

SPP HPE Custom Image vibdepot mapping for Gen9 and later

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:

- [VMware OS Support Tool for HPE Synergy](#)

Information on HPE Synergy Software Releases is available at:

- [HPE Synergy Software Releases - Overview](#)

HPE Custom Image to SPP Mapping

Use the following links to view the table that maps the HPE Custom Images for the OS release to the vibdepot directory and the matching SPP release for Gen9 and later servers. The vibdepot directory contains all the drivers and software added to the referenced HPE Custom Image, or the drivers and software for a hot-fix for the referenced HPE Custom Image as described in the footnotes. The SPP contains the drivers included in the referenced HPE Custom Image and the matching FW components. Starting with the 2018.03.0 SPP, the HPE value-add software included in the referenced HPE Custom Image is also included in the SPP.

The HPE Custom Image and HPE Add-on are available at <http://www.hpe.com/info/esxideownload>.

Use the SPP link in the table to view detailed information on where to obtain the appropriate firmware, drivers and software for the supported OS releases and server generations for the SPP release. SPP documentation and downloads for all the SPP releases can be found at <http://www.hpe.com/servers/spp/download>. The SPP Component Release Notes contain a detailed list of all the firmware and driver components included in the SPP.

The tables map the HPE Custom Image to the SPP that matches the content of that HPE Custom Image. For information on how to update to a newer SPPs, see section [Updating to Newer SPPs](#) below.

[VMware vSphere 7.0 U2](#)

[VMware vSphere 7.0 U1](#)

[VMware vSphere 7.0](#)

[VMware vSphere 6.7 U3](#)

[VMware vSphere 6.7 U2](#)

[VMware vSphere 6.7 U1](#)

[VMware vSphere 6.7](#)

[VMware vSphere 6.5 U3](#)

[VMware vSphere 6.5 U2](#)

[VMware vSphere 6.5 U1](#)

[VMware vSphere 6.5](#)

SPP and HPE Software and Driver Mapping

Use the following links to view detailed information on where to obtain the appropriate firmware, drivers and software for the supported OS releases and server generations for the SPP release. Starting with the 2018.03.0 SPP, the HPE value-add software included in the HPE Custom Image is also included in the SPP.

The tables map the HPE Custom Image to the SPP that matches the content of that HPE Custom Image. For information on how to update to a newer SPPs, see section [Updating to Newer SPPs](#) below.

[2021.04.0](#)

[VUP 1.4.2](#)

[VUP1.4.1](#)

[VUP 1.3](#)

[VUP 1.2A](#)

[VUP 1.2](#)

[2020.09.0](#)

[VUP 1.1A](#)

[VUP 1.0](#)

[2020.03.2](#)

[2019.12.2](#)

[2019.09.1](#)

[2019.03.2](#)

[2019.03.0](#)

[2018.11.1](#)

[2018.09.1](#)

[2018.06.1](#)

[2018.03.0](#)

[2017.10.1](#)

[2017.07.2](#)

[2017.04.0](#)

[2016.10.0](#)

Updating to newer SPPs

The table in the Important Notes section in the VMware Software Recipe documents available on <https://vibsdepot.hpe.com> lists all previously released HPE Custom Images that can be updated using the referenced SPP and vibsdepot directories. For example, the entry below from the May 2018 VMware Software Recipe for the Service Pack for ProLiant (SPP) Version 2018.03.0 indicates that the HPE Custom Image for VMware vSphere 6.0 Update 2 (09 December 2016) can use the feb2018 vibsdepot directory to update the drivers and software to match the FW in the 2018.03.0 SPP.

OS Version	HPE Custom Image	HPE Custom Image Identifier	Driver Updates	Software Updates
vSphere 6.0 Update 2	HPE Custom Image for VMware vSphere 6.0 Update 2 (09 December 2016)	hpe-build-600.9.6.5.7-2494585	<p>Driver Updates are required</p> <p>Required drivers are available from: VUM online updates at: http://vibsdepot.hpe.com/hpe/feb2018/index-drv.xml</p> <p>Offline bundles updated at: http://vibsdepot.hpe.com/hpe/feb2018/esxi-600-devicedrivers</p> <p>(SPP) 2018.03.0 at: www.hpe.com/servers/spp/download</p> <p>Note: Both required driver and software updates are available from VUM online updates at: http://vibsdepot.hpe.com/hpe/feb2018/index.xml</p>	<p>Software updates are required</p> <p>Required software is available from: VUM online updates at: http://vibsdepot.hpe.com/hpe/feb2018/index.xml</p> <p>Offline bundle updates at: http://vibsdepot.hpe.com/hpe/feb2018/esxi-600-bundles</p> <p>Note: Both required driver and software updates are available from VUM online updates at: http://vibsdepot.hpe.com/hpe/feb2018/index.xml</p>

VMware vSphere 7.0 U2

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-in, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, is available at: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory/HPE ESXi Add-on	SPP	Comments
HPE Custom Image for VMware vSphere 7.0 U2 (May 2021) ^{5,6,13,19,20}	oem-build-702.0.0.10.7.0	http://vibsdepot.hpe.com/hpe/may2021 ³ HPE ESXi 7.0 U2 Add-on (702.0.0.10.7.0) ^{4,10}	2021.04.0 VUP 1.4.2 ¹²	Server/option updates
HPE Custom Image for VMware vSphere 7.0 U2 (Mar 2021) ^{5,6,13,18}	oem-build-702.0.0.10.6.3	http://vibsdepot.hpe.com/hpe/mar2021 ³ HPE ESXi 7.0 U2 Add-on (702.0.0.10.6.3) ^{4,10}	2020.09.0 ^{8,11} VUP 1.3 ¹²	Server/option updates

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use the HPE ESXi 7.0 U2 Add-on, which contains all the HPE Online Depot content for ESXi 7.0 U2.

⁵ This image includes the Integrated Smart Update Tools for VMware ESXi.

⁶ This image includes the hpe-upgrade-component to enable update from HPE Custom Images for VMware vSphere 6.X to ESXi 7.0 U2.

⁸ 2020.09.0 only supports online update with ESXi 7.0 and update releases on Gen10 and newer servers.

¹⁰ This Add-on only supports ESXi 7.0 U2 and can only be used in vLCM with the VMware 7.0 U2 Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 or 7.0 U1 Base Images to define the desired image.

¹¹ 2020.09.0 does not support use with vLCM and HSM.

¹² VUP 1.3 and VUP 1.4.2 only support use with vLCM and HSM with ESXi 7.0 U2 and only support online update with ESXi 7.0 U2 on Gen10 and newer servers.

¹³ This image contains drivers that support both open and optimized options and are supported with both open and optimized firmware in the SPP and VUP.

¹⁸ This image contains different software and drivers than what is included in the 2020.09.0 SPP. The newer software and drivers are listed below and are available in the vibsdepot directory listed above, as well as VUP 1.3.

Name	SPP Version	Image/Add-on Version
amsd, amshelpr	Bundle 3.6.0 VIBs: 11.6.0	Bundle 3.6.10 VIBs: 11.6.10
hpeesacli	hpeesacli 4.20.9.0	hpeesacli 4.21.7.0
qedentv	qedf 2.2.4.0 qedrntv 3.40.9.1 qedentv 3.40.9.0 qedi 2.19.5.0	qedf 2.2.8.0 qedrntv 3.40.18.0 qedentv 3.40.19.0 qedi 2.19.9.0
lpfc	lpfc 12.6.228.4	VMware in-box lpfc 12.8.298.3
hpe-vnic-enablement	N/A	1.00
isut	2.7.0	2.7.1
MRVL-QLogic-FC	qlnativefc 4.1.9.0	VMware in-box qlnativefc 4.1.14.0
Intel-igbn	igbn 1.4.11.0	VMware in-box igbn 1.4.11.2

¹⁹ Includes VMware vSphere 7.0 U2a (Express Patch 01). For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/7.0/rn/vsphere-esxi-70u2a.html>

²⁰ This image contains different driver and software versions than what is included in the 2021.04.0 SPP. The different driver and software versions are available in the vibsdepot directory listed above, as well as VUP 1.4.2.

Driver/SW Name	SPP Driver/SW Version	Image Driver/SW Version
lpfc	12.8.329.0	12.8.329.1
HPE-Utility-Component	10.7.0	10.5.0

VMware vSphere 7.0 U1

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-in, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, is available at: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory/HPE ESXi Add-on	SPP	Comments
HPE Custom Image for VMware vSphere 7.0 U1 (May 2021) ^{5,6,13,19}	oem-build-701.0.0.10.7.0	http://vibsdepot.hpe.com/hpe/may2021 ^{3,21} HPE ESXi 7.0 U1 Add-on (701.0.0.10.7.0) ^{4,10}	2021.04.0 ²⁰ VUP 1.4.1 ¹²	Server/option updates
HPE Custom Image for VMware vSphere 7.0 U1 (Jan 2021) ^{5,6,13,15,16, 14,18}	oem-build-701.0.0.10.6.3	http://vibsdepot.hpe.com/hpe/jan2021 ³ HPE ESXi 7.0 U1 Add-on (701.0.0.10.6.3) ^{4,10}	2020.09.0 ^{8,11,17} VUP 1.2A ¹²	Server/option updates
HPE Custom Image for VMware vSphere 7.0 U1 (Oct 2020) ^{5,6,13,14}	oem-build-701.0.0.10.6.0	http://vibsdepot.hpe.com/hpe/oct2020 ³ HPE ESXi 7.0 U1 Add-on (701.0.0.10.6.0) ^{4,10}	2020.09.0 ^{8,11} VUP 1.2 ¹²	Server/option updates
HPE Custom Image for VMware vSphere 7.0 U1 (Oct 2020) ^{5,6,13,14}	oem-build-701.0.0.10.6.0	http://vibsdepot.hpe.com/hpe/oct2020 ³ HPE ESXi 7.0 U1 Add-on (701.0.0.10.6.0) ^{4,10}	2020.03.2 ⁹	7.0 U1 GA release

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use the HPE ESXi 7.0 U1 Add-on, which contains all the HPE Online Depot content for ESXi 7.0 U1.

