**RELEASE NOTE**

**Date:** 28-Feb-22

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

**Software:** Fortanix Confidential Computing Manager

**Version**: 3.14

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## OVERVIEW

This document provides an overview of improvements, bug fixes, and known issues in the Fortanix Confidential Computing Manager (CCM) 3.14 release.

## PREREQUISITES

- A container registry account to push the converted application container Image(s).
- A subscription account on Azure Portal to create Compute Node/s.

## IMPROVEMENTS

- CCM SaaS:
  - Redesigned the UI for the **Tasks** details page. Node attestation, App certificate issuance, Image whitelist, and App domain whitelist have been overhauled to display more information about the tasks. The Fortanix CCM **Dashboard** page and the **Notifications** menu now link directly to the tasks, rather than the list page.
  - Improved the Fortanix CCM login screen to work better with password managers even when the password field is hidden (when SSO is selected).
- Enclave-OS:
  - The default encrypted directories like `/tmp`, `/run` will not be disabled when the root is marked as a read-write directory. They will be marked read-write only if explicitly specified.

## BUG FIXES

- CCM SaaS fixes:

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- o Fixed an issue where the Fortanix CCM account invitation emails will now contain the "**Accept invitation**" button directed to the "/accounts" page under the base URL. For example, where previously the link might reference "https://ccm.fortanix.com", it will now reference "https://ccm.fortanix.com/accounts".
  - o Fixed an issue where the Fortanix CCM Compute Nodes table displays the public IP of the node enrolled instead of the private IP.
  - o Fixed an issue that now limits the `mrenclave` during image creation to hex-encoded values.
  - o Fixed an issue where the incorrect color scheme might be applied to a page in case an error occurs.
  - o Fixed a crash on the Compute Node detailed view in case the certificate is not available.
- Enclave-OS fixes:
  - o Fixed a panic that occurs when encrypting large directories such as a GIT repository.
  - o Fixed incorrect return values for `lseek` calls with offsets greater than 2GB.

**KNOWN ISSUES**

- CCM SaaS issues:
  - o The `get PCK cert` API does not require authentication currently.
  - o Node agents are presenting an invalid certificate chain length.
  - o The converter should throw an error if the certificate key is not in an encrypted folder.
  - o A user session expires:

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- When switching from an account with new features (app, configs, datasets, and workflows) to an account without new features.
    - When a user accesses a draft/approved workflow created by another user.
  - No framing is applied for sending Syslog messages over TCP.
  - Nitro Converter does not return an error during conversion even when the output image credentials are wrong.

**LIMITATIONS**

Fortanix has a fair usage policy in this Early Customer Access Program. Hence, Fortanix has limited the resources one can create per account. Therefore, it is expected to observe a resource creation failure message once you have reached the max limit.

To report an issue/bug, visit https://support.fortanix.com/hc/en-us/requests/new.

**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. Additionally, 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.

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## NODE AGENT DOWNLOAD

- **Download link for SGX Platform:** https://support.fortanix.com/hc/en-us/articles/360043407012-Fortanix-Node-Agent-Software-Intel-SGX-Platform

- **Download link for AWS Nitro Platform:** https://support.fortanix.com/hc/en-us/articles/4412575587732-Fortanix-Node-Agent-Software-AWS-Nitro-Platform

  📌 **NOTE:** The current version of the node agent on Azure Marketplace will not create certificates.

## SUPPORT

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

## DISCLAIMERS

Fortanix CCM Release Notes

Release 3.14