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 2025.11.00.00 Release Notes for VMware ESXi 8.0

BIOS - System ROM Top

ROM Flash Firmware Package - HPE ProLiant DL110 Gen11 (U62) Servers
Version: 2.70_10-31-2025 **(Recommended)**
Filename: U62_2.70_10_31_2025.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Deliverable Name:

HPE ProLiant DL110 Gen11 System ROM - U62

Release Version:

None

Last Recommended or Critical Revision:

None

Previous Revision:

None

Firmware Dependencies:

None

Enhancements/New Features:

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

Problems Fixed:

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Enhancements

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

ROM Flash Firmware Package - HPE ProLiant DL320/ML110 Gen11 (U63) Servers
Version: 2.70_10-31-2025 **(Critical)**
Filename: U63_2.70_10_31_2025.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Deliverable Name:

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

Release Version:

None

Last Recommended or Critical Revision:

None

Previous Revision:

None

Firmware Dependencies:

None

Enhancements/New Features:

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

Problems Fixed:

Addressed an issue where false configuration detection might lead to irregular fan speeds.

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where false configuration detection might lead to irregular fan speeds.

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Enhancements

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

ROM Flash Firmware Package - HPE Alletra 4110/Alletra 4120/ProLiant DL380a Gen11 (U58) Servers
Version: 2.70_10-31-2025 **(Recommended)**
Filename: U58_2.70_10_31_2025.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Deliverable Name:

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

Release Version:

None

Last Recommended or Critical Revision:

None

Previous Revision:

None

Firmware Dependencies:

None

Enhancements/New Features:

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

Problems Fixed:

Address an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system might display different results from applied settings in VRAN Workload Profile.

Address an issue where the system time zone setting might not be changed.

Address an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Address an issue where the system remote console might stop response when the warning message of Intelligent Provisioning pop up.

Address an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Enhancements

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

ROM Flash Firmware Package - HPE ProLiant DL20 Gen11/ML30 Gen11/MicroServer Gen11 (U65) Servers
Version: 2.30_08-07-2025 **(Recommended)**
Filename: U65_2.30_08_07_2025.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Catlow Refresh MR2 BKC. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.058.0 (2.20_03_03_2025).

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

Deliverable Name:

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

Release Version:

2.30_08-07-2025

Last Recommended or Critical Revision:

2.30_08-07-2025

Previous Revision:

2.22_05-16-2025

Firmware Dependencies:

None

Enhancements/New Features:

Enhanced ROM error logging when the DIMM serial number is identified as "00000000".

Problems Fixed:

Addressed an issue where Redfish BIOS settings might not be applied when upgrading the BIOS and changing BIOS settings simultaneously.

Addressed an issue where the NVMe-oF target UUID could disappear after modifying the NVMe-oF Initiator name in RBSU.

Addressed an issue where an incorrect Structured Boot Name appeared in the OS boot options.

Addressed an issue where the system could hang while navigating RBSU pages in multi-language mode.

Addressed an issue where the system might encounter an "Uncorrectable Machine Check Exception" with "Bank 0x4" during a system reboot in SUSE Linux Xen OS environments.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Catlow Refresh MR2 BKC. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.058.0 (2.20_03_03_2025).

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

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where Redfish BIOS settings might not be applied when upgrading the BIOS and changing BIOS settings simultaneously.

Addressed an issue where the NVMe-oF target UUID could disappear after modifying the NVMe-oF Initiator name in RBSU.

Addressed an issue where an incorrect Structured Boot Name appeared in the OS boot options.

Addressed an issue where the system could hang while navigating RBSU pages in multi-language mode.

Addressed an issue where the system might encounter an "Uncorrectable Machine Check Exception" with "Bank 0x4" during a system reboot in SUSE Linux Xen OS environments.

Known Issues:

None

Enhancements

Enhanced ROM error logging when the DIMM serial number is identified as "00000000".

ROM Flash Firmware Package - HPE ProLiant DL560 Gen11 (U59) Servers
Version: 2.70_10-31-2025 **(Recommended)**
Filename: U59_2.70_10_31_2025.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Deliverable Name:

HPE ProLiant DL560 Gen11 System ROM - U59

Release Version:

None

Last Recommended or Critical Revision:

None

Previous Revision:

None

Firmware Dependencies:

None

Enhancements/New Features:

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

Problems Fixed:

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Enhancements

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

ROM Flash Firmware Package - HPE ProLiant ML350/DL360/DL380 Gen11 (U54) Servers
Version: 2.70_10-31-2025 **(Recommended)**
Filename: U54_2.70_10_31_2025.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Deliverable Name:

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

Release Version:

None

Last Recommended or Critical Revision:

None

Previous Revision:

None

Firmware Dependencies:

None

Enhancements/New Features:

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

Problems Fixed:

Addressed an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.

Addressed an issue where the system might display different results from applied settings in VRAN Workload Profile.

Addressed an issue where the system time zone setting may not update as expected.

Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.

Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel EagleStream IPU2025.4 update. This version of the System ROM contains updates aligned with the Intel VROC 8.6.7.1004 update.

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

Firmware Dependencies:

None

Problems Fixed:

Address an issue where the system UncoreFrequencyMax/UncoreFrequencyMINI value might not display correctly in vRAN Workload Profile.

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system might display different results from applied settings in VRAN Workload Profile.

Address an issue where the system time zone setting might not be changed.

Address an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.

Address an issue where the system remote console might stop response when the warning message of Intelligent Provisioning pop up.

Address an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.

Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)\PCIe Device Configuration\Slot" did not include the option for PCIe Generation 4.0.

Known Issues:

None

Enhancements

Greyed out the "Page Table Entry Speculative Lock Scheduling" option under "System Configuration (RBSU)\System Options\Processor Options", as disabling this feature is not supported.

ROM Flash Universal Firmware Package - HPE ProLiant DL145 Gen11 (A58) Servers
Version: 1.74_10-31-2025 **(Recommended)**
Filename: A58_1.74_10_31_2025.fwpkg

Important Note!

Important Notes:

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

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

Deliverable Name:

HPE DL145 Gen11 System ROM - A58

Release Version:

1.74_10-31-2025

Last Recommended or Critical Revision:

1.74_10-31-2025

Previous Revision:

1.72_10-03-2025

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Power and Performance Options/PCIE Idle Power Setting" and set to "Opt for Perf/Power" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieIdlePower

Added the System Configuration (RBSU) option "Power and Performance Options/AMD GMI Folding" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdGmiFolding

Added the System Configuration (RBSU) option "Power and Performance Options/AMD DF PState Frequency Optimizer" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdDfPstateFreqOpt

Increased the maximum value of "Minimum SEV ASID" from 510 to 1007 in System Configuration (RBSU) option "Virtualization Options". This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/MinimumSevAsid

Problems Fixed:

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system time zone setting might not be changed.

Address an issue where the AMD CDMA/SDCI feature may not work.

Known Issues:

None

Fixes

Important Notes:

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

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

Firmware Dependencies:

None

Problems Fixed:

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system time zone setting might not be changed.

Address an issue where the AMD CDMA/SDCI feature may not work.

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Power and Performance Options/PCIE Idle Power Setting" and set to "Opt for Perf/Power" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieIdlePower

Added the System Configuration (RBSU) option "Power and Performance Options/AMD GMI Folding" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdGmiFolding

Added the System Configuration (RBSU) option "Power and Performance Options/AMD DF PState Frequency Optimizer" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdDfPstateFreqOpt

Increased the maximum value of "Minimum SEV ASID" from 510 to 1007 in System Configuration (RBSU) option "Virtualization Options". This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/MinimumSevAsid

ROM Flash Universal Firmware Package - HPE ProLiant DL325/DL345 Gen11 (A56) Servers
Version: 2.84_11-05-2025 **(Recommended)**
Filename: A56_2.84_11_05_2025.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.G patch 4 for AMD 4th Generation EPYC processors. This revision of the System ROM includes AMD reference code TurinPI 1.0.0.7 for AMD 5th Generation EPYC processors.

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

Deliverable Name:

HPE ProLiant DL325 Gen11/DL345 Gen11 System ROM - A56

Release Version:

2.84_11-05-2025

Last Recommended or Critical Revision:

2.84_11-05-2025

Previous Revision:

2.82_10-03-2025

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Power and Performance Options/PCIE Idle Power Setting" and set to "Opt for Perf/Power" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieIdlePower

Added the System Configuration (RBSU) option "Power and Performance Options/AMD GMI Folding" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdGmiFolding

Added the System Configuration (RBSU) option "Power and Performance Options/AMD DF PState Frequency Optimizer" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdDfPstateFreqOpt

Increased the maximum value of "Minimum SEV ASID" from 510 to 1007 in System Configuration (RBSU) option "Virtualization Options". This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/MinimumSevAsid

Problems Fixed:

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system time zone setting might not be changed.

Address an issue where the AMD CDMA/SDCI feature may not work.

Address an issue where some system may hang at POST after enabling Power Capping with System ROM v2.82.

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.G patch 4 for AMD 4th Generation EPYC processors. This revision of the System ROM includes AMD reference code TurinPI 1.0.0.7 for AMD 5th Generation EPYC processors.

