HPE Synergy Firmware and Software Compatibility Matrix for VMware Cloud Foundation 5.0

CONTENTS

OVERVIEW

This document provides the hardware, firmware, and software versions that are validated in Hewlett Packard Enterprise lab for deploying VMware® Cloud Foundation™ on HPE Synergy as part of the work carried out in September 2023. This document is intended to be useful for the people 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. Please note there can be additional hardware components, firmware, and software versions that may work fine to deploy VMware Cloud Foundation on HPE Synergy.

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 5.0 bill of materials (BOM).

UPGRADE THE 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
https://techhub.hpe.com/us/en/enterprise/docs/index.aspx?doc=/eginfolib/synergy/sw_release_info/OS_Support.html

SOLUTION SOFTWARE AND FIRMWARE AT-A-GLANCE – HPE SYNERGY

Table 1 shows the HPE VMware Cloud Foundation solution software and firmware components for HPE Synergy.

TABLE 1. HPE VMware Cloud Foundation solution software and firmware at-a-glance

Component	Version
HPE Synergy Composer2	8.50.00
HPE Custom Synergy SPP	Synergy_Service_Pack_SSP_2023.08.02_Z7550-97650.iso
HPE OEM customized vSphere distribution 8.0 – HPE Synergy	VMware-ESXi-8.0.1-21813344-HPE-801.0.0.11.3.5.11-Aug2023-Synergy.iso (Build: 21813344)
VMware Cloud Foundation	5.0
HPE Aruba 6300M Switch (R9F63A)	10.11.1021 {ArubaOS-CX_6400-6300_10_11_1021.swi}
HPE Aruba CX 8325 Switch (R9F67A)	10.11.1021 {ArubaOS-CX_8325_10_11_1021.swi}

VMWARE CLOUD FOUNDATION 5.0 BILL OF MATERIALS

TABLE 2. VMware Cloud Foundation 5.0 BOM

Component	Version
Cloud Builder VM	5.0 (Build: 21822418)
SDDC Manager	5.0 (Build: 21822418)
VMware vCenter Server®	8.0 Update 1a (Build: 21815093)
VMware ESXi	8.0 Update 1a (Build: 21813344)
VMware vSAN™	8.0 U1a (Build: 21813344)
VMware NSX-T® Data Center	4.1.0.2 (Build: 21761691)
VMware vRealize® Suite Lifecycle Manager	8.10 Patch 1 (Build: 21331275)

NOTE

For more information and a detailed BOM for VMware Cloud Foundation 5.0, refer to the release notes at https://docs.vmware.com/en/VMware-Cloud-Foundation/5.0/rn/vmware-cloud-foundation-50-release-notes/index.html.

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

  Download the VMware Cloud Builder VM from https://customerconnect.vmware.com/downloads/details?downloadGroup=VCF500&productId=1429&rPId=105828.

- **VMware Cloud Foundation 5.0 guides:** For VMware Cloud Foundation 5.0 guides, refer to https://docs.vmware.com/en/VMware-Cloud-Foundation/.

HPE ONEVIEW CONNECTORS AND STORAGE PLUGINS

The following HPE OneView connectors and HPE Storage Plugins seamlessly integrate the manageability features of HPE Synergy into the VMware Cloud Foundation environment.

TABLE 3. HPE OneView connector versions

HPE OneView Connector and Storage plugins	Version
HPE OneView for VMware vCenter (OV4VC) plugin	11.4

Download links for HPE OneView Connectors

HPE OneView Plugins for VMware and Microsoft https://myenterpriselicense.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

HPE Synergy on VMware Cloud Foundation 5.0 solution has been tested and configured with the firmware and drivers listed in the following matrices. HPE Synergy custom Service Pack for ProLiant (SPP) is used for installing drivers and firmware on HPE Synergy servers. The matrix listed in the documentation is tested for VMware Cloud Foundation 5.0 with HPE Synergy 480 Gen10.

HPE Synergy software release

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

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 at http://www.hpe.com/info/hpesc.

