

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](#)

Gen10 SPP 2024.09.00.00 Release Notes for VMware ESXi 7.0

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ROM Flash Firmware Package - HPE Apollo 2000 Gen10/HPE ProLiant XL170r/XL190r Gen10 (U38) Servers

Version: 3.30_07-31-2024 (**Recommended**)

Filename: U38_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant XL170/XL190 Gen10 System ROM - U38

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE Apollo 4200 Gen10/HPE ProLiant XL420 Gen10 (U39) Servers
Version: 3.30_07-31-2024 (**Recommended**)
Filename: U39_3.30_07_31_2024.fwpkg

Important Note!**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE Apollo 4200 Gen10/ProLiant XL420 Gen10 System ROM - U39

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE Apollo 4510 Gen10/HPE ProLiant XL450 Gen10 (U40) Servers

Version: 3.30_07-31-2024 (**Recommended**)

Filename: U40_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE Apollo 4510 Gen10/HPE ProLiant XL450 Gen10 System ROM - U40

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This

version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE Apollo 6500 Gen10/HPE ProLiant XL270d Gen10 (U45) Servers

Version: 3.30_07-31-2024 (**Recommended**)

Filename: U45_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant XL270d Gen10 System ROM - U45

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where Windows Server 2025 HLK TPM2.0 UEFI Preboot Interface test failed on XL450Gen10.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This

version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where Windows Server 2025 HLK TPM2.0 UEFI Preboot Interface test failed on XL450Gen10.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Enhancements

See the release document U45_3.30_07_22_2024 in Download Product Binaries page from Product Summary of the firmware product.

ROM Flash Firmware Package - HPE DL110 Gen10 Plus Telco (U56) Servers

Version: 2.20_08-07-2024 **(Recommended)**

Filename: U56_2.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603 (2.00_12_18_2023).

Deliverable Name:

HPE ProLiant DL110 Gen10 Plus System ROM - U56

Release Version:

2.20_08-07-2024

Last Recommended or Critical Revision:

2.20_08-07-2024

Previous Revision:

2.12_06_14_2024

Firmware Dependencies:

None

Enhancements/New Features:

Updated some Japanese translation

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603 (2.00_12_18_2023).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.

Known Issues:

None

Enhancements

Updated some Japanese translation

ROM Flash Firmware Package - HPE ProLiant DL160 Gen10/DL180 Gen10 (U31) Servers

Version: 3.30_07-31-2024 (**Recommended**)

Filename: U31_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant DL160 Gen10/DL180 Gen10 System ROM - U31

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL20 Gen10 (U43) Servers

Version: 3.40_08-01-2024 (**Recommended**)

Filename: U43_3.40_08_01_2024.fwpkg

Important Note!**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Deliverable Name:

HPE DL20 Gen10 System ROM - U43

Release Version:

3.40_08-01-2024

Last Recommended or Critical Revision:

3.40_08-01-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where WHLK HSTI test failed.

Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter an RSOD while updating the SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where WHLK HSTI test failed.

Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter an RSOD while updating the SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

ROM Flash Firmware Package - HPE Proliant DL20 Gen10 Plus Servers
Version: 2.20_08-07-2024 **(Recommended)**
Filename: U60_2.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604 (2.00_12_20_2023).

Deliverable Name:

HPE DL20 Gen10 Plus System ROM - U60

Release Version:

2.20_08-07-2024

Last Recommended or Critical Revision:

2.20_08-07-2024

Previous Revision:

2.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.

Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604 (2.00_12_20_2023).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.

Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Updated some Japanese translation.

ROM Flash Firmware Package - HPE ProLiant DL325 Gen10 (A41) Servers

Version: 3.20_07-04-2024 (**Optional**)

Filename: A41_3.20_07_04_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.M for AMD 1st Generation EPYC processors.

Deliverable Name:

HPE ProLiant DL325 Gen10 System ROM - A41

Release Version:

3.20_07-04-2024

Last Recommended or Critical Revision:

3.10_05-16-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of MR controller.

Addressed an issue where duplicated "Physical Drive missing" may appear in POST and IML.

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.M for AMD 1st Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of MR controller.

Addressed an issue where duplicated "Physical Drive missing" may appear in POST and IML.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL360 Gen10 (U32) Servers
Version: 3.30_07-31-2024 (**Recommended**)
Filename: U32_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant DL360 Gen10 System ROM - U32

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL380 Gen10 (U30) Servers

Version: 3.30_07-31-2024 **(Recommended)**

Filename: U30_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant DL380 Gen10 System ROM - U30

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL385 Gen10 (A40) Servers

Version: 3.20_07-04-2024 **(Optional)**

Filename: A40_3.20_07_04_2024.fwpkg

Important Note!**Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.M for AMD 1st Generation EPYC processors.

Deliverable Name:

HPE DL385 Gen10 System ROM - A40

Release Version:

3.20_07-04-2024

Last Recommended or Critical Revision:

3.10_05-16-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of MR controller.

Addressed an issue where duplicated "Physical Drive missing" may appear in POST and IML.

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.M for AMD 1st Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of MR controller.

Addressed an issue where duplicated "Physical Drive missing" may appear in POST and IML.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL560 Gen10/DL580 Gen10 (U34) Servers
Version: 3.30_07-31-2024 (**Recommended**)
Filename: U34_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant DL560 Gen10/DL580 Gen10 System ROM - U34

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant MicroServer Gen10 Plus (U48) Servers

Version: 3.40_08-01-2024 **(Recommended)**

Filename: U48_3.40_08_01_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Deliverable Name:

HPE MicroServer Gen10 Plus System ROM - U48

Release Version:

3.40_08-01-2024

Last Recommended or Critical Revision:

3.40_08-01-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where WHLK HSTI test failed.

Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter an RSOD while updating the SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where WHLK HSTI test failed.

Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter an RSOD while updating the SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant MicroServer Gen10 Plus v2 (U64) Servers

Version: 2.20_08-07-2024 **(Recommended)**

Filename: U64_2.20_08_07_2024.fwpkg

Important Note!**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604 (2.00_12_20_2023).

Deliverable Name:

HPE ProLiant MicroServer Gen10 Plus v2 System ROM - U64

Release Version:

2.20_08-07-2024

Last Recommended or Critical Revision:

2.20_08-07-2024

Previous Revision:

2.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.

Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604 (2.00_12_20_2023).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.

Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Updated some Japanese translation.

ROM Flash Firmware Package - HPE ProLiant ML110 Gen10 (U33) Servers

Version: 3.30_07-31-2024 **(Recommended)**

Filename: U33_3.30_07_31_2024.fwpkg

Fixes

See the release document U33_3.30_07_31_2024 in Download Product Binaries page from Product Summary of the firmware product.

Enhancements

See the release document U33_3.30_07_31_2024 in Download Product Binaries page from Product Summary of the firmware product.

ROM Flash Firmware Package - HPE ProLiant ML30 Gen10 (U44) Servers
Version: 3.40_08-01-2024 (**Recommended**)
Filename: U44_3.40_08_01_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Deliverable Name:

HPE ProLiant ML30 Gen10 System ROM - U44

Release Version:

3.40_08-01-2024

Last Recommended or Critical Revision:

3.40_08-01-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where WHLK HSTI test failed.

Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter an RSOD while updating the SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where WHLK HSTI test failed.

Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Addressed an issue where system may encounter an RSOD while updating the SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant ML30 Gen10 Plus Servers

Version: 2.20_08-07-2024 (**Recommended**)

Filename: U61_2.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604 (2.00_12_20_2023).

Deliverable Name:

HPE ProLiant ML30 Gen10 Plus System ROM - U61

Release Version:

2.20_08-07-2024

Last Recommended or Critical Revision:

2.20_08-07-2024

Previous Revision:

2.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.

Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604 (2.00_12_20_2023).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.

Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Updated some Japanese translation.

ROM Flash Firmware Package - HPE ProLiant ML350 Gen10 (U41) Servers

Version: 3.30_07-31-2024 (**Recommended**)

Filename: U41_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant ML350 Gen10 System ROM - U41

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant XL225n Gen10 Plus (A46) Servers
Version: 3.20_08-07-2024 (**Recommended**)
Filename: A46_3.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors.

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Deliverable Name:

HPE ProLiant XL225n Gen10 Plus System ROM - A46

Release Version:

3.20_08-07-2024

Last Recommended or Critical Revision:

3.20_08-07-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors.

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

ROM Flash Firmware Package - HPE ProLiant XL230k Gen10 (U37) Server

Version: 3.30_07-31-2024 **(Recommended)**

Filename: U37_3.30_07_31_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Deliverable Name:

HPE ProLiant XL230k Gen10 System ROM - U37

Release Version:

3.30_07-31-2024

Last Recommended or Critical Revision:

3.30_07-31-2024

Previous Revision:

3.20_05-27-2024

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where Windows Server 2025 HLK TPM2.0 UEFI Preboot Interface test failed on XL450Gen10.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.

Addressed an issue where Windows Server 2025 HLK TPM2.0 UEFI Preboot Interface test failed on XL450Gen10.

Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.

Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

Known Issues:

None

ROM Flash Universal Firmware Package - HPE Apollo 6500 Gen10 Plus/HPE ProLiant XL645d Gen10 Plus (A48) Servers
Version: 3.20_08-07-2024 (**Recommended**)
Filename: A48_3.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Deliverable Name:

HPE ProLiant XL645d/XL215n Gen10 Plus System ROM - A48

Release Version:

3.20_08-07-2024

Last Recommended or Critical Revision:

3.20_08-07-2024

Previous Revision:

3.10_05_17_2024

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes**Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

ROM Flash Universal Firmware Package - HPE Apollo 6500 Gen10 Plus/HPE ProLiant XL675d Gen10 Plus (A47) Servers

Version: 3.20_08-07-2024 (**Recommended**)

Filename: A47_3.20_08_07_2024.fwpkg

Important Note!**Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Deliverable Name:

HPE Apollo 6500 Gen10 Plus/ProLiant XL675d Gen10 Plus System ROM - A47

Release Version:

3.20_08-07-2024

Last Recommended or Critical Revision:

3.20_08-07-2024

Previous Revision:

3.10_05_17_2024

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

ROM Flash Universal Firmware Package - HPE ProLiant DL325/DL325 v2/DL345 Gen10 Plus (A43) Servers
Version: 3.20_08-07-2024 (**Recommended**)
Filename: A43_3.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors.

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Deliverable Name:

HPE ProLiant DL325/DL325 v2/DL345 Gen10 Plus System ROM - A43

Release Version:

3.20_08-07-2024

Last Recommended or Critical Revision:

3.20_08-07-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors.

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass

ROM Flash Universal Firmware Package - HPE ProLiant DL360/DL380 Gen10 Plus (U46) Servers
Version: 2.20_08-07-2024 (**Recommended**)
Filename: U46_2.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603 (2.00_12_18_2023).

Deliverable Name:

HPE DL360 Gen10 Plus/DL380 Gen10 Plus System ROM - U46

Release Version:

2.20_08-07-2024

Last Recommended or Critical Revision:

2.20_08-07-2024

Previous Revision:

2.12_06_14_2024

Firmware Dependencies:

None

Enhancements/New Features:

Updated some Japanese translation

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.
Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.
Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.
Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603 (2.00_12_18_2023).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.

Known Issues:

None

Enhancements

Updated some Japanese translation.

ROM Flash Universal Firmware Package - HPE ProLiant DL365/DL385/DL385 v2 Gen10 Plus (A42) Servers

Version: 3.20_08-07-2024 (**Recommended**)

Filename: A42_3.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors.

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Deliverable Name:

HPE DL365 Gen10 Plus/DL385 Gen10 Plus/DL385 v2 Gen10 Plus System ROM - A42

Release Version:

3.20_08-07-2024

Last Recommended or Critical Revision:

3.20_08-07-2024

Previous Revision:

3.10_05-16-2024

Firmware Dependencies:

None

Enhancements/New Features:

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

`/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass`

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Fixes

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.D for AMD 3rd Generation EPYC processors.

This revision of the System ROM includes AMD reference code RomePI 1.0.0.J for AMD 2nd Generation EPYC processors.

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.

Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.

Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.

Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.

Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.

Addressed an issue where system may encounter a RSOD while updating SAS drive FW via HPE Service Packs, including, but not limited to, VMware ESXi Online HDD FW Component Bundle 16.00, HPE Synergy Service Pack (SSP) 2024.01.02 (January 2024) and the future HPE Synergy Service Pack (SSP) 2024.07.01 (July 2024).