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

Firmware Dependencies:

None

Problems Fixed:

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system time zone setting might not be changed.

Address an issue where the AMD CDMA/SDCI feature may not work.

Address an issue where some system may hang at POST after enabling Power Capping with System ROM v2.82.

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Power and Performance Options/PCIE Idle Power Setting" and set to "Opt for Perf/Power" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieIdlePower

Added the System Configuration (RBSU) option "Power and Performance Options/AMD GMI Folding" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdGmiFolding

Added the System Configuration (RBSU) option "Power and Performance Options/AMD DF PState Frequency Optimizer" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdDfPstateFreqOpt

Increased the maximum value of "Minimum SEV ASID" from 510 to 1007 in System Configuration (RBSU) option "Virtualization Options". This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/MinimumSevAsid

ROM Flash Universal Firmware Package - HPE ProLiant DL365/DL385 Gen11 (A55) Servers
Version: 2.84_11-05-2025 **(Recommended)**
Filename: A55_2.84_11_05_2025.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.G patch 4 for AMD 4th Generation EPYC processors. This revision of the System ROM includes AMD reference code TurinPI 1.0.0.7 for AMD 5th Generation EPYC processors.

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

Deliverable Name:

HPE DL385 Gen11/DL365 Gen11 System ROM - A55

Release Version:

2.84_11-05-2025

Last Recommended or Critical Revision:

2.84_11-05-2025

Previous Revision:

2.82_10-03-2025

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Power and Performance Options/PCIE Idle Power Setting" and set to "Opt for Perf/Power" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieIdlePower

Added the System Configuration (RBSU) option "Power and Performance Options/AMD GMI Folding" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdGmiFolding

Added the System Configuration (RBSU) option "Power and Performance Options/AMD DF PState Frequency Optimizer" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdDfPstateFreqOpt

Increased the maximum value of "Minimum SEV ASID" from 510 to 1007 in System Configuration (RBSU) option "Virtualization Options". This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/MinimumSevAsid

Problems Fixed:

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system time zone setting might not be changed.

Address an issue where the AMD CDMA/SDCI feature may not work.

Address an issue where some system may hang at POST after enabling Power Capping with System ROM v2.82.

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code GenoaPI 1.0.0.G patch 4 for AMD 4th Generation EPYC processors. This revision of the System ROM includes AMD reference code TurinPI 1.0.0.7 for AMD 5th Generation EPYC processors.

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

Firmware Dependencies:

None

Problems Fixed:

Address an issue where the Virtual Floppy or Virtual Folder might not working in HTML5 IRC mode.

Address an issue where the system time zone setting might not be changed.

Address an issue where the AMD CDMA/SDCI feature may not work.

Address an issue where some system may hang at POST after enabling Power Capping with System ROM v2.82.

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Power and Performance Options/PCIE Idle Power Setting" and set to "Opt for Perf/Power" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/PcieIdlePower

Added the System Configuration (RBSU) option "Power and Performance Options/AMD GMI Folding" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdGmiFolding

Added the System Configuration (RBSU) option "Power and Performance Options/AMD DF PState Frequency Optimizer" and set to "Enabled" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdDfPstateFreqOpt

Increased the maximum value of "Minimum SEV ASID" from 510 to 1007 in System Configuration (RBSU) option "Virtualization Options". This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/MinimumSevAsid

Driver - Lights-Out Management Top

HPE iLO Native Driver for ESXi 8.0 and ESXi 9.0
Version: 10.9.1 **(Recommended)**
Filename: ilo-driver_800.10.9.1.4-1OEM.800.1.0.20613240.zip

Fixes

Implement MSI interrupt in the ilo driver to fix PSOD due to interrupt storm and to fix snmpwalk delays.

Driver - Network Top

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

Important Note!

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

HPE Intel igbn Driver for VMware vSphere 8.0
Version: 2025.05.00 **(Recommended)**
Filename: cp066052.compsig; cp066052.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 3.26.1 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware.

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: 2025.11.00 **(Recommended)**
Filename: cp067478.compsig; cp067478.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 4.90 or later, for use with these drivers.

Fixes

This product fixed the failed while setting LFC for PF.

Supported Devices and Features

This product supports the following network adapters:

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

Driver - Storage Controller Top

HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0
Version: 2025.09.01 **(Recommended)**
Filename: cp067936.compsig; cp067936.zip

Important Note!

- Actual Version is 7.732.04.00

Fixes

- Fix a00145710en_us: HPE MR Gen11 and Gen10 Plus Storage Controllers - Purple Screen of Death (PSOD) May Be Observed When Updating Controller Firmware Via Service Pack for ProLiant (SPP) in Remote Deployment Mode With a VMware ESXi OS

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).
Version: 2025.10.01 **(Recommended)**
Filename: cp067564.compsig; cp067564.zip

Important Note!

- Actual ESXi8.0 driver version is 80.4862.0.104
- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 7.81 for SR SAS/SATA controllers and firmware version 03.01.41.032 for SR tri-mode controllers, along with Windows driver version 1016.24.0.1002, Linux driver version 2.1.36-026, and VMware ESXi driver version 4862.0.104, as this combination has been fully qualified.

Fixes

- Fixed PSOD indicates a divide-by-zero happened.
- Fixed an issue where the driver's controller structure field was too small for the full ASCII firmware version.
- Fixed an issue where a message from a periodic check on the controller heartbeat appeared as a system error instead of an informational message.
- Fixed an issue where firmware versioning information was incorrect or blank on some of the controllers.
- Fixed an issue where in a specific scenario, the device removal handler attempts to remove a device that has already been removed by the normal device discovery flow.

Firmware - Network Top

Broadcom Firmware Package for BCM5741x adapters
Version: 235.1.164.14 **(Recommended)**
Filename: bcm235.1.164.14.fwpkg; bcm235.1.164.14.json

Important Note!

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

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

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- 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: 235.1.160.0 **(Recommended)**
Filename: bcm235.1.160.0_Thor.fwpkg; bcm235.1.160.0_Thor.json

Important Note!

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

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

Fixes

This product fixes the issue where, in breakout mode, a cable remove or insert failed to bring the link up because the module did not exit the DPDeactivated (Data Path Deactivated) state in time.

Enhancements

This product enhances the handling of link status during D0 to D3 power domain transition.

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 Firmware Package for BCM57608 100GbE 2p Adapter
Version: 235.1.160.0 **(Recommended)**
Filename: BCM235.1.160.0_BCM957608-P2100HQF00.fwpkg; BCM235.1.160.0_BCM957608-P2100HQF00.json

Important Note!

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

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

Fixes

- This product fixes the issue where, in breakout mode, a cable remove or insert failed to bring the link up because the module did not exit the DPDeactivated (Data Path Deactivated) state in time.
- This product fixes the issue where RDE NetworkAdapter schema Location property is missing
- This product fixes the issue where the adapter might be missing during the system reboot.

Enhancements

This product enhances the handling of link status during D0 to D3 power domain transition.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom Firmware Package for BCM57608 100GbE 2p OCP3 Adapter
Version: 235.1.160.0 **(Recommended)**
Filename: BCM235.1.160.0_BCM957608-N2100HQI00.fwpkg; BCM235.1.160.0_BCM957608-N2100HQI00.json

Important Note!

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

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

Fixes

- This product fixes the issue where, in breakout mode, a cable remove or insert failed to bring the link up because the module did not exit the DPDeactivated (Data Path Deactivated) state in time.
- This product fixes the issue where RDE NetworkAdapter schema Location property is missing
- This product fixes the issue where the adapter might be missing during the system reboot.

Enhancements

This product enhances the handling of link status during D0 to D3 power domain transition.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for VMware
Version: 1.43.0 **(Recommended)**
Filename: CP069006.compsig; CP069006.zip

Important Note!

This software package contains combo image v20.35.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.65	21.6.92

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

Supported Devices and Features

This product supports the following network 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 (B) **(Recommended)**
Filename: CP065663.compsig; CP065663.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: 4.90 **(Recommended)**
Filename: HPE_E810_2CQDA2_O_SEC_4p90_PLDMoMCTP_80020EF7.fwpkg; HPE_E810_2CQDA2_O_SEC_4p90_PLDMoMCTP_80020EF7.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

- This product fixed PXE Boot does not work when MS secured-core enabled with HPE ProLiant Gen11 AMD platform server.
- This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.

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: 4.90 **(Recommended)**
Filename: HPE_E810_CQDA2_4p90_PLDMoMCTP_80020EF2.fwpkg; HPE_E810_CQDA2_4p90_PLDMoMCTP_80020EF2.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

- This product fixed PXE Boot does not work when MS secured-core enabled with HPE ProLiant Gen11 AMD platform server.
- This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

- This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.
- This product enhanced media type detection function on PHY on 100G adapter.

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: 4.90 **(Recommended)**
Filename: HPE_E810_CQDA2_OCP_4p90_NCSIwPLDMoMCTP_80020EF8.fwpkg; HPE_E810_CQDA2_OCP_4p90_NCSIwPLDMoMCTP_80020EF8.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

- This product fixed PXE Boot does not work when MS secured-core enabled with HPE ProLiant Gen11 AMD platform server.
- This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

- This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.
- This product enhanced media type detection function on PHY on 100G adapter.

