

## 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 Synergy 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 Service Packs is available at the OS Support tool for HPE Synergy:

- [https://techhub.hpe.com/eginfolib/synergy/sw\\_release\\_info/OS\\_Support.html](https://techhub.hpe.com/eginfolib/synergy/sw_release_info/OS_Support.html)

Overview information on HPE Synergy Software Releases is available at:

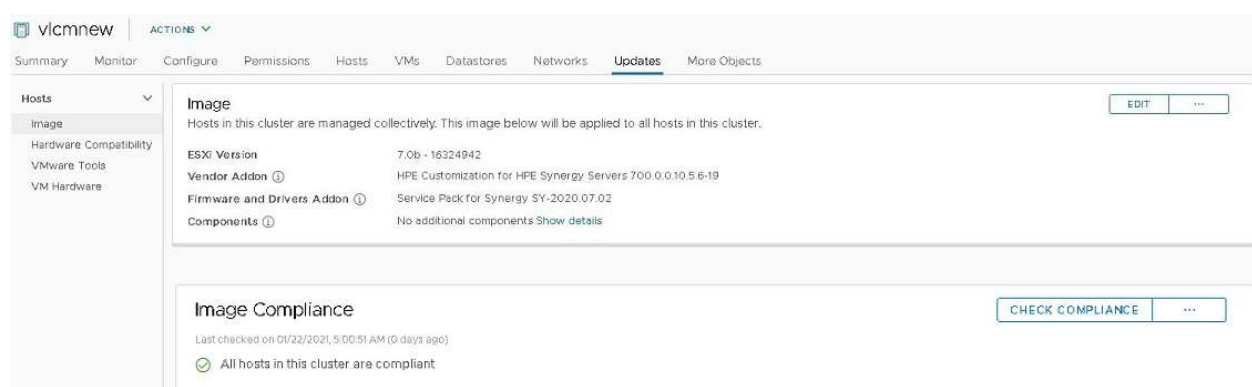
- [https://techhub.hpe.com/eginfolib/synergy/sw\\_release\\_info/index.html](https://techhub.hpe.com/eginfolib/synergy/sw_release_info/index.html)

HPE vLCM HSM plug-ins support the HPE Synergy Service Pack as the vLCM HSP.

vLCM support for the use of the HPE Synergy Service Pack requires installation of an HPE vLCM Hardware Support Manager (HSM) plug-in. See below for more information about the HPE vLCM HSM Plug-in:

- OneView HSM (OV4vC 10.1 or newer):
  - [https://support.hpe.com/hpesc/public/docDisplay?docId=emr\\_na-a00118707en\\_us](https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00118707en_us)
  - OV4vC 10.1 and older is no longer available. Update to OneView HSM OV4vC 10.2 or newer. Refer to CA: [https://support.hpe.com/hpesc/public/docDisplay?docId=emr\\_na-a00130066en\\_us](https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00130066en_us)
  - SSP 2022.11.01 or newer requires OV4vC 11.1 or newer.

The picture below shows an example of the vLCM Desired Image definition using VMware ESXi 7.0, HPE Customization for Synergy Servers AddOn and HPE Synergy Service Pack.



The picture above uses the information in the first row of **Table 1** on the following page.

HPE recommends the following combinations to define the vLCM Desired Image for HPE Synergy Gen10 and newer servers running ESXi 7.0 or newer for the VMware Base Image, the HPE AddOn and the HPE Synergy Service Pack. 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: <https://www.hpe.com/info/esxidownload>

The HPE Synergy Service Packs are available at: <https://www.hpe.com/info/synergy-sw-release-information>

**Table 1**

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP	Additional User Defined SW/Driver Components
ESXi 7.0	ESXi 7.0b Build 16324942 <sup>b</sup>	HPE Customization for HPE Synergy Servers 700.0.0.10.5.6-19	HPE Synergy Custom SPP SY-2020.07.02 <sup>b</sup>	
ESXi 7.0 U1	ESXi 7.0 Update 1c Build 17325551 <sup>b</sup>	HPE Customization for HPE Synergy Servers 701.0.0.10.6.5-12	HPE Synergy Custom SPP SY-2021.01.02 <sup>a,b</sup>	
	ESXi 7.0 Update 1d Build 17551050 <sup>b</sup>	HPE Synergy Server Customization 701.0.0.10.7.5-16	HPE Synergy Service Pack SY-2021.05.03 <sup>b</sup>	

a - For issues with VMware vCenter 7.0u1c release validating the HPE Synergy SPP for vLCM functionality due to a bad SSL handshake, VMware has released a KB article (<https://kb.vmware.com/s/article/83305>) which requires downloading an updated python module for vCenter.

b – Supports Gen10 servers, not Gen10 Plus.