Known Issues:

None

Enhancements

Added the System Configuration (RBSU) option "Processor Options/AMD IC Config Disable IT Bypass" and set to "Disabled" by default. Enable this option if a UMCE with Bank 0x03 and Synd[0]=1 is logged in IML on EPYC 7003 processors.

This setting has the following Redfish property:

`/redfish/v1/systems/1/bios/settings/AmdIcConfigDisableITBypass`

ROM Flash Firmware Package - HPE ProLiant XL220n/XL290n Gen10 Plus 1U Node and 2U Node Configure-to-order Server (U47)

Version: 2.20_08-07-2024 (**Recommended**)

Filename: U47_2.20_08_07_2024.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603 (2.00_12_18_2023).

Deliverable Name:

HPE ProLiant XL220n Gen10 Plus 1U/XL290n Gen10 Plus 2U Node CTO Server System ROM - U47

Release Version:

2.20_08-07-2024

Last Recommended or Critical Revision:

2.20_08-07-2024

Previous Revision:

2.12_06_14_2024

Firmware Dependencies:

None

Enhancements/New Features:

Updated some Japanese translation

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.
Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.
Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.
Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603 (2.00_12_18_2023).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where NS204i may not be identified as an NVMe device.
Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.
Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.
Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.

Known Issues:

None

Enhancements

Updated some Japanese translation.

Driver - Lights-Out Management

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HPE iLO Native Driver for ESXi 7.0
Version: 10.8.2 (**Recommended**)
Filename: ilo-driver_700.10.8.2.2-1OEM.700.1.0.15843807_22942561.zip

Fixes

This product addressed a memory leak in vmkernel.

Driver - Network

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HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0
Version: 2024.09.00 (**Recommended**)
Filename: cp062100.compsig; cp062100.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, 230.1.123000* or later, for use with this driver.

Fixes

This product addresses the problem to enabling NPAR+ SRIOV (more than supported VFs through Driver) causes system failure.

Enhancements

- This product enhances RoCE command size trimming.
- This product enhances driver logging to capture non-supported dual-rate transceiver async errors.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Intel i40en Driver for VMware vSphere 7.0

Version: 2024.09.00 (**Recommended**)

Filename: cp061663.compsig; cp061663.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 CP0xxxx.xml file.

HPE recommends the firmware provided in *HPE Intel Online Firmware Upgrade Utility for VMware*, version 3.24.0 or later, for use with this driver.

Enhancements

- This product enhanced to support log FW Failure Critical Data in Recovery Mode.
- This product enhanced to support add module parameters pause_rx and pause_tx for Link Flow Control and enable it by default.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- HPE Ethernet 1Gb 2-port 368i Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 563i Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
- HPE Ethernet 10Gb 2-port 568i Adapter
- HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel igbn Driver for VMware vSphere 7.0

Version: 2024.09.00 (**Recommended**)

Filename: cp062162.compsig; cp062162.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 CP0xxxx.xml file.

HPE recommends the firmware provided in *HPE Intel Online Firmware Upgrade Utility for VMware*, version 3.24.0 or later, for use with this driver.

Enhancements

This product added support to new Gen11 servers.

Supported Devices and Features

These drivers support the following network adapters:

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

HPE Intel ixgben Driver for VMware vSphere 7.0

Version: 2024.03.00 (**Recommended**)

Filename: cp059752.compsig; cp059752.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 3.23.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.4.

Supported Devices and Features

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 560SFP+ Adapter
- HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 561T Adapter
- HPE Ethernet 10Gb 2-port 561FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0

Version: 2024.09.00 (**Recommended**)

Filename: cp061738.compsig; cp061738.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 as below for use with these drivers,

- HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.65.14 or later.
- HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.19.0 or later.

Fixes

This product corrects an issue which system crashed due to hardware error.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCUC OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter
- HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ QL41132HQCUC OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter

HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0

Version: 2024.09.00 (**Recommended**)

Filename: cp061740.compsig; cp061740.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.hp.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in *HPE QLogic NX2 Online Firmware Upgrade Utility for VMware*, version 1.35.0 or later, for use with this driver.

Fixes

- This product corrects an issue which fix TSO (TCP Segmentation Offload) issue when single segment is larger than pkt length.
- This product corrects an issue which PSOD while freeing DMA during 'esxcli qlfastlinc qcc' command execution.

Supported Devices and Features

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 533FLR-T Adapter
- HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
- HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

Intel icen Driver for VMware vSphere 7.0

Version: 2024.09.00 (**Recommended**)

Filename: cp061667.compsig; cp061667.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 4.50 or later, for use with these drivers.

Fixes

This product fixed an issue which NIC port was in autonegotiation mode, many DOWN/UP sequences was applied by the link partner, and NIC port remained in DOWN state randomly.

Enhancements

This product added a warning message when RDMA critical error occurs.

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

net-mst kernel module driver component for VMware ESXi 7.0 Update 3
Version: 2023.09.20 **(Recommended)**
Filename: cp058585.compsig; cp058585.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the HPE vib depot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

Prerequisites

NA

Enhancements

NMST version 4.25.0.703

This version is supported on VMware ESXi 7.0 Update 3 only.

Supported Devices and Features

HPE Part Number	Device Name	PSID
764282-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+M Adapter	HP_1350110023
764283-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+M Adapter	HP_1360110017
764284-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+QSFP Adapter	HP_1370110017
P24837-B21	HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter	HPE0000000054
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HP_1200111023
764285-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+FLR-QSFP Adapter	HP_1380110017
764286-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+FLR-QSFP Adapter	HP_1390110023
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
868779-B21	HPE Synergy 6410C 25/50Gb Ethernet Adapter	HPE0000000006
779793-B21	HPE Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HPE Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P21927-B21	HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter	MT_0000000417
P10112-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	MT_0000000241
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416
P11341-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter	MT_0000000238
P21930-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter	MT_0000000414
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P23664-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port MCX653105A-HDAT QSFP56 x16 Adapter	MT_0000000451
P23665-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port MCX653105A-ECAT QSFP56 x16 Adapter	MT_0000000452
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	MT_0000000591
P31323-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter	MT_0000000592
	HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI	

P31348-B21	Adapter	MT_0000000593
P31324-B21	HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter	MT_0000000594
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

VMware ESXi 7.0 MST Drivers Offline Bundle for Mellanox Adapters

Version: 4.25.0.703 **(Recommended)**

Filename: Mellanox-NATIVE-NMST_4.25.0.703-1OEM.703.0.0.18644231_22224803.zip

Prerequisites

NA

Enhancements

VM70 nmst 4.25.0.703

Driver - Storage Controller

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HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0

Version: 2023.12.01 **(Recommended)**

Filename: cp057482.compsig; cp057482.zip

Important Note!

