



Hewlett Packard
Enterprise

**HPE Hyper Converged 250 System for VMware
vSphere
Matrix of qualified software and firmware**

Abstract

This document outlines the host operating system, HPE OneView InstantOn, HPE StoreVirtual Software, and component level firmware versions qualified to run on HPE Hyper Converged 250 System for VMware vSphere.

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Contents

- Getting started.....5**
 - About this document.....5
 - Firmware and software updates.....5
 - Definitions.....5

- Management software.....6**

- Node software recommendations..... 8**

- Node firmware and drivers recommendations..... 10**

- Websites.....14**

- Support and other resources.....15**
 - Accessing Hewlett Packard Enterprise Support.....15
 - Accessing updates.....15
 - Customer self repair.....16
 - Remote support.....16
 - Warranty information.....16
 - Regulatory information.....16
 - Documentation feedback.....17

Revision history

Version	Date	Comments
V1	February 2016	HPE Branding
V2	March 2016	Formatting Changes, Version History table, and VMware Tools added.
V3	April 2016	Enhancement Requests / Minor Updates
V4	June 2016	HPE OneView InstantOn Release 1.3.5
V5	February 2017	HPE OneView InstantOn 1.3.5.31
V6	September 2017	Added support for VSA 12.7 and SPP July2017 - latest vCenter & vSphere server
V7	February 2018	Added support for ESXi 6.0 U3 and SPP October 2017 - latest vCenter & vSphere server
V8	March 2018	Added support for ESXi 6.5 U1 and SPP March 2018
V9	August 2018	Added support for ESXi 6.0U3e, ESXi 6.5U2 and SPP June 2018 - latest vCenter and vSphere server
v10	November 2018	Added support for ESXi 6.0 U3 9313334, ESXi 6.5U2 9298722 and SPP September 2018- latest vCenter and vSphere server
v11	February 2019	Added support for vSphere 6.7U1 with SPP September 2018
V12	May 2019	Added support for ESXi 6.0 U3 10719132, ESXi 6.5U2 10719125, 6.7 11675023 and SPP March 2019- latest vCenter and vSphere server
V13	Oct 2019	Added StoreVirtual VSA 12.7/12.8 Support for vSphere 6.0U3, 6.5U2/U3 and 6.7U1/U2 with SPP 2019.03.01

Getting started

About this document

The HPE Hyper Converged 250 System for VMware vSphere Matrix of Qualified Software and Firmware outlines the host operating system, HPE OneView InstantOn, HPE StoreVirtual Software, and component level firmware versions qualified to run on HPE Hyper Converged 250 System for VMware vSphere. Hewlett Packard Enterprise recommends running your HPE Hyper Converged 250 System for VMware vSphere with the following software and firmware versions. Upgrades beyond the software and firmware versions listed in this document, except where explicitly stated, or as advised by HPE support, may introduce unexpected behavior and are not supported.

The most recent version of this document can be found on <http://www.hpe.com/info/hyperconverged-docs>.

Firmware and software updates

Updates for individual software and firmware components may be found at the following links and at <http://www.hpe.com/info/HCUupdates>.

Definitions

Upgrade

During an upgrade, newer software or firmware components are applied to the system; this includes going to the next major or minor version.

Examples:

- LeftHand OS 12.6 > LeftHand OS 12.7 > LeftHand OS 12.8
- vSphere ESXi 6.0 U2/U3 > ESXi 6.5 U2/U3
- vSphere ESXi 6.0 U2/U3 > ESXi 6.7 U1/U2
- vSphere ESXi 6.5 U2 > ESXi 6.7 U1/U2
- vSphere ESXi 6.5 U3 > ESXi 6.7 U2

Before upgrading ESXi from vSphere 6.5 U2 to vSphere 6.7 U1, refer to customer Advisory available at https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00065358en_us.

Update/Patch/Hotfix

When applying updates, hotfixes, and patches, the major/minor revision of a software or firmware component remains unchanged.

Example:

- vSphere ESXi 6.0 U2 > ESXi 6.0 U3
- vSphere ESXi 6.5U2 > ESXi 6.5U3
- vSphere ESXi 6.7U1 > ESXi 6.7U2

Management software

The following tables list the latest software versions qualified to run on the management VM of HPE Hyper Converged 250 System for VMware vSphere.

See the *HPE Hyper Converged 250 System for VMware vSphere Installation Guide* for reinstallation of the management VM.

