



# **HPE SYNERGY AND HPE PROLIANT SERVERS FIRMWARE AND SOFTWARE COMPATIBILITY MATRIX FOR VMWARE CLOUD FOUNDATION 4.0.1**

November 2020

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## OVERVIEW

This document provides the hardware, firmware, and software versions that are validated in Hewlett Packard Enterprise lab for deploying VMware® Cloud Foundation™ (VCF) on HPE Synergy and HPE ProLiant Servers as part of the work carried out in November 2020. This document is intended for the people who want to install, administer, troubleshoot, or maintain the solution. To get such information, the readers are requested to contact your Hewlett Packard Enterprise Sales Representative. For assistance with automated deployment of HPE Synergy with VMware Cloud Foundation, contact your Hewlett Packard Enterprise Representative.

### Matrix compliance

Unless instructed by the Hewlett Packard Enterprise Customer Response Center in response to a support case, you do not need to update the software and firmware versions within the solution until the support window expires.

The software and firmware compatibility matrix are created using the HPE Synergy Software Release version along with the VMware Cloud Foundation 4.0.1 bill of materials (BOM).

After the management domain bring-up is complete, Hewlett Packard Enterprise recommends upgrading the VCF version to 4.0.1.1 before performing workload domain operations. VCF 4.0.1.1 contains patches to SDDC Manager and VMware vCenter Server Appliance. See the VCF 4.0.1 [Release Notes](#) for more information.

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### NOTE

Known issue with composability service exists on VCF 4.0.1. VCF must be upgraded to version 4.0.1.1 for the compose and decompose operations to function properly in SDDC Manager.

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### Upgrading solution components

Before updating any software or firmware versions, contact the Hewlett Packard Enterprise Customer Response Center. Applying any firmware or software updates that are newer than the compatibility matrix listing will change the solution support experience and must be accepted by the Hewlett Packard Enterprise Customer Response Center.

For customers who prefer Hewlett Packard Enterprise to perform updates and upgrades for their solution, Hewlett Packard Enterprise Technology Services Support offers a range of services to help maintain your solution.

### Hotfixes

Hewlett Packard Enterprise Customer Response Center will instruct you to apply specific hotfixes to address potential issues, if necessary. Hotfixes are supported as part of the support criteria for HPE Synergy. See [https://techhub.hpe.com/eginfolib/synergy/sw\\_release\\_info/VMware\\_Support.html](https://techhub.hpe.com/eginfolib/synergy/sw_release_info/VMware_Support.html) for more information.

For instructions on incorporating hotfixes into the HPE OneView firmware bundle, see **Upload hotfix and create a custom SPP** section in the [HPE OneView](#) online help.

### Advisories and bulletins

**Security:** Certain HPE Servers using Intel Processors with Server Platform Services (SPS), Local Escalation of Privilege and Denial of Service, see [Security Bulletin](#). Download SPS from the [HPE support](#) page.

**Security:** HPE Integrated Lights-Out 5 (iLO5), Ripple20 Multiple Vulnerabilities. Multiple security vulnerabilities have been identified in Integrated Lights-Out 5 (iLO5) firmware. The vulnerabilities could be remotely exploited to execute code, cause a denial of service, and expose sensitive information. Hewlett Packard Enterprise has released updated firmware to mitigate these vulnerabilities. See [Security Bulletin](#).

**Security:** A potential security vulnerability has been identified in GRUB2 called "BootHole". The vulnerability could be locally exploited to allow arbitrary code execution, see [Security Bulletin](#).

**Customer Advisory:** VMware - The Memory Sensor Status Reported in the vSphere Web Client is not accurate for HPE ProLiant Gen10 Servers running VMware ESXi 6.5/6.7/7.0 with HPE Integrated Lights-Out 5 (iLO 5) Firmware version 2.30, see [Customer Advisory](#).



**Customer Notice:** Announcing HPE Storage Integration Pack for VMware vCenter 10.0 and Updates on HPE Plugins Product Pages, see [Customer Notice](#).

### Solution software and firmware at-a-glance – HPE Synergy

Table 1 shows the HPE VCF solution software and firmware components for HPE Synergy.

