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

Gen11 SPP 2025.01.00.00 Release Notes for VMware ESXi 8.0

BIOS - System ROM   **Top**

ROM Flash Firmware Package - HPE ProLiant DL110 Gen11 (U62) Servers
Version: 2.42_12-06-2024 **(Critical)**
Filename: U62_2.42_12_06_2024.fwpkg

Important Note!

> **Important Notes:**
>
> This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).
>
> **Deliverable Name:**
>
> HPE ProLiant DL110 Gen11 System ROM - U62
>
> **Release Version:**
>
> 2.42_12-06-2024
>
> **Last Recommended or Critical Revision:**
>
> 2.42_12-06-2024
>
> **Previous Revision:**
>
> 2.40_11-08-2024
>
> **Firmware Dependencies:**
>
> None
>
> **Enhancements/New Features:**
>
> Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
>
> Updated the boot device string rules to include the case when VMD is enabled.
>
> Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
>
> **Problems Fixed:**
>
> Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
>
> Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
>
> Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
>
> Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Enhancements

Added new Microsoft Option ROM UEFI CA 2023 secure boot key.

Updated the boot device string rules to include the case when VMD is enabled.

Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.

ROM Flash Firmware Package - HPE ProLiant DL320/ML110 Gen11 (U63) Servers
Version: 2.42_12-06-2024 **(Critical)**
Filename: U63_2.42_12_06_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Deliverable Name:

HPE ProLiant DL320 Gen11/ML110 Gen11 Servers System ROM - U63

Release Version:

2.42_12-06-2024

Last Recommended or Critical Revision:

2.42_12-06-2024

Previous Revision:

2.40_11-08-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added new Microsoft Option ROM UEFI CA 2023 secure boot key.

Updated the boot device string rules to include the case when VMD is enabled.

Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.

Problems Fixed:

Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Enhancements

Added new Microsoft Option ROM UEFI CA 2023 secure boot key.

Updated the boot device string rules to include the case when VMD is enabled.

Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.

ROM Flash Firmware Package - HPE Alletra 4110/Alletra 4120/ProLiant DL380a Gen11 (U58) Servers
Version: 2.40_11-08-2024 **(Recommended)**
Filename: U58_2.40_11_08_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Deliverable Name:

HPE Alletra 4110/Alletra 4120/ProLiant DL380a Gen11 System ROM - U58

Release Version:

2.40_11-08-2024

Last Recommended or Critical Revision:

2.40_11-08-2024

Previous Revision:

2.34_10-04-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added new IML messages to indicate the status of NVMe secure erase and AMT.

Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to "Disabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/HwpmInterrup

Problems Fixed:

Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where the system might be asserted when plugging in MR416i-p.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Addressed an issue where incorrect drive location information would be shown.

Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.

Addressed an issue where the system displays the warning "Cooling Unit 1 Fans" Redundancy Lost in VMware ESXi operating systems.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where the system might be asserted when plugging in MR416i-p.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Addressed an issue where incorrect drive location information would be shown.

Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.

Addressed an issue where the system displays the warning "Cooling Unit 1 Fans" Redundancy Lost in VMware ESXi operating systems.

Known Issues:

None

Enhancements

Added new IML messages to indicate the status of NVMe secure erase and AMT.

Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to "Disabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/HwpmInterrup

ROM Flash Firmware Package - HPE ProLiant DL20 Gen11/ML30 Gen11/MicroServer Gen11 (U65) Servers
Version: 2.10_12-06-2024 **(Recommended)**
Filename: U65_2.10_12_06_2024.fwpkg

Important Note!

Important Notes:

This is the initial version to support Intel Xeon 6300 series processors. This version of the System ROM contains updates aligned with the Intel Catlow Refresh BKC CWL.1.A.4420.00.

This version always set "RBSU\Power and Performance option\Enhance C state" to "Enabled" to mitigate processor Vmin shift instability issue per Intel's recommendation.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.048.0 (2.10_12_03_2024).

Deliverable Name:

HPE ProLiant DL20 Gen11/ML30 Gen11/MicroServer Gen11 System ROM - U65

Release Version:

2.10_12-06-2024

Last Recommended or Critical Revision:

2.10_12-06-2024

Previous Revision:

1.60_09-05-2024

Firmware Dependencies:

None

Enhancements/New Features:

This version always set "RBSU\Power and Performance option\Enhance C state" to "Enabled" to mitigate processor Vmin shift instability issue per Intel's recommendation.

Added new Microsoft Option Rom UEFI CA 2023 secure boot key.

Added "Smooth Cooling option" in the RBSU\Advanced Options\Fan and Thermal Options.