⁵ This image includes the Integrated Smart Update Tools for VMware ESXi.

⁶ This image includes the hpe-upgrade-component to enable update from HPE Custom Images for VMware vSphere 6.X to ESXi 7.0 U1.

⁸ 2020.09.0 only supports online update with ESXi 7.0 and update releases on Gen10 and newer servers.

⁹ 2020.03.2 is supported with the October 2020 HPE Custom Image for Gen9 servers only

- ¹⁰ This Add-on only supports ESXi 7.0 U1 and can only be used in vLCM with the VMware 7.0 U1 Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 Base Image to define the desired image.
- ¹¹ 2020.09.0 does not support use with vLCM and HSM.
- ¹² VUP 1.2 and VUP 1.2A and VUP 1.4.1 only support use with vLCM and HSM with ESXi 7.0 U1 and only support online update with ESXi 7.0 U1 on Gen10 and newer servers.
- ¹³ This image contains drivers that support both open and optimized options and are supported with both open and optimized firmware in the SPP and VUP.
- ¹⁴ This image contains different software and newer drivers than what is included in the 2020.09.0 SPP. The different software and newer drivers are listed below and are available in the Add-on and vibsdepot directories listed above.

Name	SPP Version	Image/Add-on Version
hpessacli	hpessacli 4.20.9.0	hpessacli 4.21.7.0
qedentv	qedf 2.2.4.0 qedrntv 3.40.9.1 qedentv 3.40.9.0 qedi 2.19.5.0	qedf 2.2.8.0 qedrntv 3.40.18.0 qedentv 3.40.19.0 qedi 2.19.9.0
lpfc	lpfc 12.6.228.4	VMware in-box lpfc 12.6.278.10
hpe-vnic-enablement	N/A	1.00
hpe-utility-component	conrep 10.6.0	conrep10.5.0

- ¹⁵ Includes VMware vSphere 7.0 U1c Patch. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/7.0/rn/vsphere-esxi-70u1c.html>
- ¹⁶ This image is not supported on HPE ProLiant Blades. For more information see https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00109978en_us
- ¹⁷ 2020.09.0 is supported with the January 2021 ESXi 7.0 U1 HPE Custom Image for Gen9 servers only.
- ¹⁸ This image contains newer software than what is included in the 2020.09.0 SPP. The newer software and drivers are listed below and are available in the vibsdepot directory listed above, as well as VUP 1.2A.

SW Name	SPP SW Version	Image SW Version
amsd, amshelpr	Bundle 3.6.0 VIBs: 11.6.0	Bundle 3.6.10 VIBs: 11.6.10

- ¹⁹ Includes VMware vSphere 7.0 U1d Patch. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/7.0/rn/vsphere-esxi-70u1d.html>
- ²⁰ This image contains different driver and software versions than what is included in the 2021.04.0 SPP. The different driver and software versions are available in the vibsdepot directory listed above, as well as VUP 1.4.1.

Driver/SW Name	SPP Driver/SW Version	Image Driver/SW Version
lpfc	12.8.329.0	12.8.329.1
HPE-Utility-Component	10.7.0	10.5.0

VMware vSphere 7.0

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-in, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, is available at: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory/HPE ESXi Add-on	SPP	Comments
HPE Custom Image for VMware vSphere 7.0 (Jun 2020) ^{5,6,7}	oem-build-700.0.0.10.5.5	http://vibsdepot.hpe.com/hpe/jun2020 ³ HPE ESXi 7.0 Add-on (700.0.0.10.5.5) ⁴	VUP 1.1A ⁸ 2020.03.2 ⁹	Update support Updated drivers Full Intel/Marvel adapter support
HPE Custom Image for VMware vSphere 7.0 (Apr 2020) ^{1,2,5}	oem-build-700.0.0.10.5.0	http://vibsdepot.hpe.com/hpe/apr2020 ³ HPE ESXi 7.0 Add-on (700.0.0.10.5.0) ⁴	2020.03.2 VUP 1.0 ¹⁰	7.0 GA release

¹ This image only supports Ethernet functionality for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers.

² This image is only supported for install, not update.

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use the HPE ESXi 7.0 Add-on, which contains all the HPE Online Depot content for ESXi 7.0.

⁵ This image includes the Integrated Smart Update Tools for VMware ESXi.

⁶ This image includes the hpe-upgrade-component to enable update from HPE Custom Images for VMware vSphere 6.X to ESXi 7.0.

⁷ Includes VMware vSphere 7.0 Patch 7.0b. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/7.0/rn/esxi70b.html>

⁸ VUP 1.1A is supported with the June HPE Custom Image for Gen10 and forward only

⁹ 2020.03.2 is supported with the June HPE Custom Image for Gen9 servers only

¹⁰ VUP 1.0 is superseded by VUP 1.1A

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.7 U3 (May 2021) ^{25,26,28, 33,34}	oem-build-670.0.0.10.7.0	http://vibsdepot.hpe.com/hpe/may2021	2021.04.0	Server/option updates
HPE Custom Image for VMware vSphere 6.7 U3 (Jan 2021) ^{25,26,28,29,30, 31,32}	oem-build-670.U3.10.6.3	http://vibsdepot.hpe.com/hpe/jan2021	2020.09.0	Server/option updates
HPE Custom Image for VMware vSphere 6.7 U3 (Oct 2020) ^{25,26,27,28,29}	oem-build-670.U3.10.6.0	http://vibsdepot.hpe.com/hpe/oct2020	2020.09.0	Server/option updates
HPE Custom Image for VMware vSphere 6.7 U3 (Mar 2020) ^{24,25,26}	oem-build-670.U3.10.5.5	http://vibsdepot.hpe.com/hpe/mar2020	2020.03.2	Server/option updates
HPE Custom Image for VMware vSphere 6.7 U3 (Dec 2019) ²⁴	oem-build-670.U3.10.5.0	http://vibsdepot.hpe.com/hpe/dec2019	2019.12.2	Server/option updates
HPE Custom Image for VMware vSphere 6.7 U3 (Aug 2019) ^{15,16,17,18,19,20,21,22}	oem-build-670.U3.10.4.5	http://vibsdepot.hpe.com/hpe/aug2019	2019.09.1 ²³ 2019.03.2	Server/option updates

¹⁵ This image contains the version of the HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.42 that is vSAN certified and fixes the issue described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00071157en_us This version of the driver has a hot-plug limitation, described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00078614en_us

¹⁶ This image contains the version of the HPE ProLiant Gen10 Smart Array Controller smartpqi driver version 1.0.3.2309 that is vSAN certified and fixes the issue described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00071158en_us

¹⁷ This image contains the version of the hpdsa driver, 5.5.0.68-1, that fixes a PSOD issue. For more information, see the HPE CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00073851en_us

¹⁸ This image contains a version of the bnxtnet driver, 214.0.195.0, that fixes a PSOD issue. For more information, see the HPE CA at: https://support.hpe.com/hpsc/doc/public/display?docLocale=en_US&docId=emr_na-a00044032en_us

¹⁹ This image contains the version of the HPE Agentless Management Service that fixes the issue described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00073323en_us

²⁰ This image contains newer drivers that require newer firmware than the drivers and firmware included in the 2019.03.2 and 2019.09.0 SPP. The newer drivers and firmware, their versions and the URLs for the firmware are listed below. The newer drivers are available from the vibsdepot directory above:

Driver Name	Driver Version	Firmware Version	Firmware URL
qedentv	3.11.7.0	4.10.15	https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_1173adaa1efd4875b8e9c522d1
qedrntv	3.11.7.0		
qedf	1.3.36.0		
qedi	2.10.15.0		
qfle3	1.0.86.0	1.25.11	https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_55d72ecfd98540b5b9aac0bcec
qfle3i	1.0.23.0		
qfle3f	1.0.68.0		
qcnic	1.0.26.0		

²¹ This image contains the version of the ixgben driver, 1.7.15, that fixes the issue described in the HPE CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00073436en_us

²² This HPE Custom Image contains support for the AMD 2nd Gen EPYC processor drop-in for Gen10 servers.

²³ This SPP contains a newer version of the HPE ProLiant Gen9 Smart Array Controller firmware, 7.00, that is not vSAN certified with the included HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.42. Use the vSAN certified version of firmware, 6.88, described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00071157en_us

²⁴ Includes VMware vSphere 6.7 Patch ESXi670-201912001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.7/rn/esxi670-201912001.html>

²⁵ This image contains the version of the qlnativefc driver, 3.1.31.0-1, that fixes the issue described in the HPE CA at: https://support.hpe.com/hpsc/public/docDisplay?docLocale=en_US&docId=a00097611en_us

²⁶ This image includes the Integrated Smart Update Tools for VMware ESXi.

²⁷ Includes VMware vSphere 6.7 Patch (Patch 03) ESXi670-202008001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.7/rn/esxi670-202008001.html>

²⁸ This image contains drivers that support both open and optimized options and are supported with both open and optimized firmware in the SPP and VUP.

