Release Notes
RSA Authentication Agent API 8.6.1 for C

RSA

April 2020

Introduction

The RSA Authentication Agent Application Programming Interface (API) 8.6.1 for C enables developers to integrate RSA SecurID into custom or third-party applications. Use the RSA Authentication API 8.6.1 to integrate with Authentication Manager 8.1 Service Pack 1 or later.

This document lists what's new and changed in RSA Authentication Agent API 8.6.1 for C, as well as workarounds for known issues. Read this document before installing the software. This document contains the following sections:

- [Platform Support](#)
- [Software Development Kit Contents](#)
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Platform Support

As of April 2020, the RSA Authentication Agent API 8.6.1 for C qualifies and adds support for Visual Studio 2015 run-time components on Windows Server 2019 (64-bit).

The Authentication Agent API supports the following platforms:

- Microsoft Windows
    - Windows Server 2008 SP2 (32-bit and 64-bit)
    - Windows 8 (32-bit and 64-bit)
    - Windows Server 2008 R2 Enterprise SP2 (64-bit)
    - Windows Server 2012 (64-bit)
    - Windows Server 2012 R2 (64-bit)
    - Windows Server 2016 (64-bit)
    - Windows Server 2019 (64-bit)
- Linux
    - Red Hat Enterprise Linux 5.9 (32-bit and 64-bit)
    - Red Hat Enterprise Linux 6.3 (32-bit and 64-bit)
    - SUSE Enterprise Linux 11 (32-bit and 64-bit)
    - Red Hat Enterprise Linux 7.1 (64-bit)

The Authentication API requires the C runtime library **msvcr80.dll** which gets installed as part of the Visual Studio 2005 SP1 Redistributable Package (x86 | x64).

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
\doc	Contains the RSA Authentication Agent API 8.6 for C Developer's Guide in PDF format (**auth_agent_API_C_dev_guide**). This guide provides an overview of the RSA Authentication Agent API for C, and describes all the functions in detail.
\inc	Contains the header files required for integrating with the Authentication API.
\lib	Includes the libraries required for each of the supported operating systems.
\samples	Contains samples that illustrate the application of the API.
\src	Contains files used to modify the Message Catalog for windows and non-windows.
\util	Contains acestatus, acestatusEX, acetest, and the ns_load utility.

Product Documentation

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

Title	Filename
Developer's Guide	**\doc\auth_agent_API_C_dev_guide.pdf**

Fixed Issues

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

AAC-695 — New PIN authentication through Citrix Web Interface failed when the Authentication Agent API was in TCP mode.

AAC-698 — Authentication failed in deployments with more than one instance if services were stopped on either the primary or replica instance.

AAC-704 — AceGetUserSelectable returned an incorrect value for a user's PIN creation method.

AAC-706 — In a planned promotion or disaster recovery situation, an agent sometimes attempted to contact an RSA Authentication Manager server that was no longer available, and the agent could not authenticate until the original message key expired.

AAC-708 — In some cases, AceInitialize could not be called a second time if the first call failed.

AAC-786 — The implementation of the asynchronous APIs of RSA Authentication Agent API/SDK 8.5 and 8.6 for C did not properly handle error status for callback methods.

Known Issues

This section describes issues that remain unresolved in this release.

IPv6 addresses are not supported for the RSA RADIUS Server

Tracking Number: AAC-431
Problem: RSA RADIUS does not support IPv6 addresses on the server. In RSA Authentication Manager 8.1 Service Pack 1 or later, only RSA RADIUS clients can use IPv6 addresses.
Workaround: There is no workaround for this issue.

AceStatus and AceStatusEX do not display server status

Tracking Number: AAC-756
Problem: Server status is not implemented in this release.
Workaround: There is no workaround for this issue.

The agent auto-registration utility (sdadmreg) is not compatible with Authentication Agent API 8.5 or later versions

Tracking Number: AAC-784
Problem: Authentication Agent API 8.5 and later versions do not support integration with the agent auto-registration utility (sdadmreg).
Workaround: No workaround is available for this issue.

Intermittent connection problems occur when TCP agents using the Authentication Agent API attempt authentication with an Authentication Manager 8.2 SP1 Patch 4 instance that has been updated from version 8.2 SP1 Patch 2

Tracking Number: AAC-785
Problem: Due to a key negotiation error, TCP agents using the Authentication Agent API sometimes cannot connect to an Authentication Manager 8.2 SP Patch 4 instance that has been updated from version 8.2 SP1 Patch 2.
Workaround: No workaround is available 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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