Problems Fixed:

Addressed an issue where some strings of "NVMe-oF Configuration and Attempt pages" in system RBSU menu are still in English after switching the language to non-English version.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where the "Server Boot Order" in iLO web is not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Addressed an issue where the "Pending Change light" may be on even if there is no option has been modified in RBSU.

Known Issues:

None

Fixes

Important Notes:

This is the initial version to support Intel Xeon 6300 series processors. This version of the System ROM contains updates aligned with the Intel Catlow Refresh BKC CWL.1.A.4420.00.

This version always set "RBSU\Power and Performance option\Enhance C state" to "Enabled" to mitigate processor Vmin shift instability issue per Intel's recommendation.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.048.0 (2.10_12_03_2024).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where some strings of "NVMe-oF Configuration and Attempt pages" in system RBSU menu are still in English after switching the language to non-English version.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where the "Server Boot Order" in iLO web is not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Addressed an issue where the "Pending Change light" may be on even if there is no option has been modified in RBSU.

Known Issues:

None

Enhancements

This version always set "RBSU\Power and Performance option\Enhance C state" to "Enabled" to mitigate processor Vmin shift instability issue per Intel's recommendation.

Added new Microsoft Option Rom UEFI CA 2023 secure boot key.

Added "Smooth Cooling option" in the RBSU\Advanced Options\Fan and Thermal Options.

ROM Flash Firmware Package - HPE ProLiant DL560 Gen11 (U59) Servers
Version: 2.42_12-06-2024 **(Critical)**
Filename: U59_2.42_12_06_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Deliverable Name:

HPE ProLiant DL560 Gen11 System ROM - U59

Release Version:

2.42_12-06-2024

Last Recommended or Critical Revision:

2.42_12-06-2024

Previous Revision:

2.40_11-08-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added new Microsoft Option ROM UEFI CA 2023 secure boot key.

Updated the boot device string rules to include the case when VMD is enabled.

Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.

Problems Fixed:

Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Enhancements

Added new Microsoft Option ROM UEFI CA 2023 secure boot key.

Updated the boot device string rules to include the case when VMD is enabled.

Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.

ROM Flash Firmware Package - HPE ProLiant ML350/DL360/DL380 Gen11 (U54) Servers
Version: 2.42_12-06-2024 **(Critical)**
Filename: U54_2.42_12_06_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Deliverable Name:

HPE ProLiant DL380 Gen11/ML350 Gen11/DL360 Gen11 System ROM - U54

Release Version:

2.42_12-06-2024

Last Recommended or Critical Revision:

2.42_12-06-2024

Previous Revision:

2.40_11-08-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added new Microsoft Option ROM UEFI CA 2023 secure boot key.

Updated the boot device string rules to include the case when VMD is enabled.

Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.

Problems Fixed:

Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0 (2.40_10_23_2024).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.

Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.

Addressed an issue where some strings of in the System Configuration\RBSU\Network Options\NVMe-oF Configuration\NVMe-oF Attempt are still in English after switching the language to non-English version.

Addressed an issue where the NVMe image description in RBSU might be incorrect when VROC is enabled.

Addressed an issue where the system RBSU menu might not display clear drive location information.

Addressed an issue where fans might rapidly ramp up and then back down.

Known Issues:

None

Enhancements

Added new Microsoft Option ROM UEFI CA 2023 secure boot key.

Updated the boot device string rules to include the case when VMD is enabled.

Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU\Advanced Options\Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.

ROM Flash Universal Firmware Package - HPE ProLiant DL145 Gen11 (A58) Servers
Version: 1.30_10-04-2024 **(Optional)**
Filename: A58_1.30_10_04_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.D for AMD 4th Generation EPYC processors.

Deliverable Name:

HPE DL145 Gen11 System ROM - A58

Release Version:

1.30_10-04-2024

Last Recommended or Critical Revision:

1.20_08-09-2024

Previous Revision:

1.20_08-09-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added Redfish API for Boot Progress.

Problems Fixed:

Addressed an issue where System Information\Device Inventory in iLO web may show unknown entries after enabling bifurcation.

Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controllers.

Addressed an issue where system may become stuck after enrolling many certificates and signatures.

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.D for AMD 4th Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where System Information\Device Inventory in iLO web may show unknown entries after enabling bifurcation.

Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controllers.

Addressed an issue where system may become stuck after enrolling many certificates and signatures.

Known Issues:

None

Enhancements

Added Redfish API for Boot Progress.

ROM Flash Universal Firmware Package - HPE ProLiant DL325/DL345 Gen11 (A56) Servers
Version: 2.20_11-08-2024 **(Recommended)**
Filename: A56_2.20_11_08_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code TurinPI 1.0.0.2 for AMD 5th Generation EPYC processors. This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.D for AMD 4th Generation EPYC processors.