Table 1: Management software

System component	Versions	Download link	Notes
Management VM	1.3.5.31	http://www.hpe.com/info/HCupdates	--
Microsoft Windows Server (Mgmt. VM OS)	2012	http://www.hpe.com/info/HCupdates	Hotfixes and patches may be installed when indicated by Windows Update. Management VM image is available to customer with valid support contract as part of system recovery files.
HPE OneView InstantOn	1.3.5.31	http://www.hpe.com/info/HCupdates	Newer versions may be installed to the management VM. HPE OneView InstantOn 1.3.5.31 is required when upgrading from an earlier version of HPE OneView for vCenter Server.
HPE OneView for vCenter	7.8.4.168 for vSphere 6.0 9.1.0.556 for vSphere 6.5 and 6.7	http://www.hpe.com/info/HCupdates	Upgrades to versions of HPE OneView for vCenter not listed in this matrix are not supported.
HPE StoreVirtual Centralize Management Console	12.8	http://www.hpe.com/storage/downloads/storevirtual	Upgrades and patches may be installed when indicated by StoreVirtual Centralized Management Console.
HPE StoreVirtual Command Line Interface for Windows	12.7.0.34	http://www.hpe.com/storage/downloads/storevirtual	Upgrades and patches may be installed when indicated by StoreVirtual Centralized Management Console.
HPE StoreVirtual Application Aware Snapshot Manager	13.6.0.5	http://www.hpe.com/storage/downloads/storevirtual	Upgrades and patches may be installed when indicated by StoreVirtual Centralized Management Console.

Table Continued

System component	Versions	Download link	Notes
HPE StoreVirtual SNMP MIBs for LeftHand	12.8	http://www.hpe.com/storage/downloads/storevirtual	Upgrades and patches may be installed when indicated by StoreVirtual Centralized Management Console.
VMware vSphere CLI	6.0 5.5	https://my.vmware.com	--
VMware vSphere PowerCLI	11.0.0 10.1.0 6.5.4 6.3 5.5	https://my.vmware.com	--
VMware vCenter	6.7 U2 (13010631) 6.7 U1 (10244745) 6.5 U2d (10964411) 6.5U3 (14020092) 6.0 U3h (9451619) 6.0 U2 (3634788)	https://my.vmware.com	Hotfixes and updates may be installed through VMware Update Manager; upgrades to VMware vSphere versions not qualified per this matrix are not supported.
VMware Tools	10.x	https://my.vmware.com	VMware Tool is not allowed to be updated past the currently supported version.

Node software recommendations

The following table lists the latest software versions qualified to run on HPE Hyper Converged 250 System for VMware vSphere.

See *HPE Hyper Converged 250 System for VMware vSphere Installation Guide* for reinstallation of one or more nodes.

vSphere patches and update roll-ups (U1) may be applied to the system without impacting support. Upgrades to major or minor versions not covered in this document are not supported.

Table 2: Node software recommendations

System component	Version	Download link or file name	Notes
HPE Customized ESXi image ¹	6.0 U2	VMware-ESXi-6.0.0-Update2-3620759-HPE-600.9.6.0.49-Oct2016.iso	Hotfixes and updates may be installed using VMware Update Manager. Upgrades to VMware vSphere versions not qualified are not supported.
	6.0 u3 (Build 10719132)	VMware-ESXi-6.0.0-Update3-10719132-HPE-Gen9Plus-600.10.4.0.15-Apr2019.iso	
	6.5U2 (Build 10719125)	VMware-ESXi-6.5.0-Update2-10719125-HPE-Gen9plus-650.U2.10.4.0.29-Apr2019.iso	
	6.5U3 (Build 13932383)	VMware-ESXi-6.5.0-Update3-13932383-HPE-Gen9plus-650.U3.10.4.1.8-Jun2019.iso	
	6.7U1 (Build 11675023)	VMware-ESXi-6.7.0-Update1-11675023-HPE-Gen9plus-670.U1.10.4.0.19-Apr2019	
	6.7U2 (Build 13006603)	VMware-ESXi-6.7.0-Update2-13006603-HPE-Gen9plus-670.U2.10.4.1.8-Apr2019	
HPE StoreVirtual VSA 2014 for vSphere	12.8	http://www.hpe.com/storage/downloads/storevirtual	Updates may be installed when indicated by StoreVirtual Centralized Management Console. Upgrades to LeftHand OS versions not qualified are not recommended.

