VMware Deliverable Release Notes

This document does not apply to HPE Superdome servers. For information on HPE Superdome, see the following links:

HPE Integrity Superdome X
HPE Superdome Flex

Information on HPE Synergy supported VMware ESXi OS releases, HPE ESXi Custom Images and HPE Synergy Custom SPPs is available at:

OS Support Tool for HPE Synergy

Information on HPE Synergy Software Releases is available at:

HPE Synergy Software Releases - Overview

Gen12 SPP 2026.05.00.00 Release Notes for VMware ESXi 8.0 U3

BIOS - System ROM Top

ROM Flash Firmware Package - HPE ProLiant Compute DL110/EL140 Gen12 (U77) Servers
Version: 1.40_04-02-2026 **(Recommended)**
Filename: U77_1.40_04_02_2026.fwpkg; U77_1.40_04_02_2026.json

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with Intel Kaseyville Granite Rapids-D XCC PV & HCC PLR4 BKC update.

Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | HPE Support.

Deliverable Name:

HPE ProLiant Compute DL110/EL140 Gen12 System ROM - U77

Release Version:

1.40_04-02-2026

Last Recommended or Critical Revision:

1.40_04-02-2026

Previous Revision:

1.30_02-06-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logo to reflect the new HPE corporate identity. Updated integrated NIC firmware to version 4.07 for DL110/EL140 Gen12. Updated VROC driver to 9.3.0.1132.

Added multi-language support (Chinese and Japanese) for RBSU setup menus, Boot Configuration, NVMe-oF configuration, Secure Boot configuration, Key Manager, and Factory Options.

Added logic to prevent personally identifiable information (PII) from being written to AHS logs while retaining visibility on the serial console.

Added BootNext and CQTBOOTNEXT synchronization to ensure the iLO One-Time Boot option is cleared after the selected UEFI target has been launched, preventing unintended repeat boots.

Updated SMBIOS Type 9, Type 16, and Type 203 records to report CXL 2.X devices, enabling iLO and management tools to identify CXL memory controllers and slots.

Updated SMBIOS Type 234 to carry DPLL module serial and part number from FRU data for Rev.B modules on DL110/EL140 Gen12.

Improved ACPI table generation for C-state support.

Improved device name display: RBSU now falls back to the English device name for option ROMs that do not provide multi-language strings.

Problems Fixed:

Addressed an issue where the power-off action initiated from OneView could fail, causing the server profile not to be processed as expected.

Addressed an issue where NVMe drives could produce duplicate boot option entries after OS installation due to physical location information being incorrectly included in the structured string.

Addressed an issue where system crash log–related information could not be exported from AHS logs.

Addressed an issue where the OCP PCIe Auxiliary Power slot option in RBSU displayed the wrong OCP slot number on platforms where CPLD and PCA OCP numbering are reversed.

Addressed an issue to update SMBIOS Type 4 Maximum Processor Speed to 3500 MHz for DL110/EL140 Gen12 per specification.

Mitigates CVE-2026-22796: a type confusion vulnerability in the OpenSSL library's PKCS#7 signature verification path that could allow a denial-of-service condition when processing malformed PKCS#7 data.

Addressed an issue where the DIMM MapOut reason field in SMBIOS Type 232 displayed 0x00 after reboot DL110/EL140 Gen12. The HOB-first priority algorithm now correctly persists MapOut reason data across resets.

Addressed an issue where the VerifyMode setting had no display value in the Embedded UEFI Shell due to a string buffer allocation that did not account for the null terminator.

Addressed an issue where no SMBIOS Type9 records created for OCP slots when there is no devices installed in these slots.

Addressed an issue where system device names in RBSU might be incorrect in Japanese-language mode.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with Intel Kaseyville Granite Rapids-D XCC PV & HCC PLR4 BKC update.

Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | HPE Support.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the power-off action initiated from OneView could fail, causing the server profile not to be processed as expected.

Addressed an issue where NVMe drives could produce duplicate boot option entries after OS installation due to physical location information being incorrectly included in the structured string.

Addressed an issue where system crash log–related information could not be exported from AHS logs.

Addressed an issue where the OCP PCIe Auxiliary Power slot option in RBSU displayed the wrong OCP slot number on platforms where CPLD and PCA OCP numbering are reversed.

Addressed an issue to update SMBIOS Type 4 Maximum Processor Speed to 3500 MHz for DL110/EL140 Gen12 per specification.

Mitigates CVE-2026-22796: a type confusion vulnerability in the OpenSSL library's PKCS#7 signature verification path that could allow a denial-of-service condition when processing malformed PKCS#7 data.

Addressed an issue where the DIMM MapOut reason field in SMBIOS Type 232 displayed 0x00 after reboot DL110/EL140 Gen12. The HOB-first priority algorithm now correctly persists MapOut reason data across resets.

Addressed an issue where the VerifyMode setting had no display value in the Embedded UEFI Shell due to a string buffer allocation that did not account for the null terminator.

Addressed an issue where no SMBIOS Type9 records created for OCP slots when there is no devices installed in these slots.

Addressed an issue where system device names in RBSU might be incorrect in Japanese-language mode.

Known Issues:

None

Enhancements

Updated HPE branding logo to reflect the new HPE corporate identity. Updated integrated NIC firmware to version 4.07 for DL110/EL140 Gen12. Updated VROC driver to 9.3.0.1132.

Added multi-language support (Chinese and Japanese) for RBSU setup menus, Boot Configuration, NVMe-oF configuration, Secure Boot configuration, Key Manager, and Factory Options.

Added logic to prevent personally identifiable information (PII) from being written to AHS logs while retaining visibility on the serial console.

Added BootNext and CQTBOOTNEXT synchronization to ensure the iLO One-Time Boot option is cleared after the selected UEFI target has been launched, preventing unintended repeat boots.