Deliverable Name:

HPE ProLiant DL325 Gen11/DL345 Gen11 System ROM - A56

Release Version:

2.20_11-08-2024

Last Recommended or Critical Revision:

2.20_11-08-2024

Previous Revision:

2.14_10-11-2024

Firmware Dependencies:

None

Enhancements/New Features:

Improved system power consumption in idle state.

Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Hot-Plug Error Control" and set to "Hot-Plug Surprise" by default. This setting is only available for AMD 5th Generation EPYC processors (Turin). This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieHotPlugErrControl

Problems Fixed:

Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where CPU may not set cTDP to maximum by default.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code TurinPI 1.0.0.2 for AMD 5th Generation EPYC processors. This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.D for AMD 4th Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where CPU may not set cTDP to maximum by default.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Hot-Plug Error Control" and set to "Hot-Plug Surprise" by default. This setting is only available for AMD 5th Generation EPYC processors (Turin). This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieHotPlugErrControl

ROM Flash Universal Firmware Package - HPE ProLiant DL365/DL385 Gen11 (A55) Servers
Version: 2.20_11-08-2024 **(Recommended)**
Filename: A55_2.20_11_08_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code TurinPI 1.0.0.2 for AMD 5th Generation EPYC processors. This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.D for AMD 4th Generation EPYC processors.

Deliverable Name:

HPE ProLiant DL385 Gen11/DL365 Gen11 System ROM - A55

Release Version:

2.20_11-08-2024

Last Recommended or Critical Revision:

2.20_11-08-2024

Previous Revision:

2.14_10-11-2024

Firmware Dependencies:

None

Enhancements/New Features:

Improved system power consumption in idle state.

Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Hot-Plug Error Control" and set to "Hot-Plug Surprise" by default. This setting is only available for AMD 5th Generation EPYC processors (Turin). This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieHotPlugErrControl

Problems Fixed:

Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where CPU may not set cTDP to maximum by default.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code TurinPI 1.0.0.2 for AMD 5th Generation EPYC processors. This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.D for AMD 4th Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.

Addressed an issue where CPU may not set cTDP to maximum by default.

Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Hot-Plug Error Control" and set to "Hot-Plug Surprise" by default. This setting is only available for AMD 5th Generation EPYC processors (Turin). This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieHotPlugErrControl

Driver - Network   **[Top](#)**

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0
Version: 2024.12.00 **(Recommended)**
Filename: cp063628.compsig; cp063628.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,* 231.1.162001 or later, for use with this driver.

Enhancements

- This product enhances to add support to handle TPID (Tag Protocol Identifier).
- This product enhances adding version information in Broadcom snapdump driver logs.

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

HPE Intel igbn Driver for VMware vSphere 8.0
Version: 2024.09.00 **(Recommended)**
Filename: cp062161.compsig; cp062161.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 3.24.0 or later, for use with this driver.

Enhancements

This product added support to new Gen11 servers.

Supported Devices and Features

These drivers support the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 2-port 363i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 4-port 366i Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
- Intel(R) I350 Gigabit Network Connection

Intel icen Driver for VMware vSphere 8.0
Version: 2024.11.00 **(Recommended)**
Filename: cp063151.compsig; cp063151.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 4.60 or later, for use with these drivers.

Fixes

- This product addressed the secondary queues usage for fragmented IP packets.
- This product addressed the per-queue statistics for native mode.
- This product addressed the Broadcast packets forwarding rules to avoid ARP loopback issue for VMDQ traffic.

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
HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0
Version: 2024.10.01 **(Recommended)**
Filename: cp060849.compsig; cp060849.zip

Fixes

- Fix an issue that controller may stuck in boot state and cause unexpected controller reset when there is OCR (online controller reset). OCR can happen when doing online firmware update.

Enhancements

- New release for version 7.728.02.00.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).
Version: 2024.10.01 **(Recommended)**
Filename: cp059502.compsig; cp059502.zip

Important Note!

- 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, plus an HPE specific CPXXXX.xml file.
- Actual ESXi Version is 80.4672.0.104

Fixes

- Fixed an issue where a PSOD occurred during array delete operations.
- Fixed an issue where failed logical volumes take too long to be removed at the OS level.
- Fixed an issue where NVMe drives were not discovered after hot-plug operation.
- Fixed a potential data loss risk for SmartCache Logical Drives configured in WriteBack mode during shutdown.