**TABLE 1.** HPE VCF solution software and firmware at-a-glance

Component	Version
HPE Synergy Composer	5.40
HPE Synergy Composer2	5.40
HPE Custom Synergy SPP	Synergy_Custom_SPP_2020.07.02_Z7550-97031.iso
HPE OEM customized vSphere distribution 7.0 – HPE Synergy	VMware-ESXi-7.0.0-16324942-HPE-700.0.0.10.5.6.19-Aug2020-Synergy.iso (Build:16324942)
HPE Nimble OS	5.2.1.300
HPE 3PAR OS	3.3.1 MU5
HPE Primera OS	4.2
HPE SSMC	3.7.1.1
<b>Note:</b> Used with HPE Primera and HPE 3PAR	
HPE Recovery Manager Central (RMC)	6.3.4
<b>Note:</b> Used with HPE Primera, HPE 3PAR and HPE Nimble	
HPE Storage Integration Pack for VMware vCenter	10.1
VMware Cloud Foundation	4.0.1
	<b>Note:</b> Update VCF to 4.0.1.1 version
HPE B-series SAN Fabric OS (FOS)	8.2.2b
VMware vRealize® Orchestrator™	8.1

### Solution software and firmware at-a-glance – HPE ProLiant Servers

Table 2 shows the HPE VCF solution software and firmware components for HPE ProLiant DL Servers.

**TABLE 2.** HPE VCF solution software and firmware for HPE ProLiant DL Servers

Component	Version
HPE OneView (Virtual Appliance)	5.40 (HPE_ONEVIEW_5.40.00_ESXI_Z7550-96952.OVA)
HPE VMware Upgrade Pack (VUP)	1.1(A) (P35974_001_VUP11A-SPP-VUP11A.2020_0831.14.ISO)
<b>Note:</b> HPE VUP can be used as an SPP to install drivers and firmware on HPE ProLiant Servers	
HPE OEM Customized vSphere Distribution 7.0 – HPE ProLiant	VMware-ESXi-7.0.0-16324942-HPE-700.0.0.10.5.5.46-Jun2020.iso (Build:16324942)
HPE Nimble OS	5.2.1.300
HPE 3PAR OS	3.3.1 MU5
HPE Primera OS	4.2
HPE SSMC	3.7.1.1
<b>Note:</b> Used with HPE Primera and HPE 3PAR	
HPE Recovery Manager Central (RMC)	6.3.4
<b>Note:</b> Used with HPE Primera, HPE 3PAR, and HPE Nimble	
HPE Storage Integration Pack for VMware vCenter®	10.1
VMware Cloud Foundation	4.0.1
	Update to 4.0.1.1
HPE B-series SAN Fabric OS (FOS)	8.2.2b



Component	Version
VMware vRealize Orchestrator	8.1

### VMware Cloud Foundation 4.0.1 bill of materials

**NOTE**

For more information and detailed bill of materials (BOM) for VMware Cloud Foundation 4.0.1, see [Release Notes](#).

Table 3 shows the VMware Cloud Foundation 4.0.1 bill of materials.

**TABLE 3.** VMware Cloud Foundation 4.0.1 BOM

Component	Version
Cloud Builder VM	4.0.1.0 VMware-Cloud-Builder-4.0.1.0-16428904_OVF10.ova
SDDC Manager	4.0.1.0
SDDC Manager	4.0.1.1 ( Version after the VCF upgrade )
VMware vCenter Server®	7.0.0b(Build: 16386292)
VMware vCenter Server	7.0.0c(Build: 16620007) ( Version after the VCF upgrade)
VMware vSphere® 7.0 ESXi	ESXi 7.0b (Build: 16324942)
HPE OEM Customized vSphere Distribution 7.0 – HPE Synergy	VMware-ESXi-7.0.0-16324942-HPE-700.0.0.10.5.6.19-Aug2020-Synergy.iso (Build:16324942)
HPE OEM Customized vSphere Distribution 7.0 – HPE ProLiant	VMware-ESXi-7.0.0-16324942-HPE-700.0.0.10.5.5.46-Jun2020.iso (Build:16324942)
VMware vSAN™	7.0b
VMware NSX-T Data Center™	3.0.1
VMware vRealize® Suite Lifecycle Manager	8.1 Patch 1

- **Cloud Builder VM:** Cloud Builder VM file named `VMware-Cloud-Builder-4.0.1.0-16428904_OVF10.ova` will install SDDC Manager and all the above VMware components as part of the VMware Cloud Foundation setup.

Download [Cloud Builder VM](#).