Updated SMBIOS Type 9, Type 16, and Type 203 records to report CXL 2.X devices, enabling iLO and management tools to identify CXL memory controllers and slots.

Updated SMBIOS Type 234 to carry DPLL module serial and part number from FRU data for Rev.B modules on DL110/EL140 Gen12.

Improved ACPI table generation for C-state support.

Improved device name display: RBSU now falls back to the English device name for option ROMs that do not provide multi-language strings.

ROM Flash Firmware Package - HPE ProLiant Compute DL320/DL340/DL340e Gen12 (U71) Servers
Version: 1.70_04-02-2026 **(Recommended)**
Filename: U71_1.70_04_02_2026.fwpkg; U71_1.70_04_02_2026.json

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with Intel Birch Stream UPLR3 and UPLR3.5 BKC updates.

Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | HPE Support.

To streamline content and avoid duplication across documents, starting the Gen12 platform, the UEFI Workload Based Profiles and Tuning Guide has been deprecated, and the contents of this document are now available as part of the current UEFI System Utilities User Guide for HPE Compute Gen12 servers based on iLO7 (https://hpe.com/support/UEFIG12-iLO7-UG-en).

Deliverable Name:

HPE ProLiant Compute DL320/DL340 Gen12 System ROM - U71

Release Version:

1.70_04-02-2026

Last Recommended or Critical Revision:

1.62_02-06-2026

Previous Revision:

1.62_02-06-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logo to reflect the new HPE corporate identity.

Added new RBSU option to configure the Intel Platform Communications Technology (PCT) feature for PCT-capable processors.

Problems Fixed:

Addressed an issue where the system might hang at the memory initialization stage when reading crash logs.

Addressed an issue where the power-off action initiated from OneView could fail, causing the server profile not to be processed as expected.

Addressed an issue where NVMe drives could produce duplicate boot option entries after OS installation due to physical location information being incorrectly included in the structured string.

Addressed an issue where the iLO One-Time Boot option was not cleared after the selected boot target was launched.

Addressed an issue where the Intel PTAT tool could fail to launch.

Addressed an issue where system crash log–related information could not be exported from AHS logs.

Addressed an issue where system device names in RBSU might be incorrect in Japanese-language mode.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with Intel Birch Stream UPLR3 and UPLR3.5 BKC updates.

Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | HPE Support.

To streamline content and avoid duplication across documents, starting the Gen12 platform, the UEFI Workload Based Profiles and Tuning Guide has been deprecated, and the contents of this document are now available as part of the current UEFI System Utilities User Guide for HPE Compute Gen12 servers based on iLO7 (https://hpe.com/support/UEFIG12-iLO7-UG-en).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system might hang at the memory initialization stage when reading crash logs.

Addressed an issue where the power-off action initiated from OneView could fail, causing the server profile not to be processed as expected.

Addressed an issue where NVMe drives could produce duplicate boot option entries after OS installation due to physical location information being incorrectly included in the structured string.

Addressed an issue where the iLO One-Time Boot option was not cleared after the selected boot target was launched.

Addressed an issue where the Intel PTAT tool could fail to launch.

Addressed an issue where system crash log–related information could not be exported from AHS logs.

Addressed an issue where system device names in RBSU might be incorrect in Japanese-language mode.

Known Issues:

None

Enhancements

Updated HPE branding logo to reflect the new HPE corporate identity.

Added new RBSU option to configure the Intel Platform Communications Technology (PCT) feature for PCT-capable processors.

ROM Flash Firmware Package - System ROM for HPE ProLiant Compute DL380a/DL580 Gen12 (U72)
Version: 1.70_04-02-2026 **(Recommended)**
Filename: U72_1.70_04_02_2026.fwpkg; U72_1.70_04_02_2026.json

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with Intel Birch Stream UPLR3 and UPLR3.5 BKC updates.

Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | HPE Support.

To streamline content and avoid duplication across documents, starting the Gen12 platform, the UEFI Workload Based Profiles and Tuning Guide has been deprecated, and the contents of this document are now available as part of the current UEFI System Utilities User Guide for HPE Compute Gen12 servers based on iLO7 (https://hpe.com/support/UEFIG12-iLO7-UG-en).

Deliverable Name:

HPE ProLiant Compute DL380a/DL580 Gen12 System ROM - U72

Release Version:

1.70_04-02-2026

Last Recommended or Critical Revision:

1.62_02-06-2026

Previous Revision:

1.62_02-06-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logo to reflect the new HPE corporate identity.

Added new RBSU option to configure the Intel Platform Communications Technology (PCT) feature for PCT-capable processors.

Problems Fixed:

Addressed an issue where the system might hang at the memory initialization stage when reading crash logs.

Addressed an issue where the power-off action initiated from OneView could fail, causing the server profile not to be processed as expected.

Addressed an issue where NVMe drives could produce duplicate boot option entries after OS installation due to physical location information being incorrectly included in the structured string.

Addressed an issue where the iLO One-Time Boot option was not cleared after the selected boot target was launched.

Addressed an issue where the Intel PTAT tool could fail to launch.

Addressed an issue where system crash log–related information could not be exported from AHS logs.

Addressed an issue where system device names in RBSU might be incorrect in Japanese-language mode.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with Intel Birch Stream UPLR3 and UPLR3.5 BKC updates.

Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | HPE Support.

To streamline content and avoid duplication across documents, starting the Gen12 platform, the UEFI Workload Based Profiles and Tuning Guide has been deprecated, and the contents of this document are now available as part of the current UEFI System Utilities User Guide for HPE Compute Gen12 servers based on iLO7 (https://hpe.com/support/UEFIG12-iLO7-UG-en).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system might hang at the memory initialization stage when reading crash logs.