Firmware - Network   **Top**
Broadcom Firmware Package for BCM5741x adapters
Version: 231.1.162.1 **(Recommended)**
Filename: bcm231.1.162.1.pup.fwpkg

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 231.0.158.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-231.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.12.00 or later

Fixes

- This product addresses issue about IPVlan support.
- This product fixes an issue where the Transceiver Temperature is an erroneous unit value.
- This product addresses to exposing MCTP discovery through NICCLI utility.
- This product fixes an issue where missing supported speed is seen for adapter.
- This product fixes an issue where ethtool shows wrong module type when a port is in a certain breakout mode.
- This product fixes an issue where the missing supported speed is seen for the adapter in RDE Redfish.
- This product fixes an issue where an incorrect value is shown for SFP.FiberConnectionType property when transceivers are connected in RDE Redfish.
- This product fixes an issue where SystemDescription missing the character and inappropriate JSON format displaying under port schema in RDE Redfish.
- This product addresses to remove support ManagementVlanId property for the RDE Redfish.

Enhancements

- This product enhances NC-SI implementation for multiple physical mediums.
- This product enhances firmware debug trace improvement.
- This product enhances to add more debug data to coredump.
- This product enhances to increase resource to handle the NC-SI commands concurrently.
- This product enhances to set LLDP Disable request if DCBX is enabled.
- This product enhances multiple lossless traffic classes support.
- This product enhances to add SystemDescription support for the RDE Redfish Port schema.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter

Broadcom Firmware Package for BCM5750x adapters
Version: 231.1.162.1 **(Recommended)**
Filename: bcm231.1.162.1_Thor.pup.fwpkg

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 231.0.158.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-231.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.12.00 or later

Fixes

- This product fixes an issue when MAC loopback is enabled, the firmware 'fakes out' the link status to the host.
- This product fixes an issue where an incorrect value is shown for SFP.FiberConnectionType property when transceivers are connected in RDE Redfish.
- This product fixes an issue where SystemDescription missing the character and inappropriate JSON format displaying under port schema in RDE Redfish.
- This product addresses to remove support ManagementVlanId property for the RDE Redfish.

Enhancements

This product enhances to add SystemDescription support for the RDE Redfish Port schema.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for VMware
Version: 1.40.0 **(Recommended)**
Filename: CP063616.compsig; CP063616.zip

Important Note!

This software package contains combo image v20.31.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.57	21.6.4	1.5.55	21.6.85
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.57	21.6.4	1.5.55	21.6.85
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.57	21.6.4	1.5.55	21.6.85
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.55	21.6.85

Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

Fixes

- This product fixes an issue where a dummy Serial Number is seen immediately after update the adapter firmware to version 2.30 (or earlier).
- This product fixes an issue where Wake-on-LAN not working is seen.

Enhancements

This product enhances libfwupg to improve NVRAM configuration updates.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware
Version: 226.1.107.0 **(Recommended)**
Filename: CP062143.compsig; CP062143.zip

Important Note!

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2023.09.00 or later, for use with this firmware.

This software package contains NVM Image version 226.1.107000 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	RoCE Version
HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter	226.0.145.0	226.0.145.0	226.0.135.0	226.0.135.0	226.0.145.0
HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter					
HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter					
HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter					
HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter					
HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter					
HPE Ethernet 10/25Gb 4-port SFP28 BCM57504 Adapter					
HPE Ethernet 10/25Gb 4-port SFP28 BCM57504 OCP3 Adapter					

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

- This product addressed device lost symptom after continuously ungraceful restart on BCM57414 OCP3 adapter.
- This product addressed some RDE pattern format for some LLDP properties.
- This product addressed the NC-SI passthrough with BMC when device is under idle mode.
- This product addressed new mechanism for loading factory default.

Enhancements

- This product enhanced the device self-diagnostic matrix and MAC verification.
- This product enhanced the link-speed calculation for internal variable.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter

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

Intel Firmware Package For E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
Version: 4.60 **(Recommended)**
Filename: HPE_E810_2CQDA2_O_SEC_4p60_PLDMoMCTP_8001E8B6.fwpkg

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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

Enhancements

- This product enhanced the compatibility with icea driver.
- There are limitations with these products in version 4.6. (known issue)
  If you enable the 'transmit balancing' feature in the HII menu, you may see the following Linux dmesg log: 'DDP package does not support the transmit balancing feature,' when running with incompatible Ice driver revisions, such as ice v1.15.4, which can lead to a link failure.

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: 4.60 **(Recommended)**
Filename: HPE_E810_CQDA2_4p60_PLDMoMCTP_8001E8B1.fwpkg

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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

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- There are limitations with these products in version 4.6. (known issue)
  If you enable the 'transmit balancing' feature in the HII menu, you may see the following Linux dmesg log: 'DDP package does not support the transmit balancing feature,' when running with incompatible Ice driver revisions, such as ice v1.15.4, which can lead to a link failure.