- **HPE OEM Customized vSphere Distribution 7.0:** HPE OEM Customized vSphere Distribution 7.0 for HPE Synergy needs to be downloaded separately and is not part of Cloud Builder VM.

Download [Custom ISO HPE VMware images](#).

- **VMware Cloud Foundation 4.0.1 guides:** See [VMware Cloud Foundation 4.0.1 guides](#).



## HPE OneView Connectors and Storage Plug-ins

The following HPE OneView Connectors and Storage Plug-ins seamlessly integrate the manageability features of HPE Synergy into VMware Cloud Foundation environment.

Table 4 shows the versions of HPE OneView Connectors and Storage Plug-ins.

**TABLE 4.** HPE OneView Connectors and Storage Plug-in versions

HPE OneView Connector and Storage Plug-ins	Version
HPE OneView Connector for VCF (OneView Redfish Toolkit)	0.4.0
HPE OneView for VMware vRealize Orchestrator (vRO)	1.4
HPE OneView for VMware vRealize Operations™ (vROps)	2.4.1
HPE OneView for VMware vRealize Log Insight™ (vRLI)	2.0
HPE Storage Integration Pack for VMware vCenter (SIPVC) – Used with HPE Primera Storage and HPE 3PAR Storage	10.1
HPE OneView for VMware vCenter plug-in	10.1
HPE Storage Automation Pack for VMware vRealize Operations Manager™ <b>Note:</b> Supports HPE 3PAR and HPE Primera	3.7
HPE Storage Automation Pack for VMware vRealize Orchestrator <b>Note:</b> Supports HPE 3PAR and HPE Primera	2.3
HPE Storage content pack for VMware vRealize Log Insight	1.5
CentOS (Linux Management VMs)	8.2.2004

## Download links for HPE OneView Connectors and Storage Plug-ins

- HPE OneView connector for VMware Cloud Foundation (HPE OneView Redfish Toolkit), <https://github.com/HewlettPackard/oneview-redfish-toolkit/releases/tag/0.4.0>
- HPE OneView connectors and their guides for vRO, vROps, vRLI , <https://myenterpriselicence.hpe.com/cwp-ui/free-software/Z7500-63235>
- HPE Storage Integration Pack for VMware vCenter, <https://myenterpriselicence.hpe.com/cwp-ui/free-software/HPESIPVC>
- HPE Storage Management Pack for VMware vRealize Operations Manager, <https://myenterpriselicence.hpe.com/cwp-ui/free-software/HPEVROPS>
- HPE Storage Content Pack for VMware vRealize Log Insight, <https://myenterpriselicence.hpe.com/cwp-ui/free-software/HPEVLOG>
- HPE Storage Automation Pack for VMware vRealize Orchestrator, <https://myenterpriselicence.hpe.com/cwp-ui/free-software/HPEVRO>
- HPE OneView for VMware vCenter, <https://www.hpe.com/downloads/ovpartners> or <https://myenterpriselicence.hpe.com/cwp-ui/free-software/Z7500-63235>

## Recommended browsers

Hewlett Packard Enterprise recommends using the following browsers:

- Internet Explorer 11 and above
- Mozilla Firefox 59 and above
- Google Chrome 65 and above

## FIRMWARE REQUIREMENTS

### Firmware overview

HPE Synergy and HPE ProLiant Servers with HPE Primera, HPE Nimble, and HPE 3PAR on VMware Cloud Foundation 4.0.1 solution have been tested and configured with the firmware and drivers listed in the following matrices. HPE Synergy custom SPP is used for installing drivers and



firmware on HPE Synergy servers where as HPE VMware Upgrade Pack (VUP) is used for HPE ProLiant rack servers. The matrix listed in the documentation is tested for VCF 4.0.1 with HPE Synergy 480 Gen10, HPE Synergy 660 Gen10 servers, and HPE ProLiant DL360 and DL380 Gen10 Servers.

### HPE Synergy Software Release

HPE Synergy Software Releases are comprised of Synergy Management Bundles and Synergy Custom Bundles. Combinations of specific releases have been developed, tested, and released together.

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#### NOTE

See [HPE Synergy software releases](#) and [VMware OS support for HPE Synergy](#).

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### HPE Synergy Software Release access requirements

An active warranty or Hewlett Packard Enterprise support agreement is required to download the HPE Synergy software release. The access to the software release requires validation via the [Hewlett Packard Enterprise Support Center](#).

