

HPE Recommended VMware LifeCycle Manager Desired Image Definitions

VMware LifeCycle Manager (vLCM) introduces the concept of a Desired Image, which is a precise description of OS release, software, drivers and firmware. The Desired Image is defined using a VMware Base Image, Vendor AddOn, Vendor Hardware Support Pack (HSP) and additional software/driver components. vLCM support of a Vendor HSP requires installation of a Vendor vLCM Hardware Support Manager (HSM) plug-in.

This document contains HPE recommendations to define the vLCM Desired Image for HPE ProLiant Gen10 and newer servers running ESXi 7.0 or newer.

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:

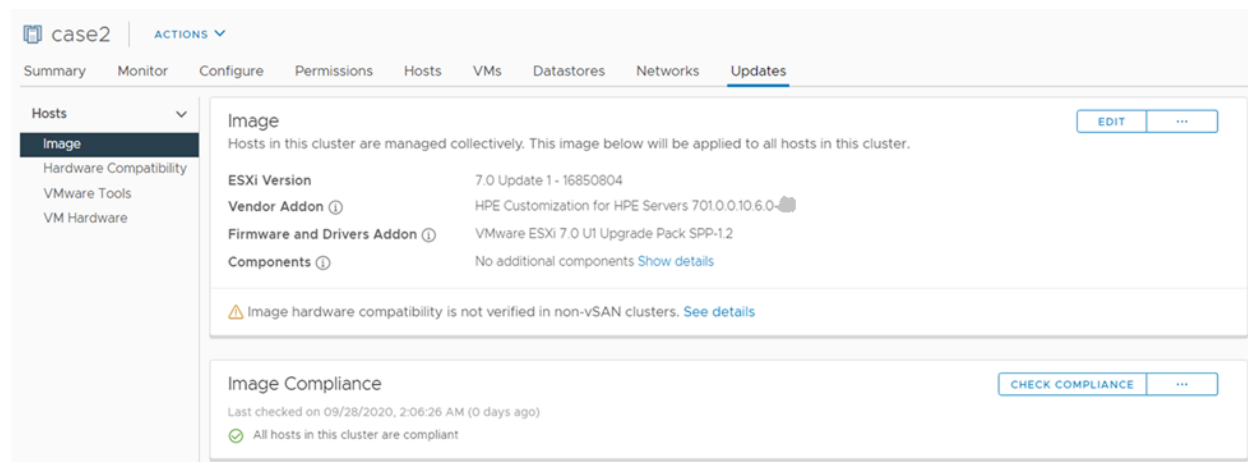
- [HPE Synergy Software Releases – Overview](#)

HPE vLCM HSM plug-ins support the Support Pack for ProLiant (SPP) and VMware Upgrade Pack (VUP) as the vLCM HSP.

vLCM support for the use of the SPP or VUP requires installation of an HPE vLCM Hardware Support Manager (HSM) plug-in. See below for more information about the HPE vLCM HSM Plug-ins:

- iLO Amplifier HSM at: [iLO Amplifier Pack Documentation](#)
- OneView HSM (OV4VC 10.1 or newer) at: [HPE OneView for VMware vCenter Documentation](#)

The picture below shows an example of the vLCM Desired Image definition using a VMware Base Image, HPE AddOn and HPE VUP.



The screenshot displays the VMware vCenter vLCM interface. The top navigation bar includes 'case2' and 'ACTIONS'. Below the navigation bar are tabs for 'Summary', 'Monitor', 'Configure', 'Permissions', 'Hosts', 'VMs', 'Datastores', 'Networks', and 'Updates'. The left sidebar shows a 'Hosts' dropdown menu with 'Image' selected. The main content area is titled 'Image' and contains the following information:

- Image:** Hosts in this cluster are managed collectively. This image below will be applied to all hosts in this cluster. (EDIT button)
- ESXi Version:** 7.0 Update 1 - 16850804
- Vendor Addon:** HPE Customization for HPE Servers 701.0.0.10.6.0- (HPE logo)
- Firmware and Drivers Addon:** VMware ESXi 7.0 U1 Upgrade Pack SPP-1.2
- Components:** No additional components (Show details link)

Below the image definition, there is a warning icon and text: "Image hardware compatibility is not verified in non-vSAN clusters. See details".

The 'Image Compliance' section shows a green checkmark and the text: "All hosts in this cluster are compliant". It also includes a 'CHECK COMPLIANCE' button and a timestamp: "Last checked on 09/28/2020, 2:06:26 AM (0 days ago)".

HPE recommends the following combinations to define the vLCM Desired Image for HPE ProLiant Gen10 and newer servers running ESXi 7.0 or newer for the VMware Base Image, the HPE AddOn and the HPE Support Pack for ProLiant (SPP) or the VMware Upgrade Pack (VUP). For more information on the VMware Base Images, see VMware KB <https://kb.vmware.com/s/article/2143832>.