Addressed an issue where the power-off action initiated from OneView could fail, causing the server profile not to be processed as expected.

Addressed an issue where NVMe drives could produce duplicate boot option entries after OS installation due to physical location information being incorrectly included in the structured string.

Addressed an issue where the iLO One-Time Boot option was not cleared after the selected boot target was launched.

Addressed an issue where the Intel PTAT tool could fail to launch.

Addressed an issue where system crash log–related information could not be exported from AHS logs.

Addressed an issue where system device names in RBSU might be incorrect in Japanese-language mode.

Known Issues:

None

Enhancements

Updated HPE branding logo to reflect the new HPE corporate identity.

Added new RBSU option to configure the Intel Platform Communications Technology (PCT) feature for PCT-capable processors.

Driver - Network Top

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0
Version: 2025.11.00 **(Recommended)**
Filename: cp068542.compsig; cp068542.zip

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the *HPE Broadcom NetXtreme-E Firmware Version,* 235.1.160000 or later, for use with this driver.

Fixes

This product fixes issue where the RoCE driver updated the RoCE priority from the Queue Pair and Address Handle context by suppressing that value and not propagating it to the L2 driver.

Enhancements

This product enhances the completion queue design to support two completion queues for each Notification Queue

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

HPE Intel ixgben Driver for VMware vSphere 8.0
Version: 2026.03.00 **(Recommended)**
Filename: cp070243.compsig; cp070243.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

- HPE recommends the firmware provided in *HPE Intel Online Firmware Upgrade Utility for VMware*, version 3.27.0 or later, for use with this driver.
- HPE recommends the firmware provided in *Intel Firmware Package For E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter*, version 1.22 or later, for use with this driver

Fixes

- This product fixed warning logs generated during driver unload.
- This product fixed PF reset reporting to VF.
- This product fixed auto-advertised speeds for E610 adapters.

Supported Devices and Features

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 560SFP+ Adapter
- HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 561T Adapter
- HPE Ethernet 10Gb 2-port 561FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- Intel E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

Intel icen Driver for VMware vSphere 8.0
Version: 2026.03.00 **(Recommended)**
Filename: cp068814.compsig; cp068814.zip

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the firmware provided in *Intel Firmware Package For E810 Ethernet Adapter*, version 4.71 or later, for use with these drivers.

Fixes

- This product fixed RDMA configuration cleanup during transitions between Native and ENS modes, as well as state changes.
- This product removed warning messages during driver unload by improving cleanup of TX scheduler configuration.
- This product fixed VLAN list cleanup during VF reset, ensuring VLAN properties can be configured correctly by the OS.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Driver - Storage Controller Top

HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0
Version: 2026.03.01 **(Recommended)**
Filename: cp068884.compsig; cp068884.zip

Important Note!

- Actual Version is 7.736.02.00

Fixes

- Fix an issue that driver unload will fail if there is any management command is outstanding

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HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).
Version: 2026.01.01 **(Recommended)**
Filename: cp069364.compsig; cp069364.zip

Important Note!

- Actual ESXi8.0 driver version is 80.4880.0.109
- Actual ESXi9.0 driver version is 90.4880.0.109
- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014, Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- For Windows 2016 driver, please use 1010.84.0.1012 in below link: XXXX
- For Windows 2019 driver, please use 1016.10.0.1004 in below link: https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7

Fixes

- Fixed an issue that device is inappropriately reported as invalid and is removed during reset.

Firmware - Network Top

Broadcom Firmware Package for BCM57412 adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957412A4121HC.fwpkg; BCM235.1.164.14_BCM957412A4121HC.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the “HPE 10GBASE-T SFP+ 30m RJ45 Transceiver” HPE PN 813874-B21 with vendor PN SP7053-HPE.
- This product fixed the issue where PCIe Negotiated Link Width is displaying as x4 instead of x8.
- This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled.
It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter

Broadcom Firmware Package for BCM57412 OCP3 adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957412N4120HC.fwpkg; BCM235.1.164.14_BCM957412N4120HC.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- This product fixed the issue where PCIe Negotiated Link Width is displaying as x4 instead of x8.
- This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled.
It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter

Broadcom Firmware Package for BCM57414 adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957414A4142HC.fwpkg; BCM235.1.164.14_BCM957414A4142HC.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled.
It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter

Broadcom Firmware Package for BCM57414 OCP3 adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957414N4140HC.fwpkg; BCM235.1.164.14_BCM957414N4140HC.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled.
It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapter:

- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter

Broadcom Firmware Package for BCM57416 adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957416A4162HC.fwpkg; BCM235.1.164.14_BCM957416A4162HC.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the “HPE 10GBASE-T SFP+ 30m RJ45 Transceiver” HPE PN 813874-B21 with vendor PN SP7053-HPE.
- This product fixes the issue where the Firmeare update failed on 4 MB flash cards.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled.
It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter

Broadcom Firmware Package for BCM57416 OCP3 adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957416N4160HC.fwpkg; BCM235.1.164.14_BCM957416N4160HC.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the “HPE 10GBASE-T SFP+ 30m RJ45 Transceiver” HPE PN 813874-B21 with vendor PN SP7053-HPE.
- This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- This product fixes the issue where the Firmeare update failed on BCM57416 4 MB flash cards .

