Compute Firmware Bundle 12.2.109 Release Notes

HCI

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Compute Firmware Bundle 12.2.109 Release Notes

The downloadable compute node firmware package contains the latest BIOS and BMC feature enhancements, bugfixes, and hardware support for all supported NetApp HCI compute nodes.

What's New

Version 12.2.109 introduces BMC support for the DMTF Redfish APIs, which enables future functionality for NetApp Hybrid Cloud Control. The firmware updates also contain general bugfixes and resolve memory issues. The BMC updates for H300E, H500E, and H700E compute nodes address several security vulnerabilities, including CVE-2019-16649, CVE-2019-16650, and CVE-2019-6260.

This firmware package contains the following firmware versions for hardware components, with updated versions in bold:

Component	H300E, H500E, H700E	H410C	H610C	H615C
BIOS	NA2.1	**NA3.7**	**3B01**	3B06.CO
BMC	**6.84.00**	6.71.06	**3.96.07**	**4.64.07**
NIC / Mellanox	14.21.1000	14.21.1000	14.22.1002	14.23.1020

To download the compute node firmware package:

1. Go to the NetApp HCI downloads page.
2. Choose **Compute_Firmware_Bundle** from the drop down list.
3. Click **Go**.

Visit Update compute node firmware for instructions on updating your compute node firmware.

Resolved issues

The following are issues that have been resolved in this release.

Issue	Description
PE-10306	When you upgrade the BMC software on an Element 11.8 storage node, BMC user credentials are lost.

Issue	Description
CSESF-26	In some circumstances, H610C nodes can exhibit intermittent fan noise.
CSESF-293	When you upgrade to the version 12.2.92 compute node firmware on a H410C, H610C, H300E, H500E, or H700E node, version 14.21.1000 of the Mellanox network interface card (NIC) firmware is installed, even if it was previously at a newer version.
CSESF-352	TLS versions 1.0 and 1.1 suffer from security vulnerabilities. This release disables TLS 1.0 and 1.1 for H610C and H615C compute nodes.

Known issues

The following are known issues in this release that might affect daily operation in some environments.

Issue	Description	Workaround
CSESF-295	The compute node firmware update process fails with a BIOS update error when you update the firmware on a H410C node using the downloadable firmware package.	Manually update the BIOS to version NA3.7 on the H410C node: 1. Browse to the NetApp HCI Downloads page. 2. Enter `H410C_BIOS_3.7` in the drop down list text field. 3. Click **Go**. Instructions for updating are available in PDF format on the download page. After you update the BIOS and BMC, update the H410C node firmware using the compute firmware 12.2.109 package.

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