The HPE AddOns are available from the VMware unified depot as well as the ESXi image download page at: <http://www.hpe.com/info/esxidownload>

The VUPs and SPPs are available at:

- VUP 1.1.2: <https://www.hpe.com/global/swpublishing/MTX-57d87123033d40f38cdd45db4c>
- VUP 1.2.1: <https://www.hpe.com/global/swpublishing/MTX-48862a0a04284f589f83301afd>
- VUP 1.2.2: <https://www.hpe.com/global/swpublishing/MTX-d8599f497a4d4ffc992cab455c>
- VUP 1.3.1: <https://www.hpe.com/global/swpublishing/MTX-43cdf768ff864551b17f8fcdcb>
- VUP 1.4.1.1: <https://www.hpe.com/global/swpublishing/MTX-64dd56ccb3ef4c8bbd5d51e62f>
- VUP 1.4.2.1: <https://www.hpe.com/global/swpublishing/MTX-3762cce274214ab8acb4a5dd9c>
- Gen 10 SPP 2021.10.1: <https://support.hpe.com/hpesc/public/swd/detail?swItemId=MTX-517467165f10412d9e06ddf062>
- Gen10 SPP 2022.03.0: <https://support.hpe.com/hpesc/public/swd/detail?swItemId=MTX-4059514b5d7241f88322e431d4>

The picture above uses the information in the second row in the table below.

NOTE: To identify the equivalent HPE Custom Image for the below listed combination of VMware Base Image + HPE AddOn, match the HPE AddOn version in the table below to the HPE ESXi Add-on version in the document at: http://vibsdepot.hpe.com/mapping/SPP-HPE_Custom-Image-vibsdepot-mapping-Gen9-later.pdf

ESXi Release	VMware Base Image	HPE AddOn	HPE VUP/SPP	Additional User Defined SW/Driver Components
ESXi 7.0	ESXi 7.0b Build 16324942	HPE ESXi 7.0 Add-On 700.0.0.10.5.5	VUP 1.1.2	
ESXi 7.0 U1	ESXi 7.0 Update 1 Build 16850804	HPE ESXi 7.0 U1 Add-On 701.0.0.10.6.0	VUP 1.2.1	
	ESXi 7.0 Update 1c Build 17325551	HPE ESXi 7.0 U1 Add-On 701.0.0.10.6.3	VUP 1.2.2	
	ESXi 7.0 Update 1d Build 17551050	HPE ESXi 7.0 U1 Add-On 701.0.0.10.7.0	VUP 1.4.1.1	

ESXi Release	VMware Base Image	HPE AddOn	HPE VUP/SPP	Additional User Defined SW/Driver Components
ESXi 7.0 U2	ESXi 7.0 U2 Build 17630552	HPE ESXi 7.0 U2 Add-On 702.0.0.10.6.3	VUP 1.3.1	
	ESXi 7.0 U2a Build 17867351	HPE ESXi 7.0 U2 Add-On 702.0.0.10.7.0	VUP 1.4.2.1	
	ESXi 7.0 U2a Build 17867351	HPE ESXi 7.0 U2 Add-On 702.0.0.10.7.0	Gen10 SPP 2021.10.1 ¹	

¹ This SPP only supports use with vLCM on ESXi 7.0 U2 using the OneView HSM

HPE removed all previously released ESXi 7.0 U3 content from vibsdepot in alignment with the VMware announcement that ESXi 7.0 Update 3, ESXi 7.0 Update 3a, and ESXi 7.0 Update 3b were removed from all online and offline download portals on November 18th 2021. Please see [KB 86398](#) for further details. The below information is for the HPE deliverables based on the new ESXi 7.0 U3 releases.

ESXi Release	VMware Base Image	HPE AddOn	HPE VUP/SPP	Additional User Defined SW/Driver Components
ESXi 7.0 U3	ESXi 7.0 U3f Build 20036589	HPE ESXi 7.0 U3 Add-On 703.0.0.10.9.1 ²	Gen10 SPP 2022.3.0 ²	
ESXi 7.0 U3	ESXi 7.0 U3d Build 19482537	HPE ESXi 7.0 U3 Add-On 703.0.0.10.9.0 ²	Gen10 SPP 2022.3.0 ²	
ESXi 7.0 U3	ESXi 7.0 U3c Build 19193900	HPE ESXi 7.0 U3 Add-On 703.0.0.10.8.1 ¹	Gen10 SPP 2021.10.1 ¹	

¹ This HPE AddOn and SPP combination is the last one that supports HPE Blades

² This HPE AddOn and SPP combination is not supported on HPE Blades

Revision History

Date	Version	Change Description
07.25.22	1.94	Replaced SPP 2021.10.0 with SPP 2021.10.1
06.28.22	1.93	Added VMware vSphere 7.0 U3f
04.06.22	1.92	Added 2022.03.0 MSB Added VMware vSphere 7.0 U3d
02.24.22	1.91	Removed note that the 2021.10.0 SPP is only supported with OneView HSM with 7.0 U3c.
02.08.22	1.90	Removed all references to previously released 7.0 U3 as VMware pulled all releases Added VMware vSphere 7.0 U3c OS release
10.26.21	1.80	Added 2021.10.0 SPP Group OS releases in table
10.05.21	1.70	Added VMware vSphere 7.0 U3 OS release Added VUP 1.4.3
07.12.21	1.61	VUP 1.1A replaced by VUP 1.1.2 VUP 1.2 replaced by VUP 1.2.1 VUP 1.2A replaced by VUP 1.2.2 VUP 1.3 replaced by 1.3.1
06.30.21	1.60	Added VUP 1.4.1.1 Removed VUP 1.4.1 Removed notes regarding vLCM issues that are covered in HPE vLCM HSM plug-in documentation.

Date	Version	Change Description
06.16.21	1.50	Added VUP 1.4.2.1 Removed VUP 1.4.2
04.19.21	1.40	Added May 2021 release information Added VUP 1.4.1 and 1.4.2
03.02.21	1.30	Added VMware vSphere 7.0 U2 OS release Added VUP 1.3
01.19.21	1.10	Added January 2021 release information.
11.13.20	1.00	Initial Version

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