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled.
It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter

Broadcom Firmware Package for BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957504-P425H.fwpkg; BCM235.1.164.14_BCM957504-P425H.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later

- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.164.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where, in breakout mode, a cable remove or insert failed to bring the link up because the module did not exit the DPDeactivated (Data Path Deactivated) state in time.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the “HPE 10GBASE-T SFP+ 30m RJ45 Transceiver” HPE PN 813874-B21 with vendor PN SP7053-HPE.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

Broadcom Firmware Package for BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957504-N425H.fwpkg; BCM235.1.164.14_BCM957504-N425H.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.164.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where, in breakout mode, a cable remove or insert failed to bring the link up because the module did not exit the DPDeactivated (Data Path Deactivated) state in time.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the “HPE 10GBASE-T SFP+ 30m RJ45 Transceiver” HPE PN 813874-B21 with vendor PN SP7053-HPE.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom Firmware Package for BCM57608 100GbE 2p Adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957608-P2100HQF00.fwpkg; BCM235.1.164.14_BCM957608-P2100HQF00.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where RDE "Location" property is missing under "NetworkAdapter" schema.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE

Broadcom Firmware Package for BCM57608 100GbE 2p OCP3 Adapter
Version: 235.1.164.14 **(Recommended)**
Filename: BCM235.1.164.14_BCM957608-N2100HQI00.fwpkg; BCM235.1.164.14_BCM957608-N2100HQI00.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where OS installation failed with shared nic BCM 957508-N2 100Gb/s OCP.
- This product fixes the issue where RDE "Location" property is missing under "NetworkAdapter" schema.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

Broadcom NX1 Firmware Package for BCM5719 adapter
Version: 20.35.41 **(Recommended)**
Filename: BCM5719A1907HC-4x1G-20.35.41.fwpkg; BCM5719A1907HC-4x1G-20.35.41.json

Important Note!

HPE recommends *HPE Broadcom tg3 Ethernet Drivers*, versions 3.139w or later, for use with this firmware.

Fixes

- This product fixes the issue where unique serial number in VPD (Vital Product Data) will be altered to a dummy serial number
- This product fixes the issue where Failing to Obtain iLO shared NIC DHCP IP and MCTP EID Missing during Reboot.
- This product fixes the issue where PCI Temperature sensor might be missing intermittently causing Increase in Fan Speed

Supported Devices and Features

This product supports the following network adapter:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE

Broadcom NX1 Firmware Package for BCM5719 OCP3 adapter
Version: 20.35.41 **(Recommended)**
Filename: BCM5719N1905HC-4x1G-20.35.41.fwpkg; BCM5719N1905HC-4x1G-20.35.41.json

Important Note!

HPE recommends *HPE Broadcom tg3 Ethernet Drivers*, versions 3.139w or later, for use with this firmware.

Fixes

- This product fixes the issue where unique serial number in VPD (Vital Product Data) will be altered to a dummy serial number
- This product fixes the issue where Failing to Obtain iLO shared NIC DHCP IP and MCTP EID Missing during Reboot.
- This product fixes the issue where PCI Temperature sensor might be missing intermittently causing Increase in Fan Speed

Supported Devices and Features

This product supports the following network adapter:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE

Intel Firmware Package For E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter
Version: 1.40 **(Recommended)**
Filename: HPE_E610_IT4_OCP_1p40_8000EC0A.fwpkg; HPE_E610_IT4_OCP_1p40_8000EC0A.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel ixs Driver for Microsoft Windows Server, version 4.2.7.0 or later
- Intel ixgbe Drivers for Linux, version 6.3.4-1 or later
- Intel ixgben Driver for VMware, version 2026.03.00 or later

Fixes

- This product fixed the LED behavior during AC power-on so the indicator correctly reflects the device status before the system boots.
- This product fixed an issue where IP assignment failed when iLO Sideband was enabled for the front OCP Isorno NIC.

Enhancements

- This product enhanced compatibility with HPE iLO to ensure the device’s physical location is accurately reported.
- This product enhanced compatibility with HPE iLO for Redfish functionality.

Supported Devices and Features

This product supports the following network adapters:

- Intel E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

Intel Firmware Package For E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
Version: 4.91 **(Recommended)**
Filename: HPE_E810_2CQDA2_O_SEC_4p91_PLDMoMCTP_800214AE.fwpkg; HPE_E810_2CQDA2_O_SEC_4p91_PLDMoMCTP_800214AE.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
Version: 4.91 **(Recommended)**
Filename: HPE_E810_CQDA2_4p91_PLDMoMCTP_800214AF.fwpkg; HPE_E810_CQDA2_4p91_PLDMoMCTP_800214AF.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
Version: 4.91 **(Recommended)**
Filename: HPE_E810_CQDA2_OCP_4p91_NCSIwPLDMoMCTP_800214AD.fwpkg; HPE_E810_CQDA2_OCP_4p91_NCSIwPLDMoMCTP_800214AD.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
Version: 4.91 **(Recommended)**
Filename: HPE_E810_XXVDA2_SD_4p91_PLDMoMCTP_800214AB.fwpkg; HPE_E810_XXVDA2_SD_4p91_PLDMoMCTP_800214AB.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later

- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
Version: 4.91 **(Recommended)**
Filename: HPE_E810_XXVDA2_SD_OCP_4p91_NCSIwPLDMoMCTP_800214B2.fwpkg; HPE_E810_XXVDA2_SD_OCP_4p91_NCSIwPLDMoMCTP_800214B2.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
Version: 4.91 **(Recommended)**
Filename: HPE_E810_XXVDA4_FH_4p91_PLDMoMCTP_800214B3.fwpkg; HPE_E810_XXVDA4_FH_4p91_PLDMoMCTP_800214B3.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
Version: 4.91 **(Recommended)**
Filename: HPE_E810_XXV4_OCP_4p91_NCSIwPLDMoMCTP_800214AC.fwpkg; HPE_E810_XXV4_OCP_4p91_NCSIwPLDMoMCTP_800214AC.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Mellanox Firmware Package(FWPKG) for HPE NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE
Version: 22.45.1020 **(Recommended)**
Filename: 22_45_1020-R8M41-63001_Ax_header.pldm.fwpkg

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Enhancements

Upgraded to version 22.45.1020

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P46603-B21	NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE	HPE0000000062

Mellanox Firmware Package(FWPKG) for NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE
Version: 26.45.1020 **(Recommended)**
Filename: 26_45_1020-S2A69-63001_Ax_header.pldm.fwpkg

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Enhancements

Upgraded to version 26.45.1020

Supported Devices and Features

HPE SKU Part Number	Mellanox Ethernet Only Adapters	PSID
S2A69A	NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE	HPE0000000077

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B23 and P45641-H23
Version: 28.48.1000 **(Recommended)**
Filename: 28_48_1000-MCX75310AAS-NEAT_HPE2_Ax.pldm.fwpkg; 28_48_1000-MCX75310AAS-NEAT_HPE2_Ax.pldm.json

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

Choose the appropriate firmware file format based on your preference and what suits your environment.