**Table 2**

<b>ESXi Release</b>	<b>VMware Base Image</b>	<b>HPE AddOn</b>	<b>HPE SSP</b>	<b>Additional User Defined SW/Driver Components</b>
ESXi 7.0 U2	ESXi 7.0 Update 2 Build 17630552 <sup>a</sup>	HPE Synergy Server Customization 702.0.0.10.6.5-27	Usage of the SSP with vLCM is not supported	
	ESXi 7.0 Update 2a Build 17867351	HPE Synergy Server Customization 702.0.0.10.7.5-14	HPE Synergy Service Pack SY-2021.05.03	

a – Supports Gen10 servers, not Gen10 Plus.

**Table 3**

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP	Additional User Defined SW/Driver Components
ESXi 7.0 U3	ESXi 7.0 Update 3 Build 18644231 <sup>a</sup>	HPE Synergy Server Customization 703.0.0.10.8.5-18	HPE Synergy Service Pack SY-2021.11.01	
	ESXi 7.0 Update 3c Build 19193900	HPE Synergy Server Customization 703.0.0.10.8.6-3	HPE Synergy Service Pack SY-2021.11.01	
	ESXi 7.0 Update 3f Build 20036589	HPE Synergy Server Customization 703.0.0.10.9.5-14	HPE Synergy Service Pack SY-2022.08.01	
	ESXi 7.0 Update 3g Build 20328353	HPE Synergy Server Customization 703.0.0.10.10.5-17	HPE Synergy Service Pack SY-2022.11.01 <sup>b</sup>	
	ESXi 7.0 Update 3i Build 20842708	HPE Synergy Server Customization 703.0.0.11.1.5-9	HPE Synergy Service Pack SY-2023.03.01 <sup>b</sup>	
	ESXi 7.0 Update 3l Build 21424296	HPE Synergy Server Customization 703.0.0.11.2.5-5	HPE Synergy Service Pack SY-2023.05.01 <sup>b</sup>	

a – This image is no longer available from VMware for download due to critical issues. For more information, please refer to the VMware KB article located at <https://kb.vmware.com/s/article/86398>.

b – This SSP is supported with HPE OneView for VMware vCenter (OV4vC) v. 11.1 or newer.

**Table 4**

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP	Additional User Defined SW/Driver Components
ESXi 8.0	ESXi 8.0 Build 20513097	HPE Synergy Server Customization 800.0.0.10.10.5-20	HPE Synergy Service Pack SY-2022.11.01 <sup>a</sup>	
	ESXi 8.0a Build 20842819	HPE Synergy Server Customization 800.0.0.11.1.5-10	HPE Synergy Service Pack SY-2023.03.01 <sup>a</sup>	
ESXi 8.0 U1	ESXi 8.0 Update 1 Build 21495797	HPE Synergy Server Customization 801.0.0.11.2.5-12	HPE Synergy Service Pack SY-2023.05.01 <sup>a</sup>	

a – This SSP is supported with HPE OneView for VMware vCenter (OV4vC) v. 11.1 or newer.

## Revision History

Date	Version	Change Description
05/16/23	4.00	Updated for ESXi 7.0 Update 3l and ESXi 8.0 Update 1 support
03/31/23	3.00	Updated for ESXi 7.0 Update 3i and ESXi 8.0a support Revised OneView HSM hyperlink to direct to Customer Notice for HPE OneView Partner Integrations - Product Lifecycle
11/15/22	2.00	Updated for ESXi 7.0 Update 3g and ESXi 8.0 support
08/09/22	1.07	Updated for ESXi 7.0 Update 3f support
01/27/22	1.06	Updated link for OS Support tool for HPE Synergy Provided footnote for VMware KB86398 and the ESXi 7.0 U3 base image Updated for ESXi 7.0 Update 3c support
11/9/21	1.05	Update for ESXi 7.0 U3 Support Provided footnotes for VMware base images and HPE SSP that only support Gen10 Updated recommended SSP for the ESXi 7.0 U1d and ESXi 7.0 U2a base images
11/2/21	1.04	Update for ESXi 7.0 Update 3 Support
5/18/21	1.03	Update for ESXi 7.0 Update 1d and ESXi 7.0 Update 2a Support Updated HPE Synergy Custom SPP verbiage to reflect name change to the HPE Synergy Service Pack
4/15/21	1.02	Update for VMware KB Article 83305 and vLCM Functionality Update Documentation Hyperlinks
3/24/21	1.01	Update for ESXi 7.0 U2 Support
2/18/21	1.00	Initial Version

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