THALES

SafeNet Authentication Service Agent for FreeRADIUS

CUSTOMER RELEASE NOTES

Version: v3.2.1

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Contents

Product Description

FreeRADIUS is a customizable, open-source RADIUS Server which receives authentication data using the RADIUS protocol (a protocol running over IP/UDP or IP/TCP). The SafeNet Authentication Service (SAS) Agent for FreeRADIUS is a highly secure, enterprise authentication agent that enables RADIUS clients to communicate with the SAS using the RADIUS protocol.

Release Description

Release Summary – SAS Agent for FreeRADIUS 3.2.1

The SAS Agent for FreeRADIUS v3.2.1 includes new features listed below:

Added user agent header to comply with GWAF security rules
The reversed proxy GWAF requires HTTP requests to include the User-Agent header in compliance with RFC 7231, Section 5.5.3. Necessary changes have been made in accordance with this requirement.

Added stats to RADIUS requests
RADIUS servers are deployed to capture details regarding incoming traffic. This includes information on the amount of processed traffic, the number of dropped packets, as well as the counts for duplicate and conflicting packets sent.

Release Summary – SAS Agent for FreeRADIUS 3.2.0

The SAS Agent for FreeRADIUS v3.2.0 includes new features and resolves a customer-reported issue.

FreeRADIUS Agent support for on-prem password validation.
Support for on-prem password validation using concatenated LDAP+OTP as a single field Password for the Authentication. This has been added to enhance security during authentication.

Please refer *SafeNet FreeRADIUS Agent Install Config Guide*, for prerequisites and other details.

Support for Silent reponse in case if SAS Server is not reachable.
Support for a silent reponse when SAS server is not reachable, this will help customers to switch to failover/secondary SAS servers. Instead of authentication failure, it will show the "No response from the server ".

Please refer *SafeNet FreeRADIUS Agent Install Config Guide*, for prerequisites and other details.

Resolved Issues

Issue	Synopsis
SAS-41855	UTF8 encoding is now supported with MS-CHAPv2.

Release Summary – SAS Agent for FreeRADIUS 3.1.1

The SAS Agent for FreeRADIUS v3.1.1 resolves some customer-reported issues.

Resolved Issues

Issue	Synopsis
SAS-37881	The special characters with UTF encoding are now supported in the AD password.
SAS-36432	The FreeRADIUS Agent installer now does not display the private key to its users in the system.

Release Summary – SAS Agent for FreeRADIUS 3.1

The SAS Agent for FreeRADIUS v3.1 includes a new feature and resolves a known issue.

Support for Protected Extensible Authentication Protocol

Support for Protected Extensible Authentication Protocol (PEAP) is now added for enhanced security during the authentication.

Release Summary – SAS Agent for FreeRADIUS 3.0

The SAS Agent for FreeRADIUS 3.0 is a new agent that allows to authenticate against the FreeRADIUS Server version 3.0. The new agent is different in technology (it is deployed inside a docker container), and the outcome is far more robust and secure than the previous agent.

Earlier, the agent had three separate components; **FreeRADIUS Agent**, **FreeRADIUS Updater** and **FreeRADIUS Server**. All three components needed to be installed and configured for the agent solution to work.

The new SafeNet Authentication Service Agent for FreeRADIUS 3.0 is deployed using a simple shell script. The script, based on parameter inputs from the end user, helps in quick, hassle-free agent installation and upgrades.

Known Issues

This table provides a list of known issues as of the latest release.

Issue	Synopsis
SAS-46280	**Summary:** Few special characters (for example %, (, ?, *) are not supported with on-prem password validation. **Workaround:** Avoid using these characters.

Compatibility

The information in this document applies to:

SafeNet Authentication Service

> SAS PCE / SPE 3.7 and later

> SAS Cloud Edition

Supported Platforms

> Red Hat Enterprise Linux 7.3

> Red Hat Enterprise Linux 8.3

> CentOS 8.3

> CentOS 7.3

Supported FreeRADIUS Versions

> FreeRADIUS Server version 3.x and above

Product Documentation

The following documentation is associated with this product:

> SAS Agent for FreeRADIUS: Installation and Configuration Guide

We have attempted to make these documents complete, accurate, and useful, but we cannot guarantee them to be perfect. When we discover errors or omissions, or they are brought to our attention, we endeavor to correct them in succeeding releases of the product.

Product Limitations

The following limitations are associated with this product:

> FreeRADIUS Agent support for on-prem password validation

This feature does not support MSCHAP v2 RADIUS protocol and Pre-Authentication rules.

Support Contacts

If you encounter a problem while installing, registering, or operating this product, please make sure that you have read the documentation. If you cannot resolve the issue, contact your supplier or Thales Group Customer Support.

Thales Group Customer Support operates 24 hours a day, 7 days a week. Your level of access to this service is governed by the support plan arrangements made between Thales Group and your organization. Please consult this support plan for further information about your entitlements, including the hours when telephone support is available to you.

Customer Support Portal

The Customer Support Portal, at https://supportportal.thalesgroup.com, is where you can find solutions for most common problems. The Customer Support Portal is a comprehensive, fully searchable database of support resources, including software and firmware downloads, release notes listing known problems and workarounds, a knowledge base, FAQs, product documentation, technical notes, and more. You can also use the portal to create and manage support cases.

> **NOTE:** You require an account to access the Customer Support Portal. To create a new account, go to the portal and click on the **REGISTER** link.

Telephone Support

The support portal also lists telephone numbers for voice contact (Contact Us).

Email Support

You can also contact technical support by email at technical.support.DIS@thalesgroup.com.