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

Enhancements

- New release for version 7.726.02.00.
- Support new HPE ProLiant DL145 Gen11 server.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).

Version: 2024.10.01 **(Recommended)**

Filename: cp059501.compsig; cp059501.zip

Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com, plus an HPE specific CPXXXX.xml file.
- Actual ESXi Version is 7.0.4672.0.104

Fixes

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

Firmware - Network

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Broadcom Firmware Package for BCM5741x adapters

Version: 230.1.123.0 **(Recommended)**

Filename: bcm230.1.123.0.pup.fwpkg

Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where getting Transceiver Temperature erroneous unit value.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.
- The product addresses an issue where temperature error messages exceed critical values as seen in the Redfish Device Enablement (RDE) Ports schema when the LinkState is set to Disabled.

Enhancements

- This product enhances the Get Package Status command support.
- This product enhances to add a warning message when a non-supported dual-rate transceiver is used.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.

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: 230.1.123.0 (**Recommended**)

Filename: bcm230.1.123.0_Thor.pup.fwpkg

Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where RDE Port LLDPReceive ManagementAddressMAC returned empty string when it's not present.
- This product addresses an issue where Ethtool shows wrong module type when a port is in a certain breakout mode.
- This product addresses an issue where in low temperature test, BMC reading module temperature result is 0xff.
- This product addresses an issue where failure to set default values for firmware speed capabilities.
- This product enhances support for loopback port statistics via HWRM (Hardware Resource Manager).
- This product addresses an issue where flow control status in dmesg shows wrong TX and RX negotiated status.
- This product addresses an issue where fixed bnxtnvm to verify the VPD data before writing to the NVM.
- This product addresses an issue where ping failures between allmulticast enabled VFs.
- This product addresses where the RoCE protocol's read_context function in the HWRM (Hardware Resource Manager) component was failing when dealing with the Completion Queue.

Enhancements

- This product enhances the core-dump missing a few entries.
- This product enhances the Hardware CoS queue re-configuration between ifdown/ifup.
- This product enhances to add support for enable/disable RDMA to NCSI command NcsiCmd_Set_Partition_Cfg_cmd function.
- This product enhances to add support store PLDM Monitoring and Control events before BMC's SetEventReceiver command.
- This product addresses an issue where Tx timeout detected in dmesg while running L2 traffic with 9600 MTU.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for VMware

Important Note!

This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.55	21.6.74

Prerequisites

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

Fixes

- This product addresses a problem that might cause a BSOD when trying to reboot the system from operating Windows systems due to NIC internal software mutex problem.
- This product addresses an issue where a random missing DHCP IP address occurs when the iLO shared NIC port is used, due to NIC internal software mutex problem.
- This product addresses an issue that might cause the POST to get stuck due to NIC internal software mutex problem.

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 Firmware Package for BCM5741x adapters
Version: 230.1.123000 (**Recommended**)
Filename: bcm230.1.123000.Optimized.pup.fwpkg

Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where getting Transceiver Temperature erroneous unit value.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.

Enhancements

- This product enhances the Get Package Status command support.
- This product enhances to add a warning message when a non-supported dual-rate transceiver is used.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware
 Version: 5.23.0 **(Recommended)**
 Filename: CP062108.compsig; CP062108.zip

Important Note!

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2024.09.00 or later, for use with this firmware.

This software package contains NVM Image version 230.1.123000 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	RoCE Version
HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.0.168.0	230.0.168.0	230.0.167.0	230.0.167.0	230.0.168.0
HPE Ethernet 10Gb 2-port 535T Adapter					
HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter					
HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter					
HPE Ethernet 10Gb 2-port 537SFP+ Adapter					
HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter					

Prerequisites

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

Fixes

- This product addresses an issue where getting Transceiver Temperature erroneous unit value.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.

Enhancements

- This product enhances the Get Package Status command support.
- This product enhances to add a warning message when a non-supported dual-rate transceiver is used.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.
 Version: 1.39.0 **(Recommended)**
 Filename: CP062096.compsig; CP062096.zip

Important Note!

- **This component ONLY support HPE ProLiant Gen10 server series.**

This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 2-port 330i Adapter (22BD)	2.10	21.6.4	1.5.55	21.6.74
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.55	21.6.4	1.5.55	21.6.74
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.55	21.6.74

For previous firmware versions prior to v20.19.51, please refer to the link : <https://www.hpe.com/global/swpublishing/MTX-4f19da2bceff4b73a31531d71e>

Prerequisites

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

Enhancements

This product enhances NVRAM configuration during the firmware upgrade.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 1Gb 2-port 330i Adapter (22BD)
- HPE Ethernet 1Gb 4-port 331i Adapter (22BE)
- HPE Ethernet 1Gb 4-port 331FLR Adapter
- HPE Ethernet 1Gb 4-port 331T Adapter
- HPE Ethernet 1Gb 2-port 332i Adapter (22E8)
- HPE Ethernet 1Gb 2-port 332T Adapter

HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.