HPE SYNERGY SOFTWARE RELEASE FIRMWARE AND DRIVER VERSIONS

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

Components	Version
HPE Custom Synergy SSP	Synergy_Service_Pack_SSP_2023.08.02_Z7550-97650.iso
System ROM HPE Synergy 480 Gen10	2.80
HPE Integrated Lights-Out 5 (iLO5) (Gen10)	2.90
Server Platform Services (SPS) (HPE Gen10 Servers)	04.01.04.901
HPE Smart Array Gen10 P204i-c SR **Note:** Used with local internal integrated RAID1 boot devices.	FW: 5.61 Driver: 80.4385.0.200 (smartpqi)
HPE Smart Array Gen10 P416ie-m SR **Note:** Required for D3940 deployment.	FW: 5.61 Driver: 80.4385.0.200 (smartpqi)
HPE Synergy 5830C 32Gb FC HBA **Note:** Optional component with FC deployment.	FW: 02.01.03 Driver: 5.4.81.2 (qlnativefc)
HPE Synergy 4820C 10/20/25Gb CAN	FW: 8.65.8
HPE VC SE 40Gb F8 Module	1.9.2.1001
HPE VC SE 100Gb F32 Module	2.6.0.1001
HPE VC SE 16Gb FC Module **Note:** Optional component with FC deployment	5.70.167
HPE VC SE 32Gb FC Module **Note:** Optional component with FC deployment	5.70.167
HPE Synergy 20Gb Interconnect Link Module	1.18
HPE Synergy 50Gb Interconnect Link Module	1.2.0.1001
HPE Synergy 12Gb SAS Connection Module **Note**: Required for D3940 deployment	1.5.601.0
HPE Synergy D3940 Storage Module	5.52
HPE Synergy Frame Link Module	4.02.00
Intelligent Provisioning (Gen10)	3.40.192
Integrated Smart Update Tools (iSUT) vSphere 8.0	2023.05.0 (v4.2.0) cp056498.zip

INFRASTRUCTURE FIRMWARE VERSIONS

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

TABLE 5. Infrastructure firmware versions

Component	Version
HPE Aruba 6300M Switch (R9F63A)	10.11.1021 {ArubaOS-CX_6400-6300_10_11_1021.swi}
HPE Aruba CX 8325 Switch (R9F67A)	10.11.1021 {ArubaOS-CX_8325_10_11_1021.swi}

Component	Version
HPE 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 7 license, or you can continue to run vSphere V6.5 software using the 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 at 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/

- HPE Aruba 6300 Switch documentation page, https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=a00092150en_us

- HPE Aruba 8325 Switch documentation page, https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=a00065472en_us

Server 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 Synergy 480 Gen11 Compute Module, https://buy.hpe.com/us/en/synergy/synergy-compute/synergy-compute-modules/synergy-compute-modules/hpe-synergy-480-gen11-compute-module/p/1014705721

- HPE Synergy D3940 Storage Module, 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://myenterpriselicense.hpe.com/cwp-ui/free-software/synergy_rs_00.00

Software links

- HPE Synergy software release, https://techhub.hpe.com/us/en/enterprise/docs/index.aspx?doc=/eginfolib/synergy/sw_release_info/index.html

- HPE OneView

  – Software, https://support.hpe.com/hpesc/public/swd/detail?swItemId=MTX-da9660a9dfcc4f67986e3bb6e5

  – License Portal, https://myenterpriselicense.hpe.com/cwp-ui/free-software/synergy_rs_00.00

- – HPE OneView 8.5 User Guide for HPE Synergy,
  https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=sd00002977en_us

- – HPE OneView 8.5 Release Notes for HPE Synergy,
  https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=sd00003062en_us

- HPE OneView Partner Integrations, http://www.hpe.com/info/ovpartners

- HPE OneView Update Readiness Checker, https://www.hpe.com/support/ov-urc

- 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 Cloud Foundation 5.0,
  https://customerconnect.vmware.com/downloads/details?downloadGroup=VCF451&productId=1352&rPId=105401

- VMware product patch find by release name, https://my.vmware.com/group/vmware/patch#search

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.

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

HPE Storage, 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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