### HPE Synergy Software Release firmware and driver versions

Table 5 shows the HPE Synergy Software Release firmware versions for the infrastructure components.

**TABLE 5.** HPE Synergy Software Release firmware versions for infrastructure components

Components	Version
HPE Custom Synergy SPP	Synergy_Custom_SPP_2020.07.02_Z7550-97031.iso
System ROM HPE Synergy 480 Gen10	2.34
System ROM HPE Synergy 660 Gen10	2.34
HPE Integrated Lights-Out 5 (iLO5) (Gen10) <b>Note:</b> See the <a href="#">security bulletin</a> section affecting iLO5	2.18
Server Platform Services (SPS) (HPE Gen10 Servers) <b>Note:</b> See the <a href="#">security bulletin</a> section affecting SPS	4.01.04.381
HPE Smart Array Gen10 P204i-c SR <b>Note:</b> Used with local internal integrated RAID1 boot devices.	FW: 3.00 Driver: 1.0.4.3011-1(smartzpqj)
HPE Smart Array Gen10 P408i-c SR <b>Note:</b> Used with local internal integrated RAID1 boot devices.	FW: 3.00 Driver: 1.0.4.3011-1(smartzpqj)
HPE Smart Array Gen10 P416ie-m SR <b>Note:</b> Required for D3940 deployment.	FW: 3.00 Driver: 1.0.4.3011-1(smartzpqj)
HPE Synergy 3820C 20Gb CNA	FW: 7.18.56 Driver: 1.4.6.0(qfle3) Driver: 2.1.6.0(qfle3f) Driver: 2.1.2.0(qfle3i)
HPE Synergy 4820C 10/20/25Gb CNA	FW: 8.50.44 Driver: 3.40.19.0 (qedentv) Driver: 2.2.8.0 (qedf) Driver: 2.19.9.0 (qedi)
HPE Synergy 6820C 25/50Gb CNA	FW: 8.50.44 Driver: 3.40.19.0 (qedentv) Driver: 2.2.8.0 (qedf) Driver: 2.19.9.0 (qedi)
HPE Synergy 3830C 16Gb FC HBA <b>Note:</b> Optional component with FC deployment.	FW: 8.08.230 Driver: 4.1.9.0 (qlnativefc)
HPE Synergy 5830C 32Gb FC HBA	FW: 8.08.230



Components	Version
<b>Note:</b> Optional component with FC deployment.	Driver: 4.1.9.0.(qlnativefc)
HPE VC SE 40Gb F8 Module	1.6.1.1002
HPE VC SE 100Gb F32 Module	2.1.1.1003
HPE VC SE 16Gb FC Module	5.20.82
<b>Note:</b> Optional component with FC deployment.	
HPE VC SE 32Gb FC Module	5.20.82
<b>Note:</b> Optional component with FC deployment.	
HPE Synergy 20Gb Interconnect Link Module	1.18
HPE Synergy 50Gb Interconnect Link Module	1.0.0.1002
HPE Synergy 12Gb SAS Connection Module	1.5.310.0
<b>Note:</b> Required for D3940 deployment.	
HPE Synergy D3940 Storage Module	4.67
HPE Synergy Frame Link Module	3.02.01
Intelligent Provisioning (Gen10)	3.46
<b>Note:</b> See the <a href="#">security bulletin</a> section affecting Intelligent Provisioning	
Integrated Smart Update Tools (iSUT)	2.5.6
vSphere 7.0	cp043708.zip

### HPE VMware Upgrade Pack (VUP) access requirements

The HPE VUP 1.1(A) can be downloaded from the [HPE VUP](#) download page which requires HPE Passport login.

#### NOTE

See the [Release Notes](#) about VUP for more information and [Software delivery repository](#) for HPE ProLiant servers.

### HPE ProLiant Software Release (VUP) firmware and driver versions

Table 6 shows the HPE ProLiant Software Release firmware versions for the infrastructure components.

