Storage Firmware Bundle 2.76 Release Notes

HCI

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Storage Firmware Bundle 2.76 Release Notes

Starting with Element 12.0 and management services version 2.14, you can perform firmware-only upgrades on your H-series storage nodes using the NetApp Hybrid Cloud Control UI and REST API. This procedure does not upgrade Element software and enables you to upgrade storage firmware outside of a major Element release.

What's New

The storage firmware bundle version 2.76 contains various bug fixes and new features, including security vulnerability fixes. You can upgrade the storage firmware using the instructions in Upgrade storage firmware.

Updated firmware components

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

Component	SolidFire SF-series	H410S	H610S
BIOS	N/A	NA2.1	**3B06**
BMC	N/A	6.84.00	**3.86.07**
NIC / Mellanox	-	**14.25.1020**	**14.25.1020**
RMS200	ae3b8cc	ae3b8cc	-
RMS300	7d8422bc	7d8422bc	-
NVDIMM, Smart	-	-	3.1
BPM, Smart	-	-	2.16
NVDIMM, Micron Gen1	-	-	26.2c
NVDIMM, Micron Gen2	-	-	25.3c
PGEM, Micron	-	-	1.40
PM863, SED	GXT5404Q	GXT5404Q	-
PM863, NSED	GXT5103Q	GXT5103Q	-
PM883, SED	**HXT7904Q**	**HXT7904Q**	-
Hawk-4, SED	8ENP7101	8ENP7101	-
Hawk-4, NSED	8ENP6101	8ENP6101	-
PM963, SED	-	-	CXV8202Q
PM963, NSED	-	-	CXV8501Q
PM983, SED	-	-	**EDA5402Q**
PM983, NSED	-	-	**EDA5700Q**
CD5, SED	-	-	**0109**
CD5, NSED	-	-	**0109**

Component	SolidFire SF-series	H410S	H610S
CD5, FIPS	-	-	0108

Changes in Storage firmware components

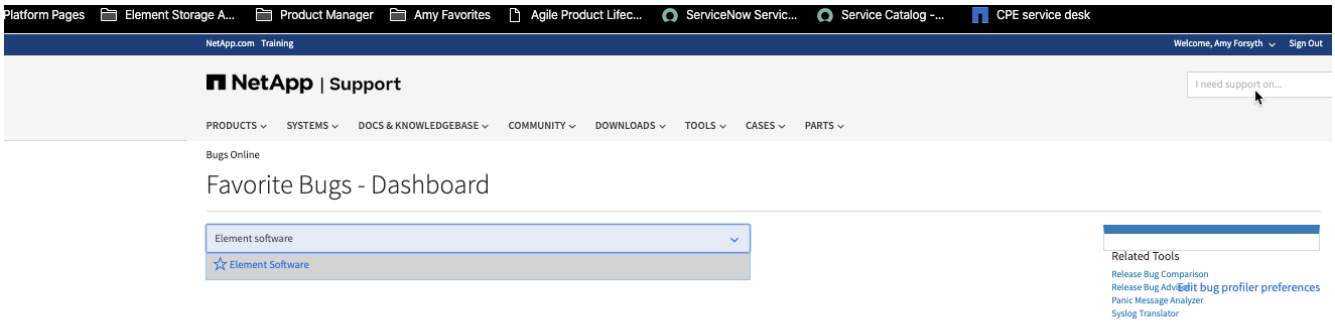
Component	Improvement/Change
H610S BIOS 3B06	• Improved handling of memory failures • Updated microcode version to MCU x6906
H610S BMC 3.86.07	• Added BIOS PPR event log parsing in BMC SEL • Prevent system overheat when BMC hangs • Changed length of Group Domain of LDAP from 64 to 128 characters
H410S/H610S NIC, Mellanox 14.25.1020	N/A
Various Drive Firmware Updates	N/A