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: 4.20 **(Recommended)**
Filename: HPE_E810_XXVDA2_SD_4p20_PLDMoMCTP_8001778C.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 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

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 Adapter
Version: 4.90 (B) **(Recommended)**
Filename: HPE_E810_XXVDA2_SD_4p90_PLDMoMCTP_80020EF6.fwpkg; HPE_E810_XXVDA2_SD_4p90_PLDMoMCTP_80020EF6.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

- This product fixed PXE Boot does not work when MS secured-core enabled with HPE ProLiant Gen11 AMD platform server.
- This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.

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: 4.90 **(Recommended)**
Filename: HPE_E810_XXVDA2_SD_OCP_4p90_NCSIwPLDMoMCTP_80020F00.fwpkg; HPE_E810_XXVDA2_SD_OCP_4p90_NCSIwPLDMoMCTP_80020F00.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

- This product fixed PXE Boot does not work when MS secured-core enabled with HPE ProLiant Gen11 AMD platform server.
- This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.

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: 4.90 **(Recommended)**
Filename: HPE_E810_XXVDA4_FH_4p90_PLDMoMCTP_80020F02.fwpkg; HPE_E810_XXVDA4_FH_4p90_PLDMoMCTP_80020F02.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

- This product fixed PXE Boot does not work when MS secured-core enabled with HPE ProLiant Gen11 AMD platform server.
- This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.

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: 4.90 **(Recommended)**
Filename: HPE_E810_XXV4_OCP_4p90_NCSIwPLDMoMCTP_80020EF3.fwpkg; HPE_E810_XXV4_OCP_4p90_NCSIwPLDMoMCTP_80020EF3.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

- This product fixed PXE Boot does not work when MS secured-core enabled with HPE ProLiant Gen11 AMD platform server.
- This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.

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 Firmware Package For E810-XXVDA4 Low Profile Ethernet 10/25Gb 4-port SFP28 Adapter (P63673-B21)
Version: 4.90 **(Recommended)**
Filename: E810_XXVDA4_LP_O_SEC_FW_1p7p9p1_NVM_4p90_PLDMoMCTP_0.03_80020EF9.fwpkg;
E810_XXVDA4_LP_O_SEC_FW_1p7p9p1_NVM_4p90_PLDMoMCTP_0.03_80020EF9.json

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.3.10-1 or later
- Intel icen Driver for VMware, version 2025.11.00 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

Fixes

This product fixed Link Speed selection under NIC Configuration in HPE RBSU menu.

Enhancements

This product adds Automatic Link on Startup option under the NIC Configuration in HPE RBSU menu.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for VMware
Version: 3.28.0 **(Recommended)**
Filename: CP068729.compsig; CP068729.zip

Important Note!

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

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version	FW Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000FDFD	1.3863.0	N/A	9.55
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000FE06	1.3863.0	N/A	9.55
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3863.0	N/A	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3863.0	N/A	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3863.0	N/A	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000E897	1.3863.0	N/A	N/A

The combo image v1.3815.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.92, 10GbE - v8.2.96, 40GbE - v5.0.22

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.

Fixes

This product fixed PXE Boot does not work when DMA remapping is enabled in AMD platform.

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

Prerequisites

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

Enhancements

Upgraded to version 22.45.1020

Supported Devices and Features

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

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

Prerequisites

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

Enhancements

Upgraded to version 26.45.1020

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P46603-B21	NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE	HPE0000000062

NVIDIA Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
Version: 26.46.3048 **(Recommended)**
Filename: 26_46_3048-MCX631102AS-ADA_Ax.pldm.fwpkg; 26_46_3048-MCX631102AS-ADA_Ax.pldm.json

Important Note!

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26463048/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 26.46.3048:

- Configuring a small MTU led to fragmentation of packets critical for the PXE boot process. As a result, the PXE boot filters mistakenly discarded these packets, causing the PXE boot to fail.

Enhancements

New features and changes included in version 26.46.3048:

- Added support for RSS with crypto offload enabling the NIC to parallelize packet processing across CPU cores while performing encryption/decryption in hardware. Additionally, introduced a new l4_type_ext parameter with values: 0 (None), 1 (TCP), 2 (UDP), 3 (ICMP).
- Added an extra validation for the payload_len field in incoming NC-SI messages. Previously, invalid packets might have been accepted; now, such packets are silently dropped.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
Version: 26.46.3048 **(Recommended)**
Filename: 26_46_3048-MCX631432AS-ADA_Ax.pldm.fwpkg; 26_46_3048-MCX631432AS-ADA_Ax.pldm.json

Important Note!

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26463048/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 26.46.3048:

- Configuring a small MTU led to fragmentation of packets critical for the PXE boot process. As a result, the PXE boot filters mistakenly discarded these packets, causing the PXE boot to fail.

Enhancements

New features and changes included in version 26.46.3048:

- Added support for RSS with crypto offload enabling the NIC to parallelize packet processing across CPU cores while performing encryption/decryption in hardware. Additionally, introduced a new l4_type_ext parameter with values: 0 (None), 1 (TCP), 2 (UDP), 3 (ICMP).
- Added an extra validation for the payload_len field in incoming NC-SI messages. Previously, invalid packets might have been accepted; now, such packets are silently dropped.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21
Version: 16.35.8002 **(Recommended)**
Filename: 16_35_8002-MCX515A-CCA_HPE_Ax.pldm.fwpkg; 16_35_8002-MCX515A-CCA_HPE_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx5firmwarev16358002lts/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 16.35.8002:

- Firmware failed to scan the correct CQs for the PF after the FW entered into the CQ recovery mode., resulting in CQs for the PF not being recovered.

Enhancements

New features and changes included in version 16.35.8002:

- Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA Ethernet Only Adapters	Firmware Version	PSID
HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter(P31246-B21 and P31246-H21)	16.35.8002	MT_0000000591

NVIDIA 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: 20.43.8002 **(Recommended)**
Filename: 20_43_8002-MCX653105A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8002-MCX653105A-HDA_HPE_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6firmwarev20438002lts/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 20.43.8002:

- Enabling DIM led to high IRQ/s in certain scenarios.

Enhancements

New features and changes included in version 20.43.8002:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter (P23664-B21 and P23664-H21)	20.43.8002	MT_0000000451

NVIDIA 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: 20.43.8002 **(Recommended)**
Filename: 20_43_8002-MCX653435A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8002-MCX653435A-HDA_HPE_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6firmwarev20438002lts/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 20.43.8002:

- Enabling DIM led to high IRQ/s in certain scenarios.

Enhancements

New features and changes included in version 20.43.8002:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter (P31323-B21 and P31323-H21)	20.43.8002	MT_0000000592

NVIDIA 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: 20.43.8002 **(Recommended)**
Filename: 20_43_8002-MCX653106A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8002-MCX653106A-HDA_HPE_Ax.pldm.json

Important Note!

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

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

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

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/connectx6firmwarev20438002lts/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 20.43.8002:

- Enabling DIM led to high IRQ/s in certain scenarios.

Enhancements

New features and changes included in version 20.43.8002:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	**Firmware Version**	**PSID**
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter(P31324-B21 and P31324-H21)	20.43.8002	MT_0000000594

NVIDIA 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: 20.43.8002 **(Recommended)**
Filename: 20_43_8002-MCX653436A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8002-MCX653436A-HDA_HPE_Ax.pldm.json

Important Note!

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

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

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

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/connectx6firmwarev20438002lts/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 20.43.8002:

- Enabling DIM led to high IRQ/s in certain scenarios.

Enhancements

New features and changes included in version 20.43.8002:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter (P31348-B21 and P31348-H21)	20.43.8002	MT_0000000593

NVIDIA 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: 20.43.8002 **(Recommended)**
Filename: 20_43_8002-MCX653105A-ECA_HPE_Ax.pldm.fwpkg; 20_43_8002-MCX653105A-ECA_HPE_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6firmwarev20438002lts/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 20.43.8002:

- Enabling DIM led to high IRQ/s in certain scenarios.

Enhancements

New features and changes included in version 20.43.8002:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter (P23665-B21 and P23665-H21)	20.43.8002	MT_0000000452

NVIDIA 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: 20.43.8002 **(Recommended)**
Filename: 20_43_8002-MCX653106A-ECA_HPE_Ax.pldm.fwpkg; 20_43_8002-MCX653106A-ECA_HPE_Ax.pldm.json

Important Note!

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

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

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

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/connectx6firmwarev20438002lts/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 20.43.8002:

- Enabling DIM led to high IRQ/s in certain scenarios.

Enhancements

New features and changes included in version 20.43.8002:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21)	20.43.8002	MT_0000000453

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B23 and P45641-H23
Version: 28.46.3048 **(Recommended)**
Filename: 28_46_3048-MCX75310AAS-NEAT_HPE2_Ax.pldm.fwpkg; 28_46_3048-MCX75310AAS-NEAT_HPE2_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx7firmwarev28463048/known+issues

Fixes

The following fixes have been included in version 28.46.3048:

- The adapter card would drop NC-SI over MCTP commands when padding bytes were present after the NC-SI checksum.