²⁹ This image contains newer software and drivers than what is included in the 2020.09.0 SPP. The SPP contains separate driver components for HPE ProLiant Blades. The HPE ProLiant Blades SPP driver components contain the older drivers, listed below, and are supported with HPE ProLiant Blades. The non-blades SPP driver components contain the newer drivers, listed below, and match the drivers in the image. The newer drivers in the image are not supported with HPE ProLiant Blades. The newer software and drivers are available in the vibsdepot directory listed above.

SW Name	SPP SW Version	Image SW Version
hpessacli	4.21.6.0	4.21.7.0
Driver Name	SPP Driver Version for Blades	Image Driver Version
qfle3	1.0.87.0	1.1.6.0
qfle3f	1.0.75.0	1.1.6.0
qfle3i	1.0.25.0	1.1.2.0
qcnic	1.0.27.0	1.0.51.0
ixgben	1.7.20	1.8.7
lpfc	12.4.270.6	12.6.182.2
qlnativefc	3.1.31.0	3.1.36.0

³⁰ Includes VMware vSphere 6.7 Patch (P04) ESXi670-202011002. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.7/rn/esxi670-202011002.html>

³¹ This image is not supported on HPE ProLiant Blades. For more information see https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00109978en_us

³² This image contains newer software and drivers than what is included in the 2020.09.0 SPP. The newer software and drivers are listed below and are available in the vibsdepot directory listed above.

SW Name	SPP SW Version	Image SW Version
amsd, amshelpr	Bundle 3.6.0 VIBs: 11.6.0	Bundle 3.6.10 VIBs: 11.6.10
Driver Name	SPP Driver Version	Image Driver Version
nhpsa	2.0.44	67.0072.0.149
smartpqi	1.0.4.3008	67.4010.1.106

³³ Includes VMware vSphere 6.7 Patch 05 ESXi670-202103001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.7/rn/esxi670-202103001.html>

³⁴ This image contains a newer driver version than what is included in the 2021.04.0 SPP. The SPP contains separate driver components for HPE ProLiant Blades and Volume Servers, as listed below. The newer driver version in the image, listed below, is not supported with HPE ProLiant Blades, but is supported with the Volume servers. The newer driver is available in the vibsdepot directory listed above.

Driver Name	SPP Blade Driver Version	SPP Volume Driver Version	Image Driver Version
ixgben	1.7.20	1.8.7	1.9.11.0

VMware vSphere 6.7 U2

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.7 U2 (11 April 2019) ^{15,16}	oem-build-670.U2.10.4.1	http://vibsdepot.hpe.com/hpe/apr.11.2019	2019.03.0 ¹³ 2019.03.2	Server/option updates

¹³ SPP supports VMware vSphere online FW, driver and SW components for VMware vSphere 6.7 U2 for Gen 9 with April 2019 HPE Custom Image (version 670.U2.10.4.0), which includes the April 2019 HPE WBEM providers (version 03.15.00), or newer installed and running. See CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00050181en_us

¹⁵ Does not support VMware vSAN environments using the included HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.38.

¹⁶ Does not support VMware vSAN environments using the included HPE ProLiant Gen10 Smart Array Controller smartpqi driver version 1.0.3.2302.

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.7 U1 (2 April 2019) ^{12,14,15}	oem-build-670.U1.10.4.0	http://vibsdepot.hpe.com/hpe/apr2019	2019.03.0 ¹³ 2019.03.2	Server/option updates
NA	NA	http://vibsdepot.hpe.com/hpe/nov2018 ¹¹	NA	6.7 AMS HotFix
HPE Custom Image for VMware vSphere 6.7 U1 (16 October 2018)	oem-build-670.U1.10.3.5	http://vibsdepot.hpe.com/hpe/sep2018	2018.09.1 ⁸ 2018.11.1 ^{10 11}	Server/option updates

⁸ SPP does not contain any VMware vSphere online FW, driver or SW components for VMware vSphere 6.7 U1. FW update for servers running VMware vSphere 6.7 U1 must be done via offline FW update. Software and driver update for servers running VMware vSphere 6.7 U1 must be done using the HPE Custom Image or vibsdepot.

¹⁰ SPP only supports VMware vSphere online FW, driver and SW components for VMware vSphere 6.7 U1 for Gen10. FW update for servers running VMware vSphere 6.7 U1 on Gen9 must be done via offline FW update. Software and driver update for servers running VMware vSphere 6.7 U1 on Gen9 must be done using the HPE Custom Image or vibsdepot. See CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00050181en_us

¹¹ Includes AMS hot-fixes for reporting blank Active HPE Software versions for installed drivers displayed in SUM and AMS crash when processing a Link Down/Up Trap for a NIC port that has multiple IPV6 addresses. For details, refer to the customer advisories at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00059315en_us and https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00059794en_us respectively.

¹² Includes VMware vSphere 6.7 Express Patch 06. For more information, see VMware Release Notes at: <https://docs.vmware.com/en/VMware-vSphere/6.7/rn/esxi670-201901001.html>

¹³ SPP supports VMware vSphere online FW, driver and SW components for VMware vSphere 6.7 U1 for Gen 9 with April 2019 HPE Custom Image (version 670.U1.10.4.0), which includes the April 2019 HPE WBEM providers (version 03.15.00), or newer installed and running. See CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00050181en_us

¹⁴ Does not support VMware vSAN environments using the included HPE ProLiant Gen10 Smart Array Controller smartpqi driver version 1.0.3.2035.

¹⁵ Does not support VMware vSAN environments using the included HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.38.

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.7 (27 September 2018) ⁹	oem-build-670.10.3.5	http://vibsdepot.hpe.com/hpe/sep2018	2018.09.1 ⁸ 2018.11.1 ¹¹	Server/option updates
HPE Custom Image for VMware vSphere 6.7 (26 June 2018)	oem-build-670.10.3.0-7535516	http://vibsdepot.hpe.com/hpe/jun2018	2018.06.1 ⁸	Server/option updates
HPE Custom Image for VMware vSphere 6.7 (17 April 2018)	oem-build-670.10.2.0-7535516	http://vibsdepot.hpe.com/hpe/apr2018	2018.03.0 ⁸	Server/option updates

⁸ SPP does not contain any VMware vSphere online FW, driver or SW components for VMware vSphere 6.7. FW update for servers running VMware vSphere 6.7 must be done via offline FW update. Software and driver update for servers running VMware vSphere 6.7 must be done using the HPE Custom Image or vibsdepot.

⁹ Includes VMware vSphere 6.7 Patch ESXi670-201808001. For more information, see the VMware Knowledge Base at: <https://kb.vmware.com/s/article/56534>

¹¹ SPP only supports VMware vSphere online FW, driver or SW components for VMware vSphere 6.7 for Gen10. FW update for servers running VMware vSphere 6.7 on Gen9 must be done via offline FW update. Software and driver update for servers running VMware vSphere 6.7 on Gen9 must be done using the HPE Custom Image or vibsdepot. See CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00050181en_us

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.5 U3 (May 2021) ^{26,29, 34,35}	oem-build-650.0.0.10.7.0	http://vibsdepot.hpe.com/hpe/may2021	2021.04.0	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U3 (Jan 2021) ^{26,28,29,30,31,32,33,34}	oem-build-650.U3.10.6.3	http://vibsdepot.hpe.com/hpe/jan2021	2020.09.0	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U3 (Oct 2020) ^{25,26,27,28,29}	oem-build-650.U3.10.6.0	http://vibsdepot.hpe.com/hpe/oct2020	2020.09.0	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U3 (Mar 2020) ^{24,25, 26}	oem-build-650.U3.10.5.5	http://vibsdepot.hpe.com/hpe/mar2020	2020.03.2	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U3 (Dec 2019) ²³	oem-build-650.U3.10.5.0	http://vibsdepot.hpe.com/hpe/dec2019	2019.12.2	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U3 (29 Aug 2019) ^{13,15,16,17,18,19,20,21}	oem-build-650.U3.10.4.5	http://vibsdepot.hpe.com/hpe/aug.29.2019	2019.09.1 ²² 2019.03.2	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U3 (27 June 2019) ^{13,14,15,16}	oem-build-650.U3.10.4.1	http://vibsdepot.hpe.com/hpe/jun2019	2019.03.0 2019.03.2	Server/option updates

¹³ This image contains the version of the HPE ProLiant Gen10 Smart Array Controller smartpqi driver version 1.0.3.2309 that is vSAN certified and fixes the issue described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00071158en_us

¹⁴ Does not support VMware vSAN environments using the included HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.38.