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: 4.60 **(Recommended)**
Filename: HPE_E810_CQDA2_OCP_4p60_NCSIwPLDMoMCTP_8001E8B5.fwpkg

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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

Enhancements

- This product enhanced the compatibility with icea driver.
- There are limitations with these products in version 4.6. (known issue)
  If you enable the 'transmit balancing' feature in the HII menu, you may see the following Linux dmesg log: 'DDP package does not support the transmit balancing feature,' when running with incompatible Ice driver revisions, such as ice v1.15.4, which can lead to a link failure.

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: 4.60 **(Recommended)**
Filename: HPE_E810_XXVDA2_SD_4p60_PLDMoMCTP_8001E8B3.fwpkg

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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

Enhancements

- This product enhanced the compatibility with icea driver.
- There are limitations with these products in version 4.6. (known issue)
  If you enable the 'transmit balancing' feature in the HII menu, you may see the following Linux dmesg log: 'DDP package does not support the transmit balancing feature,' when running with incompatible Ice driver revisions, such as ice v1.15.4, which can lead to a link failure.

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: 4.60 **(Recommended)**
Filename: HPE_E810_XXVDA2_SD_OCP_4p60_NCSIwPLDMoMCTP_8001E8B0.fwpkg

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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

Enhancements

- This product enhanced the compatibility with icea driver.
- There are limitations with these products in version 4.6. (known issue)
  If you enable the 'transmit balancing' feature in the HII menu, you may see the following Linux dmesg log: 'DDP package does not support the transmit balancing feature,' when running with incompatible Ice driver revisions, such as ice v1.15.4, which can lead to a link failure.

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: 4.60 **(Recommended)**
Filename: HPE_E810_XXVDA4_FH_4p60_PLDMoMCTP_8001E8B2.fwpkg

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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

Enhancements

- This product enhanced the compatibility with icea driver.
- There are limitations with these products in version 4.6. (known issue)
  If you enable the 'transmit balancing' feature in the HII menu, you may see the following Linux dmesg log: 'DDP package does not support the transmit balancing feature,' when running with incompatible Ice driver revisions, such as ice v1.15.4, which can lead to a link failure.

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: 4.60 **(Recommended)**
Filename: HPE_E810_XXV4_OCP_4p60_NCSIwPLDMoMCTP_8001E8AF.fwpkg

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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

Enhancements

- This product enhanced the compatibility with icea driver.
- There are limitations with these products in version 4.6. (known issue)
  If you enable the 'transmit balancing' feature in the HII menu, you may see the following Linux dmesg log: 'DDP package does not support the transmit balancing feature,' when running with incompatible Ice driver revisions, such as ice v1.15.4, which can lead to a link failure.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for VMware
Version: 3.25.0 **(Recommended)**
Filename: CP063152.compsig; CP063152.zip

Important Note!

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000F6CA	1.3682.0	9.52
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000F6C9	1.3682.0	9.52
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3682.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3682.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3682.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3682.0	N/A

The combo image v1.3682.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)
- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
Version: 26.42.1000 **(Recommended)**

Filename: 26_42_1000-MCX631102AS-ADA_Ax.pldm.fwpkg

Important Note!

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/connectx6lxfirmwarev26421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 26.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- The "time_since_last_clear" counter showed wrong indications.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 26.42.1000:

- Prevented HCA_CAP from allowing rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Removed the logical port rate limiter to prevent the internal loopback traffic from exceeding the physical port network link speed when using the esw scheduling feature.
- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
Version: 26.42.1000 **(Recommended)**
Filename: 26_42_1000-MCX631432AS-ADA_Ax.pldm.fwpkg

Important Note!

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/connectx6lxfirmwarev26421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 26.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- The "time_since_last_clear" counter showed wrong indications.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 26.42.1000:

- Prevented HCA_CAP from allowing rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Removed the logical port rate limiter to prevent the internal loopback traffic from exceeding the physical port network link speed when using the esw scheduling feature.
- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551

Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21
Version: 16.35.4030 **(Recommended)**
Filename: 16_35_4030-MCX515A-CCA_HPE_Ax.pldm.fwpkg

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/connectx5firmwarev16354030lts/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

Important : Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

New features and changes included in version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox Ethernet Only Adapters	Firmware Version	PSID
HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter(P31246-B21 and P31246-H21)	16.35.4030	MT_0000000591

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter : HPE part numbers P23664-B21 and P23664-H21
Version: 20.42.1000 **(Recommended)**
Filename: 20_42_1000-MCX653105A-HDA_HPE_Ax.pldm.fwpkg

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/connectx6firmwarev20421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 20.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- HCA_CAP allowed rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Incorrect MPLS packets discards flow when the GLOBAL pause capability was disabled.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.42.1000:

- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter (P23664-B21 and P23664-H21)	20.42.1000	MT_0000000451

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter : HPE part numbers P31323-B21 and P31323-H21
Version: 20.42.1000 **(Recommended)**
Filename: 20_42_1000-MCX653435A-HDA_HPE_Ax.pldm.fwpkg

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/connectx6firmwarev20421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 20.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- HCA_CAP allowed rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Incorrect MPLS packets discards flow when the GLOBAL pause capability was disabled.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.42.1000:

- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter (P31323-B21 and P31323-H21)	20.42.1000	MT_0000000592

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter : HPE part numbers P31324-B21 and P31324-H21
Version: 20.42.1000 **(Recommended)**
Filename: 20_42_1000-MCX653106A-HDA_HPE_Ax.pldm.fwpkg

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.

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

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A list of known issues with this release is available
at: https://docs.nvidia.com/networking/display/connectx6firmwarev20421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30

or higher.

Fixes

The following issues have been fixed in version 20.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- HCA_CAP allowed rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Incorrect MPLS packets discards flow when the GLOBAL pause capability was disabled.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.42.1000:

- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter(P31324-B21 and P31324-H21)	20.42.1000	MT_0000000594

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter : HPE part numbers P31348-B21 and P31348-H21
Version: 20.42.1000 **(Recommended)**
Filename: 20_42_1000-MCX653436A-HDA_HPE_Ax.pldm.fwpkg

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.

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6firmwarev20421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 20.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- HCA_CAP allowed rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Incorrect MPLS packets discards flow when the GLOBAL pause capability was disabled.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.42.1000:

- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter (P31348-B21 and P31348-H21)	20.42.1000	MT_0000000593

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter : HPE part numbers P23665-B21 and P23665-H21
Version: 20.42.1000 **(Recommended)**
Filename: 20_42_1000-MCX653105A-ECA_HPE_Ax.pldm.fwpkg

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/connectx6firmwarev20421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 20.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- HCA_CAP allowed rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Incorrect MPLS packets discards flow when the GLOBAL pause capability was disabled.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.42.1000:

- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InifiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter (P23665-B21 and P23665-H21)	20.42.1000	MT_0000000452

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21
Version: 20.42.1000 **(Recommended)**
Filename: 20_42_1000-MCX653106A-ECA_HPE_Ax.pldm.fwpkg

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.

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	**HDR/HDR100**	**EDR**	**FDR**	**QDR**

50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	**50GbE**	**100GbE/25GbE**	**40GbE/10GbE**	**1GbE**
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6firmwarev20421000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 20.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- HCA_CAP allowed rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Incorrect MPLS packets discards flow when the GLOBAL pause capability was disabled.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.42.1000:

- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT	20.42.1000	MT_0000000453

Mellanox Firmware Package (FWPKG) for Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
Version: 22.42.1000 **(Recommended)**
Filename: 22_42_1000-MCX623105AS-VDA_Ax.pldm.fwpkg

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6dxfirmwarev22421000/known+issues

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.

Fixes

The following issues have been fixed in version 22.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- SFF module could not access the EEPROM data when removing the CMIS module and inserting the SFF module instead of it.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 22.42.1000:

- Prevented HCA_CAP from allowing rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.
- MSI-X on SF can be received now through the PF's MSI-X vector.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435

Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE
Version: 22.42.1000 **(Recommended)**
Filename: 22_42_1000-MCX623106AS-CDA_Ax.pldm.fwpkg

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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/connectx6dxfirmwarev22421000/known+issues

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.

Fixes

The following issues have been fixed in version 22.42.1000:

- RDE PortMetrics property Transceivers.SupplyVoltage was reflected in incorrect units of 100uV instead of V.
- SFF module could not access the EEPROM data when removing the CMIS module and inserting the SFF module instead of it.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 22.42.1000:

- Prevented HCA_CAP from allowing rogue drivers to create more EQs than the number allowed in the HCA_CAP.max_num_eqs.
- Added a new command interface "Memory slow release" to enable/disable holding memory pages for a defined period of time. Once the timer expires, the firmware will return the pages to the driver.
- Added support for MVTS register via a miscellaneous driver using the access_register PRM command.
- MSI-X on SF can be received now through the PF's MSI-X vector.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT_0000000437

Mellanox Firmware Package(FWPKG) for HPE NV60025M Ethernet 10/25Gb 2-port Secure Network Adapter
Version: 26.41.1000 **(Recommended)**
Filename: 26_41_1000-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 26.41.1000

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P46603-B21	HPE NV60025M Ethernet 10/25Gb 2-port Secure Network Adapter	HPE0000000062