Version: 3.24.0 (**Recommended**)

Filename: CP061687.compsig; CP061687.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
HPE Ethernet 1Gb 2-port 361i Adapter	8000119A	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.1375.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3612.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3612.0	11.1.7

HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3612.0	10.55.3
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The combo image v1.3612.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.52, 10GbE - v8.2.46, 40GbE - v5.0.04

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

This software package no longer contains Firmware for the below listed supported network adapters:

HPE Ethernet 1Gb 2-port 363i Adapter

HPE Ethernet 1Gb 4-port 366i Adapter

HPE Ethernet 1Gb 4-port 366i Communication Board

HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 561FLR-T Adapter

HPE Ethernet 10Gb 2-port 561T Adapter

- The latest firmware version of above adapters, please refer to the link : https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes

Prerequisites

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

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

This package supports the following network adapters:

- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- HPE Ethernet 1Gb 2-port 368i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
- HPE Ethernet 10Gb 2-port 568i Adapter
- HPE Ethernet 10Gb 2-port 563i Adapter

HPE QLogic FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.14 (**Recommended**)

Filename: ql_hp_ah_mbi_8.65.14_pldm.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,

- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.74.4.0-8 or later
- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.15.0 or later
- HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2024.09.00 or later

This software package contains combo image v8.65.14. This combo image includes: Boot Code (MFW): 8.65.5.0, PXE:2.0.19, and UEFI: 4.1.13.1.

Enhancements

This product enhanced the compatibility with drivers.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Adapter
- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware

Version: 8.55.12 (**Recommended**)

Filename: CP058232.compsig; CP058232.zip

Important Note!

HPE recommends *HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware*, versions 2021.04.05 or later, for use with this firmware.

This software package contains combo image version v8.55.12 includes:

- Boot Code (MFW): 8.55.21.0
- UEFI: 4.1.11.2
- PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/SPP to update the firmware on the supported adapters.

Prerequisites

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

Fixes

This product addresses a pause flood condition on switch when attempting iPXE boot.

Enhancements

This product contains support PLDM firmware upgrade base improvements.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware

Version: 4.19.0 (**Recommended**)

Filename: CP061755.compsig; CP061755.zip

Important Note!

HPE recommends *HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware*, versions 2024.09.00 or later, for use with this firmware.

This software package contains combo image version v8.65.14 includes:

- Boot Code (MFW): 8.65.5.0
- UEFI: 4.1.13.1
- PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/SPP to update the

firmware on the supported adapters.

Prerequisites

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

Enhancements

This product enhanced the compatibility with drivers.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic NX2 Online Firmware Upgrade Utility for VMware

Version: 1.35.0 **(Recommended)**

Filename: CP061753.compsig; CP061753.zip

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2024.09.00 or later, for use with this firmware.

This software package contains combo image v7.19.27 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
HPE Ethernet 10Gb 2-port 530SFP+ Adapter HPE Ethernet 10Gb 2-port 530T Adapter	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
HPE Ethernet 10Gb 2-port 533FLR-T Adapter HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter HPE FlexFabric 10Gb 4-port 536FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

Prerequisites

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

Enhancements

This product enhanced the compatibility with drivers.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 533FLR-T Adapter
- HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
- HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

Intel Firmware Package For E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

Version: 4.50 **(Recommended)**

Filename: HPE_E810_2CQDA2_O_SEC_4p50_PLDMoMCTP_8001D8B4.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 ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 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 addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

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: 4.50 (**Recommended**)

Filename: HPE_E810_CQDA2_4p50_PLDMoMCTP_8001D8B6.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 ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 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 addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

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: 4.50 (**Recommended**)

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 ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 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 addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

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: 4.50 (**Recommended**)

Filename: HPE_E810_XXVDA2_SD_4p50_PLDMoMCTP_8001D8BA.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 ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 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 addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

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: 4.50 (**Recommended**)

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 ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 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 addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

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: 4.50 (**Recommended**)

Filename: HPE_E810_XXVDA4_FH_4p50_PLDMoMCTP_8001D8B5.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 ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 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 addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.
- This product addressed an issue where data is interchanged of Port 1 and Port 4 when running a Redfish GET Operation under the NetworkAdapter, NetworkDeviceFunctions and Port Schema with "Metrics" properties.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

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: 4.50 (B) **(Recommended)**
Filename: HPE_E810_XXV4_OCP_4p50_NCSIwPLDMoMCTP_8001D8B8.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 ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 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 addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.
- This product addressed an issue where data is interchanged of Port 1 and Port 4 when running a Redfish GET Operation under the NetworkAdapter, NetworkDeviceFunctions and Port Schema with "Metrics" properties.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for VMware
Version: 3.24.0 **(Recommended)**
Filename: CP061688.compsig; CP061688.zip

Important Note!

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

NIC	EEPROM/NVM Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000F134	1.3602.0	9.50
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000F13D	1.3602.0	9.50
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	800011F8	1.3602.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3602.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3602.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3602.0	N/A

The combo image v1.3602.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.52, 10GbE - v8.2.46, 40GbE - v5.0.04

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

Prerequisites

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

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

This package supports the following network adapters:

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

Marvell FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.14 (**Recommended**)

Filename: ql_ah_mbi_open_8.65.14_pldm.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,

- Marvell FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.15.0 or later
- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.74.4.0-8 or later
- HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2024.09.00 or later

Enhancements

This product enhanced the compatibility with drivers.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCU OCP3 Adapter
- HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter
- HPE Ethernet 10Gb 2-port SFP+ QL41132HQCU OCP3 Adapter
- HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter

Marvell FastLinQ Online Firmware Upgrade Utility for VMware

Version: 8.55.12 (**Recommended**)

Filename: CP058235.compsig; CP058235.zip

Important Note!

This software package contains combo image v8.55.12. This combo image includes:

- PXE: 2.0.19
- Boot Code (MFW): 8.55.22.0
- UEFI: 6.1.8.2

Prerequisites

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

Fixes

- This product contains support PLDM firmware upgrade base improvements.
- This product addresses an overheat issue on the network adapters as below,

HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter

Enhancements

This product now supported NPAR enabling option.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCUC OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter
- HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ QL41132HQCUC OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter

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

Version: 26.41.1000 (**Recommended**)

Filename: 26_41_1000-MCX631102AS-ADA_Ax.pldm.fwpkg

Important Note!

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26411000/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 26.41.1000:

- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

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

New features and changes included in version 26.41.1000:

- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet I4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

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

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26411000/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 26.41.1000:

- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

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

New features and changes included in version 26.41.1000:

- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet I4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

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

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx5firmwarev16353502/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

No fixes are included in version 16.35.3502.

Enhancements

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

New features and changes included in version 16.35.3502:

- o Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

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

Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21

Version: 16.35.4030 (**Recommended**)

Filename: 16_35_4030-MCX515A-CCA_HPE_Ax.pldm.fwpkg

Important Note!

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

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

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

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx5firmwarev16354030/known+issues>

Prerequisites

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

or higher.