¹⁵ This image contains the version of the hpsa driver, 5.5.0.68-1, that fixes a PSOD issue. For more information, see the HPE CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00073851en_us

¹⁶ This image contains the version of the bnxtnet driver, 214.0.190.0, that fixes a PSOD issue. For more information, see the HPE CA at: https://support.hpe.com/hpsc/doc/public/display?docLocale=en_US&docId=emr_na-a00044032en_us

- ¹⁷ This image contains the version of the HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.42 that is vSAN certified and fixes the issue described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00071157en_us. This version of the driver has a hot-plug limitation, described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00078614en_us
- ¹⁸ This image contains the version of the HPE Agentless Management Service that fixes the issue described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00073323en_us
- ¹⁹ This image contains newer drivers that require newer firmware than the drivers and firmware included in the 2019.03.2 and 2019.09.0 SPP. The newer drivers and firmware, their versions and the URLs for the firmware are listed below. The newer drivers are available from the vibsdepot directory above:

Driver Name	Driver Version	Firmware Version	Firmware URL
qedentv	3.11.7.0	4.10.15	https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_1173adaa1efd4875b8e9c522d1
qedrntv	3.11.7.0		
qedf	1.3.36.0		
scsi-qedil	1.15.10.0		
qfle3	1.0.86.0	1.25.11	https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_55d72ecfd98540b5b9aac0bcec
qfle3i	1.0.23.0		
qfle3f	1.0.68.0		
qcnic	1.0.26.0		

- ²⁰ Includes VMware vSphere 6.5 Patch 15 ESXi650-201908001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.5/rn/esxi650-201908001.html>
- ²¹ This HPE Custom Image contains support for the AMD 2nd Gen EPYC processor drop-in for Gen10 servers.
- ²² This SPP contains a newer version of the HPE ProLiant Gen9 Smart Array Controller firmware, 7.00, that is not vSAN certified with the included HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.42. Use the vSAN certified version of firmware, 6.88, described in the CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00071157en_us
- ²³ Includes VMware vSphere 6.5 Patch ESXi650-201911001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.5/rn/esxi650-201911001.html>
- ²⁴ Includes VMware vSphere 6.5 Patch ESXi670-201912002. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.5/rn/esxi650-201912002.html>
- ²⁵ This image contains the version of the qlnativefc driver, 2.1.96.0-1, that fixes the issue described in the HPE CA at: https://support.hpe.com/hpsc/public/docDisplay?docLocale=en_US&docId=a00097611en_us
- ²⁶ This image includes the Integrated Smart Update Tools for VMware ESXi.
- ²⁷ Includes VMware vSphere 6.5 Patch (EP 20) ESXi650-202006001. For more information, see VMware Release Note at: <https://docs.vmware.com/en/VMware-vSphere/6.5/rn/esxi650-202006001.html>
- ²⁸ This image contains newer software and drivers than what is included in the 2020.09.0 SPP. The SPP contains separate driver components for HPE ProLiant Blades. The HPE ProLiant Blades SPP driver components contain the older drivers, listed below, and are supported with HPE ProLiant Blades. The non-blades SPP driver components contain the newer drivers, listed below, and match the drivers in the image. The newer drivers in the image are not supported with HPE ProLiant Blades. The newer software and drivers are available in the vibsdepot directory listed above.

SW Name	SPP SW Version	Image SW Version
hpessacli	4.21.6.0	4.21.7.0
Driver Name	SPP Driver Version for Blades	Image Driver Version
qfle3	1.0.87.0	1.1.6.0
qfle3f	1.0.75.0	1.1.6.0
qfle3i	1.0.25.0	1.1.2.0
qcnic	1.0.27.0	1.0.51.0
ixgben	1.7.20	1.8.7
lpfc	12.4.270.6	12.6.182.2
qlnativefc	2.1.96.0	2.1.101.0

- ²⁹ This image contains drivers that support both open and optimized options and are supported with both open and optimized firmware in the SPP and VUP.

³⁰ Includes VMware vSphere 6.5 Patch (EP 22) ESXi650-202011001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.5/rn/esxi650-202011001.html>

³¹ This image is not supported on HPE ProLiant Blades. For more information see https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00109978en_us

³² This image contains the version of the qlnativefc driver, 2.1.101.0-1, that fixes the issue described in the HPE CA at https://support.hpe.com/hpsc/public/docDisplay?docLocale=en_US&docId=a00097611en_us

³³ This image contains newer software and drivers than what is included in the 2020.09.0 SPP. The newer software and drivers are listed below and are available in the vibsdepot directory listed above.

SW Name	SPP SW Version	Image SW Version
amsd, amshelpr	Bundle: 3.6.0 VIBs: 11.6.0	Bundle: 3.6.10 VIBs: 11.6.10
Driver Name	SPP Driver Version	Image Driver Version
nhpsa	2.0.44	65.0072.0.149
smartpqi	1.0.4.3008	65.4010.1.106

³⁴ Includes VMware vSphere 6.5 Patch 06 ESXi650-202102001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.5/rn/esxi650-202102001.html>

³⁵ This image contains a newer driver version than what is included in the 2021.04.0 SPP. The SPP contains separate driver components for HPE ProLiant Blades and Volume Servers, as listed below. The newer driver version in the image, listed below, is not supported with HPE ProLiant Blades, but is supported with the Volume servers. The newer driver is available in the vibsdepot directory listed above.

Driver Name	SPP Blade Driver Version	SPP Volume Driver Version	Image Driver Version
ixgben	1.7.20	1.8.7	1.9.11.0

VMware vSphere 6.5 U2

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.5 U2 (2 April 2019) ^{12,13,14}	oem-build-650.U2.10.4.0	http://vibsdepot.hpe.com/hpe/apr2019	2019.03.0 2019.03.2	Server/option updates
NA	NA	http://vibsdepot.hpe.com/hpe/nov2018 ¹¹	NA	6.5 AMS HotFix
HPE Custom Image for VMware vSphere 6.5 U2 (27 September 2018) ⁹	oem-build-650.U2.10.3.5	http://vibsdepot.hpe.com/hpe/sep2018	2018.09.1 ¹⁰ 2018.11.1 ¹¹	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U2 (26 June 2018)	oem-build-650.U2.10.3.0	http://vibsdepot.hpe.com/hpe/jun2018	2018.06.1	Server/option updates
HPE Custom Image for VMware vSphere 6.5 U2 (3 May 2018)	oem-build-650.U2.10.2.0	http://vibsdepot.hpe.com/hpe/may2018	2018.03.0	Server/option updates

⁹ Includes VMware vSphere 6.5 Patch ESXi650-201808001. For more information, see VMware KB at <https://kb.vmware.com/s/article/56544>

¹⁰ SPP includes support for online FW, SW and driver update for Gen10 and newer servers running VMware vSphere 6.5.

¹¹ Includes AMS hot-fixes for reporting blank Active HPE Software versions for installed drivers displayed in SUM and AMS crash when processing a Link Down/Up Trap for a NIC port that has multiple IPV6 addresses. For details, refer to the customer advisories at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00059315en_us and https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00059794en_us respectively.

¹² Includes VMware vSphere 6.5 Patch ESXi650-201811001. For more information, see VMware Release Note at <https://docs.vmware.com/en/VMware-vSphere/6.5/rn/esxi650-201811001.html>

¹³ Does not support VMware vSAN environments using the included HPE ProLiant Gen10 Smart Array Controller smartpqi driver version 1.0.3.2035.

¹⁴ Does not support VMware vSAN environments using the included HPE ProLiant Gen9 Smart Array Controller nhpsa driver version 2.0.38.

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.5 U1 (9 February 2018)	oem-build-650.U1.10.2.0-4240417	http://vibsdepot.hpe.com/hpe/feb2018	2018.03.0	Server/option updates VMware patches ⁷
HPE Custom Image for VMware vSphere 6.5 U1 (26 October 2017) ⁶	hpe-build-650.U1.10.1.5-4240417	http://vibsdepot.hpe.com/hpe/oct.26.2017 ⁶	2017.10.1	No pre-Gen9 support Net-bnx2x driver fix, nhpsa driver fix, vsan Express Patch 4.
HPE Custom Image for VMware vSphere 6.5 U1 (6 October 2017) ⁵	hpe-build-650.U1.10.1.3.3-4240417	http://vibsdepot.hpe.com/hpe/oct2017 ⁵	2017.07.2	First Gen10 support No pre-Gen9 support Server/option updates

⁵ Due to a recently discovered issue with the net-bnx2x driver version 2.713.30 in the latest NX2 package (drivers include bnx2, bnx2x, bnx2fc, bnx2i) that can cause the supported cards to become inoperable and unrecoverable, HPE has created a new October HPE Custom Image that includes the VMware in-box version of the net-bnx2x driver 1.78.80.v60.12 and a new vibsdepot directory <http://vibsdepot.hpe.com/hpe/oct2017>. This HPE Custom Image does not support any of the cards with this issue. A replacement driver, HPE Custom Image, vibsdepot directory and Customer Advisory are expected to be published soon. For details, refer to the customer advisory at: http://h20565.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-a00028272en_us

⁶ Includes the updated net-bnx2x driver version 2.713.30.v60.9. For details, refer to the customer advisory at: http://h20565.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-a00028272en_us

⁷ Includes VMware patches for Intel Bundled Microcode. For details, refer to the VMware KB at: <https://kb.vmware.com/s/article/52345>

HPE Custom Image	HPE Custom Image Identifier	vibsdepot directory	SPP	Comments
HPE Custom Image for VMware vSphere 6.5 (26 October 2017) ⁶	hpe-build-650.10.1.5-4240417	http://vibsdepot.hpe.com/hpe/oct.26.2017 ⁶	2017.10.1	No pre-Gen9 support Net-bnx2x driver fix, nhpsa driver fix.
HPE Custom Image for VMware vSphere 6.5 (6 October 2017) ⁵	hpe-build-650.10.1.3.5-4240417	http://vibsdepot.hpe.com/hpe/oct2017 ^{2 5}	2017.07.2	First Gen10 support No pre-Gen9 support Server/option updates
HPE Custom Image for VMware vSphere 6.5 (08 May 2017)	hpe-build-650.9.6.5.27	http://vibsdepot.hpe.com/hpe/may2017	2017.04.0 ⁴	6.5 Respin including VMware P01 Last pre-Gen9 support
NA	NA	http://vibsdepot.hpe.com/hpe/jan2017 ³	NA	6.5 OS Release hpilo driver HotFix
HPE Custom Image for VMware vSphere 6.5 (18 November 2016)	hpe-build-650.9.6.0.28	http://vibsdepot.hpe.com/hpe/nov2016	2016.10.0 ⁴	6.5 GA OS Release

² vibsdepot directory includes 6.5/6.0 HPE value add software components with the WBEM Providers HotFix.