**TABLE 6.** HPE ProLiant Software Release firmware versions for infrastructure components

Components	Version
HPE VMware Upgrade Pack ( VUP )	1.1(A) (P35974_001_VUP11A-SPP-VUP11A.2020_0831.14.ISO)
<b>Note:</b> HPE VUP is used to install drivers and firmware on HPE ProLiant Servers	
System ROM HPE ProLiant DL360 Gen10	2.32
HPE Integrated Lights-Out 5 (iLO5) (Gen10)	2.15
<b>Note:</b> See the <a href="#">security bulletin</a> section affecting iLO5	
Server Platform Services (SPS) (HPE Gen10 Servers)	4.01.04.381
<b>Note:</b> See the <a href="#">security bulletin</a> section affecting SPS	
HPE Smart Array Gen10 P408i-a SR Gen10 controller	FW: 3.00 Driver: 1.0.4.3011
Intelligent Provisioning (Gen10)	3.46
<b>Note:</b> See the <a href="#">security bulletin</a> section affecting Intelligent Provisioning	
Integrated Smart Update Tools (iSUT)	2.5.6
vSphere 7.0	cp043708.zip
HPE Ethernet 1Gb 4-port 366FLR Adapter	FW: 1.2529.0 Driver: 1.4.11.0 (igbn)





Components	Version
HPE Ethernet 10/25Gb 2-port 631 SFP28 Adapter	FW: 214.0.286015
HPE Ethernet 10Gb 2-port 535FLR	Driver: 216.0.50 (bnxtnet)
HPE Ethernet 10Gb 2-port 537SFP+ Adapter	<b>Note:</b> Only for vSphere 7.0/VCF 4.0.1

### Infrastructure firmware versions

The following firmware versions are not contained in the Service Pack for HPE ProLiant (SPP) or the HPE Synergy Software Release and must be downloaded separately to a local repository. Firmware update procedures for these components are included in the respective component documentation.

Table 7 shows the Infrastructure firmware components.

**TABLE 7.** Infrastructure firmware versions

Component	Version
HPE FlexFabric 5900 Switch (JG510A)	5900AF-5920AF_7.10R2432P06
HPE FlexFabric 5945 Switch (JH397A)	5945_7.10.R6555P01
Aruba 6300M Switch ( JL661A )	10.06
Aruba 8325 Switch ( JL624A )	10.06
HPE SN B-Series Fibre Channel Switch (SN6600B)	8.2.2b
HPE G2 Metered and Switches PDUs	2.0.0.D

### HPE 3PAR

The supported version of the HPE 3PAR operating system and associated software is dependent on the operating systems and hypervisors installed on the hardware.

#### HPE 3PAR operating system and service processor

Hewlett Packard Enterprise policy regarding customer entitlement to HPE 3PAR software updates and installation of the updates is that customers must maintain an active Hewlett Packard Enterprise Support Contract to be entitled to new software versions; this includes new versions of the HPE 3PAR OS, MU releases, and patches.

Hewlett Packard Enterprise highly recommends that you review the documentation thoroughly and understand all upgrade instructions prior to conducting the upgrade. For more information, see the [HPE 3PAR customer self-update instructions](#) on the Hewlett Packard Enterprise Support Center.

The customer self-upgrade is optional. After reviewing all instructions, if you are not confident in upgrading, contact your service provider for installation.

#### HPE 3PAR software versions

Table 8 shows the HPE 3PAR software components.

**TABLE 8.** HPE 3PAR software versions

Components	Version
HPE 3PAR OS	3.3.1(MU5)+P123+P125+P126 CLI Server: 3.3.1.663 (P125) System Manager: 3.3.1.650 (P123) Kernel: 3.3.1.648 (MU5) TPD Kernel Code: 3.3.1.648 (MU5)
HPE 3PAR Virtual/Physical Service Processor	5.0.7.1 (all patches)



Components	Version
HPE 3PAR StoreServ Management Console (SSMC)	SSMC 3.7.1.1
HPE 3PAR CLI	3.3.1 MU5
HPE 3PAR SNMP Agent	1.14.0

### HPE Nimble software versions

Table 9 shows the HPE Nimble software components.

**TABLE 9.** HPE Nimble software versions

Components	Version
HPE Nimble OS	5.2.1.300
HPE Nimble Connection Manager (NCM) for VMware	7.0.0 (nimble-ncm-for-esx7.0-7.0.0-700012))
HPE Nimble Windows Toolkit	7.0.2 (Setup-NimbleNWT-x64.7.0.2.56.zip)
Management Plugin for vCenter	vCenter 7.0

### HPE Primera software versions

Table 10 shows the HPE Primera software components.

**TABLE 10.** HPE Primera software versions

Components	Version
HPE Primera OS	4.2
HPE Primera Discovery Tool	1.0.1
HPE 3PAR StoreServ Management Console (SSMC)	SSMC 3.7.1.1

### HPE OneView software versions

Table 11 shows the HPE OneView software components.