Fixes

The following issues have been fixed in version 16.35.4030:

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

Enhancements

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

New features and changes included in version 16.35.4030:

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

Supported Devices and Features

This software package contains the following firmware versions:

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

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter : HPE part numbers P23664-B21 and P23664-H21

Version: 20.41.1000 (**Recommended**)

Filename: 20_41_1000-MCX653105A-HDA_HPE_Ax.pldm.fwpkg

Important Note!

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

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

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

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20411000/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

No fixes are included in version 20.41.1000.

Enhancements

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

New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter (P23664-B21 and P23664-H21)	20.41.1000	MT_0000000451

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter : HPE part numbers P31323-B21 and P31323-H21

Version: 20.41.1000 **(Recommended)**

Filename: 20_41_1000-MCX653435A-HDA_HPE_Ax.pldm.fwpkg

Important Note!

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

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

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

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20411000/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

No fixes are included in version 20.41.1000.

Enhancements

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

New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter (P31323-B21 and P31323-H21)	20.41.1000	MT_0000000592

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter : HPE part numbers P31324-B21 and P31324-H21

Version: 20.41.1000 (**Recommended**)

Filename: 20_41_1000-MCX653106A-HDA_HPE_Ax.pldm.fwpkg

Important Note!

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

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

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

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

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

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

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20411000/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

No fixes are included in version 20.41.1000.

Enhancements

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

New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter(P31324-B21 and P31324-H21)	20.41.1000	MT_0000000594

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter : HPE part numbers P31348-B21 and P31348-H21
Version: 20.41.1000 (**Recommended**)
Filename: 20_41_1000-MCX653436A-HDA_HPE_Ax.pldm.fwpkg

Important Note!

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

- HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
- 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/connectx6firmwarev20411000/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

No fixes are included in version 20.41.1000.

Enhancements

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

New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter (P31348-B21 and P31348-H21)	20.41.1000	MT_0000000593

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter :
HPE part numbers P23665-B21 and P23665-H21
Version: 20.41.1000 **(Recommended)**
Filename: 20_41_1000-MCX653105A-ECA_HPE_Ax.pldm.fwpkg

Important Note!

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

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

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

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20411000/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

No fixes are included in version 20.41.1000.

Enhancements

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

New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter (P23665-B21 and P23665-H21)	20.41.1000	MT_0000000452

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21

Version: 20.41.1000 (**Recommended**)

Filename: 20_41_1000-MCX653106A-ECA_HPE_Ax.pldm.fwpkg

Important Note!

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

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

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

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

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

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

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20411000/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

No fixes are included in version 20.41.1000.

Enhancements

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

New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21)	20.41.1000	MT_0000000453

Mellanox Firmware Package (FWPKG) for Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
Version: 22.41.1000 **(Recommended)**
Filename: 22_41_1000-MCX623105AS-VDA_Ax.pldm.fwpkg

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6dxfirmwarev22411000/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 22.41.1000:

- GTP length field was automatically modified at the TX side when an incorrect or invalid length was detected.
- Switch port would go down due to MC packets mirrored back to the switch when in promiscuous mode.
- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

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

New features and changes included in version 22.41.1000:

- The new unified_fdb subdomain simplifies the FDB model by eliminating the need to duplicate rules for RX and TX tables. This domain is directionless, meaning no RX/TX specific actions are allowed. Firmware now handles packet transitions IN and OUT of the unified domain, allowing for a more streamlined packet flow management. Software can now transition between unified_fdb and FDB_RX/FDB_TX domains as long as the packet maintains the same direction, without the risk of dropping the packet when crossing between RX and TX.
- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added the ability to generate up to 2^{30} STE objects through the general object creation command.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet I4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

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

Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE

Version: 22.41.1000 (**Recommended**)

Filename: 22_41_1000-MCX623106AS-CDA_Ax.pldm.fwpkg

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx6dxfirmwarev22411000/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 22.41.1000:

- GTP length field was automatically modified at the TX side when an incorrect or invalid length was detected.
- Switch port would go down due to MC packets mirrored back to the switch when in promiscuous mode.
- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDMA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

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

New features and changes included in version 22.41.1000:

- The new unified_fdb subdomain simplifies the FDB model by eliminating the need to duplicate rules for RX and TX tables. This domain is directionless, meaning no RX/TX specific actions are allowed. Firmware now handles packet transitions IN and OUT of the unified domain, allowing for a more streamlined packet flow management. Software can now transition between unified_fdb and FDB_RX/FDB_TX domains as long as the packet maintains the same direction, without the risk of dropping the packet when crossing between RX and TX.
- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDMA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDMA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added the ability to generate up to 2^{30} STE objects through the general object creation command.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet I4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

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

Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter

Version: 16.35.3502 (**Recommended**)

Filename: 16_35_3502-MCX512F-ACH_Ax_Bx.pldm.fwpkg

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx5firmwarev16353502/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

No fixes are included in version 16.35.3502.

Enhancements

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

New features and changes included in version 16.35.3502:

- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

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

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Ethernet 10Gb 2-port 548SFP+ Adapter

Version: 1.0.3 (A) **(Recommended)**

Filename: CP053228.compsig; CP053228.zip

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx firmware version 14.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

The following changes have been made in sub-version 1.0.3(A):

- Product rebuilt to have the new SHA 384 signature.

The following issues have been fixed in version 14.32.1010:

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

Enhancements

Firmware for the following device has been updated to 14.32.1010:

- P11338-B21 (HPE Ethernet 10Gb 2-port 548SFP+ Adapter)

New features and changes included in version 14.32.1010:

- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it:PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.

- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HPE0000000038

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.8 (**Recommended**)

Filename: CP061399.compsig; CP061399.zip

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

The following issues have been fixed in firmware version 14.32.1010:

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

No fixes are included in firmware version 16.35.3502.

Enhancements

Firmware for the following devices has been updated to 14.32.1010:

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device has been updated to 16.35.3502:

- 874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes included in firmware version 14.32.1010:

- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it: PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.

New features and changes included in firmware version 16.35.3502:

- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE000000014

Online Firmware Upgrade Utility (ESXi 7.0) for Mellanox Open Ethernet cards

Version: 1.0.8 **(Recommended)**

Filename: CP061401.compsig; CP061401.zip

Important Note!