Mellanox Firmware Package(FWPKG) for HPE NV60100M 100Gb 2-port Storage Offload Adapter
Version: 22.41.1000 **(Recommended)**
Filename: 22_41_1000-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 22.41.1000

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P46603-B21	HPE NV60100M 100Gb 2-port Storage Offload Adapter	HPE0000000062

Firmware - Storage Controller

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-o Gen11 Tri Mode Controller
Version: 52.26.3.5487 **(Recommended)**
Filename: CP060621.compsig; CP060621.zip

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen11 Tri Mode Controller
Version: 52.26.3.5487 **(Recommended)**
Filename: CP060622.compsig; CP060622.zip

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR408i-o Gen11 Tri Mode Controller
Version: 52.26.3.5487 **(Recommended)**
Filename: CP060623.compsig; CP060623.zip

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-o Gen11 Tri Mode Controller
Version: 52.26.3.5487 **(Recommended)**
Filename: CP060620.compsig; CP060620.zip

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen11 Tri Mode Controller
Version: 52.26.3.5487 **(Recommended)**
Filename: CP060619.compsig; CP060619.zip

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE Expander Backplane Firmware for HPE Alletra 4140 servers
Version: 1.59 **(Recommended)**
Filename: HPE_Alletra4140_BP_EXP_Gen11_1.59_A.fwpkg

Important Note!

1.24 is a initial version.

Fixes

- Fixed an issue that the health LED lights may turn on after hot plugging SATA drives

Enhancements

- Support firmware update for the UBM attached to the expander

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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: 7.11 **(Recommended)**
Filename: HPE_SR_Gen10_7.11_A.fwpkg

Fixes

- Fixed an issue where the host experienced BSOD while clearing the controller configuration.
- Fixed controller lockups caused by incorrect address reads and partial RAM initialization for PCIe functions, leading to ECC errors.
- Fixed issues with external storage.
- Fixed issues with the SATA drive.
- Fixed issues with the SED drive.
- Fixed issues with the spare drive.
- Corrected MCTP-related issues.
- Fixed surface scan issues on the RAID 50.
- Fixed issues encountered during heavy I/O operations.
- Fixed volume issues on the failed drive.
- Fixed issues for incorrect Severity reported in Redfish events.
- Fixed issues for incorrect Status reported in Redfish resources.
- Fixed an issue with improper capacity information in Redfish drive Name.
- Fixed an issue where Redfish long running task status is not reported.
- Fixed an issue where DurableNameFormat for RAID volumes are reported as UUID in RDE READ operations, but should be NAA.
- Fixed an issue where failed to take ownership of, or to revert, a SED through Redfish.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.

- Fixed an issue where ILORest return "AccelerationMethod" as "ControllerCache" instead of "none" when controller cache is not enable or preset.

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved random write and mixed read-write performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
    - Storage.SetEncryptionKey
- Added support for Redfish property PATCH:
    - Storage.EncryptionMode
    - Storage.HotspareActivationPolicy
    - Drive.HostspareReplacementMode
    - Drive.HotspareType
    - Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
    - Drive
    - Port

- StorageController
  - StorageController.CacheSummary
  - Volume
- Added support for Redfish properties:
  - Drive.DriveFormFactor
  - Drive.FirmwareVersion
  - Drive.Manufacture (SAS only)
  - Drive.SlotCapableProtocols
  - StorageController.AssetTag
  - StorageController.Links.PCIeFunction
  - Volume.BlockSizeBytes
  - Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers
Version: 03.01.30.106 **(Recommended)**
Filename: HPE_SR416_SR932_Gen10P_Gen11_03.01.30.106_A.fwpkg

Fixes

- Fixed an issue where the host experienced BSOD while clearing the controller configuration.
- Fixed controller lockups caused by incorrect address reads and partial RAM initialization for PCIe functions, leading to ECC errors.
- Fixed an issue where a possible controller lockup was observed after a factory reset.
- Fixed issues with external storage.
- Fixed issues with the SATA drive.
- Fixed issues with the SED drive.
- Fixed issues with the spare drive.
- Corrected MCTP-related issues.
- Fixed SPDM-related issues.
- Fixed issues related to volume creation and rebuilding.
- Fixed volume issues on the failed drive.
- Fixed surface scan issues on the RAID 50.
- Fixed issues encountered during heavy I/O operations.
- Fixed issues for incorrect Severity reported in Redfish events.
- Fixed issues for incorrect Status reported in Redfish resources.
- Fixed an issue with improper capacity information in Redfish drive Name.
- Fixed an issue where Redfish long running task status is not reported.
- Fixed an issue where DurableNameFormat for RAID volumes are reported as UUID in RDE READ operations, but should be NAA.
- Fixed an issue where failed to take ownership of, or to revert, a SED through Redfish.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved RAID 1/10 write sequential performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
  - Storage.SetEncryptionKey
- Added support for Redfish property PATCH:
  - Storage.EncryptionMode
  - Storage.HotspareActivationPolicy
  - Drive.HostspareReplacementMode
  - Drive.HotspareType
  - Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
  - Drive
  - Port
  - StorageController
  - StorageController.CacheSummary
  - Volume
- Added support for Redfish properties:
  - Drive.DriveFormFactor
  - Drive.FirmwareVersion
  - Drive.Manufacture (SAS only)
  - Drive.SlotCapableProtocols
  - StorageController.AssetTag
  - StorageController.Links.PCIeFunction

