



# Compute firmware 12.2.92 Release Notes

## HCI

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# Table of Contents

Compute firmware 12.2.92 Release Notes.....	1
What's New .....	1
Known issues.....	1

# Compute firmware 12.2.92 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 12.2.92 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	<b>6.84.00</b>	6.71.06	<b>3.96.07</b>	<b>4.64.07</b>
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.

## Known issues

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

Issue	Issue type	Description	Workaround
CSESF-295	Software	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.	<p>Manually update the BIOS to version NA3.7 on the H410C node:</p> <ol style="list-style-type: none"> <li>1. Browse to the <a href="#">NetApp HCI Downloads page</a>.</li> <li>2. Enter <b>H410C_BIOS_3.7</b> in the drop down list text field.</li> <li>3. Click <b>Go</b>.</li> </ol> <p>Instructions for updating are available in PDF format on the download page.</p> <p>After you update the BIOS and BMC, update the H410C node firmware using the compute firmware 12.2.92 package.</p>

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