On Adapter Firmware rewrite scenario, SUM will always discover the Mellanox Open adapter firmware smart component as applicable and select it for deployment If the server iLO5 firmware version is older than 2.30.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

The following issues have been fixed in firmware version 14.32.1010:

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

No fixes are included in firmware version 16.35.3502.

Enhancements

Firmware for the following devices has been updated to 14.32.1010:

- P21930-B21 (HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCAT Adapter)
- P11341-B21 (HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter)

Firmware for the following device has been updated to 16.35.3502:

- P21927-B21 (HPE Ethernet 100Gb 2-Port QSFP28 MCX516A-CCHT Adapter)

New features and changes included in firmware version 14.32.1010:

- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it:PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.

New features and changes included in firmware version 16.35.3502:

- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P21930-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter	MT_0000000414
P11341-B21	HPE Ethernet 10Gb/25Gb 2-port SFP28 MCX4621A-ACAB OCP3 Adapter	MT_0000000238
P21927-B21	HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter	MT_0000000417

Firmware - Storage Controller

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Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (**Recommended**)
Filename: CP060618.compsig; CP060618.zip

Fixes

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

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (**Recommended**)
Filename: CP060617.compsig; CP060617.zip

Fixes

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

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (**Recommended**)
Filename: CP060616.compsig; CP060616.zip

Fixes

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

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (**Recommended**)
Filename: CP060615.compsig; CP060615.zip

Fixes

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

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers
Version: 7.11 (**Recommended**)
Filename: HPE_SR_Gen10_7.11_A.fwpkg

Fixes

- Fixed an issue where the host experienced BSOD while clearing the controller configuration.
- Fixed controller lockups caused by incorrect address reads and partial RAM initialization for PCIe functions, leading to ECC errors.
- Fixed issues with external storage.
- Fixed issues with the SATA drive.
- Fixed issues with the SED drive.
- Fixed issues with the spare drive.
- Corrected MCTP-related issues.
- Fixed surface scan issues on the RAID 50.
- Fixed issues encountered during heavy I/O operations.
- Fixed volume issues on the failed drive.
- Fixed issues for incorrect Severity reported in Redfish events.
- Fixed issues for incorrect Status reported in Redfish resources.

- Fixed an issue with improper capacity information in Redfish drive Name.
- Fixed an issue where Redfish long running task status is not reported.
- Fixed an issue where DurableNameFormat for RAID volumes are reported as UUID in RDE READ operations, but should be NAA.
- Fixed an issue where failed to take ownership of, or to revert, a SED through Redfish.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved random write and mixed read-write performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
 - Storage.SetEncryptionKey
- Added support for Redfish property PATCH:
 - Storage.EncryptionMode
 - Storage.HotspareActivationPolicy
 - Drive.HotspareReplacementMode
 - Drive.HotspareType
 - Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
 - Drive
 - Port
 - StorageController
 - StorageController.CacheSummary
 - Volume
- Added support for Redfish properties:
 - Drive.DriveFormFactor
 - Drive.FirmwareVersion
 - Drive.Manufacture (SAS only)
 - Drive.SlotCapableProtocols
 - StorageController.AssetId
 - StorageController.Links.PCIeFunction
 - Volume.BlockSizeBytes
 - Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r

Version: 1.2.14.1013 **(Recommended)**

Filename: HPE_NS204i_Gen10P_Gen11_1.2.14.1013_A.fwpkg

Important Note!

Current firmware has to be 1.0.14.1063 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.0.14.1063 in below link:

- Windows: <https://www.hpe.com/global/swpublishing/MTX-be195b2891724ec8bb72c8bb2>
- Linux: <https://www.hpe.com/global/swpublishing/MTX-269e14d0e2524277bf699f433>
- Vmware: <https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6>

Prerequisites

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

Fixes

- Fixed an issue that iLO reports NS204i PLDM firmware update failure, but the firmware update is actually successful and will be activated in next reboot
- Fixed an issue that the M.2 attached are listed in iLO Device Inventory
- Corrected the drive state of performing Storage.ResetToDefaults with ResetAll type
- Allowed empty JSON payload for SecureErase and corrected the returned status when the previous one is either in process or completed.

Enhancements

- Add @Redfish.AllowableValues, @Redfish.AllowablePattern, @Redfish.AllowableNumbers and @Redfish.WritableProperties

for Redfish Annotations

- Add StorageController.Links, Drive.SlotCapableProtocols and Storage.AutoVolumeCreate for Redfish GET
- Add StorageController.ControllerRates and Volume.DisplayName for Redfish PATCH

Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller
Version: 52.26.3-5487 **(Recommended)**
Filename: HPE_MR216i-a_Gen10P_52.26.3-5487_A.fwpkg

Important Note!

- **This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.**

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

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

Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller
Version: 52.26.3-5487 **(Recommended)**
Filename: HPE_MR216i-p_Gen10P_52.26.3-5487_A.fwpkg

Important Note!

- **This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.**

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

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

Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller
Version: 52.26.3-5487 **(Recommended)**
Filename: HPE_MR416i-a_Gen10P_52.26.3-5487_A.fwpkg

Important Note!

- **This firmware version to be used on HPE MR416i-a Gen10 Plus Controller.**

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

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

Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller
Version: 52.26.3-5487 **(Recommended)**
Filename: HPE_MR416i-p_Gen10P_52.26.3-5487_A.fwpkg

Important Note!

- **This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.**

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

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

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers

Version: 03.01.30.106 (**Recommended**)

Filename: HPE_SR416_SR932_Gen10P_Gen11_03.01.30.106_A.fwpkg

Fixes

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

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved RAID 1/10 write sequential performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
 - Storage.SetEncryptionKey
- Added support for Redfish property PATCH:
 - Storage.EncryptionMode
 - Storage.HotspareActivationPolicy
 - Drive.HostspareReplacementMode
 - Drive.HotspareType
 - Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
 - Drive
 - Port
 - StorageController
 - StorageController.CacheSummary
 - Volume
- Added support for Redfish properties:
 - Drive.DriveFormFactor
 - Drive.FirmwareVersion
 - Drive.Manufacture (SAS only)
 - Drive.SlotCapableProtocols
 - StorageController.AssetId
 - StorageController.Links.PCIeFunction
 - Volume.BlockSizeBytes
 - Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Online Firmware Flash for ESXi - HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r
Version: 1.0.14.1063 (**Recommended**)
Filename: CP056151.compsig; CP056151.zip

Important Note!