**TABLE 11.** HPE OneView software versions

Components	Version
HPE OneView Synergy Composer	5.40
HPE OneView (Virtual Appliance)	5.40
HPE OneView Global Dashboard	2.10
HPE B-series SAN Fabric OS (FOS)	8.2.2b
Java® Runtime Environment (for HPE B-series SAN Network Advisor)	1.8u112

### VMware Support and Subscription (SnS) contract

A valid and active VMware Support and Subscription (SnS) contract entitles you to all major software version licenses from VMware, which become available during your service entitlement period.

For example, if you are running vSphere 6.5 and have a valid SnS in place when vSphere V7 is released, VMware will deposit a vSphere V7 license into your My VMware portal area. You can choose to pull the vSphere 7 software and load it with your new V7 license, or you can continue to run vSphere V6.5 software using the V6.5 license as long as it is supported by VMware.



If you permit your SnS to lapse and decide to pull and run a new major software version, when it becomes available, you must renew your service contract and pay for the back time you did not maintain a service contract, and for one additional year. This renewal process will put your SnS back into compliance and you will be entitled to the new major version license.

For more information, see the [VMware support](#) website.

## URLS FOR FIRMWARE, SOFTWARE, AND DOCUMENTATION

### Rack and power links

- HPE G2 Metered and Switches Power Distribution Unit, <https://www.hpe.com/us/en/product-catalog/servers/power-distribution-units/pip.power-distribution-units.1009830118.html>
- HPE Rack and Power Infrastructure, <https://www.hpe.com/us/en/integrated-systems/rack-power-cooling.html>

### Network links

- Networking documentation page, <http://h17007.www1.hpe.com/us/en/networking/library/index.aspx>
- HPE 5900 series switch (JG510A), <https://h10145.www1.hpe.com/downloads/SoftwareReleases.aspx?ProductNumber=JG510A>
- HPE FlexFabric 5945 Switch (JQ077A), <https://h10145.www1.hpe.com/downloads/SoftwareReleases.aspx?ProductNumber=JQ077A>
- Aruba 6300 Switch documentation page, <https://h20195.www2.hpe.com/v2/default.aspx?cc=ie&lc=en&oid=1012138130>
- Aruba 8325 Switch documentation page, [https://support.hpe.com/hpesc/public/docDisplay?docLocale=en\\_US&docId=a00065472en\\_us](https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=a00065472en_us)

### Storage links

- HPE SN6600B fibre channel switches, <https://www.hpe.com/us/en/product-catalog/storage/storage-switches/pip.hpe-storefabric-sn6600b-fibre-channel-switch.1009472119.html>
- HPE 3PAR StoreServ 8000 Storage, <https://www.hpe.com/us/en/product-catalog/storage/disk-storage/pip.hpe-3par-storeserv-8000-storage.8737813.html>
- HPE 3PAR StoreServ 9000 Storage, <https://buy.hpe.com/us/en/storage/disk-storage-systems/3par-storeserv-storage/3par-storeserv-storage/hpe-3par-storeserv-9000-storage/p/1009949091>
- HPE Primera 600 Storage, <https://buy.hpe.com/us/en/storage/disk-storage-systems/primera-storage/primera-storage/hpe-primera-600-storage/p/1011657880.storage.8737813.html>
- HPE Nimble Storage, <https://www.hpe.com/us/en/storage/nimble.html>
- Single Point of Connectivity Knowledge (SPOCK), <http://www.hpe.com/storage/spock>

### Servers links

- HPE Synergy, <https://www.hpe.com/us/en/integrated-systems/synergy.html>
- HPE Synergy Composer, <https://www.hpe.com/us/en/product-catalog/synergy/synergy-management.hits-12.html>
- HPE ProLiant DL servers, <https://www.hpe.com/us/en/servers/proliant-dl-servers.html>
- HPE Synergy 480 Gen10, <https://www.hpe.com/us/en/product-catalog/synergy/synergy-compute/pip.hpe-synergy-480-gen10-compute-module.1010025863.html>
- HPE Synergy 660 Gen10, <https://www.hpe.com/us/en/product-catalog/synergy/synergy-compute/pip.hpe-synergy-660-gen10-compute-module.1010025844.html>
- HPE Synergy D3940, <https://www.hpe.com/us/en/product-catalog/synergy/synergy-storage/pip.hpe-synergy-d3940-storage-module.1008615217.html>
- HPE Synergy Fabric, <https://www.hpe.com/us/en/product-catalog/synergy/synergy-fabric.hits-12.html>
- HPE Synergy Software Release, [https://myenterpriselicence.hpe.com/cwp-ui/free-software/synergy\\_rs\\_00.00](https://myenterpriselicence.hpe.com/cwp-ui/free-software/synergy_rs_00.00)