- Volume.BlockSizeBytes
  - Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10
Version: 5.61 (D) **(Recommended)**
Filename: CP057475.compsig; CP057475.zip

Enhancements

Support Gen10, Gen10 Plus and Gen11 servers

Firmware - Storage Fibre Channel	

HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters
Version: 14.4.329.10 **(Recommended)**
Filename: P14.4.329.10_header.pldm.fwpkg

Important Note!

This component is supported only on Gen11 ProLiant servers.

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Prerequisites

The minimum version for adapter to support PLDM is 14.0.499.25

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

- HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter

64Gb Fibre Channel Host Bus Adapter:

- HPE SN1700E 64Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0
Version: 2022.08.01 **(Recommended)**
Filename: CP050072.compsig; CP050072.zip

Important Note!

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0

Prerequisites

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

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

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.0.499.25	14.0.499.25	14.0.499.2	14.0.490.0

Supported Devices and Features

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

32Gb FC Adapter:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

64Gb FC Adapter:

- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0
Version: 2024.09.01 **(Recommended)**
Filename: CP059834.compsig; CP059834.zip

Important Note!

This component is supported only on Gen11 ProLiant servers.

Release Notes:
HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0

Prerequisites

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

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

The HPE supplied Qlogic driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at http://www.hpe.com/servers/spp/download/

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0

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 - Management
Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers
Version: 2024.10.01 **(Recommended)**
Filename: cp059215.compsig; cp059215.zip

Important Note!

Actual ESXi Version is 6.40.6.0

Fixes

- Fixed an issue on VMware ESXi 8.0 U2 where not all controllers were shown via esxcli.
- Fixed an issue on VMware ESXi 8.0 U2 where the create and delete config, as well as other modify operations, were not working.
- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.

Software - Storage Controller	

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)
Version: 2024.10.01 **(Recommended)**
Filename: cp060854.compsig; cp060854.zip

Important Note!

Actual ESXi Version is 007.2812.0000.0000

Enhancements

- Support Non-Hotplug configurations
- Add Transport Level Retries (TLR) LTO Tape Drive support
- Support upgrading from VMware ESXi 7 to VMware ESXi 8
- Enhance MR controller logging to include PL (protocol layer) logs from initial
- discovery at Start of the day to address Drive lost across reboots
  - storcli /cx show captureSodPlLogs
  - storcli /cx set captureSodPlLogs=<on|off>

Software - Storage Fibre Channel	

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0
Version: 2024.09.01 **(Recommended)**
Filename: cp061889.compsig; cp061889.zip

Important Note!

This component is supported only on Gen11 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 5.4.83.1
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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HPE QLogic Fibre Channel driver component for VMware vSphere 8.0
Version: 2024.09.01 **(Recommended)**
Filename: cp062112.compsig; cp062112.zip

Important Note!

This component is supported only on Gen11 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.

Prerequisites

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

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

Enhancements

Driver version 5.4.82.1

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 on Gen11
Version: 701.11.7.0 **(Recommended)**
Filename: amsdvComponent_701.11.7.0.2-1_24237060.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 enhancements in this release.

HPE Fiber Channel and Storage Enablement Component for ESXi 8.0
Version: 3.9.0 **(Recommended)**
Filename: fc-enablement-component_800.3.9.0.30-1_20300413.zip

Enhancements

Supports VMware ESXi 8.0

Integrated Smart Update Tools for VMware ESXi 8.0
Version: 800.5.3.0 **(Recommended)**
Filename: sutComponent_800.5.3.0.4-0-signed_component-24381610.zip

Important Note!

Integrated Smart Update Tools for ESXi 8.0 provides support for firmware and driver updates via iLO Repository

Fixes

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

Enhancements

See the iSUT Release Notes for information about the enhancements in this release.

Get connected

hpe.com/info/getconnected

Current HPE driver, support, and security alerts delivered directly to your desktop

Trademark acknowledgments, if needed.

Update Febraury 06 2025

Hewlett Packard
Enterprise