Enhancements

New features and changes included in version 28.46.3048:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter : HPE part numbers P45642-B22 and P45642-H22
Version: 28.46.3048 **(Recommended)**
Filename: 28_46_3048-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg; 28_46_3048-MCX75310AAS-HEAT_HPE2_Ax.pldm.json

Important Note!

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

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
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/connectx7firmwarev28463048/known+issues

Prerequisites

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

Fixes

The following fixes have been included in version 28.46.3048:

- The adapter card would drop NC-SI over MCTP commands when padding bytes were present after the NC-SI checksum.

Enhancements

New features and changes included in version 28.46.3048:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter : HPE part numbers P65333-B21 and P65333-H21
Version: 28.46.3048 **(Recommended)**
Filename: 28_46_3048-MCX755106AC-HEAT_HPE_Ax.pldm.fwpkg; 28_46_3048-MCX755106AC-HEAT_HPE_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx7firmwarev28463048/known+issues

Fixes

The following fixes have been included in version 28.46.3048:

- The adapter card would drop NC-SI over MCTP commands when padding bytes were present after the NC-SI checksum.

Enhancements

New features and changes included in version 28.46.3048:

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand XDR/Ethernet 2x400GbE 1-port OSFP PCIe6 x16 HHHL CX8 Crypto Adapter : HPE part number P79114-H21
Version: 40.46.3048 **(Critical)**
Filename: 40_46_3048-900-9X81E-00EX-ST0_Ax.pldm.fwpkg; 40_46_3048-900-9X81E-00EX-ST0_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx8firmwarev40463048/known+issues

Fixes

Initial version from HPE.

The following fixes have been included in version 40.46.3048:

- Fix for the adapter card dropping NC-SI over MCTP commands when padding bytes were present after the NC-SI checksum.

Enhancements

Initial version.

Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P79114-H21	HPE InfiniBand XDR/Ethernet 2x400GbE 1-port OSFP PCIe6 x16 HHHL CX8 Crypto Adapter (P79114-H21)	MT_0000001167

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand XDR400/Ethernet 400GbE 2-port QSFP112 PCIe6 x16 HHHL CX8 Crypto Adapter : HPE part number P79115-H21
Version: 40.46.3048 **(Critical)**
Filename: 40_46_3048-900-9X81Q-00CN-ST0_Ax.pldm.fwpkg; 40_46_3048-900-9X81Q-00CN-ST0_Ax.pldm.json

Important Note!

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

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

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

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx8firmwarev40463048/known+issues

Fixes

Initial version from HPE.

The following fixes have been included in version 40.46.3048:

- Fix for the adapter card dropping NC-SI over MCTP commands when padding bytes were present after the NC-SI checksum.

Enhancements

Initial version.

Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P79115-H21	HPE InfiniBand XDR400/Ethernet 400GbE 2-port QSFP112 PCIe6 x16 HHHL CX8 Crypto Adapter (P79115-H21)	MT_0000001222

NVIDIA Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
Version: 16.35.8002 **(Recommended)**
Filename: 16_35_8002-MCX562A-ACA_Ax_Bx.pldm.fwpkg; 16_35_8002-MCX562A-ACA_Ax_Bx.pldm.json

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx5firmwarev16358002lts/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 16.35.8002:

- Firmware failed to scan the correct CQs for the PF after the FW entered into the CQ recovery mode., resulting in CQs for the PF not being recovered.

Enhancements

New features and changes included in version 16.35.8002:

- Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

HPE Part Number	NVIDIA Ethernet Only Adapters	PSID
P10112-B21	Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000241

NVIDIA Firmware Package (FWPKG) for Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
Version: 22.46.3048 **(Recommended)**
Filename: 22_46_3048-MCX623105AS-VDA_Ax.pldm.fwpkg; 22_46_3048-MCX623105AS-VDA_Ax.pldm.json

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6dxfirmwarev22463048/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 22.46.3048:

- Configuring a small MTU led to fragmentation of packets critical for the PXE boot process. As a result, the PXE boot filters mistakenly discarded these packets, causing the PXE boot to fail.

Enhancements

New features and changes included in version 22.46.3048:

- Added support for RSS with crypto offload enabling the NIC to parallelize packet processing across CPU cores while performing encryption/decryption in hardware. Additionally, introduced a new l4_type_ext parameter with values: 0 (None), 1 (TCP), 2 (UDP), 3 (ICMP).
- Added an extra validation for the payload_len field in incoming NC-SI messages. Previously, invalid packets might have been accepted; now, such packets are silently dropped.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

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

NVIDIA Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE
Version: 22.46.3048 **(Recommended)**
Filename: 22_46_3048-MCX623106AS-CDA_Ax.pldm.fwpkg; 22_46_3048-MCX623106AS-CDA_Ax.pldm.json

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6dxfirmwarev22463048/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 22.46.3048:

- Configuring a small MTU led to fragmentation of packets critical for the PXE boot process. As a result, the PXE boot filters mistakenly discarded these packets, causing the PXE boot to fail.

Enhancements

New features and changes included in version 22.46.3048:

- Added support for RSS with crypto offload enabling the NIC to parallelize packet processing across CPU cores while performing encryption/decryption in hardware. Additionally, introduced a new l4_type_ext parameter with values: 0 (None), 1 (TCP), 2 (UDP), 3 (ICMP).
- Added an extra validation for the payload_len field in incoming NC-SI messages. Previously, invalid packets might have been accepted; now, such packets are silently dropped.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

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

NVIDIA Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter
Version: 16.35.8002 **(Recommended)**
Filename: 16_35_8002-MCX512F-ACH_Ax_Bx.pldm.fwpkg; 16_35_8002-MCX512F-ACH_Ax_Bx.pldm.json

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A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx5firmwarev16358002lts/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 16.35.8002:

- Firmware failed to scan the correct CQs for the PF after the FW entered into the CQ recovery mode., resulting in CQs for the PF not being recovered.

Enhancements

New features and changes included in version 16.35.8002:

- Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

HPE Part Number	NVIDIA Ethernet Only Adapters	PSID
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416

Firmware - Storage Controller Top

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR216i-o Gen11 Tri Mode Controller
Version: 52.26.3.5487 (B) **(Recommended)**
Filename: CP066018.compsig; CP066018.zip

Enhancements

Support VMware ESXi 9.0.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR216i-p Gen11 Tri Mode Controller
Version: 52.26.3.5487 (B) **(Recommended)**
Filename: CP066019.compsig; CP066019.zip

Enhancements

Support VMware ESXi 9.0.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR408i-o Gen11 Tri Mode Controller
Version: 52.26.3.5487 (B) **(Recommended)**
Filename: CP066020.compsig; CP066020.zip

Enhancements

Support VMware ESXi 9.0.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR416i-o Gen11 Tri Mode Controller
Version: 52.26.3.5487 (B) **(Recommended)**
Filename: CP066021.compsig; CP066021.zip

Enhancements

Support VMware ESXi 9.0.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR416i-p Gen11 Tri Mode Controller
Version: 52.26.3.5487 (B) **(Recommended)**
Filename: CP066022.compsig; CP066022.zip

Enhancements

Support VMware ESXi 9.0.

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: 7.81 **(Recommended)**
Filename: HPE_SR_Gen10_7.81_A.fwpkg; HPE_SR_Gen10_7.81_A.json

Important Note!

- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 7.81 for SR SAS/SATA controllers and firmware version 03.01.41.032 for SR tri-mode controllers, along with Windows driver version 1016.24.0.1002, Linux driver version 2.1.36-026, and VMware ESXi driver version 4862.0.104, as this combination has been fully qualified.