Table Continued

System component	Version	Download link or file name	Notes
HPE iSCSI Target	6.0 - 12.0.0.1	<u>http://www.hpe.com/info/HUpdates</u>	For more information about downloading the files, see the section "Download and stage the required files" in the document <i>VMware vSphere 6.5 Migration Guide For HPE Hyper Converged 380 1.1 Update 2 and HPE Hyper Converged 250</i> at the Hewlett Packard Enterprise website <u>http://www.hpe.com/support/hc380-250-vSphere65-MG</u> .
Periodic Rescan for VMware	6.5 - 12.7.0.12		
	6.7- 12.7.0.20		
HPE ConvergedSystem 200-HC StoreVirtual Discovery Agent	6.0 - 1.3.5.2	<u>http://www.hpe.com/info/HUpdates</u>	Part of the CS 200-HC StoreVirtual Recovery Suite. Not applicable to vSphere 6.5/6.7

¹ If the HPE Custom image for VMware ESXi is not available for download from vmware.com, contact Hewlett Packard Enterprise technical support to obtain the image: <https://support.hpe.com/hpesc/public/home>

Node firmware and drivers recommendations

Obtain the latest HPE Service Pack for ProLiant VMware Recipe by visiting <http://vibsdepot.hpe.com/hpq/recipes/HPE-VMware-Recipe.pdf>.

An approved version of the Service Pack for ProLiant is available on the HPE Support Center OS Independent download page for HPE Hyper Converged 250 System for VMware vSphere. These firmware levels should be maintained on each of the four nodes in the HPE Hyper Converged 250 System for VMware vSphere.

The 2019.03.1 SPP is a post-production SPP and contains components for the Gen9 and Gen10 server platforms. For additional information, see "Reducing Server Updates." Post-Production SPPs can be downloaded from <http://www.hpe.com/servers/SPP/download>.

Table 3: Node firmware and drivers recommendations

System component	Version
Service Pack for ProLiant, SPP	2019.03.1
Smart Array P440 firmware	6.88
Smart Array P440 vSphere driver	6.0.0.132-1OEM (vSphere 6.0) 2.0.38-1OEM (vSphere 6.5 and 6.7)
BIOS/System Board FW (ProLiant XL170r Gen9) U14	2.72_03-25-2019
HPE iLO 4	2.70
HPE Ethernet 1Gb 2-port 361i Adapter firmware	1.2028.0
HPE Ethernet 1Gb 2-port 361i Adapter driver	1.4.7
HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter firmware	1.2028.0
HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter driver	1.7.10
HPE 1.2TB 12G SAS 10K 2.5in SC ENT HDD - EG1200JEHMC	HPD5 (D)
HPE 1.2TB 12G SAS 10K 2.5in SC ENT HDD - EG1200JEMDA	HPD6 (C)
HPE 1.2TB 12G SAS 10K 2.5in SC ENT HDD - EG1200JETKC	HPD6 (B)
HPE 480GB 6G SATA 2.5in VE SC PLP SSD - VK0480GECQP	HPG3 (B)
HPE 480GB 6Gb SATA 2.5 MU PLP SC S2 - MK0480GFDKR	HPG0
HPE 960GB 6Gb SATA 2.5 MU PLP SC S2 - MK0960GFDKT	HPG0
HPE 1.92TB 6Gb SATA 2.5 MU PLP SC S2 - MK1920GFDKU	HPG0

NOTE: Any released drive firmware version later than the listed version is supported unless stated otherwise. Upgraded drive models are also supported unless stated otherwise.

Version history release	Release date	Supported platforms	StoreVirtual VSA with	HPE Custom Image for VMware vSphere	HPE OneView for VMware vCenter	Microsoft Windows Server
1.1.0	Feb. 2015	ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 11.5	5.5 U2	7.4.2	2012
1.1.1	May 2015	ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 12.0	5.5 U2	7.4.4	2012
1.1.2	Sept. 2015	ConvergedSystem 250-HC StoreVirtual System ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 12.0	5.5 U2	7.7.1	2012
1.2.0	Nov. 2015	ConvergedSystem 250-HC StoreVirtual System ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 12.0	5.5 U2, 6.0 U1	7.7.3	2012
1.3.1	April 2016	Hyper Converged 250 System for VMware vSphere® ConvergedSystem 250-HC StoreVirtual System ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 12.5	5.5 U2, 6.0 U1	7.8.2	2012
1.3.5	June 2016	Hyper Converged 250 System for VMware vSphere® ConvergedSystem 250-HC StoreVirtual System ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 12.6	5.5 U2, 6.0 U2	7.8.3	2012

