in the Java AuthAPI kit	Necessary changes have been made to build.xml

Known Issues

This section describes issues that remain unresolved in this release. Wherever a workaround or fix is available, it has been noted or referenced in detail. For many of the workarounds in this section, you must have administrative privileges. If you do not have the required privileges, contact your administrator.

sample.AceStatus shows incorrect config version and does not show server release version

Tracking Number: AAJAVA-160

Problem: While executing sample.AceStatus, server release is not displayed and incorrect config version is displayed..

Workaround: Server release version is displayed only after a couple of successful authentications through the same agent host.

JAVA AuthAPI Auth Session initialization takes more time on SuSE Linux

Tracking Number: AAJAVA-155

Problem: JAVA AuthAPI Auth Session initialization takes more time on SuSe Linux.

Workaround: There is no workaround for this issue.

Support and Service

You can access community and support information on RSA Link at <https://community.rsa.com>. RSA Link contains a knowledgebase that answers common questions and provides solutions to known problems, product documentation, community discussions, and case management.

The RSA Ready Partner Program website at www.rsaready.com provides information about third-party hardware and software products that have been certified to work with RSA products. The website includes Implementation Guides with step-by-step instructions and other information on how RSA products work with third-party products.

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