Fixes

- Fixed an issue where SEDs reverting to foreign after controller reboot due to the otherwise owned flag not being saved to the datastore.
- Fixed an issue where firmware crash/lockup during NDSR (Non-Disruptive Software Reset) due to a NULL pointer reference when handling a failed drive during logical drive rebuilt.
- Fix 4Kn foreign SED being imported into a 512B logical drive due to incorrect failure handling, which could start a rebuild on an incompatible drive and ultimately fail.
- Fixed an issue where multiple logical drives incorrectly showing REBUILDING simultaneously due to rebuild status not being updated properly during queued transformation and rebuild processes
- Fixed an issue where master key change failure on Managed SED logical drives due to LU cache flush requests conflicting with the password update process.
- Fixed an issue where physical drive Predictive Failure status not reported correctly by tools and iLO.
- Fixed an issue where controller lockup during surface scan caused by stale internal resources when handling Unrecoverable Read Errors (UREs) in unmapped logical drive regions.
- Fixed an issue where uncorrectable DDR ECC errors could be reported at boot due to cache being accessed before initialization.
- Fixed an issue where the controller could lock up (0x3120C) when enabling MCP due to duplicate routing entries from flooded BMC requests.
- Fixed an issue where SATA drives could be incorrectly reported as hot-removed during spin-up by adjusting the dampen timer to align with vendor-specified TTR values.
- Fixed an issue where the controller could lock up (0x1E30) under high I/O workloads when configuration changes occurred simultaneously with a LUN reset.
- Fixed an issue where RAID 0 could hang with I/O timeouts and LUN resets during Predictive Spare Rebuild.
- Fixed an issue where the RAID controller could incorrectly report Online Firmware Activation as enabled. Firmware now checks support during PQI initialization and sets or clears the feature flags accordingly.
- Fixed an issue where drives in some enclosures could show bay number 255 after the enclosure was powered on and hot-plugged, by adding handling for additional SCSI not ready status codes until the enclosure becomes ready.
- Fixed an issue where Micron 6550 SED drives could fail to create a Secured Volume due to insufficient timeout during the TCG Revert process.
- Fixed an issue where the controller Health state from PLDM PDRs could differ from the Storage.Status.HealthRollup value in RDE, by synchronizing the reporting logic.
- Fixed an issue where SSD firmware updates could fail in dual path configurations due to PLDM errors, by sending Test Unit Ready commands to clear check conditions before SCSI passthrough operations.
- Fixed an issue where Battery Redfish Alerts contained an incorrect OriginOfCondition pointing to a StorageController instead of the Battery resource.
- Fixed an issue where RDE UPDATE operations on a Volume's ReadCachePolicy could incorrectly appear successful during a CBE rekey, by adjusting the cache update logic to return accurate results regardless of cache status.
- Fixed an issue where the HotspareActivationPolicy allowable values incorrectly included OnDriveFailure for RAID 0 volumes with a dedicated spare, by adding configuration checks to ensure only valid values are shown.
- Fixed an issue where there is a mismatch in Overall Health State and Logical Volume State during RPI, with sensors reporting Warning (Overall Health) while RDE READs (Logical Volume State) showed OK; reporting OK during RPI is exxpected behavior.
- Fixed an issue where ProtectedWriteBack could incorrectly appear as an allowable WriteCachePolicy in RDE READs even without a backup power source, by requiring the power source to be connected and fully charged before publishing the option.
- Fixed an issue where an RDE READ on certain unsupported Drive resources could cause a controller lockup, by adding bounds checking in the firmware API.
- Fixed an issue where deleting volumes through PLDM Type 6 could cause a controller lockup if other PLDM commands were sent simultaneously. These commands now return NOT_READY when a long-running RDE operation is in progress.
- Fixed an issue where disk utilities could display an invalid box number for drives after failing over to an alternative path, by ensuring only valid controller-provided information is shown.
- Fixed an issue where an incorrect error message was shown in HII when creating a logical drive on a locked SED, by updating the error message to correctly reflect SED encryption.

Enhancements

- Added SSD life expectancy monitoring.

- Added support to require privileged operations token for all RDE ACTION operations, including Drive.Reset and Storage.SetEncryptionKey, improving security for data-destructive actions.
- Added support to provide meaningful updateInterval values for Numeric Sensor PDRs, setting 5 seconds for controller temperature and 60 seconds for drive temperature sensors.
- Enhanced the calculation of CapacityBytes@Redfish.AllowableNumbers for Volume Capabilities. The maximum allowable value is now set to the larger of (a) the largest free space range on any existing array, or (b) the sum of unassigned drives with a common interface and media type.
- Enhanced DriveMetrics support by updating the schema version from 1.0.0 to 1.2.0, adding reporting for ReadIOKiBytes and WriteIOKiBytes properties.
- Added an enhancement to display drive vendor and model name as separate fields in the Disk Information menu, improving clarity and ease of drive identification.
- Added support to securely transfer encryption keys in remote key management mode.
- Enhanced drive writes cache status reporting in HII.

Firmware Package - HPE Gen12 Boot Controller NS204i-u, HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d
Version: 1.2.14.1022 **(Recommended)**
Filename: HPE_NS204i_Gen10p_Gen11_1.2.14.1022_A.fwpkg; HPE_NS204i_Gen10p_Gen11_1.2.14.1022_A.json

Important Note!

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

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

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

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

Prerequisites

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

Fixes

- Fixed an issue that NS204i-u firmware information is not visible in UEFI when DMA remapping is enabled
- Fixed an issue that NS204i-r is intermittently undetected on DX360 Gen10 Plus after continuous reboots

Enhancements

- Introduced Self-Encrypting Drive on P81162-B21 NS204i-u 960GB NVMe SED Boot Device
- Support new Gen 12 servers.

Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller
Version: 52.32.3-6333 **(Recommended)**
Filename: HPE_MR216i-o_Gen11_52.32.3-6333_A.fwpkg; HPE_MR216i-o_Gen11_52.32.3-6333_A.json

Important Note!

- **This firmware version to be used on HPE MR216i-o Gen11 Controller.**

Prerequisites

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

Fixes

- Fix a00143124en_us Advisory: HPE MR Gen11 Controller - MR Gen11 Controllers on HPE Gen11 Servers May Fail to Generate "WriteCacheDataLoss" in the IML
- Fix a00148035en_us Advisory: HPE MR Gen11 Controllers - The Bay And Box NVMe Drive Location Is Not Displayed in the One-Time Boot Menu
- Fix an issue that Read/Write transfers over 128KB on LTO fail in Linux OS
- Fix an issue that Backup Exec doesn’t work with LTO
- Fix an issue that controller might be dropped by the iLO in server boot up when there are 240 Logical Drives are configured
- Fix a rare issue that server health shows critical temporally when remove drive continuously.
- Fix an issue that unexpected PCIConfiglink page events, Task management to the virtual SES device time out messages are logged in snapdump
- Fix an issue that Slot capable protocol is missing for empty bay
- Fix an issue that Link Speed for LTO connected to controller shows Unknown
- Fix an issue that Request Sense command causes task management on the drive where sanitization is in progress.
- Fix an issue that Redfish PATCH StorageController[ControllerRates] silently sets random values when the value beyond 255 is used.
- Fix an issue that incorrect controller error event may be logged when controller is configured as passthrough and do vm reboot
- Fix an issue that active width, current speed are wrong in Redfish Fabric port when two backplanes connected to same storage port.
- Fix a rare issue that NVMe drive link status may fail after reboot
- Fix a rare issue that controller may assert when there are multiple drives removed and inserted in a short time
- Fix an issue that sanitize percentage does not progress on SATA drives if there is SATA passthrough command running
- Fix an issue that sanitize percentage does not progress on NVMe drives
- Fix a rare issue that IO timeout and device reset may occur with stress test of Read/Write and Non-Read/Write commands

Enhancements

- DMTF PLDM Redfish Device Enablement enhancements
  - Redfish Volume Transformation Support

        - POST #Volume.ChangeRAIDLayout: RAID Layout Change. Change in the RAID Layout is achieved by providing the target RAIDType and the list of the drives in the input JSON body.
        - POST #Volume.ChangeRAIDLayout: Resize. ChangeRAIDLayout can be used to resize the volume by adding new Unconfigured Good drives without changing the RAIDType. In such cases RAIDType must not be provided in the input JSON body but the full drive list must be provided accordingly.
        - PATCH Volume[CapacityBytes]: This operation is used for resizing the volume when there is unused size available in the volume. There is no scope for adding any new drives here
        - POST #Volume.CheckConsistency: This operation starts Consistency Check operation on the volume. No input is expected for this operation.
    - Redfish Metrics GET Support
        - StorageControllerMetrics: UncorrectableECCErrorCount, CorrectableECCErrorCount, CorrectableParityErrorCount, StateChangeCount
        - PortMetrics: SAS.InvalidDwordCount, SAS.LossOfDwordSynchronizationCount, SAS.RunningDisparityErrorCount, PCIeErrors.CorrectableErrorCount, PCIeErrors.FatalErrorCount, PCIeErrors.NonFatalErrorCount
        - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
        - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for users to clear NVRAM using MRSA and storcli Factory Repurpose operation.
    - Clear NVRAM operation is not allowed if there is any configuration present on the controller or if there is any pinned cache.
    - After clearing NVRAM, controller FW performs Online Controller Reset (OCR). If for some reason OCR cannot be performed, then the user will be notified to perform a system reboot.
    - The Clear NVRAM operation is equivalent to Redfish ResetToDefaults.ResetAll operation functionally.
- Change the backplane bay count information to the actual bay that is connected to controller. For non-hotplug configuration, controller always shows 16 bays.

Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller
Version: 52.32.3-6333 **(Recommended)**
Filename: HPE_MR216i-p_Gen11_52.32.3-6333_A.fwpkg; HPE_MR216i-p_Gen11_52.32.3-6333_A.json

Important Note!