³ vibsdepot directory only contains 6.5 HPE value add software components with the hpilo driver HotFix. Should be used with previous 6.5 release.

⁴ SPP does not contain any VMware vSphere online FW or SW components for VMware vSphere 6.5. FW update for servers running VMware vSphere 6.5 must be done via offline FW update. Software and driver update for servers running VMware vSphere 6.5 must be done using the HPE Custom Image or vibsdepot.

⁵ Due to a recently discovered issue with the net-bnx2x driver version 2.713.30 in the latest NX2 package (drivers include bnx2, bnx2x, bnx2fc, bnx2i) that can cause the supported cards to become inoperable and unrecoverable, HPE has created a new October HPE Custom Image that includes the VMware in-box version of the net-bnx2x driver 1.78.80.v60.12 and a new vibsdepot directory <http://vibsdepot.hpe.com/hpe/oct2017>. This HPE Custom Image does not support any of the cards with this issue. A replacement driver, HPE Custom Image, vibsdepot directory and Customer Advisory are expected to be published soon. For details, refer to the customer advisory at: http://h20565.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-a00028272en_us

⁶ Includes the updated net-bnx2x driver version 2.713.30.v60.9. For details, refer to the customer advisory at: http://h20565.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-a00028272en_us

SPP 2021.04.0

Not supported with VMware Life Cycle Manager (vLCM) and the HPE Hardware Support Manager (HSM), HPE vLCM Plug-in

No Gen9 or pre-Gen9 support

SPP documentation and downloads for the 2021.04.0 release can be found at

https://support.hpe.com/hpesc/public/swd/detail?swItemId=MTX_4b930b72f7e546549ca29d9f7e

VMware vSphere version	Firmware	Drivers / Software
7.0 U2	2021.04.0 Online or Offline update for Gen10 and forward ⁸	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U2 (May 2021) vibsdepot http://vibsdepot.hpe.com/hpe/may2021 ³ SPP 2021.04.0 Online update for Gen10 and forward HPE ESXi 7.0 U2 Add-on (702.0.0.10.7.0) ^{4,9}
7.0 U1	2021.04.0 Online or Offline update for Gen10 and forward ⁶	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U1 (May 2021) vibsdepot http://vibsdepot.hpe.com/hpe/may2021 ³ SPP 2021.04.0 Online update for Gen10 and forward HPE ESXi 7.0 U1 Add-on (702.0.0.10.7.0) ^{4,7}
6.7 U3	2021.04.0 SPP Online or Offline update for Gen10 and forward	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U3 (May 2021) vibsdepot http://vibsdepot.hpe.com/hpe/may2021 2021.04.0 SPP Online update
6.5 U3	2021.04.0 SPP Online or Offline update for Gen10 and forward	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (May 2021) vibsdepot http://vibsdepot.hpe.com/hpe/may2021 2021.04.0 SPP Online update

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 and updates Add-on, which contains all the HPE Online Depot content for ESXi 7.0 and updates.

⁶ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the HPE ESXi 7.0 U1 Add-on and the May 2021 HPE Custom Image for vSphere 7.0 U1.

⁷ This Add-on only supports ESXi 7.0 U1 and can only be used in vLCM with the VMware 7.0 U1 Base Image to define the desired image.

⁸ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the HPE ESXi 7.0 U2 Add-on and the May 2021 HPE Custom Image for vSphere 7.0 U2.

⁹ This Add-on only supports ESXi 7.0 U2 and can only be used in vLCM with the VMware 7.0 U2 Base Image to define the desired image.

VMware Upgrade Pack 1.4.2

Includes updated bootloader to address the UEFI Secure Boot Evasion Vulnerabilities. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>.

No ESXi 7.0 or earlier support.

No Gen9 or earlier support

Documentation and downloads for the VMware Upgrade Pack release can be found at: <https://www.hpe.com/global/swpublishing/MTX-1b3c52de05e54950bf311be35d>

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-ins, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, are available at:

- iLO Amplifier HSM: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>
- OneView HSM: <https://buy.hpe.com/us/en/software/converged-infrastructure-management-software/converged-infrastructure-management/oneview-management-software/hpe-oneview-for-vmware-vcenter-with-operations-manager-log-insight/p/4152978>

VMware vSphere version	Firmware	Drivers / Software
7.0 U2	VUP 1.4.2 Online or Offline update for Gen10 and forward ⁶	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U2 (May 2021) vibsdepot http://vibsdepot.hpe.com/hpe/may2021 ³ VUP 1.4.2 Online update for Gen10 and forward HPE ESXi 7.0 U2 Add-on (702.0.0.10.7.0) ^{4,7}

³ The ESXi 7.0 U2 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 U2 Add-on, which contains all the HPE Online Depot content for ESXi 7.0 U2.

⁶ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the VUP 1.3, HPE ESXi 7.0 U2 Add-on and the April 2021 HPE Custom Image for vSphere 7.0 U2.

⁷ This Add-on only supports ESXi 7.0 U2 and can only be used in vLCM with the VMware 7.0 U2 Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 or VMware 7.0 U1 Base Image to define the desired image.

VMware Upgrade Pack 1.4.1

Includes updated bootloader to address the UEFI Secure Boot Evasion Vulnerabilities. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>.

No ESXi 7.0 or earlier support.

No Gen9 or earlier support

Documentation and downloads for the VMware Upgrade Pack release can be found at: <https://www.hpe.com/global/swpublishing/MTX-1b3c52de05e54950bf311be35d>

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-ins, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, are available at:

- iLO Amplifier HSM: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>
- OneView HSM: <https://buy.hpe.com/us/en/software/converged-infrastructure-management-software/converged-infrastructure-management/oneview-management-software/hpe-oneview-for-vmware-vcenter-with-operations-manager-log-insight/p/4152978>

VMware vSphere version	Firmware	Drivers / Software
7.0 U1	VUP 1.4.1 Online or Offline update for Gen10 and forward ⁶	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U1 (May 2021) vibsdepot http://vibsdepot.hpe.com/hpe/may2021 ³ VUP 1.3 Online update for Gen10 and forward HPE ESXi 7.0 U1 Add-on (702.0.0.10.7.0) ^{4,7}

³ The ESXi 7.0 U1 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 U1 Add-on, which contains all the HPE Online Depot content for ESXi 7.0 U1.

⁶ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the VUP 1.4.1, HPE ESXi 7.0 U1 Add-on and the April 2021 HPE Custom Image for vSphere 7.0 U1.

⁷ This Add-on only supports ESXi 7.0 U1 and can only be used in vLCM with the VMware 7.0 U1 Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 Base Image to define the desired image.

VMware Upgrade Pack 1.3

Includes updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No ESXi 7.0 or earlier support.

No Gen9 or earlier support

Documentation and downloads for the VMware Upgrade Pack release can be found at: <https://www.hpe.com/global/swpublishing/MTX-1b3c52de05e54950bf311be35d>

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-ins, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, are available at:

- iLO Amplifier HSM: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>
- OneView HSM: <https://buy.hpe.com/us/en/software/converged-infrastructure-management-software/converged-infrastructure-management/oneview-management-software/hpe-oneview-for-vmware-vcenter-with-operations-manager-log-insight/p/4152978>

VMware vSphere version	Firmware	Drivers / Software
7.0 U2	VUP 1.3 Online or Offline update for Gen10 and forward ⁶	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U2 (March 2021) vibsdepot http://vibsdepot.hpe.com/hpe/mar2021 ³ VUP 1.3 Online update for Gen10 and forward HPE ESXi 7.0 U2 Add-on (702.0.0.10.6.3) ^{4,7}

³ The ESXi 7.0 U2 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 U2 Add-on, which contains all the HPE Online Depot content for ESXi 7.0 U2.

⁶ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the VUP 1.3, HPE ESXi 7.0 U2 Add-on and the March 2021 HPE Custom Image for vSphere 7.0 U2.

⁷ This Add-on only supports ESXi 7.0 U2 and can only be used in vLCM with the VMware 7.0 U2 Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 or VMware 7.0 U1 Base Image to define the desired image.

VMware Upgrade Pack 1.2A

Includes updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No ESXi 7.0 or earlier support.

No Gen9 or earlier support

Documentation and downloads for the VMware Upgrade Pack release can be found at: <https://www.hpe.com/global/swpublishing/MTX-686ca271fcd54a2ca0644bc67f>

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-ins, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, are available at:

- iLO Amplifier HSM: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>
- OneView HSM: <https://buy.hpe.com/us/en/software/converged-infrastructure-management-software/converged-infrastructure-management/oneview-management-software/hpe-oneview-for-vmware-vcenter-with-operations-manager-log-insight/p/4152978>

VMware vSphere version	Firmware	Drivers / Software
7.0 U1	VUP 1.2A Online or Offline update for Gen10 and forward ⁶	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U1 (January 2021) vibsdepot http://vibsdepot.hpe.com/hpe/jan2021 ³ VUP 1.2A Online update for Gen10 and forward HPE ESXi 7.0 U1 Add-on (701.0.0.10.6.3) ^{4,7}

³ The ESXi 7.0 U1 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 U1 Add-on, which contains all the HPE Online Depot content for ESXi 7.0 U1.

⁶ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the VUP 1.2A, HPE ESXi 7.0 U1 Add-on and the January 2020 HPE Custom Image for vSphere 7.0 U1.