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to http://www.nvidia.com/, you are then leaving HPE.com. Please follow the instructions on http://www.nvidia.com/ to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from http://www.nvidia.com/, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx7firmwarev28481000/known-issues

Fixes

The following issues have been fixed in version 28.48.1000:

- An interoperability issue where, when ConnectX-7 communicates with ConnectX-8 using the probe-based algorithm, bandwidth could become extremely low due to probe packets being dropped.
- The DPA kernel used unsafe ICM access during process creation/modification, which would cause the DPA kernel to hang during FLR.

- User Debugger “query caps” returned only the number of capabilities, not the capability bitmap.
- Race condition in standby/boot power sequencing. In certain timing windows, port power-down would be delayed such that the power-up flow detected the port still transitioning to power-down, causing the sequence to fail and leaving the port stuck in a powered-down state.
- mlxlink reported 0 values for SNR (media and host) due to incorrect local port mapping in firmware and an incorrect page number used by MFT.
- Due to an SMBus release race condition, the I2C bus would become stuck.
- Fuse values were not aligned with the updated values burned across different ConnectX-7 setups.
- Issue in the steering definers used for LAG with IPv6 traffic.
- A spurious CNP was sent in response to an out-of-sequence packet.
- The root complex sent MCTP-over-PCI messages before a BDF was assigned, causing responses to be sent with BDF 0. The fix ensures that MCTP messages routed by ID are ignored until a valid BDF is assigned.
- The steering tables were not updated after enabling partial Spectrum-X capabilities (BTH.AR) via LLPD.
- When decapsulation on a packet occurred, the FCS indication was not calculated correctly.
- In IB system, RTT_response_sl feature did not work with Sniffer tools (e.g., Wireshark/Tcpdump/).

Enhancements

New features and changes included in version 28.48.1000:

- Improved the ADP-RETX algorithm to avoid re-arming without performing a retransmission.
- The DOCA PCC NP application now enables the NIC to insert the RTT response transmit timestamp in hardware, reducing software-induced jitter and improving the accuracy and consistency of RTT measurements.
- The system-wide limit for DPA processes has been reduced to 30. This total includes both user processes across all GVMIs and internal ProgCC processes. The max_dpa_processes value reported to the user is calculated as: max_dpa_processes=30−number_of_progcc_processes
- Added MAD (Management Datagram) access to the new Adaptive Retransmission Histogram registers. Users can configure the histogram by issuing VSP MAD GET/SET operations to ADP_RETX_HISTOGRAM_CONFIG (0xC01D), and retrieve histogram data via VSP MAD GET to ADP_RETX_HISTOGRAM_READ (0xC01E) (using the required VSP MAD header values and TLV format). This enables configuring and collecting adaptive retransmission timeout statistics through the MAD interface.
- Host rate limiting has been extended to support bandwidth values above 255 Gbps. To remove the previous cap, a new max_bw_value_msb field was added to est_global, providing additional MSB bits to represent higher bandwidth values. With this enhancement, firmware and host tooling can correctly configure and report rate limits beyond 255 Gbps on high-speed links.
- PLDM now supports the PDR Repository Change event type, enabling notification to the BMC when PDRs change. With this flow, the BMC can detect cable insertion/removal events.
- Added support for running save and load operations in parallel, enabling multiple contexts (e.g., multiple VFs) to be checkpointed and restored concurrently instead of serially. This reduces overall migration time and improves scalability in environments that need to migrate or recover many VFs at once.
- Extended packet modify-header operations to support set and copy actions on the NVGRE VSID (Virtual Subnet Identifier) . A new field, TUNNEL_HDR_DW_2 (0x84), enables dynamic VSID modification, adding header rewrite support for NVGRE tunnel traffic in addition to existing filtering capabilities.
- Added a new output field, migration_state, to QUERY_VHCA_MIGRATION_STATE. Software uses this field to make live-migration flow decisions, specifically to signal when it is not a good time to transition into the stop-copy stage.
- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.
  Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P45641-B23	HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter (P45641-B23 and P45641-H23)	MT_0000001120

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Generic Adapter : HPE part number P45641-H24
Version: 28.48.1000 **(Recommended)**
Filename: 28_48_1000-MCX75310AAS-NEA_Ax.pldm.fwpkg; 28_48_1000-MCX75310AAS-NEA_Ax.pldm.json

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

Choose the appropriate firmware file format based on your preference and what suits your environment.