Resolved and known issues

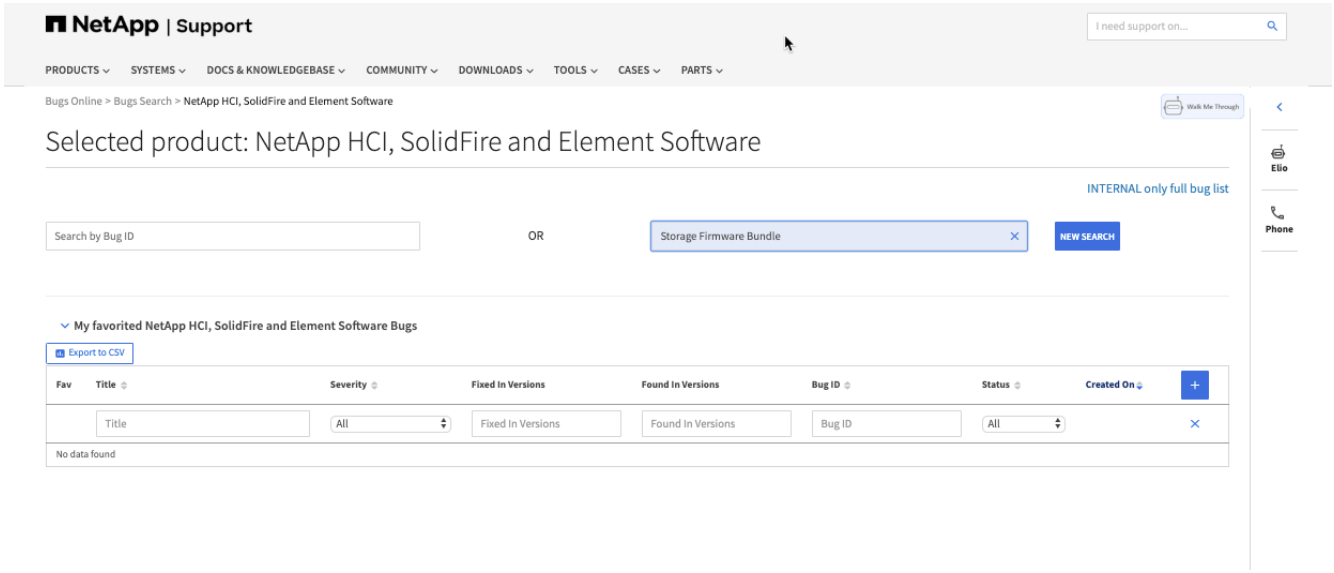
See the Bugs Online tool for details of issues that have been resolved and for any new issues.

Accessing the BOL tool

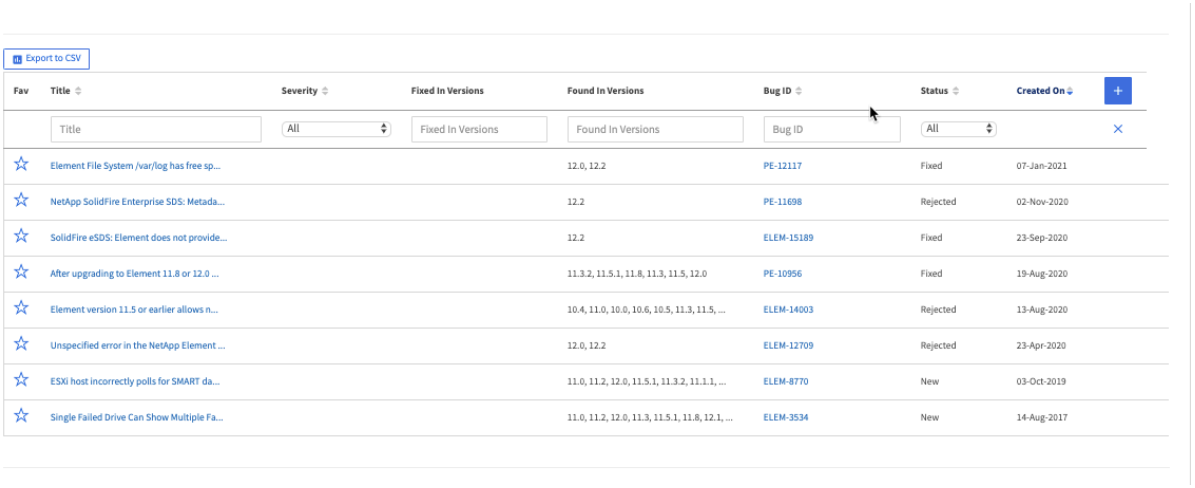
1. Navigate to the BOL tool and select **Element Software** from the drop-down list:



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



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



Resolved security vulnerabilities

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

H410S BMC 6.84.00

- CVE-2020-0542, CVE-2020-0532, CVE-2020-0538, CVE-2020-0534, CVE-2020-0541, CVE-2020-0533, CVE-2020-0537, CVE-2020-0531
- CVE-2020-0535, CVE-2020-0536, CVE-2020-0545, CVE-2020-0540, CVE-2020-0566, CVE-2020-0539, CVE-2020-0586, CVE-2020-0594
- CVE-2020-0595, CVE-2020-0596, CVE-2020-8674, CVE-2020-0597 CVE-2020-0543 CVE-2020-0548, CVE-2020-0549

H610S BMC 3.84.07

- CVE-2019-20636
- CVE-2019-11599, CVE-2020-12826, CVE-2020-12464, CVE-2020-12114

- CVE-2016-3706, CVE-2011-5320, CVE-2015-8984, CVE-2015-8983, CVE-2015-8982, CVE-2006-7254, CVE-2005-3590

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