⁷ This Add-on only supports ESXi 7.0 U1 and can only be used in vLCM with the VMware 7.0 U1 Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 Base Image to define the desired image.

VMware Upgrade Pack 1.2

Includes updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No ESXi 7.0 or earlier support.

No Gen9 or earlier support

Documentation and downloads for the VMware Upgrade Pack release can be found at: <https://www.hpe.com/global/swpublishing/MTX-070d91e67e294e929a1657acf7>

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-ins, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, are available at:

- iLO Amplifier HSM: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>
- OneView HSM: <https://buy.hpe.com/us/en/software/converged-infrastructure-management-software/converged-infrastructure-management/oneview-management-software/hpe-oneview-for-vmware-vcenter-with-operations-manager-log-insight/p/4152978>

VMware vSphere version	Firmware	Drivers / Software
7.0 U1	VUP 1.2 Online or Offline update for Gen10 and forward ⁶	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U1 (October 2020) vibsdepot http://vibsdepot.hpe.com/hpe/oct2020 ³ VUP 1.2 Online update for Gen10 and forward HPE ESXi 7.0 U1 Add-on (701.0.0.10.6.0) ^{4,7}

³ The ESXi 7.0 U1 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 U1 Add-on, which contains all the HPE Online Depot content for ESXi 7.0 U1.

⁶ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the VUP 1.2, HPE ESXi 7.0 U1 Add-on and the October 2020 HPE Custom Image for vSphere 7.0 U1.

⁷ This Add-on only supports ESXi 7.0 U1 and can only be used in vLCM with the VMware 7.0 U1Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 Base Image to define the desired image.

September 2020 SPP

Not supported with VMware Life Cycle Manager (vLCM) and the HPE Hardware Support Manager (HSM), HPE vLCM Plug-in

No pre-Gen9 support

No VMware vSphere online update of FW, driver or SW components for vSphere 7.0 and updates on Gen9.

No VMware vSphere online FW, driver or SW components for vSphere 6.7 on Gen9.

SPP documentation and downloads for the 2020.09.0 release can be found at

https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_a6c5d766234d4505b0bba6bb0c

VMware vSphere version	Firmware	Drivers / Software
7.0 U1	2020.09.0 Online or Offline update for Gen10 and forward ⁶ 2020.09.0 Offline update for Gen9	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 U1 (Oct 2020) vibsdepot http://vibsdepot.hpe.com/hpe/oct2020 ³ 2020.09.0 SPP Online update for Gen10 and forward HPE ESXi 7.0 U1 Add-on (701.0.0.10.6.0) ^{4,7}
6.7 U3	2020.09.0 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U3 (Oct 2020) vibsdepot http://vibsdepot.hpe.com/hpe/oct2020 2020.09.0 SPP Online update
6.5 U3	2020.09.0 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (Oct 2020) vibsdepot http://vibsdepot.hpe.com/hpe/oct2020 2020.09.0 SPP Online update

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name "HPE Customization for HPE Servers". See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 and updates Add-on, which contains all the HPE Online Depot content for ESXi 7.0 and updates.

⁶ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the HPE ESXi 7.0 U1 Add-on and the Oct 2020 HPE Custom Image for vSphere 7.0 U1.

⁷ This Add-on only supports ESXi 7.0 U1 and can only be used in vLCM with the VMware 7.0 U1 Base Image to define the desired image. It cannot be used in vLCM with the VMware 7.0 Base Image to define the desired image.

VMware Upgrade Pack 1.1A

Replaced VMware Upgrade Pack 1.1 to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

Documentation and downloads for the VMware Upgrade Pack 1.1 release are no longer available.

No Gen9 or earlier support

No ESXi 6.7 or earlier support

Documentation and downloads for the VMware Upgrade Pack release can be found at <https://www.hpe.com/global/swpublishing/MTX-cbc3c6765023429481d40e2f27>

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-ins, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, are available at:

- iLO Amplifier HSM: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>
- OneView HSM: <https://buy.hpe.com/us/en/software/converged-infrastructure-management-software/converged-infrastructure-management/oneview-management-software/hpe-oneview-for-vmware-vcenter-with-operations-manager-log-insight/p/4152978>

VMware vSphere version	Firmware	Drivers / Software
7.0	VUP 1.1A Online or Offline update for Gen10 and forward ⁵	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 (Jun 2020) vibsdepot http://vibsdepot.hpe.com/hpe/jun2020 ³ VUP 1.1A Online update for Gen10 and forward HPE ESXi 7.0 Add-on (700.0.0.10.5.5) ⁴

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 Add-on, which contains all the HPE Online Depot content for ESXi 7.0.

⁵ Online firmware update for Marvell adapters supported by the qlfe3, qlfe3i, qcnic, qlfe3f, qedf and qedi drivers and Intel adapters supported by the igbn, ixgben and i40en drivers requires the drivers included in the VUP 1.1A, HPE ESXi 7.0 Add-on and the June 2020 HPE Custom Image for vSphere 7.0.

VMware Upgrade Pack 1.0

VMware Upgrade Pack 1.0 is superseded by VUP 1.1A

Documentation and downloads for the VMware Upgrade Pack 1.0 release are no longer available.

No Gen9 or earlier support

No ESXi 6.7 or earlier support

If use VMware Life Cycle Manager (vLCM) to perform updates, use of any other mechanism to perform updates will cause the vLCM compliance check to fail.

Information about the HPE Hardware Support Manager (HSM), HPE vLCM Plug-ins, for Gen10 and forward HPE servers running vSphere 7.0 and forward VMware OS releases, that enables vLCM to perform FW update, are available at:

- iLO Amplifier HSM: <https://www.hpe.com/support/iLO-Amp-Pack-Plug-in-for-VMware-vLCM-en>
- OneView HSM: <https://buy.hpe.com/us/en/software/converged-infrastructure-management-software/converged-infrastructure-management/oneview-management-software/hpe-oneview-for-vmware-vcenter-with-operations-manager-log-insight/p/4152978>

VMware vSphere version	Firmware	Drivers / Software
7.0	VUP 1.0 Online or Offline update for Gen10 and forward	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 (Apr 2020) vibsdepot http://vibsdepot.hpe.com/hpe/apr2020 ³ VUP 1.0 Online update for Gen10 and forward HPE ESXi 7.0 Add-on (700.0.0.10.5.0) ⁴

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name "HPE Customization for HPE Servers". See the [VMware vSphere documentation](#) on how to use VMware Life Cycle Manager (vLCM) with the HPE ESXi 7.0 Add-on, which contains all the HPE Online Depot content for ESXi 7.0.

2020.03.2 SPP

Replaced 2020.03.0 SPP to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No pre-Gen9 support

No VMware vSphere online FW, driver or SW components for vSphere 6.7 on Gen9.

SPP documentation and downloads for the 2020.03.2 release can be found at https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_f0541725a50c4c45bbfdd3fb81

VMware vSphere version	Firmware	Drivers / Software
7.0	2020.03.2 SPP Offline update for Gen9 only	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 (Jun 2020) vibsdepot http://vibsdepot.hpe.com/hpe/jun2020 ³ HPE ESXi 7.0 Add-on (700.0.0.10.5.5) ⁴
7.0	2020.03.2 SPP Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 7.0 (Apr 2020) vibsdepot http://vibsdepot.hpe.com/hpe/apr2020 ³ HPE ESXi 7.0 Add-on (700.0.0.10.5.0) ⁴
6.7 U3	2020.03.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U3 (Mar 2020) vibsdepot http://vibsdepot.hpe.com/hpe/mar2020 2020.03.2 SPP Online update
6.5 U3	2020.03.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (Mar 2020) vibsdepot http://vibsdepot.hpe.com/hpe/mar2020 2020.03.2 SPP Online update

³ The ESXi 7.0 content published in the HPE Online Depot is for offline use only. It cannot be used with VMware vSphere Image Builder, VMware Update Manager or VMware Life Cycle Manager (vLCM) as an online depot.

⁴ This Add-on will be displayed in vLCM with Name “HPE Customization for HPE Servers”. See the VMware documentation on how to use the HPE ESXi 7.0 Add-on, which contains all the HPE Online Depot content for ESXi 7.0.

2019.12.2 SPP

Replaced 2019.12.1 SPP to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No pre-Gen9 support

No VMware vSphere online FW, driver or SW components for vSphere 6.7 on Gen9.

SPP documentation and downloads for the 2019.12.2 release can be found at https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_b08133f7833b4937b3fc2a6a72

VMware vSphere version	Firmware	Drivers / Software
6.7 U3	2019.12.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U3 (Dec 2019) vibsdepot http://vibsdepot.hpe.com/hpe/dec2019 2019.12.2 SPP Online update
6.5 U3	2019.12.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (Dec 2019) vibsdepot http://vibsdepot.hpe.com/hpe/dec2019 2019.12.2 SPP Online update

2019.09.1 SPP

Replaced 2019.09.0 SPP to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No pre-Gen9 support

Last SPP to support 6.0 U3.

No VMware vSphere online FW, driver or SW components for vSphere 6.7 on Gen9.

SPP documentation and downloads for the 2019.09.1 release can be found at https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_cf9e0b454e2145d884d28fe6d4

VMware vSphere version	Firmware	Drivers / Software
6.7 U3	2019.09.1 SPP Online or Offline update plus newer firmware ¹	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U3 (Aug 2019) ^{1,2} vibsdepot http://vibsdepot.hpe.com/hpe/aug2019 ¹ 2019.09.1 SPP Online update plus newer drivers ¹
6.5 U3	2019.09.1 SPP Online or Offline update plus newer firmware ¹	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (Aug 2019) ^{1,2} vibsdepot http://vibsdepot.hpe.com/hpe/aug2019 ¹ 2019.09.1 SPP Online update plus newer drivers ¹

¹ This version of the vibsdepot directory contains newer drivers that require newer firmware than the drivers and firmware included in the 2019.09.1 SPP. The newer drivers and firmware, their versions and the URLs for the firmware are listed in the matching section for the HPE Custom Image.