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx7firmwarev28481000/known-issues

Fixes

The following issues have been fixed in version 28.48.1000:

- An interoperability issue where, when ConnectX-7 communicates with ConnectX-8 using the probe-based algorithm, bandwidth could become extremely low due to probe packets being dropped.
- The DPA kernel used unsafe ICM access during process creation/modification, which would cause the DPA kernel to hang during FLR.
- User Debugger “query caps” returned only the number of capabilities, not the capability bitmap.
- Race condition in standby/boot power sequencing. In certain timing windows, port power-down would be delayed such that the power-up flow detected the port still transitioning to power-down, causing the sequence to fail and leaving the port stuck in a powered-down state.
- mlxlink reported 0 values for SNR (media and host) due to incorrect local port mapping in firmware and an incorrect page number used by MFT.
- Due to an SMBus release race condition, the I2C bus would become stuck.
- Fuse values were not aligned with the updated values burned across different ConnectX-7 setups.
- Issue in the steering definers used for LAG with IPv6 traffic.
- A spurious CNP was sent in response to an out-of-sequence packet.
- The root complex sent MCTP-over-PCI messages before a BDF was assigned, causing responses to be sent with BDF 0. The fix ensures that MCTP messages routed by ID are ignored until a valid BDF is assigned.

- The steering tables were not updated after enabling partial Spectrum-X capabilities (BTH.AR) via LLPD.
- When decapsulation on a packet occurred, the FCS indication was not calculated correctly.
- In IB system, RTT_response_sl feature did not work with Sniffer tools (e.g., Wireshark/Tcpdump/).

Enhancements

New features and changes included in version 28.48.1000:

- Improved the ADP-RETX algorithm to avoid re-arming without performing a retransmission.
- The DOCA PCC NP application now enables the NIC to insert the RTT response transmit timestamp in hardware, reducing software-induced jitter and improving the accuracy and consistency of RTT measurements.
- The system-wide limit for DPA processes has been reduced to 30. This total includes both user processes across all GVMIs and internal ProgCC processes. The max_dpa_processes value reported to the user is calculated as: max_dpa_processes=30−number_of_progcc_processes
- Added MAD (Management Datagram) access to the new Adaptive Retransmission Histogram registers. Users can configure the histogram by issuing VSP MAD GET/SET operations to ADP_RETX_HISTOGRAM_CONFIG (0xC01D), and retrieve histogram data via VSP MAD GET to ADP_RETX_HISTOGRAM_READ (0xC01E) (using the required VSP MAD header values and TLV format). This enables configuring and collecting adaptive retransmission timeout statistics through the MAD interface.
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- Extended packet modify-header operations to support set and copy actions on the NVGRE VSID (Virtual Subnet Identifier) . A new field, TUNNEL_HDR_DW_2 (0x84), enables dynamic VSID modification, adding header rewrite support for NVGRE tunnel traffic in addition to existing filtering capabilities.
- Added a new output field, migration_state, to QUERY_VHCA_MIGRATION_STATE. Software uses this field to make live-migration flow decisions, specifically to signal when it is not a good time to transition into the stop-copy stage.
- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.
  Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P45641-H24	HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Generic Adapter (P45641-H24)	MT_0000000838

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter : HPE part numbers P45642-B22 and P45642-H22
Version: 28.48.1000 **(Recommended)**
Filename: 28_48_1000-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg; 28_48_1000-MCX75310AAS-HEAT_HPE2_Ax.pldm.json

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx7firmwarev28481000/known-issues

Prerequisites

FWPKG will work only if the iLO5 firmware version is 2.30 or higher.

Fixes

The following issues have been fixed in version 28.48.1000:

- An interoperability issue where, when ConnectX-7 communicates with ConnectX-8 using the probe-based algorithm, bandwidth could become extremely low due to probe packets being dropped.
- The DPA kernel used unsafe ICM access during process creation/modification, which would cause the DPA kernel to hang during FLR.
- User Debugger “query caps” returned only the number of capabilities, not the capability bitmap.
- Race condition in standby/boot power sequencing. In certain timing windows, port power-down would be delayed such that the power-up flow detected the port still transitioning to power-down, causing the sequence to fail and leaving the port stuck in a powered-down state.
- mlxlink reported 0 values for SNR (media and host) due to incorrect local port mapping in firmware and an incorrect page number used by MFT.
- Due to an SMBus release race condition, the I2C bus would become stuck.
- Fuse values were not aligned with the updated values burned across different ConnectX-7 setups.
- Issue in the steering definers used for LAG with IPv6 traffic.
- A spurious CNP was sent in response to an out-of-sequence packet.
- The root complex sent MCTP-over-PCI messages before a BDF was assigned, causing responses to be sent with BDF 0. The fix ensures that MCTP messages routed by ID are ignored until a valid BDF is assigned.
- The steering tables were not updated after enabling partial Spectrum-X capabilities (BTH.AR) via LLPD.

- When decapsulation on a packet occurred, the FCS indication was not calculated correctly.
- In IB system, RTT_response_sl feature did not work with Sniffer tools (e.g., Wireshark/Tcpdump/).

Enhancements

New features and changes included in version 28.48.1000:

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Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P45642-B22	HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter (P45642-B22 and P45642-H22)	MT_0000001119

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Generic Adapter : HPE part number P45642-H23
Version: 28.48.1000 **(Recommended)**
Filename: 28_48_1000-MCX75310AAS-HEA_Ax.pldm.fwpkg; 28_48_1000-MCX75310AAS-HEA_Ax.pldm.json

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Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P45642-H23	HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Generic Adapter (P45642-H23)	MT_0000000844

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter : HPE part numbers P65333-B21 and P65333-H21
Version: 28.48.1000 **(Recommended)**
Filename: 28_48_1000-MCX755106AC-HEAT_HPE_Ax.pldm.fwpkg; 28_48_1000-MCX755106AC-HEAT_HPE_Ax.pldm.json

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Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P65333-B21	HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter (P65333-B21 and P65333-H21)	MT_0000001108

Firmware - Storage Controller Top

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers
Version: 8.00 **(Recommended)**
Filename: HPE_SR_Gen10_8.00_A.fwpkg

Important Note!

- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014, Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- **For Windows 2016 driver, please use 1010.84.0.1012 in below link:**

  https://www.hpe.com/global/swpublishing/MTX-c523e081ab344bc4b4bc9d5686

- **For Windows 2019 driver, please use 1016.10.0.1004 in below link:**

  https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7

Fixes

- Fixed an issue that prevented drive rebuilds from restarting after unexpected power loss when media exchange was accepted in auto-replace spare configurations.
- Fixed an issue that caused auto-replace spare activation during the LOOSE_CABLE state, which could swap data drives prematurely and lead to volume failure and potential data integrity issues.
- Fixed an issue where IOPS could drop on large-capacity HDDs during Consistency Check under 4K random write workloads in RAID 1 configurations.
- Fixed an issue no-battery write cache (NBWC) can be enabled by the user in the event of a battery failure, unless the cache module itself is experiencing an error.
- Fixed an issue where ATA passthrough IDENTIFY DEVICE (0xEC) commands issued from BMC could time out due to incorrect transfer length handling.
- Fixed an issue where SSD array creation with non-deterministic drive ordering could incorrectly disable Acceralted IO on some drives, leading to performance degradation.
- Fixed an issue where the fault LED did not illuminate for a hot-removed data drive during RAID rebuild with auto replace spare enabled.
- Fixed an issue where the system could become unresponsive with lockup code as 0x1E00 when multiple out-of-band management requests were sent concurrently for the same session.
- Fixed an issue where failed or missing drives were not correctly indicated when listing drives in the HII disk utilities menu.
- Fixed an issue where PLDM Type 6 volume creation could fail on certain controllers that do not support volume caching or the IOPerfModeEnabled feature. Volume creation and update requests that explicitly disable these features (for example, setting cache policies to Off or IOPerfModeEnabled to false) are now handled correctly and will no longer be rejected.
- Fixed an issue where RDE READ could incorrectly report a split mirror backup volume as Enabled instead of StandbyOffline when the original primary volume was created via RDE CREATE. Volume usage identification was corrected to ensure accurate status reporting.
- Fixed an issue where DriveMetrics.PowerOnHours could be incorrectly reported as zero for SSDs on certain platforms. Power-on hours reporting was updated by drive type, NVMe drives reporting with DriveMetrics.NVMeSMART.PowerOnHours, SAS and SATA HDDs reporting a null value.

Enhancements

- Logical drive information menu: Enhanced to display the association between failed data drives and active spares upon drive failure.
- "Added support for the standardized Operation property in PLDM Operations arrays, providing schema-defined operation enums as below:

  – Drive Resource — Rebuild/Sanitize/Encrypt

  – Volume Resource — Initialize/Rebuild/Encrypt/ChangeRAIDLayout/ChangeStripSize/Resize.

  The legacy OperationName property remains available and is now marked as deprecated."

- Added support for StorageController status conditions ResetRecommended and ResetRequired. When configuration changes require a system reboot to take effect, the controller reports the status through both Status.Conditions and Redfish event messages.
- Enhanced RDE error messaging to provide clearer error descriptions for Volume DELETE and SED-enabled CREATE operations, returning detailed messages directly in the response payload instead of generic ExtendedInfo references.

Firmware Package - HPE Gen12 Boot Controller NS204i-u, HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r
Version: 1.2.14.1029 (B) **(Recommended)**
Filename: HPE_NS204i_1.2.14.1029_B.fwpkg; HPE_NS204i_1.2.14.1029_B.json

Important Note!

1.2.14.1018 is the minimum firmware requirement for AMD Turin DL365/385 and Intel Gen12 platforms. Downgrading NS204i firmware to version lower than 1018 will lead to MCTP failure.

- https://www.hpe.com/global/swpublishing/MTX-c75706b8a59d4d8aabc4e4cc30

For Gen10 plus server users, the NS204i firmware has to be 1.2.14.1018 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.2.14.1018 in below link:

- Windows: https://www.hpe.com/global/swpublishing/MTX-84a4e0bb354f48eaad65cf9451
- Linux: https://www.hpe.com/global/swpublishing/MTX-b6448d485ca64fd7a5d0d5f75e
- VMware: https://www.hpe.com/global/swpublishing/MTX-ad49b1acb0d4455c86460c727a

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 and Gen12 servers.
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers

Fixes

This product resolves the issue that NS204i-r and NS204i-t target guid missing in FWPKG secret header.

Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller
Version: 52.36.3-6584 **(Recommended)**
Filename: HPE_MR216i-o_Gen11_52.36.3-6584_A.fwpkg; HPE_MR216i-o_Gen11_52.36.3-6584_A.json

Important Note!

- This firmware version to be used on HPE MR216i-o Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for **chassis&Fabric support.**

Fixes

- Fix an issue that Backup Exec doesn’t work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
  - Add support for Redfish Conditions (GET)
    - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
    - Port Conditions do not display any condition other than OK
    - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
  - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
    - DriveMetrics: BadBlockCount, ReadIOKiBytes, WriteIOKiBytes, PowerOnHours, NVMeSMART (MVMeSMART attributes are supported for NVMe drive only)
    - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
    - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller
Version: 52.36.3-6584 **(Recommended)**
Filename: HPE_MR216i-p_Gen11_52.36.3-6584_A.fwpkg; HPE_MR216i-p_Gen11_52.36.3-6584_A.json

Important Note!

- This firmware version to be used on HPE MR216i-p Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for **chassis&Fabric support.**

Fixes

- Fix an issue that Backup Exec doesn’t work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
  - Add support for Redfish Conditions (GET)
    - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
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    - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
  - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
    - DriveMetrics: BadBlockCount, ReadIOKiBytes, WriteIOKiBytes, PowerOnHours, NVMeSMART (MVMeSMART attributes are supported for NVMe drive only)
    - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
    - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller
Version: 52.36.3-6584 **(Recommended)**
Filename: HPE_MR408i-o_Gen11_52.36.3-6584_A.fwpkg; HPE_MR408i-o_Gen11_52.36.3-6584_A.json

Important Note!