Table Continued

Version history release	Release date	Supported platforms	StoreVirtual VSA with	HPE Custom Image for VMware vSphere	HPE OneView for VMware vCenter	Microsoft Windows Server
1.4.1	Feb 2018	Hyper Converged 250 System for VMware vSphere® ConvergedSystem 250-HC StoreVirtual System ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 12.6, 12.7	6.0U2, 6.0U3	7.8.4.168	2012
1.4.2	Mar 2018	Hyper Converged 250 System for VMware vSphere® ConvergedSystem 250-HC StoreVirtual System ConvergedSystem 242-HC StoreVirtual System ConvergedSystem 240-HC StoreVirtual System	LeftHand OS 12.7	6.5 U1	8.3.0.66	Not applicable
1.4.3	Jun 2018	Hyper Converged 250 System for VMware vSphere® ConvergedSystem 250-HC StoreVirtual System	LeftHand OS 12.7	6.5 U2	8.3.0.66	Not applicable
				6.0 U3e	7.8.4.168	2012
1.4.4	Oct 2018	Hyper Converged 250 System for VMware vSphere® ConvergedSystem 250-HC StoreVirtual System	LeftHand OS 12.7	6.5 U2c	8.3.0.66	Not applicable
				6.0U3 (Build 9313334)	7.8.4.168	2012
				6.7U1 (Build 10302608)	9.1.0.556	Not applicable
1.4.5	May 2019	Hyper Converged 250 System for VMware vSphere® ConvergedSystem 250-HC StoreVirtual System	LeftHand OS 12.7	6.0 U3 (10719132)	7.8.4.168	2012
				6.5 U2 (10719125)	9.1.0.556	Not applicable
				6.7 U1 (11675023)		
1.4.6	Sep 2019	Hyper Converged 250 System for VMware vSphere®	LeftHand OS 12.8	6.0 U3 (10719132)	7.8.4.168	2012
				6.5 U2 (10719125)	9.1.0.556	Not applicable

Table Continued

Version history release	Release date	Supported platforms	StoreVirtual VSA with	HPE Custom Image for VMware vSphere	HPE OneView for VMware vCenter	Microsoft Windows Server
		ConvergedSystem 250- HC StoreVirtual System		6.5U3(13932383) 6.7 U1 (11675023) 6.7U2(13006603)	9.1.0.556	Not applicable

Websites

Website	Link
Hewlett Packard Enterprise Information Library	<u>www.hpe.com/info/enterprise/docs</u>
Hewlett Packard Enterprise Support Center	<u>www.hpe.com/support/hpesc</u>
Contact Hewlett Packard Enterprise Worldwide	<u>www.hpe.com/assistance</u>
Subscription Service/Support Alerts	<u>www.hpe.com/support/e-updates</u>
Software Depot	<u>www.hpe.com/support/softwaredepot</u>
Customer Self Repair	<u>www.hpe.com/support/selfrepair</u>
HPE Hyper Converged Systems software updates	<u>http://www.hpe.com/info/hcupdates</u>
Insight Remote Support documentation	<u>www.hpe.com/info/insightremotesupport/docs</u>
HPE StoreVirtual documentation	<u>www.hpe.com/support/StoreVirtualManuals</u>
HPE OneView for VMware vCenter documentation	<u>www.hpe.com/info/ovvcenter/docs</u>
HPE Converged System documentation	<u>http://www.hpe.com/info/hyperconverged-docs</u>

Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
<http://www.hpe.com/info/assistance>
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
<http://www.hpe.com/support/hpesc>

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.

- To download product updates:

Hewlett Packard Enterprise Support Center

www.hpe.com/support/hpesc

Hewlett Packard Enterprise Support Center: Software downloads

www.hpe.com/support/downloads

Software Depot


www.hpe.com/support/softwaredepot

- To subscribe to eNewsletters and alerts:

www.hpe.com/support/e-updates

- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:

www.hpe.com/support/AccessToSupportMaterials

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-  **IMPORTANT:** Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.
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Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

<http://www.hpe.com/support/selfrepair>

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information

HPE Get Connected

www.hpe.com/services/getconnected

HPE Proactive Care services

www.hpe.com/services/proactivecare

HPE Proactive Care service: Supported products list

www.hpe.com/services/proactivecaresupportedproducts

HPE Proactive Care advanced service: Supported products list

www.hpe.com/services/proactivecareadvancedsupportedproducts

Proactive Care customer information

Proactive Care central

www.hpe.com/services/proactivecarecentral

Proactive Care service activation

www.hpe.com/services/proactivecarecentralgetstarted

Warranty information

To view the warranty information for your product, see the links provided below:

HPE ProLiant and IA-32 Servers and Options

www.hpe.com/support/ProLiantServers-Warranties

HPE Enterprise and Cloudline Servers

www.hpe.com/support/EnterpriseServers-Warranties

HPE Storage Products

www.hpe.com/support/Storage-Warranties

HPE Networking Products

www.hpe.com/support/Networking-Warranties

Regulatory information

To view the regulatory information for your product, view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at the Hewlett Packard Enterprise Support Center:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

www.hpe.com/info/reach

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

www.hpe.com/info/ecodata

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

www.hpe.com/info/environment

Documentation feedback

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