



Compute Firmware Bundle 2.76 Release Notes

HCI

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

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 If the driver is out of date, upgrade the driver first.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:

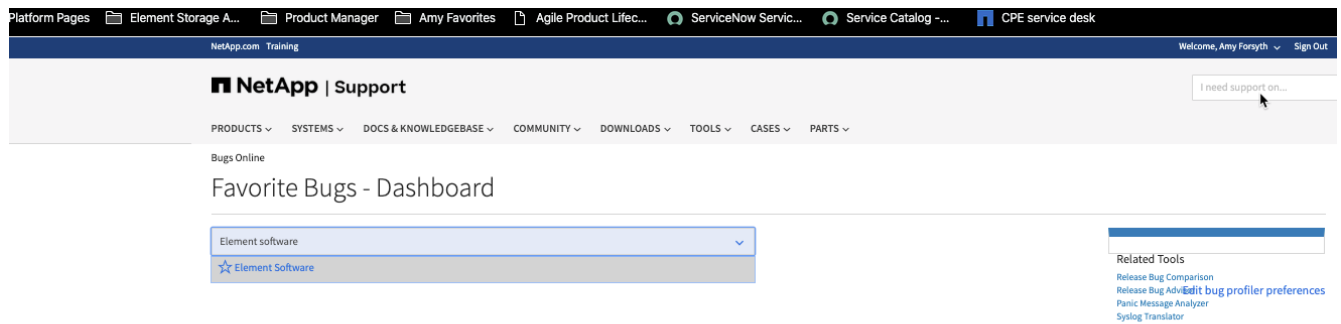
- CVE2020-0548, CVE2020-0549
- CVE2019-11157, CVE2019-14607

Resolved and known issues

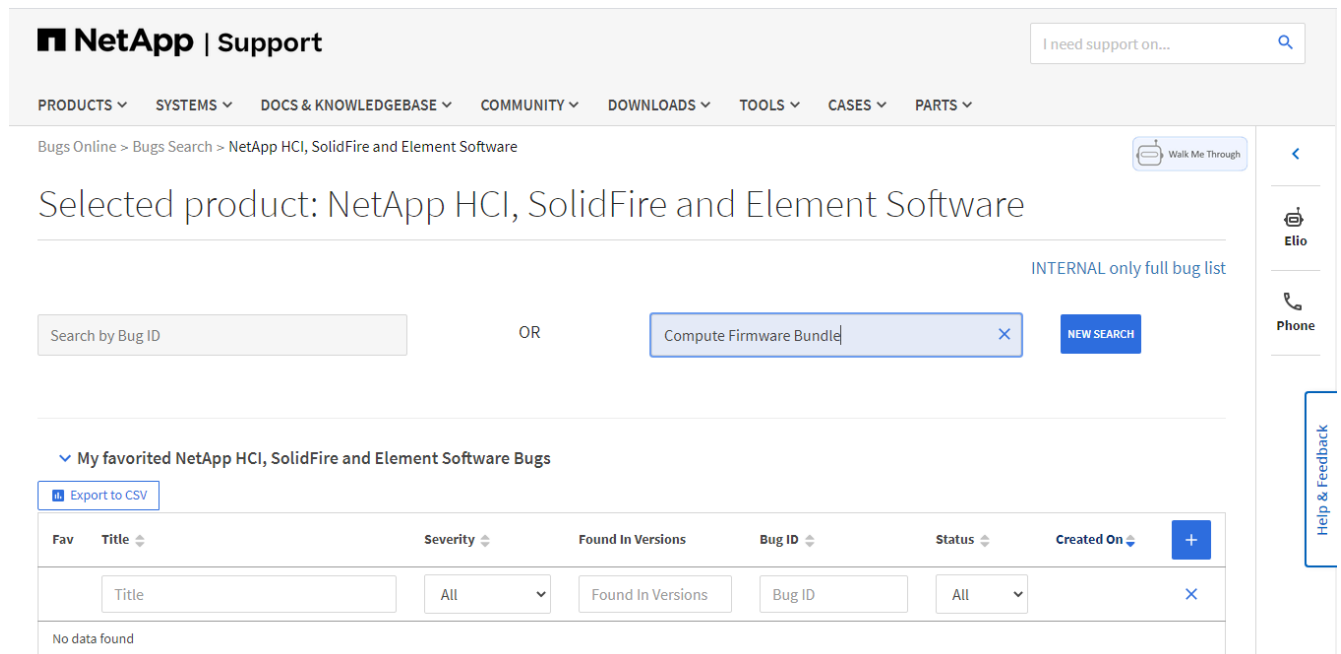
See the [Bugs Online tool](#) for details of issues that have been resolved and for any new issues.

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:

| Export to CSV | | | | | | | |
|---------------|---|----------------------------------|--|---|-------------------------------------|----------------------------------|--------------------------------|
| Fav | Title | Severity | Fixed In Versions | Found In Versions | Bug ID | Status | Created On |
| | <input type="text" value="Title"/> | <input type="text" value="All"/> | <input type="text" value="Fixed In Versions"/> | <input type="text" value="Found In Versions"/> | <input type="text" value="Bug ID"/> | <input type="text" value="All"/> | <input type="text" value="X"/> |
| ☆ | 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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