- This firmware version to be used on HPE MR408i-o Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for **chassis&Fabric support.**

Fixes

- Fix an issue that Backup Exec doesn’t work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
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  - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
    - DriveMetrics: BadBlockCount, ReadIOKiBytes, WriteIOKiBytes, PowerOnHours, NVMeSMART (MVMeSMART attributes are supported for NVMe drive only)
    - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
    - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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Firmware Package - HPE MR408i-p Gen11 Tri Mode Controller
Version: 52.36.3-6584 **(Recommended)**
Filename: HPE_MR408i-p_Gen11_52.36.3-6584_A.fwpkg; HPE_MR408i-p_Gen11_52.36.3-6584_A.json

Important Note!

- This firmware version to be used on HPE MR408i-p Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for **chassis&Fabric support.**

Fixes

- Fix an issue that Backup Exec doesn’t work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed

- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
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    - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
    - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller
Version: 52.36.3-6584 **(Recommended)**
Filename: HPE_MR416i-o_Gen11_52.36.3-6584_A.fwpkg; HPE_MR416i-o_Gen11_52.36.3-6584_A.json

Important Note!

- This firmware version to be used on HPE MR416i-o Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for **chassis&Fabric support.**

Fixes

- Fix an issue that Backup Exec doesn’t work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update

- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
  - Add support for Redfish Conditions (GET)
    - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
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    - DriveMetrics: BadBlockCount, ReadIOKiBytes, WriteIOKiBytes, PowerOnHours, NVMeSMART (MVMeSMART attributes are supported for NVMe drive only)
    - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
    - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller
Version: 52.36.3-6584 **(Recommended)**
Filename: HPE_MR416i-p_Gen11_52.36.3-6584_A.fwpkg; HPE_MR416i-p_Gen11_52.36.3-6584_A.json

Important Note!

- This firmware version to be used on HPE MR416i-p Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for **chassis&Fabric support.**

Fixes

- Fix an issue that Backup Exec doesn’t work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
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- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
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- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
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    - Port Conditions do not display any condition other than OK
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    - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
    - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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Firmware - Storage Fibre Channel Top

HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters
Version: 14.4.731.12 **(Recommended)**
Filename: PP14.4.731.12_header.pldm.fwpkg

Important Note!

This component is supported only on Gen12 ProLiant and Gen11 AMD servers.

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1620E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.12	14.4.731.12	14.4.716.0	14.4.718.0
HPE SN1720E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.12	14.4.731.12	14.4.716.0	14.4.718.0

Added Following Enhancements:

[RedFish]:HPE specific SFP Data - Predicted days for non working stage

[Redfish]: API to read SFP Data

Fixed the following:

SPDM - Get Certificate response returns out of bound values

Fixes

Fixed the following:

SPDM - Get Certificate response returns out of bound values

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1620E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.12	14.4.731.12	14.4.716.0	14.4.718.0
HPE SN1720E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.12	14.4.731.12	14.4.716.0	14.4.718.0

Added Following Enhancements:

[RedFish]:HPE specific SFP Data - Predicted days for non working stage

[Redfish]: API to read SFP Data

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

32Gb FC Adapter:

- HPE SN1620E 32Gb Dual port Fibre Channel Host Bus Adapter

64Gb FC Adapter:

- HPE SN1720E 64Gb Dual port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters
Version: 02.11.13 **(Recommended)**
Filename: mh021113.upd_header.pldm.fwpkg

Important Note!

Release Notes:
HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39

Supported Devices and Features

This component is supported on following HPE QLogic Fibre Channel Host Bus adapters:

32Gb Fibre Channel Host Bus Adapter:

- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

64Gb Fibre Channel Host Bus Adapter:

- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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Software - Management Top

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers
Version: 2026.03.01 **(Recommended)**
Filename: cp069350.compsig; cp069350.zip

Important Note!

- Actual ESXi8.0 ssacli version is 6.60.8.0

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

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Software - Storage Controller

Top

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)
Version: 2026.03.01 **(Recommended)**
Filename: cp068889.compsig; cp068889.zip

Important Note!

- Actual ESXi Version is 007.3604.0000.0000

Fixes

- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix an issue that PSOC update is not allowing when the part number is beyond 65535

Enhancements

- Return error when enabling encryption with 256 characters for keyid in Drive Security command
- Display the controller serial number as "NA" when not programmed

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Software - Storage Fibre Channel

Top

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0
Version: 2026.03.01 **(Recommended)**
Filename: cp068091.compsig; cp068091.zip

Important Note!

This component is supported only on Gen12 ProLiant servers.

Release Notes:
HPE QLogic Adapters Release Notes

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.
This driver is only supported on VMware ESXi 8.0u3.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

http://www.hpe.com/storage/spock/

Enhancements

Driver version 5.4.86.0
This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

32Gb Fibre Channel Host Bus Adapter:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

64Gb Fibre Channel Host Bus Adapter:

- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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Software - System Management

Top

HPE Agentless Management Bundle for ESXi for Gen11 and Gen12 Servers
Version: 802.12.6.0 **(Recommended)**
Filename: amsdvComponent_802.12.6.0.3-1.zip

Fixes

See the AMS Release Notes for information about the issues resolved in this release.

Enhancements

See the AMS Release Notes for information about the issues resolved in this release.

HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers
Version: 2026.05.01 **(Recommended)**
Filename: cp071377.compsig; cp071377.zip

Prerequisites

For HPE servers with iLO 7:

Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure

Fixes

See the AMS Release Notes for information about the issues resolved in this release.

Enhancements

See the AMS Release Notes for information about the issues resolved in this release.

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