- **This firmware version to be used on HPE MR216i-p Gen11 Controller.**

Prerequisites

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

Fixes

- Fix a00143124en_us Advisory: HPE MR Gen11 Controller - MR Gen11 Controllers on HPE Gen11 Servers May Fail to Generate "WriteCacheDataLoss" in the IML
- Fix a00148035en_us Advisory: HPE MR Gen11 Controllers - The Bay And Box NVMe Drive Location Is Not Displayed in the One-Time Boot Menu
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- Fix a rare issue that server health shows critical temporally when remove drive continuously.
- Fix an issue that unexpected PCIConfiglink page events, Task management to the virtual SES device time out messages are logged in snapdump
- Fix an issue that Slot capable protocol is missing for empty bay
- Fix an issue that Link Speed for LTO connected to controller shows Unknown
- Fix an issue that Request Sense command causes task management on the drive where sanitization is in progress.
- Fix an issue that Redfish PATCH StorageController[ControllerRates] silently sets random values when the value beyond 255 is used.
- Fix an issue that incorrect controller error event may be logged when controller is configured as passthrough and do vm reboot
- Fix an issue that active width, current speed are wrong in Redfish Fabric port when two backplanes connected to same storage port.
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- Fix a rare issue that controller may assert when there are multiple drives removed and inserted in a short time
- Fix an issue that sanitize percentage does not progress on SATA drives if there is SATA passthrough command running
- Fix an issue that sanitize percentage does not progress on NVMe drives
- Fix a rare issue that IO timeout and device reset may occur with stress test of Read/Write and Non-Read/Write commands

Enhancements

- DMTF PLDM Redfish Device Enablement enhancements
    - Redfish Volume Transformation Support
        - POST #Volume.ChangeRAIDLayout: RAID Layout Change. Change in the RAID Layout is achieved by providing the target RAIDType and the list of the drives in the input JSON body.
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        - PATCH Volume[CapacityBytes]: This operation is used for resizing the volume when there is unused size available in the volume. There is no scope for adding any new drives here
        - POST #Volume.CheckConsistency: This operation starts Consistency Check operation on the volume. No input is expected for this operation.
    - Redfish Metrics GET Support
        - StorageControllerMetrics: UncorrectableECCErrorCount, CorrectableECCErrorCount, CorrectableParityErrorCount, StateChangeCount
        - PortMetrics: SAS.InvalidDwordCount, SAS.LossOfDwordSynchronizationCount, SAS.RunningDisparityErrorCount, PCIeErrors.CorrectableErrorCount, PCIeErrors.FatalErrorCount, PCIeErrors.NonFatalErrorCount
        - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
        - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
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    - Clear NVRAM operation is not allowed if there is any configuration present on the controller or if there is any pinned cache.
    - After clearing NVRAM, controller FW performs Online Controller Reset (OCR). If for some reason OCR cannot be performed, then the user will be notified to perform a system reboot.
    - The Clear NVRAM operation is equivalent to Redfish ResetToDefaults.ResetAll operation functionally.
- Change the backplane bay count information to the actual bay that is connected to controller. For non-hotplug configuration, controller always shows 16 bays.

Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller
Version: 52.32.3-6333 **(Recommended)**
Filename: HPE_MR408i-o_Gen11_52.32.3-6333_A.fwpkg; HPE_MR408i-o_Gen11_52.32.3-6333_A.json

Important Note!

- **This firmware version to be used on HPE MR408i-o Gen11 Controller.**

Prerequisites

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

Fixes

- Fix a00143124en_us Advisory: HPE MR Gen11 Controller - MR Gen11 Controllers on HPE Gen11 Servers May Fail to Generate "WriteCacheDataLoss" in the IML
- Fix a00148035en_us Advisory: HPE MR Gen11 Controllers - The Bay And Box NVMe Drive Location Is Not Displayed in the One-Time Boot Menu
- Fix an issue that Read/Write transfers over 128KB on LTO fail in Linux OS
- Fix an issue that Backup Exec doesn't work with LTO
- Fix an issue that controller might be dropped by the iLO in server boot up when there are 240 Logical Drives are configured
- Fix a rare issue that server health shows critical temporally when remove drive continuously.
- Fix an issue that unexpected PCIConfiglink page events, Task management to the virtual SES device time out messages are logged in snapdump
- Fix an issue that Slot capable protocol is missing for empty bay
- Fix an issue that Link Speed for LTO connected to controller shows Unknown
- Fix an issue that Request Sense command causes task management on the drive where sanitization is in progress.
- Fix an issue that Redfish PATCH StorageController[ControllerRates] silently sets random values when the value beyond 255 is used.
- Fix an issue that incorrect controller error event may be logged when controller is configured as passthrough and do vm reboot
- Fix an issue that active width, current speed are wrong in Redfish Fabric port when two backplanes connected to same storage port.
- Fix a rare issue that NVMe drive link status may fail after reboot
- Fix a rare issue that controller may assert when there are multiple drives removed and inserted in a short time
- Fix an issue that sanitize percentage does not progress on SATA drives if there is SATA passthrough command running
- Fix an issue that sanitize percentage does not progress on NVMe drives
- Fix a rare issue that IO timeout and device reset may occur with stress test of Read/Write and Non-Read/Write commands

Enhancements

- DMTF PLDM Redfish Device Enablement enhancements
  - Redfish Volume Transformation Support
    - POST #Volume.ChangeRAIDLayout: RAID Layout Change. Change in the RAID Layout is achieved by providing the target RAIDType and the list of the drives in the input JSON body.
    - POST #Volume.ChangeRAIDLayout: Resize. ChangeRAIDLayout can be used to resize the volume by adding new Unconfigured Good drives without changing the RAIDType. In such cases RAIDType must not be provided in the input JSON body but the full drive list must be provided accordingly.
    - PATCH Volume[CapacityBytes]: This operation is used for resizing the volume when there is unused size available in the volume. There is no scope for adding any new drives here
    - POST #Volume.CheckConsistency: This operation starts Consistency Check operation on the volume. No input is expected for this operation.
  - Redfish Metrics GET Support
    - StorageControllerMetrics: UncorrectableECCErrorCount, CorrectableECCErrorCount, CorrectableParityErrorCount, StateChangeCount
    - PortMetrics: SAS.InvalidDwordCount, SAS.LossOfDwordSynchronizationCount, SAS.RunningDisparityErrorCount, PCIeErrors.CorrectableErrorCount, PCIeErrors.FatalErrorCount, PCIeErrors.NonFatalErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for users to clear NVRAM using MRSA and storcli Factory Repurpose operation.
  - Clear NVRAM operation is not allowed if there is any configuration present on the controller or if there is any pinned cache.
  - After clearing NVRAM, controller FW performs Online Controller Reset (OCR). If for some reason OCR cannot be performed, then the user will be notified to perform a system reboot.
  - The Clear NVRAM operation is equivalent to Redfish ResetToDefaults.ResetAll operation functionally.
- Change the backplane bay count information to the actual bay that is connected to controller. For non-hotplug configuration, controller always shows 16 bays.

Firmware Package - HPE MR408i-p Gen11 Tri Mode Controller
Version: 52.32.3-6333 **(Recommended)**
Filename: HPE_MR408i-p_Gen11_52.32.3-6333_A.fwpkg; HPE_MR408i-p_Gen11_52.32.3-6333_A.json

Important Note!

- **This firmware version to be used on HPE MR408i-p Gen11 Controller.**

Prerequisites

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

Fixes

- Fix a00143124en_us Advisory: HPE MR Gen11 Controller - MR Gen11 Controllers on HPE Gen11 Servers May Fail to Generate "WriteCacheDataLoss" in the IML
- Fix a00148035en_us Advisory: HPE MR Gen11 Controllers - The Bay And Box NVMe Drive Location Is Not Displayed in the One-Time Boot Menu
- Fix an issue that Read/Write transfers over 128KB on LTO fail in Linux OS
- Fix an issue that Backup Exec doesn't work with LTO
- Fix an issue that controller might be dropped by the iLO in server boot up when there are 240 Logical Drives are configured
- Fix a rare issue that server health shows critical temporally when remove drive continuously.
- Fix an issue that unexpected PCIConfiglink page events, Task management to the virtual SES device time out messages are logged in snapdump
- Fix an issue that Slot capable protocol is missing for empty bay
- Fix an issue that Link Speed for LTO connected to controller shows Unknown
- Fix an issue that Request Sense command causes task management on the drive where sanitization is in progress.
- Fix an issue that Redfish PATCH StorageController[ControllerRates] silently sets random values when the value beyond 255 is used.
- Fix an issue that incorrect controller error event may be logged when controller is configured as passthrough and do vm reboot
- Fix an issue that active width, current speed are wrong in Redfish Fabric port when two backplanes connected to same storage port.
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- Fix an issue that sanitize percentage does not progress on SATA drives if there is SATA passthrough command running
- Fix an issue that sanitize percentage does not progress on NVMe drives
- Fix a rare issue that IO timeout and device reset may occur with stress test of Read/Write and Non-Read/Write commands

Enhancements

- DMTF PLDM Redfish Device Enablement enhancements
  - Redfish Volume Transformation Support

        - POST #Volume.ChangeRAIDLayout: RAID Layout Change. Change in the RAID Layout is achieved by providing the target RAIDType and the list of the drives in the input JSON body.
        - POST #Volume.ChangeRAIDLayout: Resize. ChangeRAIDLayout can be used to resize the volume by adding new Unconfigured Good drives without changing the RAIDType. In such cases RAIDType must not be provided in the input JSON body but the full drive list must be provided accordingly.
        - PATCH Volume[CapacityBytes]: This operation is used for resizing the volume when there is unused size available in the volume. There is no scope for adding any new drives here
        - POST #Volume.CheckConsistency: This operation starts Consistency Check operation on the volume. No input is expected for this operation.
    - Redfish Metrics GET Support
        - StorageControllerMetrics: UncorrectableECCErrorCount, CorrectableECCErrorCount, CorrectableParityErrorCount, StateChangeCount
        - PortMetrics: SAS.InvalidDwordCount, SAS.LossOfDwordSynchronizationCount, SAS.RunningDisparityErrorCount, PCIeErrors.CorrectableErrorCount, PCIeErrors.FatalErrorCount, PCIeErrors.NonFatalErrorCount
        - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
        - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for users to clear NVRAM using MRSA and storcli Factory Repurpose operation.
    - Clear NVRAM operation is not allowed if there is any configuration present on the controller or if there is any pinned cache.
    - After clearing NVRAM, controller FW performs Online Controller Reset (OCR). If for some reason OCR cannot be performed, then the user will be notified to perform a system reboot.
    - The Clear NVRAM operation is equivalent to Redfish ResetToDefaults.ResetAll operation functionally.
- Change the backplane bay count information to the actual bay that is connected to controller. For non-hotplug configuration, controller always shows 16 bays.

Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller
Version: 52.32.3-6333 **(Recommended)**
Filename: HPE_MR416i-o_Gen11_52.32.3-6333_A.fwpkg; HPE_MR416i-o_Gen11_52.32.3-6333_A.json

Important Note!

- **This firmware version to be used on HPE MR416i-o Gen11 Controller.**

Prerequisites

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

Fixes

- Fix a00143124en_us Advisory: HPE MR Gen11 Controller - MR Gen11 Controllers on HPE Gen11 Servers May Fail to Generate "WriteCacheDataLoss" in the IML
- Fix a00148035en_us Advisory: HPE MR Gen11 Controllers - The Bay And Box NVMe Drive Location Is Not Displayed in the One-Time Boot Menu
- Fix an issue that Read/Write transfers over 128KB on LTO fail in Linux OS
- Fix an issue that Backup Exec doesn't work with LTO
- Fix an issue that controller might be dropped by the iLO in server boot up when there are 240 Logical Drives are configured
- Fix a rare issue that server health shows critical temporally when remove drive continuously.
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- Fix an issue that Slot capable protocol is missing for empty bay
- Fix an issue that Link Speed for LTO connected to controller shows Unknown
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- Fix an issue that Redfish PATCH StorageController[ControllerRates] silently sets random values when the value beyond 255 is used.
- Fix an issue that incorrect controller error event may be logged when controller is configured as passthrough and do vm reboot
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- Fix an issue that sanitize percentage does not progress on NVMe drives
- Fix a rare issue that IO timeout and device reset may occur with stress test of Read/Write and Non-Read/Write commands

Enhancements

- DMTF PLDM Redfish Device Enablement enhancements
    - Redfish Volume Transformation Support
        - POST #Volume.ChangeRAIDLayout: RAID Layout Change. Change in the RAID Layout is achieved by providing the target RAIDType and the list of the drives in the input JSON body.
        - POST #Volume.ChangeRAIDLayout: Resize. ChangeRAIDLayout can be used to resize the volume by adding new Unconfigured Good drives without changing the RAIDType. In such cases RAIDType must not be provided in the input JSON body but the full drive list must be provided accordingly.
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        - POST #Volume.CheckConsistency: This operation starts Consistency Check operation on the volume. No input is expected for this operation.
    - Redfish Metrics GET Support
        - StorageControllerMetrics: UncorrectableECCErrorCount, CorrectableECCErrorCount, CorrectableParityErrorCount, StateChangeCount
        - PortMetrics: SAS.InvalidDwordCount, SAS.LossOfDwordSynchronizationCount, SAS.RunningDisparityErrorCount, PCIeErrors.CorrectableErrorCount, PCIeErrors.FatalErrorCount, PCIeErrors.NonFatalErrorCount
        - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
        - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for users to clear NVRAM using MRSA and storcli Factory Repurpose operation.
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    - After clearing NVRAM, controller FW performs Online Controller Reset (OCR). If for some reason OCR cannot be performed, then the user will be notified to perform a system reboot.
    - The Clear NVRAM operation is equivalent to Redfish ResetToDefaults.ResetAll operation functionally.
- Change the backplane bay count information to the actual bay that is connected to controller. For non-hotplug configuration, controller always shows 16 bays.

Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller
Version: 52.32.3-6333 **(Recommended)**
Filename: HPE_MR416i-p_Gen11_52.32.3-6333_A.fwpkg; HPE_MR416i-p_Gen11_52.32.3-6333_A.json

Important Note!

- **This firmware version to be used on HPE MR416i-p Gen11 Controller.**

Prerequisites

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

Fixes

- Fix a00143124en_us Advisory: HPE MR Gen11 Controller - MR Gen11 Controllers on HPE Gen11 Servers May Fail to Generate "WriteCacheDataLoss" in the IML
- Fix a00148035en_us Advisory: HPE MR Gen11 Controllers - The Bay And Box NVMe Drive Location Is Not Displayed in the One-Time Boot Menu
- Fix an issue that Read/Write transfers over 128KB on LTO fail in Linux OS
- Fix an issue that Backup Exec doesn't work with LTO
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- Fix a rare issue that server health shows critical temporally when remove drive continuously.
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- Fix an issue that Redfish PATCH StorageController[ControllerRates] silently sets random values when the value beyond 255 is used.
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Enhancements

- DMTF PLDM Redfish Device Enablement enhancements
  - Redfish Volume Transformation Support
    - POST #Volume.ChangeRAIDLayout: RAID Layout Change. Change in the RAID Layout is achieved by providing the target RAIDType and the list of the drives in the input JSON body.
    - POST #Volume.ChangeRAIDLayout: Resize. ChangeRAIDLayout can be used to resize the volume by adding new Unconfigured Good drives without changing the RAIDType. In such cases RAIDType must not be provided in the input JSON body but the full drive list must be provided accordingly.
    - PATCH Volume[CapacityBytes]: This operation is used for resizing the volume when there is unused size available in the volume. There is no scope for adding any new drives here
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  - Redfish Metrics GET Support
    - StorageControllerMetrics: UncorrectableECCErrorCount, CorrectableECCErrorCount, CorrectableParityErrorCount, StateChangeCount
    - PortMetrics: SAS.InvalidDwordCount, SAS.LossOfDwordSynchronizationCount, SAS.RunningDisparityErrorCount, PCIeErrors.CorrectableErrorCount, PCIeErrors.FatalErrorCount, PCIeErrors.NonFatalErrorCount
    - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
    - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for users to clear NVRAM using MRSA and storcli Factory Repurpose operation.
  - Clear NVRAM operation is not allowed if there is any configuration present on the controller or if there is any pinned cache.
  - After clearing NVRAM, controller FW performs Online Controller Reset (OCR). If for some reason OCR cannot be performed, then the user will be notified to perform a system reboot.
  - The Clear NVRAM operation is equivalent to Redfish ResetToDefaults.ResetAll operation functionally.
- Change the backplane bay count information to the actual bay that is connected to controller. For non-hotplug configuration, controller always shows 16 bays.

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers
Version: 03.01.41.032 **(Recommended)**
Filename: HPE_SR416_SR932_Gen10P_Gen11_03.01.41.032_A.fwpkg

Important Note!

- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 7.81 for SR SAS/SATA controllers and firmware version 03.01.41.032 for SR tri-mode controllers, along with Windows driver version 1016.24.0.1002, Linux driver version 2.1.36-026, and VMware ESXi driver version 4862.0.104, as this combination has been fully qualified.

Fixes

- Fixed an issue where SEDs reverting to foreign after controller reboot due to the otherwise owned flag not being saved to the datastore.
- Fixed an issue where multiple logical drives incorrectly showing REBUILDING simultaneously due to rebuild status not being updated properly during queued transformation and rebuild processes
- Fixed an issue where master key change failure on Managed SED logical drives due to LU cache flush requests conflicting with the password update process.
- Fixed an issue where physical drive Predictive Failure status not reported correctly by tools and iLO.
- Fixed an issue where controller lockup during surface scan caused by stale internal resources when handling Unrecoverable Read Errors (UREs) in unmapped logical drive regions.
- Fixed an issue where drives being incorrectly failed during hot-plug due to UBM backplane misreporting drive status, with firmware workaround to wait for corrected reporting.
- Fixed an issue where drive LED was being changed unexpectedly by preventing redundant LED commands when the current state already matches the target state.
- Fixed an issue where NVMe drives being dropped after SEP firmware update and reset in mixed SAS/SATA and NVMe topologies due to missed hot plug events.
- Fixed an issue where SATA drives could be incorrectly reported as hot-removed during spin-up by adjusting the dampen timer to align with vendor-specified TTR values.
- Fixed an issue that could cause NVMe drive discovery to report incorrect information due to VPD read data length and device handle conversion errors.
- Fixed an issue where the controller could lock up after a warm boot following a SAS Expander firmware update.
- Fixed an issue where Micron 6550 SED drives could fail to create a Secured Volume due to insufficient timeout during the TCG Revert process.
- Fixed an issue where the controller could lock up (0x1E30) under high I/O workloads when configuration changes occurred simultaneously with a LUN reset.
- Fixed an issue where RAID 0 could hang with I/O timeouts and LUN resets during Predictive Spare Rebuild.
- Fixed an issue where the controller Health state from PLDM PDRs could differ from the Storage.Status.HealthRollup value in RDE, by synchronizing the reporting logic.
- Fixed an issue where SSD firmware updates could fail in dual path configurations due to PLDM errors, by sending Test Unit Ready commands to clear check conditions before SCSI passthrough operations.
- Fixed an issue where Battery Redfish Alerts contained an incorrect OriginOfCondition pointing to a StorageController instead of the Battery resource.
- Fixed an issue where RDE UPDATE operations on a Volume's ReadCachePolicy could incorrectly appear successful during a CBE rekey, by adjusting the cache update logic to return accurate results regardless of cache status.

