

RELEASE NOTES

Date: 5-Dec-23

Subject: Software changes, updates, bug fixes, etc.

Software: Fortanix Data Security Manager SaaS

Version: 4.24

OVERVIEW

This document provides an overview of new features, general improvements, and resolved issues in the Fortanix Data Security Manager (DSM) SaaS 4.24 release.



NOTE:

- This release is for **SaaS only** and is not available for on-premises installations. Updates in this release will be part of a future on-premises release.

ENHANCEMENTS TO EXISTING FEATURES

- The Fortanix DSM user interface (UI) disallows rotation of linked multi-region AWS KMS keys copied from Fortanix DSM into AWS KMS (JIRA: ROFR-4510).

Key Rotation

☐ Deactivate original key after rotation

☒ Generate new key ☐ Rotate to an existing key

New key

The old key will be renamed automatically, and the new key will get the original name

AESKey

Security Object Description

Test, AES, 256 bits

EDIT

Deactivation Date

Never

EDIT

☒ Rotate linked keys

0/2 selected

☐ Select All

Search

☐ AESKey_Copy (copied at 2023-11-27 02:33:07.094)

AWSGroup

CANCEL

ROTATE KEY

RELEASE NOTES

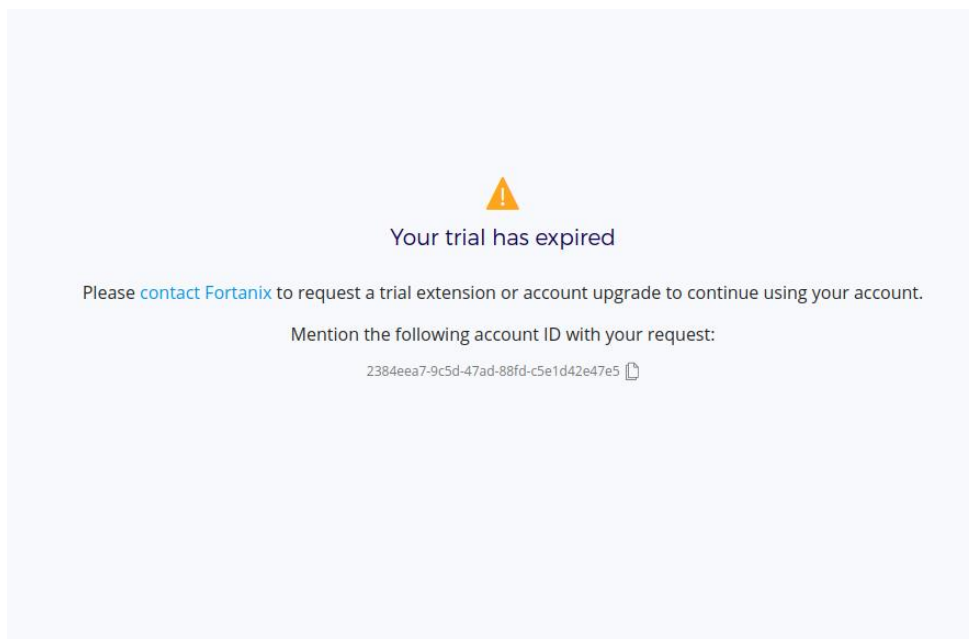
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- The Account ID is now included in the DSM SaaS “Expired Trial” message (JIRA: ROFR-4596).
- The DSM SaaS Trial account expiry status now clearly reflects the source of the issue (JIRA: ROFR-4133).



OTHER IMPROVEMENTS

- The audit log for `GoogleServiceAccount` application - get credential API is disabled (JIRA: PROD-7515).
- Added support to convert a key from PKCS1 to PKCS8 format (JIRA: PROD-7835).

DSM-ACCELERATOR IMPROVEMENTS

- **DSM-Accelerator Webservice:**
 - Added support for integration of Snowflake external tokenization function with DSM-Accelerator Webservice

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deployed on AWS Lambda (**JIRA: PM-124**). For more details, refer to

[Snowflake with DSM-Accelerator Webservice](#).