² This HPE Custom Image contains support for the AMD 2nd Gen EPYC processor drop-in for Gen10 servers.

2019.03.2 SPP

Replaced 2019.03.0 and 2019.0.1 SPP to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No pre-Gen9 support

No VMware vSphere online FW, driver or SW components for vSphere 6.7 on Gen9.

SPP documentation and downloads for the 2019.03.2 release can be found at https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_f6a21a76455d48e1aca68783c5

VMware vSphere version	Firmware	Drivers / Software
6.7 U3	2019.03.2 SPP Online or Offline update plus newer firmware ¹	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U3 (Aug 2019) ¹ vibsdepot http://vibsdepot.hpe.com/hpe/aug2019 ¹ 2019.03.2 SPP Online update plus newer drivers ¹
6.7 U2	2019.03.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U2 (11 April 2019) vibsdepot http://vibsdepot.hpe.com/hpe/apr.11.2019 2019.03.2 SPP Online update
6.7 U1	2019.03.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U1 (1 April 2019) vibsdepot http://vibsdepot.hpe.com/hpe/apr2019 2019.03.2 SPP Online update
6.5 U3	2019.03.2 SPP online or offline update plus newer firmware ¹	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (Aug 2019) ¹ vibsdepot http://vibsdepot.hpe.com/hpe/aug2019 ¹ 2019.03.2 SPP Online update plus newer drivers ¹
6.5 U3	2019.03.2 SPP online or offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (27 June 2019) vibsdepot http://vibsdepot.hpe.com/hpe/jun2019 2019.03.2 SPP Online update
6.5 U2	2019.03.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U2 (1 April 2019) vibsdepot http://vibsdepot.hpe.com/hpe/apr2019 2019.03.2 SPP Online update

¹ This version of the vibsdepot directory contains newer drivers that require newer firmware than the drivers and firmware included in the 2019.03.2 SPP. The newer drivers and firmware, their versions and the URLs for the firmware are listed in the matching section for the HPE Custom Image.

2019.03.0 SPP

No pre-Gen9 support

First support for Gen 9 VMware vSphere online FW, driver or SW components for vSphere 6.7 U1 and newer with April 2019 HPE Custom Image (version 670.U1.10.4.1), which includes the April 2019 HPE WBEM providers (version 03.15.00), or newer installed and running. See CA at:

https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00050181en_us

No VMware vSphere online FW, driver or SW components for vSphere 6.7 on Gen9.

SPP documentation and downloads for the 2019.03.0 release has been replaced by 2019.03.2 SPP.

VMware vSphere version	Firmware	Drivers / Software
6.7 U2	2019.03.0 SPP online or offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U2 (11 April 2019) vibsdepot http://vibsdepot.hpe.com/hpe/apr.11.2019 2019.03.0 SPP Online update
6.7 U1	2019.03.0 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U1 (1 April 2019) vibsdepot http://vibsdepot.hpe.com/hpe/apr2019 2019.03.0 SPP Online update
6.5 U3	2019.03.0 SPP online or offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U3 (27 June 2019) vibsdepot http://vibsdepot.hpe.com/hpe/jun2019 2019.03.0 SPP Online update
6.5 U2	2019.03.0 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U2 (1 April 2019) vibsdepot http://vibsdepot.hpe.com/hpe/apr2019 2019.030 SPP Online update

2018.11.1 Supplement SPP

Replaced 2018.11.0 SPP to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No pre-Gen9 support

First support for VMware vSphere online FW, driver or SW components for vSphere 6.7 and vSphere 6.7 U1 on Gen10 only. See CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00050181en_us

No VMware vSphere online FW, driver or SW components for vSphere 6.7 or 6.7 U1 on Gen9. See CA at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00050181en_us

Includes AMS hot-fixes for reporting blank Active HPE Software versions for installed drivers displayed in SUM and AMS crash when processing a Link Down/Up Trap for a NIC port that has multiple IPV6 addresses. For details, refer to the customer advisories at: https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00059315en_us and https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00059794en_us respectively.

SPP documentation and downloads for the 2018.11.1 release can be found at https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_87cfc95540d64188b0ff4673ce

VMware vSphere version	Firmware	Drivers / Software
6.7 U1	2018.11.1 SPP Online update (Gen10 only) 2018.11.1 SPP Offline update (Gen10/9)	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 U1 (October 2018) vibsdepot http://vibsdepot.hpe.com/hpe/sep2018 plus AMS hot-fixes at: http://vibsdepot.hpe.com/hpe/nov2018 Gen10 only – 2018.11.1 SPP Online update
6.7	2018.11.1 SPP Online update (Gen10 only) 2018.11.1 SPP Offline update (Gen10/9)	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 (27 September 2018) vibsdepot http://vibsdepot.hpe.com/hpe/sep2018 plus AMS hot-fixes at: http://vibsdepot.hpe.com/hpe/nov2018 Gen10 only – 2018.11.1 SPP Online update
6.5 U2	2018.11.1 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U2 (27 September 2018) vibsdepot http://vibsdepot.hpe.com/hpe/sep2018 plus AMS hot-fixes at: http://vibsdepot.hpe.com/hpe/nov2018 2018.11.1 SPP Online update

2018.09.1 SPP

Replaced 2018.11.0 SPP to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No pre-Gen9 support

No VMware vSphere online FW, driver or SW components for vSphere 6.7.

First support for VMware vSphere online FW, driver and SW components for Gen10 servers.

SPP documentation and downloads for the 2018.09.1 SPP release can be found at

https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_7bbad849e95d46d59d16433091

VMware vSphere version	Firmware	Drivers / Software
6.7 U1	2018.09.1 SPP Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 (16 October 2018) vibsdepot http://vibsdepot.hpe.com/hpe/sep2018
6.7	2018.09.1 SPP Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 (27 September 2018) vibsdepot http://vibsdepot.hpe.com/hpe/sep2018
6.5 U2	2018.09.1 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U2 (27 September 2018) vibsdepot http://vibsdepot.hpe.com/hpe/sep2018 2018.09.1 SPP Online update

2018.06.1 SPP

Replaced 2018.06.0 SPP to provide an updated bootloader to address the UEFI Secure Boot Evasion Vulnerability aka BootHole. For more information see: <https://www.hpe.com/us/en/services/security-vulnerability.html>

No pre-Gen9 support

No VMware vSphere online FW, driver or SW components for vSphere 6.7.

No VMware vSphere online FW, driver or SW components for Gen10 servers.

SPP documentation and downloads for the 2018.06.1 SPP release can be found at

https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_924428809bac468194f4686a17

VMware vSphere version	Firmware	Drivers / Software
6.7	2018.06.1 SPP Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 (26 June 2018) vibsdepot http://vibsdepot.hpe.com/hpe/jun2018
6.5 U2	2018.06.1 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U2 (26 June 2018) vibsdepot http://vibsdepot.hpe.com/hpe/jun2018 2018.06.1 SPP Online update

2018.03.0 SPP

No pre-Gen9 support

No VMware vSphere online FW, driver or SW components for vSphere 6.7.

No VMware vSphere online FW, driver or SW components for Gen10 servers.

First SPP with online SW components for Gen9 servers.

SPP documentation and downloads for the 2018.03.0 SPP release can be found at

https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_a134fa75a1bd4fb980e7850b91

VMware vSphere version	Firmware	Drivers / Software
6.7	2018.03.0 SPP Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.7 (17 April 2018) vibsdepot http://vibsdepot.hpe.com/hpe/apr2018
6.5 U2	2018.03.0 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U2 (3 May 2018) vibsdepot http://vibsdepot.hpe.com/hpe/may2018 2018.03.0 SPP Online update
6.5 U1	2018.03.0 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U1 (9 February 2018) vibsdepot http://vibsdepot.hpe.com/hpe/feb2018 2018.03.0 SPP Online update

2017.10.1 SPP

No pre-Gen9 support

No VMware vSphere online FW, driver or SW components for Gen10 servers.

SPP documentation and downloads for the 2017.10.1SPP release can be found at
https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_85633fd81ad7456dbf6c8a7137

Includes the updated net-bnx2x driver version 2.713.30.v60.9. For details, refer to the customer advisory at:
http://h20565.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-a00028272en_us

VMware vSphere version	Firmware	Drivers	Software
6.5 U1	2017.10.1 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U1 (26 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct.26.2017 2017.10.1 SPP Online update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U1 (26 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct.26.2017
6.5	2017.10.1 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 (26 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct.26.2017 2017.10.1 SPP Online update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 (26 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct.26.2017

2017.07.2 SPP

No pre-Gen9 support

First SPP to support Gen10

First SPP to support 6.5 U1

First SPP with online FW and driver components for VMware vSphere 6.5 and 6.5 U1

No VMware vSphere online FW, driver or SW components for Gen10 servers.

SPP documentation and downloads for the 2017.07.2 SPP release can be found at

https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_5adc84a657164985b23ee54fbc

Due to a recently discovered issue with the net-bnx2x driver version 2.713.30 in the latest NX2 package (drivers include bnx2, bnx2x, bnx2fc, bnx2i) that can cause the supported cards to become inoperable and unrecoverable, HPE has created a new October HPE Custom Image that includes the VMware in-box net-bnx2x driver version 1.78.80.v60.12 and a new vibsdepot directory <http://vibsdepot.hpe.com/hpe/oct2017>.

