



# Compute Firmware Bundle 2.76 Release Notes

HCI

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May 26, 2021

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# Compute Firmware Bundle 2.76 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 2.76 contains general bugfixes.

## Updated firmware components

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	<b>NATP3.9</b>	3B03	3B08.CO
BMC	6.84.00	6.71.18	4.00.07	4.68.07
NIC / Mellanox	14.25.1020	14.25.1020	14.25.1020	14.24.1000

## Changes in firmware components

Here are the details of the improvements and changes included in each new firmware component:

Node and firmware component	Improvements and changes
<b>NATP3.9</b>	<ul style="list-style-type: none"><li>• CSESF-284 Tatoonie + BMC 6.71.18 does not report when PPR function work success event.</li><li>• CSESF-289 NA3.7 BIOS does not have the ability to report a success on hPPR (hard PPR).</li><li>• Updated SKX ucode to 0x6906 and CLX ucode to 0x2F01.</li></ul>

## Mellanox NIC firmware driver compatibility

The updated Mellanox firmware versions 14.25.1020 and 14.24.1000 are compatible only with the following versions of the VMware ESXi driver:

- **ESXi 7.0:** H300E/H500E/H700E/H410C: Version 4.19.16.1
- **ESXi 7.0:** H610C/H615C: Version 4.17.15.16
- **ESXi 6.7:** Version 4.17.15.16
- **ESXi 6.5:** Version 4.16.13.5



Before upgrading to version 2.76, make sure you check the current ESXi driver version. If the driver is out of date, upgrade the driver first. Then upgrade the compute firmware to version 2.76 for your compute nodes. Visit [Update compute node drivers](#) for instructions on updating your compute node drivers, which include the ESXi driver.

While NetApp Deployment Engine 1.8P1 does not deploy ESXi version 7.0, ESXi 7.0 is supported as a self-install or manual upgrade option. When you manually install or upgrade host OSes, NetApp cannot control the drivers and firmware for these OSes.

## Download Compute Firmware Bundle 2.76

To download the Compute Firmware Bundle:

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 security vulnerabilities

The following are security vulnerabilities that have been resolved in this release:

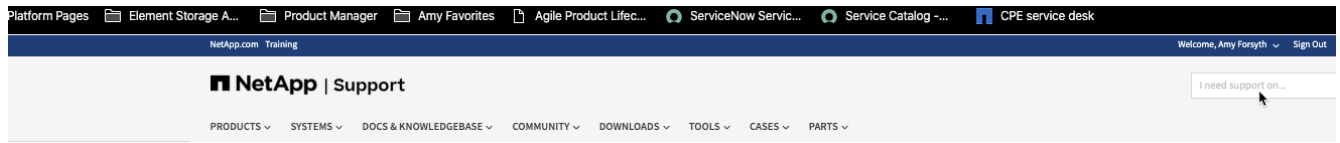
- CVE2020-0548, CVE2020-0549
- CVE2019-11157, CVE2019-14607