INTEGRATIONS/USE CASES

- **Added support to sign Git commits using Fortanix DSM (**JIRA: PM-172**).**

For more details, refer to [DSM for Git commit Signing](#).

BUG FIXES

- Fixed an issue where support for selecting the following new DSM App permissions when creating a GCP EKM application for Google EKM Control Plane service was not working (**JIRA: ROFR-4393**).
 - Get Info
 - Get Public Key
- Fixed an issue where the user was unable to log in to DSM SaaS using a multi-factor authentication (MFA) device registered on a different DSM SaaS cluster (**JIRA: ROFR-4624**).
- Fixed a page crash when creating an app from the group detailed view (**JIRA: ROFR-4617**).
- Fixed an issue where the user was unable to add a comment while declining a Quorum approval request (**JIRA: ROFR-4530**).
- Fixed an issue where the user was able to create a new user without a name (**JIRA: ROFR-4525**).
- Fixed an issue where Fortanix DSM did not support get operation with key format type pkcs8 formatting (**JIRA: PROD-7694**).
- Fixed an issue where rotating an AES key to an existing DSM key shows "Tokenization" keys in the list and vice versa (**JIRA: ROFR-4513**).
- Fixed an issue where importing a Secret key did not allow the selection of "Derive Key" permission (**JIRA: ROFR-4507**).

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- Fixed an issue in AWS and Azure group where the “**ADD TAG**” button was incorrectly labeled as “**ADD ATTRIBUTE**” (**JIRA: ROFR-4463**).
- Fixed an issue where the Usage API returned incorrect "operations count" (**JIRA: PROD-7307**).

KNOWN ISSUES

- Issue where the Batch API succeeds even though some APIs within it failed (**JIRA: ROFR-4508**).
- The sync key API returns a “400 status code and response error” if its short-term access token expires during the synchronization of a group linked to AWS KMS (**JIRA: PROD-3903**). **Workaround:** increase the timeout of the temporary session token beyond the expected duration of the sync key operation.
- `exclude` does not work in the `proxy` configuration for operations such as attestation (**JIRA: PROD-3311**).
- Rotating a GCP BYOK key to a pre-existing Fortanix DSM-hosted key (**Rotate to DSM key**) is not supported (**JIRA: PROD-6722**).

Workaround: You can manually copy an existing AES 256 key from a normal DSM group to a GCP-backed group. This key automatically becomes the currently active crypto key version in the GCP key ring.

- The “Rotate linked key” feature fails with an error for keys in an externally backed group where the external entity is a Google Cloud Platform key ring (**JIRA: PROD-6828**).

Workaround: You must first manually rotate the source key in the regular DSM group and then copy the rotated key to the GCP group.

- If an Azure key is rotated and then soft-deleted, only one version of the key is soft-deleted (**JIRA: PROD-6947**).

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Workaround: Perform a key scan in DSM to synchronize the key state with Azure.

- The `create` operation for security object creation does not work for the Azure Managed HSM plugin (**JIRA: PROD-7078**).
- The retry mechanism does not work as expected in the DSM-Accelerator Webservice (**JIRA: PROD-7068**).
- Copying an RSA or EC key from a normal DSM group to an AWS KMS-backed DSM group does not work as expected and results in an error (**JIRA: PROD-7787**).

Workaround: Export the RSA or EC key from the normal DSM group and import it into the AWS KMS-backed DSM group.

BEST PRACTICES

Because our quality assurance process includes continuous security testing, Fortanix recommends keeping all Fortanix products updated with the latest releases as soon as possible. As an overall strategy to reduce risk exposure, customers are encouraged to follow best practices, which include:

- Always keep the product version up to date.
- Only issue accounts to trusted administrators.
- Utilize strong passwords.
- Monitor logs.

SUPPORT

For any questions regarding this release note, please contact support@fortanix.com

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