

# Release Notes

## RSA Authentication Agent API 8.1 SP2 Patch 2 for Java



August, 2013

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### 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 is new and changed in RSA Authentication Agent API 8.1 SP2 Patch (P2) 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](#)
- [Software Development Kit Contents](#)
- [Product Documentation](#)
- [Fixed Issues](#)
- [Known Issues](#)
- [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>.

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### What's New in This Release

This section describes the major changes introduced in this release.

#### Version 8.1 SP2 P2

A defect involving communication with AM 6.1.x cross realms has been corrected. Please see [Fixed Issues](#).

#### Version 8.1 SP2 P1

The crypto-j jar version has been upgraded to version 6.1, to allow for compatibility with JBoss 6 and JBoss 7.

#### Version 8.1 SP2

**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 following directory structure.

Directory	Contents
<code>\doc\AuthAgentAPI_DevGuide\Dev_Guide</code>	Includes the RSA Authentication Agent API 8.1 SP2 for Java Developer's Guide in HTML format. This guide provides an overview of the RSA Authentication Agent API for Java. Open the <b>index.htm</b> file to view the guide.
<code>\doc\Javadoc</code>	<a href="#">RSA Authentication Agent API 8.1 SP2 Javadoc</a>
<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 <b>agent_nsload</b> utility.

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## Product Documentation

The following Authentication Agent API 8.1 SP2 documentation is located in the `\doc` directory.

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

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## Fixed Issues

This section lists issues that have been fixed in this release and prior releases.

### Version 8.1 SP2 P2

Tracking Number	Description	Resolution
AAJAVA-258	Java Auth API 8.1.x cross realm fails with "XR passcode incorrect" for AM 6.x<>6x cross-realms.	Software defects in this area have been corrected.

### Version 8.1 SP2 P1

Tracking Number	Description	Resolution
AAJAVA-253	Auth SDK does not function in JBoss 6.x or 7.x	The version of cryptoj.jar that is delivered with this product has been upgraded to cryptoj 6.1.

### Version 8.1 SP2

Tracking Number	Description	Resolution
AAJAVA-170	8.1.1 causes conflict between SDK's cryptoj.jar and jsafe FIPs jars	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.

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## Known Issues

This section describes issues that remain unresolved in this release. Workarounds are included when available. 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

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RSA SecurCare Online	<a href="https://knowledge.rsasecurity.com">https://knowledge.rsasecurity.com</a>
Customer Support Information	<a href="http://www.emc.com/support/rsa/index.htm">www.emc.com/support/rsa/index.htm</a>
RSA Solution Directory	<a href="https://gallery.emc.com/community/marketplace/rsa?view=overview">https://gallery.emc.com/community/marketplace/rsa?view=overview</a>

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