

Release Notes

RSA Authentication Agent API 8.1 SP3 for Java



October 10, 2014

Introduction

The RSA Authentication Agent application programming interface (API) for Java enables developers to integrate RSA SecurID into custom or third-party applications. The API is available for download on RSA SecurCare Online at <https://knowledge.rsasecurity.com> as a .tar and a .zip file.

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:

- [What's New in This Release](#)
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- [Support and Service](#)

These *Release Notes* may be updated. The most current version can be found on RSA SecurCare Online at <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 *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 or .tar 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 index.htm file to view the guide.
<code>\doc\Javadoc</code>	RSA Authentication Agent API 8.1 SP3 Javadoc

Directory	Contents
<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.
<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 AuthSDK 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> .

Tracking Number	Description	Resolution
Fixed in Service Pack 1		
AAJAVA-139	The decryptPassCode method of AcePinUtil truncates the passcode	Fixed
AAJAVA-86	Strings returned from AceServerStatus in the AuthSession Factory have invalid characters	Invalid characters have been removed from the protocol and service variables, while reading from sdconf.rec
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

RSA SecurCare Online	https://knowledge.rsasecurity.com
Customer Support Information	www.rsa.com/support
RSA Secured Partner Solutions Directory	www.rsasecured.com

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