- Fixed an issue where the HotspareActivationPolicy allowable values incorrectly included OnDriveFailure for RAID 0 volumes with a dedicated spare, by adding configuration checks to ensure only valid values are shown.
- Fixed an issue where there is a mismatch in Overall Health State and Logical Volume State during RPI, with sensors reporting Warning (Overall Health) while RDE READs (Logical Volume State) showed OK; reporting OK during RPI is expected behavior.
- Fixed an issue where firmware updates on SR932 Gen11 controllers could get stuck in the APPLY state when using PLDM Type 5. The firmware now pauses background activities during image flashing to ensure timely completion.
- Fixed an issue where ProtectedWriteBack could incorrectly appear as an allowable WriteCachePolicy in RDE READs even without a backup power source, by requiring the power source to be connected and fully charged before publishing the option.
- Fixed an issue where an RDE READ on certain unsupported Drive resources could cause a controller lockup, by adding bounds checking in the firmware API.
- Fixed an issue where deleting volumes through PLDM Type 6 could cause a controller lockup if other PLDM commands were sent simultaneously. These commands now return NOT_READY when a long-running RDE operation is in progress.
- Fixed an issue where disk utilities could display an invalid box number for drives after failing over to an alternative path, by ensuring only valid controller-provided information is shown.
- Fixed an issue where an incorrect error message was shown in HII when creating a logical drive on a locked SED, by updating the error message to correctly reflect SED encryption.

Enhancements

- Enhanced functionality to expose the NVMe drive form factor based on the NVMe-MI specification
- Optimized drive temperature checking for expander-based topologies.
- Added support to write transformation backup data to an additional drive that is part of a fault-tolerant RAID volume to ensure data redundancy.
- Added SSD life expectancy monitoring.
- Added support to require privileged operations token for all RDE ACTION operations, including Drive.Reset and Storage.SetEncryptionKey, improving security for data-destructive actions.
- Added support to provide meaningful update Interval values for Numeric Sensor PDRs, setting 5 seconds for controller temperature and 60 seconds for drive temperature sensors.
- Enhanced the calculation of CapacityBytes@Redfish.AllowableNumbers for Volume Capabilities. The maximum allowable value is now set to the larger of (a) the largest free space range on any existing array, or (b) the sum of unassigned drives with a common interface and media type.
- Enhanced DriveMetrics support by updating the schema version from 1.0.0 to 1.2.0, adding reporting for ReadIOKiBytes and WriteIOKiBytes properties.
- Added an enhancement to display drive vendor and model name as separate fields in the Disk Information menu, improving clarity and ease of drive identification.
- Added support to securely transfer encryption keys in remote key management mode.
- Enhanced drive writes cache status reporting in HII.

HPE D3600/D3700/D3610/D3710 12Gb SAS Disk Enclosure ROM Flash Component
Version: 5.04 (G) **(Recommended)**
Filename: D3000.fwpkg

Important Note!

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

Prerequisites

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

Fixes

The following fixes were incorporated in this version:

- The Enabled-ClusterS2D command now completes successfully when executed on a SATA drive within a D3610 disk enclosure for a NonStop solution.
- The smart carrier, which is the drive case for SAS drives, now authenticates in the D3610/D3710 drive enclosure.
- Added new 7-segment error codes E0 and E1 to report issues with Fan modules A and B, respectively. These new codes only apply to the D3610/D3710 and only display when running firmware 5.04.
- If the storage enclosure processor within the I/O module fails, a hard reset (power down and then power up) is executed to ensure the processor comes back online.

Please refer to the Release Notes for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

Supported Devices and Features

The D3600 / D3700 / D3610 / D3710 Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- HPE Smart Array SR P416ie-m Gen11 Controller
- HPE Smart Array E208e-p Controller

HPE D3610B/D3710B 12Gb SAS Disk Enclosure ROM Flash Component
Version: 6.00 (G) **(Recommended)**
Filename: D3000B.fwpkg

Important Note!

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

Prerequisites

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

Fixes

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The following fixes were incorporated in this version:

- Code optimization to save memory repo.
- TLB exception seen while doing esp reset when expander reset was in progress.
- Added the psoc 8.93 binary in peripheral images, updated the reveille version numbers.
- Added whole new Delta PS-pmbus code , Updated the ESP version number.

Please refer to the Release Notes for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

Supported Devices and Features

The D3610B / D3710B Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- HPE Smart Array SR P416ie-m Gen11 Controller
- HPE Smart Array E208e-p Controller

Online Firmware Flash for ESXi - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d
Version: 1.2.14.1018 (C) **(Recommended)**
Filename: CP067921.compsig; CP067921.zip

Enhancements

- Remove 2 EOL NS204i controllers.

Online ROM Flash Component for VMware ESXi - HPE Smart Array P816i-a,P416ie-m,P408i-p, P408e-p, P408i-a,P408i-c,P204i-c,E208i-p, E208e-p, E208i-a, P208i-c SR Gen10
Version: 5.61 (E) **(Recommended)**
Filename: CP064739.compsig; CP064739.zip

Enhancements

- Added ESXi9.0 support.

Firmware - Storage Fibre Channel Top

HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters
Version: 14.4.731.5 **(Recommended)**
Filename: PP14.4.731.5_header.pldm.fwpkg

Important Note!

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

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1620E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1720E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1620E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1720E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0

Supported Devices and Features

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

32Gb FC Adapter:

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

64Gb FC Adapter:

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

HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters
Version: 14.4.731.5 **(Recommended)**
Filename: P14.4.731.5_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	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0

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	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0

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 32Gb and 64Gb Fibre Channel Host Bus Adapters
Version: 02.11.09 **(Recommended)**
Filename: mh021109.upd_header.pldm.fwpkg

Important Note!

Release Notes:
HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.09	09.15.15	7.39	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.09	09.15.15	7.39	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.09	09.15.15	7.39	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.09	09.15.15	7.39	0.0

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	02.11.09	09.15.15	7.39	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.09	09.15.15	7.39	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.09	09.15.15	7.39	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.09	09.15.15	7.39	0.0

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

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Software - Management Top

HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0
Version: 2025.11.00 **(Recommended)**
Filename: cp068902.compsig; cp068902.zip

Fixes

Implement MSI interrupt in the ilo driver to fix PSOD due to interrupt storm and to fix snmpwalk delays.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers
Version: 2025.09.01 **(Recommended)**
Filename: cp065587.compsig; cp065587.zip

Important Note!

- Actual ESXi Version is 6.50.11.0

Fixes

- Fixed the "Parity Initialization Method" information displayed for non-parity RAID levels.
- Fixed an issue where users were unable to clear the controller's configuration when a foreign volume was present.
- Fixed an issue where a foreign-owned SED drive was being listed for array creation.
- Fixed an issue where the last failure reason was not listing on physical drives.
- Fixed an issue where SSAScripting failed to create an encrypted volume while in express local mode.
- Fixed an issue where an error/warning message was not being generated correctly while expanding a RAID 1+0 volume.
- Fixed an issue where a duplicate entry for the physical drive was displayed.

Software - Storage Controller Top

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)
Version: 2025.08.01 **(Recommended)**
Filename: cp067756.compsig; cp067756.zip

Important Note!

- Actual ESXi Version is 007.3212.0000.0000

Enhancements

- Add support for users to clear NVRAM using Factory Repurpose operation
  - Command: storcli /cx set factory repurpose

Software - Storage Fibre Channel Top

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0
Version: 2024.03.01 **(Recommended)**
Filename: cp059831.compsig; cp059831.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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HPE QLogic Fibre Channel driver component for VMware vSphere 8.0
Version: 2025.05.01 **(Recommended)**
Filename: cp066346.compsig; cp066346.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 5.4.85.0-1
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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Software - System Management Top

HPE Agentless Management Bundle for ESXi for Gen11 and Gen12 Servers
Version: 802.12.3.0 **(Recommended)**
Filename: amsdvComponent_802.12.3.0.8-1-signed_component.zip

Fixes

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

Enhancements

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

HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers
Version: 2025.11.01 **(Recommended)**
Filename: cp069191.compsig; cp069191.zip

Prerequisites

For HPE servers with iLO 7:

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

Fixes

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

Enhancements

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

Integrated Smart Update Tools for VMware ESXi 8.0 and ESXi 9.0
Version: 800.6.4.0 **(Recommended)**
Filename: sutComponent_800.6.4.0.29-0-signed_component.zip

Important Note!

Integrated Smart Update Tools for ESXi 8.0 and ESXi 9.0 which 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.

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Hewlett Packard Enterprise