SafeNet Agent for Keycloak
CUSTOMER RELEASE NOTES

Version: 1.3.0 GA

Build: 1.3.0-55

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Contents

Product Description

The SafeNet Agent for Keycloak allows integration of a Keycloak Identity Provider (IDP) to SAS PCE. Clients deploying the Keycloak IDP in their network can take advantage of SAS PCE as the provider of Multi-Factor Authentication (MFA). The agent is deployed as an extension of the Keycloak software and thereby provides configuration options on Keycloak that enable secure integration with the client's SAS PCE system.

Release Information

The following release has been issued for SafeNet Agent for Keycloak 1.3.0

Release Summary – SafeNet Agent for Keycloak 1.3.0

This is the fourth general availability release of the SafeNet Agent for Keycloak. This release is an upgrade introducing new features and fixing the defects. Refer to the sections below and *Keycloak Agent Administration Guide* for detailed information.

General Availability Release – January, 2023

This general availability release introduces the following features:

Keycloak Server Support Update

Keycloak Agent 1.3.0 supports Keycloak Sever version 19 which implies support for Quarkus framework.

CBA Support for SAS PCE via Keycloak

Certification based authentication has been integrated with SAS PCE in conjunction with SafeNet Keycloak Agent, where applications are configured to use SAS Keycloak instance as the primary IDP. Refer to the **Certificate Based Authentication Support** section in the *Keycloak Agent Administration Guide*.

Multi-Language Support in STA Hybrid

This version of Keycloak Agent completes multi-language support for STA Hybrid Access Management deployment. The language selected by the user on the Keycloak login screen will also apply to and display on the STA IDP login screen, and vice-versa. This enhancement is implemented to create a unified user experience.

Resolved Issues

Issue	Synopsis
SAS-48070	**Summary**: A SAS user with a temporary password or password as a token is unable to authenticate when the SAS Federation functionality is used to used to Import User to Keycloak.

Previous Releases

SafeNet Agent for Keycloak 1.2.0

This is the third general availability release of the SafeNet Agent for Keycloak. This release is an upgrade introducing new features and fixing the defects. Refer to the sections below and *Keycloak Agent Administration Guide* for detailed information.

General Availability Release – March, 2022

This general availability release introduces the following features and resolves the issues listed below:

Multilingual support for STA and SAS PCE Hybrid deployment

Keycloak Agent now supports unified language for Hybrid deployment of STA and SAS PCE. The language initially selected on the interface (STA IDP), applies to all the remaining stages of the user interface, presented by Keycloak IDP and SAS PCE. This feature gives personalized and unified login experience to the user.

Common Language set between STA and Keycloak Agent for SAS PCE

Keycloak Agent now supports all languages supported by STA, namely Czech, Danish, German, English, Spanish, Finnish, French, Italian, Japanese, Korean, Norwegian, Dutch, Swedish, Chinese (Mainland China, simplified characters) and Chinese (Taiwan, traditional characters). For more information, refer language selection section in *Keycloak Agent Administration Guide*.

Resolved Issues

Issue	Synopsis
SAS-50468	Built responsive user interface for Keycloak Agent.

SafeNet Agent for Keycloak 1.1.0

This is the second general availability release of the SafeNet Agent for Keycloak. This release is an upgrade introducing new features and fixing the defects. Refer to the sections below and *Keycloak Agent Administration Guide* for detailed information.

General Availability Release – January, 2022

This general availability release introduces the following features and resolves the issues listed below:

Language Selection

Keycloak IDP with SAS PCE/SPE is available in multiple languages now. A language selection menu is provided to the user on the login page. This functionality includes Keyword customization feature as well. For detailed information, refer chapter **Customization** from *Keycloak Agent Administration Guide*.

SafeNet Keycloak Agent version

The current version of Keycloak Agent can be viewed in Linux and Windows based systems. Refer **Setup of the SafeNet Agent for Keycloak** from *Keycloak Agent Administration Guide* for more information.

Upgrade and Uninstallation of SafeNet Keycloak Agent

The Keycloak Agent can be upgraded and uninstalled easily. For more information, refer chapter **Setup of the SafeNet Agent for Keycloak** from *Keycloak Agent Administration Guide*.

SafeNet Agent for Keycloak 1.0.1

This is the first general availability release of the SafeNet Agent for Keycloak. This release is an upgrade from previous limited availability release.

General Availability Release – October, 2021

This general availability release resolves the issues listed below:

Resolved Issues

Issue	Synopsis
SAS-47112	Push authentication working for the first PUSH OTP after Keycloak restart.

Known Issues

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

Issue	Synopsis
SAS-48554	**Summary:** For LDAP + OTP Authentication flow, authentication fails with both SAS federation and LDAP enabled. **Workaround:**Enable only one user Federation, either SAS User Federation or LDAP User Federation. Ensure user is not created manually on Keycloak.
SAS-48036	**Summary:**An active session is still maintained even after logging out of the Azure application. **Workaround:**Log out of all active sessions under **Keycloak Admin Login > Realm > Session > Logout all**
SAS-48668	**Summary:** "Whenever a token is locked or in a suspended state, the agent does not provide any specific message on the passcode validation screen. It only shows "we were unable to verify your account. Please check you with your local administrator".
SAS-59950	**Summary:** In Linux, Authentication fails after adding configuration with SafeNetOTPRealm.json by using bsid key path. **Workaround:** Use Manual Configuration of the realm as mentioned in the Installation Guide.
SAS-60071	**Summary:** Issues with new Admin console of Keycloak server 19 **Workaround:** Disable the new admin console by adding `features-disabled=admin2` in {keycloakDirectory}\conf\keycloak.conf file.

Compatibility

The information in this document applies to:

SAS PCE / SPE Requirements

SafeNet Authentication Service PCE/ SPE v3.16 and above is supported.

> **NOTE** For SAS User Federation, SafeNet Authentication Service PCE/ SPE v3.16 or above is required. Refer **Configure SAS User Federation** section in *Keycloak Agent Administration Guide* for more information.

Supported Platforms

The SafeNet Agent for Keycloak is supported by Java compatible operating systems (Linux or Windows).

Other Requirements

> Oracle JDK 8 – JDK 11, OpenJDK 11.

> Any utility to unpack zip or and tar.gz

> At least 512MB of RAM

> At least 1GB of disk space

> **NOTE** These requirements are derived from official Keycloak recommendations. Refer to the Sever Installation and Configuration Guide.

Supported Keycloak Versions

> Keycloak Server version 19.0.3

> **NOTE** For Keycloak Server version 12-15, use Keycloak Agent 1.2.0.

Product Documentation

The following documentation is associated with this product:

> Keycloak Agent Administration 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.

Support Contacts

If you encounter a problem while installing, registering, or operating this product, please refer to the documentation before contacting support. If you cannot resolve the issue, contact your supplier or Thales Customer Support.

Thales 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 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

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.