



HPE Firmware and Software Compatibility Matrix for VMware Cloud Foundation 4.5.1 on HPE ProLiant Gen10 Plus servers

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OVERVIEW

This document provides the hardware, firmware, and software versions that are validated in the Hewlett Packard Enterprise lab for deploying VMware® Cloud Foundation™ (the solution) 4.5.1 on HPE ProLiant DL servers as part of the work carried out in July 2023. This document is intended to be useful for persons who install, administer, troubleshoot, or maintain the solution.

NOTE

This document references validation that took place at a point in time. This is not the complete list of supported components. There can be additional hardware components, firmware, and software versions that may be compatible to deploy the solution on HPE Servers.

To get such information, the readers are requested to contact your Hewlett Packard Enterprise Sales Representative. For assistance with the automated deployment of HPE Servers with VMware Cloud Foundation, contact your Hewlett Packard Enterprise representative.

MATRIX COMPLIANCE

Without instruction from 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 is created by using multiple compatibility matrices from the HPE product portfolio along with the VMware Cloud Foundation 4.5.1 bill of materials (BOM).

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 and maintain your solution.

HOTFIXES

Hewlett Packard Enterprise Customer Response Center will instruct you to apply specific hotfixes to address potential issues on HPE ProLiant DL Servers which are supported in conjunction with this matrix document, if necessary.

HPE VMware operating system support page for HPE ProLiant servers

The HPE VMware ESXi repository for VMware ESXi on HPE ProLiant DL servers is available at <http://vibsdepot.hpe.com/>.

The valid vLCM combination document mapping the HPE custom OEM image, HPE vendor add-on and Service Pack for ProLiant can be found at <https://vibsdepot.hpe.com/customimages/Valid-vLCM-Combos.pdf>

Service Pack for ProLiant

https://techlibrary.hpe.com/us/en/enterprise/servers/products/service_pack/spp/index.aspx

SOLUTION SOFTWARE AND FIRMWARE AT-A-GLANCE – HPE PROLIANT GEN10 PLUS SERVERS

Table 1 shows the software and firmware components for HPE ProLiant Gen10 Plus servers.

TABLE 1. Software and firmware components for HPE ProLiant DL Gen10 Plus servers

Component	Version
HPE OneView (Virtual Appliance)	8.10.00 (HPE_OneView_8.10.00_ESXi_Z7550-97491.ova)
HPE Service Pack for ProLiant (SPP) for Gen10 Plus server	P62619_001_gen10spp-2023.03.00.00-SPP2023030000.2023_0323.27.iso
VMware vSphere® 7.0	ESXi 7.0 Update 3I (Build: 21424296)



Component	Version
VMware Cloud Foundation	4.5.1
Aruba 6300M Switch (R9F63A)	10.10.1030 {ArubaOS-CX_6400-6300_10_10_1030.swi}
Aruba CX 8325 Switch (R9F67A)	10.10.1030 {ArubaOS-CX_8325_10_10_1030.swi}

VMWARE CLOUD FOUNDATION BILL OF MATERIALS

Table 2 shows the VMware Cloud Foundation 4.5.1 bill of materials (BOM).

TABLE 2. VMware Cloud Foundation 4.5.1 BOM

Component	Version
Cloud Builder VM	4.5.1 (Build: 21682411)
SDDC Manager	4.5.1 (Build: 21682411)
VMware vCenter Server®	Update 3I (Build: 21477706)
VMware ESXi	7.0 Update 3I (Build: 21424296)
VMware vSAN™	7.0 Update 3I
VMware NSX-T® Data Center	3.2.2.1
VMware vRealize® Suite Lifecycle Manager	8.8.2

NOTE

For more information and a detailed BOM for VMware Cloud Foundation 4.5.1, see the release notes at <https://docs.vmware.com/en/VMware-Cloud-Foundation/4.5.1/rn/vmware-cloud-foundation-451-release-notes/index.html>.

1. **Cloud Builder VM:** Cloud Builder VM will install SDDC Manager and all the above VMware components as part of the VMware Cloud Foundation setup.

Download the Cloud Builder VM from, <https://customerconnect.vmware.com/downloads/details?downloadGroup=VCF451&productId=1352&rPid=109067>.

2. **VMware Cloud Foundation 4.5.1 guides:** For VMware Cloud Foundation 4.5.1 guides, refer to <https://docs.vmware.com/en/VMware-Cloud-Foundation/>.

HPE ONEVIEW CONNECTORS AND STORAGE PLUG-INS

The following HPE OneView Connector seamlessly integrate the manageability features of HPE ProLiant DL servers into the VMware Cloud Foundation environment.

Table 3 shows the versions of HPE OneView Connectors.

TABLE 3. HPE OneView Connector versions

HPE OneView Connector	Version
HPE OneView for VMware vCenter (OV4VC) plug-in	11.3

DOWNLOAD LINKS FOR HPE ONEVIEW CONNECTORS AND STORAGE PLUG-INS

HPE OneView Plugins for VMware and Microsoft, https://myenterpriselicence.hpe.com/cwp-ui/product-download-info/Z7500-63235/-/sw_free?&



RECOMMENDED BROWSERS

Hewlett Packard Enterprise recommends using the following browsers:

- Google Chrome
- Mozilla Firefox
- Microsoft Edge

FIRMWARE OVERVIEW

VMware Cloud Foundation on HPE ProLiant DL servers have been tested and configured with the firmware and drivers listed in the following matrices. HPE Service Pack for ProLiant (SPP) is used for installing drivers and firmware on HPE ProLiant rack servers. The matrix listed in the documentation is tested for the solution on HPE ProLiant DL 325 & DL380 Gen10 Plus servers.