- VMware **7.0u1 is** supported by HPE NS204i-p, NS204i-d, NS204i-t and NS204i-r Gen10+ Boot Controller
- **VMware 7.0 is NOT supported by HPE NS204i-p, NS204i-d, NS204i-t and NS204i-r Gen10+ Boot Controller**
- **This version is the minimum required version for Gen10 Plus device to upgrade to latest FW**
- **You can get Firmware Package version 1.2.14.1004 or latest FW version from <https://www.hpe.com/global/swpublishing/MTX-318c8e8298704d8bb4f991eb4d> and update it via iLO without any OS dependency.**

Fixes

Fix known issue on v1055 regarding RDE dictionary broken which will cause unexpected FW upgrading error.

Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers
Version: 5.15 (B) (**Recommended**)
Filename: CP057012.compsig; CP057012.zip

Important Note!

- **Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.**

Enhancements

- Support HPE ProLiant DL180 Gen10 Server

Online ROM Flash Component for VMware ESXi - HPE Apollo 2000 Gen10 Plus Backplane Expander FW
Version: 1.27 (B) (**Recommended**)
Filename: CP052251.compsig; CP052251.zip

Enhancements

- Update build environment with SHA384
- Update OS

Online ROM Flash Component for VMware ESXi - HPE Apollo 4200 Gen10 Plus Backplane Expander Firmware
Version: 0.39 (C) (**Recommended**)
Filename: CP052260.compsig; CP052260.zip

Prerequisites

- Before upgrading to 0.39(C), please flash to the transition version 0.39 first by standalone update approach to activate the new PID naming.
- 0.39(B) is the minimum version for Gen10plus 4200 expander FW.
- **0.39 transition version link:** <https://www.hpe.com/global/swpublishing/MTX-baec686eb389427aa933bbf9f0>

Enhancements

- Update build environment with SHA384
- Update OS

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

Enhancements

Support Gen10, Gen10 Plus and Gen11 servers

Fixes

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

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved random write and mixed read-write performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
 - Storage.SetEncryptionKey
- Added support for Redfish property PATCH:
 - Storage.EncryptionMode
 - Storage.HotspareActivationPolicy
 - Drive.HotspareReplacementMode
 - Drive.HotspareType
 - Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
 - Drive
 - Port
 - StorageController
 - StorageController.CacheSummary
 - Volume
- Added support for Redfish properties:
 - Drive.DriveFormFactor
 - Drive.FirmwareVersion
 - Drive.Manufacture (SAS only)
 - Drive.SlotCapableProtocols
 - StorageController.AssetId
 - StorageController.Links.PCIeFunction
 - Volume.BlockSizeBytes
 - Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Firmware - Storage Fibre Channel

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2024.09.01 (**Recommended**)

Filename: CP059671.compsig; CP059671.zip

Important Note!

Release notes:

[Broadcom Release notes](#)

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Prerequisites

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 SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

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

16Gb FC Adapter:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter

32Gb FC Adapter:

- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus 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

Important Note!

Release Notes:

[HPE QLogic Adapters Release Notes](#)

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0

Prerequisites

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

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

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.10.00	09.15.00	7.36	0.0

Supported Devices and Features

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

16Gb Fibre Channel Host Bus Adapter:

- o HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- o HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

32Gb Fibre Channel Host Bus Adapter:

- o HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

64Gb Fibre Channel Host Bus Adapter:

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

Version: 2024.03.01 **(Recommended)**
Filename: cp059815.compsig; cp059815.zip

Fixes

Agentless Management Service

- Fixed OID name hrSystemUptime is reported incorrectly

HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0
Version: 2024.09.01 **(Recommended)**
Filename: cp062084.compsig; cp062084.zip

Enhancements

This product carries SBOM signatures.

HPE iLO Driver Bundle Smart Component for ESXi 7.0 and ESXi 8.0
Version: 2024.09.00 **(Recommended)**
Filename: cp062952.compsig; cp062952.zip

Enhancements

Revise the product name to support ESXi 8.0.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers
Version: 2024.10.01 **(Recommended)**
Filename: cp059214.compsig; cp059214.zip

Important Note!

Actual ESXi Version is 6.40.6.0

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

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

Software - Storage Controller

HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)
Version: 2023.12.01 **(Recommended)**
Filename: cp057488.compsig; cp057488.zip

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Enhancements

- Support autoconfig command.

storcli /cx set autoconfig = < none | JBOD >

- Added a new option [ReuseTargetId] to add vd command. If "ReuseTargetId" is mentioned in the add vd command, the FW will allow reusing of TargetIDs without 120 seconds delay.
- Added support for UBM7 backplanes.
- Support new HPE ProLiant DL145 Gen11 server.

Software - Storage Fibre Channel

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HPE QLogic Fibre Channel driver component for VMware vSphere 7.0
Version: 2024.09.01 (**Recommended**)
Filename: cp059843.compsig; cp059843.zip

Important Note!

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 5.3.83.1

Supported Devices and Features

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

16Gb Fibre Channel Host Bus Adapter:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

32Gb Fibre Channel Host Bus Adapter:

- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port 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

HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0
Version: 2024.09.01 (**Recommended**)
Filename: cp059675.compsig; cp059675.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com 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

Updated to Driver version 14.2.673.36

Supported Devices and Features

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

16Gb FC Adapter:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter

32Gb FC Adapter:

- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus 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
-

Software - System Management

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HPE Agentless Management Bundle for ESXi for HPE Gen10 and Gen10 Plus Servers

Version: 701.11.10.0 (**Recommended**)

Filename: amsdComponent_701.11.10.0.4-1_23433471.zip

Fixes

Agentless Management Service

- Fixed OID name hrSystemUptime is reported incorrectly
-

HPE Fiber Channel and Storage Enablement Component for ESXi 7.0

Version: 3.9.0 (**Recommended**)

Filename: fc-enablement-component_700.3.9.0.4-1_20266032.zip

Enhancements

- Supports VMware ESXi 7.0 U2 and ESXi 7.0 U3
-

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