- HPE Information Library, <https://techlibrary.hpe.com/us/en/enterprise/servers/solutions/info-library/index.aspx>
- SPP Documentation, <http://www.hpe.com/info/spp/documentation>

## Software links

- HPE Synergy Software release, [https://techhub.hpe.com/us/en/enterprise/docs/index.aspx?doc=/eginfolib/synergy/sw\\_release\\_info/index.html](https://techhub.hpe.com/us/en/enterprise/docs/index.aspx?doc=/eginfolib/synergy/sw_release_info/index.html)
- HPE Primera, [https://h20272.www2.hpe.com/SPOCK/Pages/spock2Html.aspx?htmlFile=sw\\_array\\_primera.html](https://h20272.www2.hpe.com/SPOCK/Pages/spock2Html.aspx?htmlFile=sw_array_primera.html)
- HPE 3PAR, [https://h20272.www2.hpe.com/spock/Pages/spock2HTML.aspx?htmlFile=sw\\_array\\_3par.html](https://h20272.www2.hpe.com/spock/Pages/spock2HTML.aspx?htmlFile=sw_array_3par.html)
  - Documentation, <http://www.hpe.com/info/storage/docs>
- HPE B-series SAN Network Advisor, <http://h20565.www2.hpe.com/hpsc/swd/public/readIndex?sp4ts.oid=5401278>
- HPE OneView
  - Software, <https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX-af7c24b0f3e54faf818e4c57d1>
  - License Portal, [https://myenterpriselicense.hpe.com/cwp-ui/free-software/synergy\\_rs\\_00.00](https://myenterpriselicense.hpe.com/cwp-ui/free-software/synergy_rs_00.00)
  - Documentation, <http://www.hpe.com/info/oneview/docs>
- HPE OneView Partner Integrations, <http://www.hpe.com/info/ovpartners>
- HPE OneView Update Readiness Checker, <https://www.hpe.com/support/ov-urc>
- HPE Recovery Manager Central (RMC)
  - Software, <https://myenterpriselicense.hpe.com/cwp-ui/free-software/HPERMC>
  - Product Information, <http://www.hpe.com/storage/rmc/docs>
- HPE VMware OEM Software Delivery Repository, <http://vibsdepot.hpe.com>
- HPE OEM customized VMware image downloads, <https://www.hpe.com/us/en/servers/hpe-esxi.html>
- VMware links
  - VMware vRealize Orchestrator 8.1, <https://docs.vmware.com/en/vRealize-Orchestrator/8.1/com.vmware.vrealize.orchestrator-install-config.doc/GUID-64F03876-2EAB-4DB3-A95D-89842425FF7A.html>
  - VMware Cloud Foundation v4.0.1  
<https://my.vmware.com/group/vmware/downloads/details?downloadGroup=VCF401&productId=1015&rPId=48125>
  - VMware product patch find by release name, <https://www.vmware.com/patchmgr/findPatchByReleaseName.portal>

## 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 products service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

For more information and device support details, see the [Insight Remote Support](#) website.



## **RESOURCES AND ADDITIONAL LINKS**

HPE Enterprise Support, <https://www.hpe.com/in/en/contact-hpe.html>

Hewlett Packard Enterprise Information Library, <http://h17007.www1.hpe.com/us/en/enterprise/servers/solutions/info-library/index.aspx>

HPE Reference Architectures, <https://h17007.www1.hpe.com/us/en/enterprise/reference-architecture/info-library/index.aspx>

HPE Servers, [hpe.com/servers](http://hpe.com/servers)

HPE Storage, [hpe.com/storage](http://hpe.com/storage)

HPE Networking, [hpe.com/networking](http://hpe.com/networking)

HPE Technology Consulting Services, [hpe.com/us/en/services/consulting.html](http://hpe.com/us/en/services/consulting.html)

To help us improve our documents, please provide feedback at [hpe.com/contact/feedback](http://hpe.com/contact/feedback).

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