HPE SERVICE PACK FOR PROLIANT ACCESS REQUIREMENTS

The HPE Service Pack for ProLiant (SPP) can be downloaded from the [HPE Support Center \(HPESC\)](#) which requires an HPE password login.

NOTE

For more information on SPP, see the [Release Notes](#) and refer to the link <http://vibsdepot.hpe.com> for the software delivery repository for HPE ProLiant DL servers.

HPE SERVICE PACK FOR PROLIANT FIRMWARE AND DRIVER VERSIONS

Table 4 shows the HPE ProLiant Gen10 Plus servers Software Release firmware versions for the infrastructure components.

INFRASTRUCTURE FIRMWARE VERSIONS

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

Table 4 shows the Infrastructure firmware components and versions.

TABLE 4. HPE ProLiant software release firmware versions for infrastructure components

Component	Version
Base Image for ESXi 7.0U3I	VMware-ESXi-7.0.3-21424296-HPE-703.0.0.11.3.0.5-Apr2023.iso
HPE Add-ons	VMware-ESXi-7.0.3-21424296-HPE-703.0.0.11.3.0.5-Apr2023-depot.zip
SPP for Gen10 and Gen10 Plus server	Version: 2023.03.00 P62619_001_gen10spp-2023.03.00.00-SPP2023030000.2023_0323.27.iso
System ROM HPE ProLiant DL325 Gen10 Plus (A43)	2.68
System ROM HPE ProLiant DL380 Gen10 Plus (U46)	1.72
HPE Integrated Lights-Out 5 (iLO5) (Gen10 Plus)	2.81
Server Platform Services (SPS) (HPE Gen10 Plus Servers)	04.04.04.300
HPE MR216i-a Gen10+	7.722.02.00 (lsi_mr3)
HPE MR216i-p Gen10+	7.722.02.00 (lsi_mr3)
Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	4.22.73.1004 (nmlx5)
Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	4.22.73.1004 (nmlx5)
Intelligent Provisioning (Gen10 Plus)	3.85
Integrated Smart Update Tools (iSUT)	2023.03.0
ESXi 7.0	cp054907.zip



NOTE

Intelligent Provisioning is not part of the SPP. It is an additional software package and is installed individually.

TABLE 5. Infrastructure firmware components and versions

Component	Version
Aruba 6300M Switch (R9F63A)	10.10.1030 {ArubaOS-CX_6400-6300_10_10_1030.swi}
Aruba CX 8325 Switch (R9F67A)	10.10.1030 {ArubaOS-CX_8325_10_10_1030.swi}
Aruba Fabric Composer	6.4.2 {ArubaFabricComposer-6.4.2-12468.iso}
HPE G2 Metered and Switches PDUs	2.0.0.N

VMWARE SUPPORT AND SUBSCRIPTION 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 7 is released, VMware will deposit a vSphere 7 license into your My VMware portal area. You can pull the vSphere 7 software and load it with your new vSphere 7 license, or you can continue to run vSphere 6.5 software using the vSphere 6.5 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 <http://www.vmware.com/support.html>.

URLS FOR FIRMWARE, SOFTWARE, AND DOCUMENTATION

Rack and power links

- HPE G2 Metered and Switched Power Distribution Unit, https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=a00002910enw
- HPE Rack and Power Infrastructure, <https://www.hpe.com/us/en/integrated-systems/rack-power-cooling.html>

Network links

- Networking documentation page, <https://asp.arubanetworks.com/>
- Aruba 6300 Switch documentation page, https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=a00092150en_us
- Aruba 8325 Switch documentation page, https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=a00065472en_us

Servers links

HPE ProLiant DL servers, <https://www.hpe.com/us/en/servers/proliant-dl-servers.html>

Software links

- HPE OneView
 - Software <https://myenterpriselicense.hpe.com/cwp-ui/software>
 - Documentation <http://www.hpe.com/info/oneview/docs>
- HPE OneView Partner Integrations, https://myenterpriselicense.hpe.com/cwp-ui/product-details/Z7500-63235/-/sw_free



- HPE OneView Update Readiness Checker, https://support.hpe.com/connect/s/software/details?softwareId=MTX_d2ddcc7ea23e41678e364f0a3c&language=en_US
- 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

- Download VMware Cloud Foundation 4.5.1, <https://customerconnect.vmware.com/downloads/details?downloadGroup=VCF451&productId=1352&rPId=109067>
- VMware product patch finds by release name, <https://my.vmware.com/group/vmware/patch#search>

REMOTE SUPPORT

Remote support is available with supported devices as a 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.

For more information and device support details, go to the Insight Remote Support website at <https://www.hpe.com/in/en/services/remote-it-support.html>



RESOURCES AND ADDITIONAL LINKS

HPE Enterprise Support Center, https://support.hpe.com/connect/s/?language=en_US

HPE Reference Architectures, <https://www.hpe.com/docs/reference-architecture>

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

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

HPE Networking, <http://www.hpe.com/networking>

HPE Technology Consulting Services, <https://www.hpe.com/us/en/services/consulting.html>

To help us improve our documents, please provide feedback at https://www.hpe.com/live/index_e.aspx?qid=17732

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