

# Release Notes

## RSA Authentication Agent API 8.1 SP2 for C



March 20, 2012

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### Introduction

The RSA Authentication Agent application programming interface (API) for C 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 SP2 for C, 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](#)
- [Fixed Issues](#)
- [Software Development Kit Contents](#)
- [Product Documentation](#)
- [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. For detailed information on each change, refer to the appropriate *RSA Authentication Agent API 8.1 SP2 for C Developer's Guide*.

**agent\_nsload utility.** This release of the Authentication APIs includes the new **agent\_nsload** utility, which must be used during upgrade (to convert an existing node secret to the new format), and for loading a node secret. For more information, refer to the *RSA Authentication Agent API 8.1 SP2 for C Developer's Guide*.

**Acestatus sample code.** You can now verify the status of the Authentication Manager by running the code given in the **Acestatus** sample code file. For more information, refer to the *RSA Authentication Agent API 8.1 SP2 for C Developer's Guide*.

**Node secret format.** The node secret is stored in a more secure format from this release.

**Offline authentication and password integration.** The offline authentication and password integration feature in this release will only work with RSA Authentication Agent 7.1 for Microsoft Windows and later. Earlier versions of the Windows Agent do not support this feature.

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### Fixed Issues

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

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Tracking Number	Description	Resolution
AAC-291	w3wp.exe process of IIS crashes within an hour if the continuous load exceeds 20 Authentications/sec.	Fixed the w3wp process crashes at higher load.
AAC-293	Memory leak in aceclnt.dll	Fixed the memory leak issue under heavy load.
AAC-232	Unresolved symbol scope	Unnecessary exposure of crypto symbols are hidden.

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## 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</code>	Contains the RSA Authentication Agent API 8.1 SP2 for C Developer's Guide in PDF format ( <b>auth_agent_API_C_dev_guide.pdf</b> ). This guide provides an overview of the RSA Authentication Agent API for C, and describes all the functions in detail.
<code>\inc</code>	Contains the header files required for integrating with the Authentication API.
<code>\lib</code>	Includes the libraries required for each of the supported operating systems.
<code>\samples</code>	Contains four samples that illustrate the application of the API in all modes of operation. One sample uses asynchronous calls, and the remaining samples use synchronous calls. Also contains sample code that can be run to test the status of the Authentication Manager.
<code>\src</code>	Includes a C source file suitable for runtime loading of the ACECLNT.DLL without the use of ACECLNT.LIB. This file is useful for products that operate in an environment in which the ACECLNT.DLL might not be installed and which require a graceful error return instead of a hard failure.
<code>\util</code>	Contains the <b>agent_nsload</b> utility.

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## Product Documentation

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

Title	Filename
<i>Developer's Guide</i>	<code>\doc\auth_agent_API_C_dev_guide.pdf</code>

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## Support and Service

RSA SecurCare Online	<a href="https://knowledge.rsasecurity.com">https://knowledge.rsasecurity.com</a>
Customer Support Information	<a href="http://www.rsa.com/support">www.rsa.com/support</a>
RSA Secured Partner Solutions Directory	<a href="http://www.rsasecured.com">www.rsasecured.com</a>

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