This HPE Custom Image does not support any of the cards with this issue. The vibsdepot directory includes the Hot Fix for the memory leak in the HPE WBEM Providers for 6.5. A replacement driver, HPE Custom Image, vibsdepot directory and Customer Advisory are expected to be published soon.

For details, refer to the customer advisory at: http://h20565.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-a00028272en_us

VMware vSphere version	Firmware	Drivers	Software
6.5 U1	2017.07.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U1 (06 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct2017 2017.07.2 SPP Online update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 U1 (06 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct2017
6.5	2017.07.2 SPP Online or Offline update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 (06 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct2017 2017.07.2 SPP Online update	HPE Custom Image HPE Custom Image for VMware vSphere 6.5 (06 October 2017) vibsdepot http://vibsdepot.hpe.com/hpe/oct2017

2017.04.0 SPP

2017.04.0 SPP does not contain any VMware vSphere online FW or SW components for VMware vSphere 6.5. FW update for servers running VMware vSphere 6.5 must be done via offline FW update. Software and driver update for servers running VMware vSphere 6.5 must be done using the HPE Custom Image or vibsdepot.

Last full SPP to support pre-Gen9 servers.

SPP documentation and downloads for the 2017.04.0 SPP release can be found at

https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_3f6b4074ed734dc3baf007612d

VMware vSphere version	Firmware	Drivers	Software
6.5	2017.04.0 SPP Offline update	<ul style="list-style-type: none"> • HPE Custom Image for VMware vSphere 6.5 (08 May 2017) • vibsdepot at http://vibsdepot.hpe.com/hpe/may2017 	<ul style="list-style-type: none"> • HPE Custom Image for VMware vSphere 6.5 (08 May 2017) • vibsdepot at http://vibsdepot.hpe.com/hpe/may2017

2016.10.0 SPP

2016.10.0 SPP does not contain any VMware vSphere online FW or SW components for VMware vSphere 6.5. FW update for servers running VMware vSphere 6.5 must be done via offline FW update. Software and driver update for servers running VMware vSphere 6.5 must be done using the HPE Custom Image or vibsdepot.

First SPP to support VMware vSphere 6.5. SPP documentation and downloads for the 2016.10.0 SPP release can be found at

https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_3c2bfc8c3b446a7a9451c4ab9

VMware vSphere version	Firmware	Drivers	Software
6.5	2016.10.0 SPP Offline update	<ul style="list-style-type: none"> HPE Custom Image for VMware vSphere 6.5 (18 November 2016) + http://vibsdepot.hpe.com/hpe/jan2017 vibsdepot at http://vibsdepot.hpe.com/hpe/nov2016 + http://vibsdepot.hpe.com/hpe/jan2017 	<ul style="list-style-type: none"> HPE Custom Image for VMware vSphere 6.5 (18 November 2016) + http://vibsdepot.hpe.com/hpe/jan2017 vibsdepot at http://vibsdepot.hpe.com/hpe/nov2016 + http://vibsdepot.hpe.com/hpe/jan2017

Revision History

Date	Version	Change Description
05.18.2021	1.51	Added missing 2021.04.0 SPP section
05.04.2021	1.50	Added May 2021 6.5 U3, 6.7 U3, 7.0 U1 and 7.0 U2 HPE Custom Images Added 2021.04.0 SPP Added VUP 1.41 and VUP 1.42
03.02.2021	1.40	Added VMware vSphere 7.0 U2 OS release Added VUP 1.3
01.19.2021	1.33	Added January 2021 6.5 U3, 6.7 U3 and 7.0 U1 HPE Custom Images Added VUP 1.2A Fixed links to older SPPs 2019.03.1 replaced by 2019.03.2 2018.11.0 replaced by 2018.11.1 2018.09.0 replaced by 2018.09.1 2018.06.0 replaced by 2018.06.1
11.12.2020	1.32	Fix versions of 7.0 U1 OS release. Adjust footnote formatting.
10.07.2020	1.31	Renamed all MSB to SPP.
10.05.2020	1.30	Added 2020.09.0 SPP Added VUP 1.2 Add notes for software and driver version differences between 2020.09.0 SPP and 7.0 U1, 6.7 U3 and 6.5 U3 HPE Custom Images Added VMware vSphere 7.0 U1 OS release Remove ESXi 5.5 and 6.0 OS release tables and references.
08.24.2020	1.20.6	Replaced VUP 1.1 with VUP 1.1A. VUP 1.0 superseded by VUP 1.1A SPP 2020.03.0 superseded by SPP 2020.03.2 SPP 2019.12.0 superseded by SPP 2019.12.2 SPP 2019.09.0 superseded by SPP 2019.09.1

07.02.2020	1.20.5	Added note for Gen9 support for June release of 7.0 HPE Custom Image with March 2020 MSB
06.23.2020	1.20.4	Added VUP 1.1 and June release of 7.0 HPE Custom Image Added links to VMware documentation for vLCM
04.20.2020	1.20.3	Added link to HPE vLCM Plug-in HSM, new section for VUP 1.0 and referenced VUP 1.0 in 7.0 OS release.
04.14.2020	1.20.2	Added VMware vSphere 7.0 OS release and links to HPE Custom Image and Add-on Fix nhpsa vSAN certification footnotes for 6.7 U3 and 6.5 U3 OS tables.
04.03.2020	1.20.1	Updated links for HPE Custom Image and Add-on – Document superseded by 1.20.2
04.02.2020	1.20	Added VMware vSphere 7.0 OS release – Document superseded by 1.20.2
03.19.2020	1.19.1	Added footnote to March 2020 MSB 6.5 U3 and 6.7 U3 HPE Custom Image releases referencing updated qlnativefc driver and associated CA and stating that Integrated Smart Update Tool was included in the image.
03.09.2020	1.19	Added March 2020 MSB
02.04.2020	1.18.2	Added Gen9 Smart Array Controller FW footnote to 2019.12.0 references in 6.7 U3 and 6.5 U3 releases.
01.07.2020	1.18.1	Fixed reference to August 29, 2019 VMware vSphere 6.5 U3 release vibsdepot download directory.
12.20.2019	1.18	Added 2019.12.0 SPP
09.09.2019	1.17	Added September 2019 MSB, September 2019 HPE Custom Image for 6.0 U3 and support for September 2019 MSB to 6.0 U3, 6.5 U3 and 6.7 U3

09.03.2019	1.16.2	Removed note stating certain NICs are not supported on new EPYC processors.
08.29.2019	1.16.1	Added new VMware vSphere 6.5 U3 and added note to VMware vSphere 6.7 U3 to support 2nd Gen AMD EPYC processor drop-in on Gen10 servers.
08.20.2019	1.16	Added VMware vSphere 6.7 U3.
06.27.2019	1.15	Added VMware vSphere 6.5 U3. Restored Synergy links
06.05.2019	1.14.1	Removed reference to Synergy links
04.26.2019	1.14	Added 2019.03.1 SPP
4.18.2019	1.13.1	Added 6.7 U2 to 2019.03.0 SPP table
04.11.2019	1.13	Added VMware vSphere 6.7 U2.
04.02.2019	1.12.1	Added note related to nhpsa driver for Gen9 on 6.5 U2 and 6.7U1.
04.01.2019	1.12	Added 2019.03.0 SPP
2.08.2019	1.11.3	Added new version of 6.0 U3 HPE Custom Image. Added note 2018.03.0 SPP and newer now includes HPE value-add software.
12.03.2018	1.11.2	Added reference to Synergy and Superdome links.

11.28.2018	1.11.1	Clarified how to update previously released HPE Custom Images to newer SPPs
11.27.2018	1.11	Added 2018.11.0 Supplement SPP.
10.04.2018	1.10	Added VMware vSphere 6.7 U1.
09.27.2018	1.9	Added 2018.09.0 MSB and September 2018 HPE Custom Images for 6.0 U3, 6.5 U2 and 6.7.
06.26.2018	1.8	Fixed dates of June 2018 HPE Custom Images for 6.0 U3, 6.5 U2 and 6.7. Clarifications and change HPE SPP to SPP.
06.12.2018	1.7	Added 12 June 2018 HPE Custom Images for 6.0 U3, 6.5 U2 6.7 and associated vibsdepot directories. Added 2018.06.0 SPP.
05.10.2018	1.6	Update vibsdepot directory for 6.5 U2 OS release.
05.04.2018	1.5	Added VMware vSphere 6.5 U2
04.17.2018	1.4	Added VMware vSphere 6.7 Add links to SPP downloads and documentation Add SPP online driver update for 2017.7.2 and 2017.10.1 Add SPP online driver and SW update for 2018.03.0
02.05.2018	1.3	Added 2018.03.0 SPP Added Feb 5 2018 HPE Custom Images for 6.5 U1 and 6.0 U3 and associated vibsdepot directories
11.27.2017	1.2	Fix 5.5 U3 table to list 2017.04.0 SPP as supported with December HPE Custom Image
10.26.2017	1.1	Added 2017.10.1 SPP Added Oct 26 HPE Custom Images for 6.5 U1, 6.5 and 6.0 U3 and associated vibsdepot directories

10.06.2017	1.0	Initial version
------------	-----	-----------------

Get connected

hpe.com/info/getconnected

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

© Copyright 2021 Hewlett Packard Enterprise Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HPE products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HPE shall not be liable for technical or editorial errors or omissions contained herein.

Trademark acknowledgments, if needed.