## Resolved and known issues

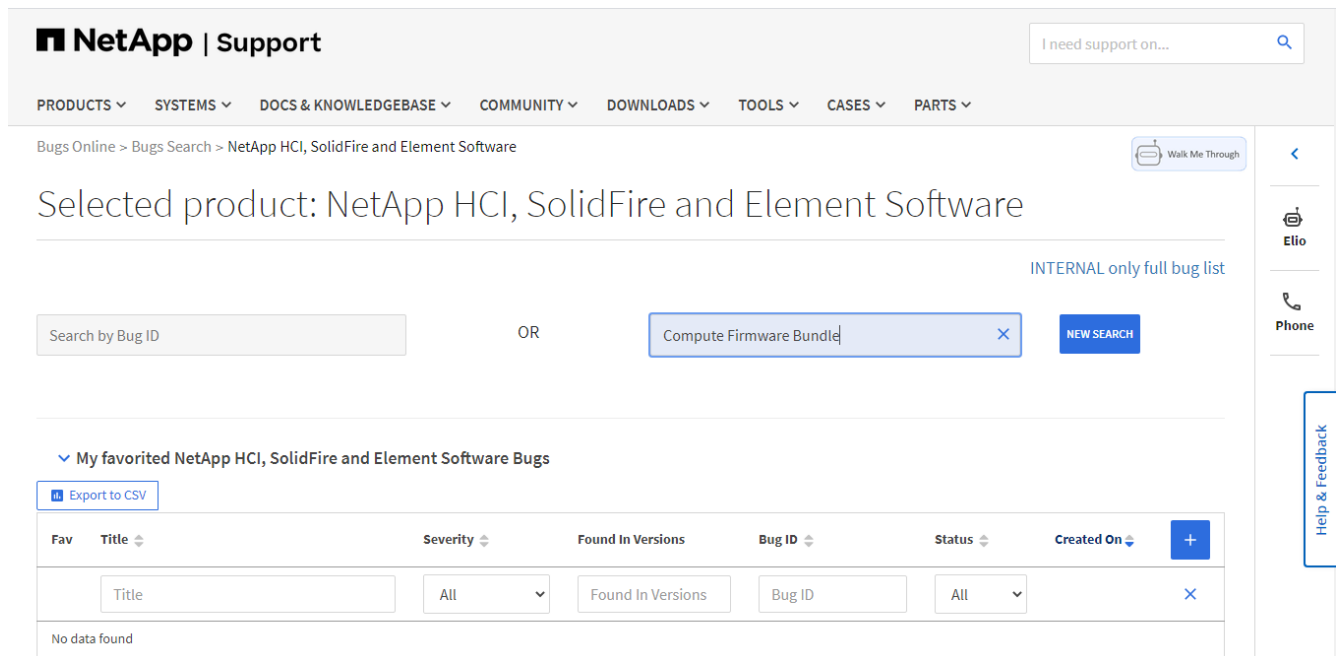
See the [Bugs Online tool](#) for details of issues that have been resolved and for any new issues.

### Accessing the BOL tool

1. Navigate to the [BOL tool](#) and select **Element Software** from the drop-down list:



2. In the keyword search field, type “Compute Firmware Bundle” and click **New Search**:



3. A list of resolved or open bugs is displayed. You can further refine the results as shown:

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Fav	Title	Severity	Fixed in Versions	Found in Versions	Bug ID	Status	Created On	
	<input type="text" value="Title"/>	All	<input type="text" value="Fixed in Versions"/>	<input type="text" value="Found in Versions"/>	<input type="text" value="Bug ID"/>	All		
☆	Element File System /var/log has free sp...			12.0, 12.2	PE-12117	Fixed	07-Jan-2021	
☆	NetApp SolidFire Enterprise SDS: Metada...			12.2	PE-11698	Rejected	02-Nov-2020	
☆	SolidFire eSDS: Element does not provide...			12.2	ELEM-15189	Fixed	23-Sep-2020	
☆	After upgrading to Element 11.8 or 12.0 ...			11.3.2, 11.5.1, 11.8, 11.3, 11.5, 12.0	PE-10956	Fixed	19-Aug-2020	
☆	Element version 11.5 or earlier allows n...			10.4, 11.0, 10.0, 10.6, 10.5, 11.3, 11.5, ...	ELEM-14003	Rejected	13-Aug-2020	
☆	Unspecified error in the NetApp Element ...			12.0, 12.2	ELEM-12709	Rejected	23-Apr-2020	
☆	ESXi host incorrectly polls for SMART da...			11.0, 11.2, 12.0, 11.5.1, 11.3.2, 11.1.1, ...	ELEM-8770	New	03-Oct-2019	
☆	Single Failed Drive Can Show Multiple Fa...			11.0, 11.2, 12.0, 11.3, 11.5.1, 11.8, 12.1, ...	ELEM-3534	New	14-Aug-2017	

## Find more information

- [Firmware and driver versions in NetApp HCI and NetApp Element software](#)

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