

## 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:

- [VMware OS Support Tool for HPE Synergy](#)

Information on HPE Synergy Software Releases is available at:

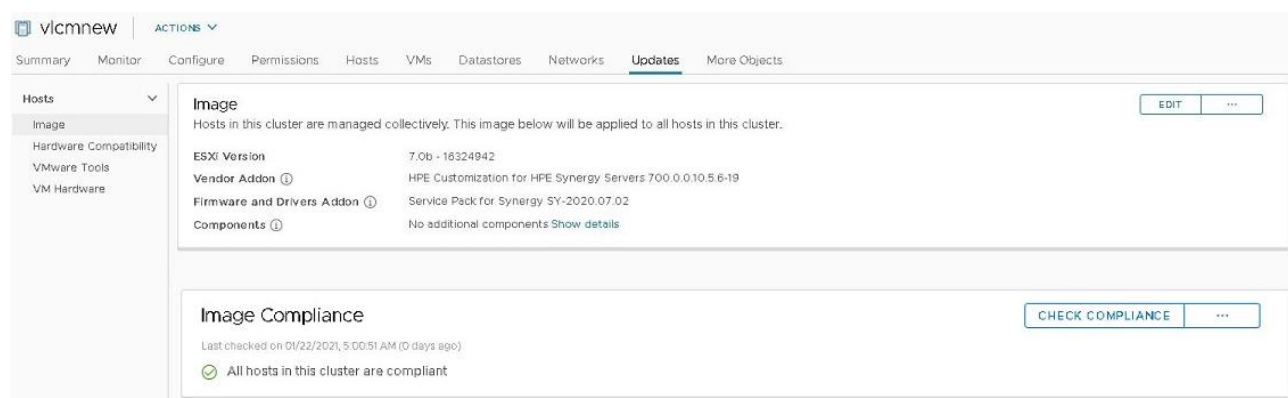
- [HPE Synergy Software Releases – Overview](#)

HPE vLCM HSM plug-ins support the 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) at: [HPE OneView for VMware vCenter Documentation](#)

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 (formerly released as the HPE Synergy Custom SPP).



The screenshot displays the vLCMnew interface for configuring a Desired Image. The 'Image' section shows the following details:

ESXi Version	7.0b - 16324942
Vendor Addon	HPE Customization for HPE Synergy Servers 700.0.0.10.5.6-19
Firmware and Drivers Addon	Service Pack for Synergy SY-2020.07.02
Components	No additional components Show details

The 'Image Compliance' section indicates that all hosts in the cluster are compliant, with a 'CHECK COMPLIANCE' button available.

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: <http://www.hpe.com/info/esxidownload>

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

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

VMware Base Image	HPE AddOn	HPE SSP	Additional User Defined SW/Driver Components
ESXi 7.0b Build 16324942	HPE Customization for HPE Synergy Servers 700.0.0.10.5.6-19	HPE Synergy Custom SPP SY-2020.07.02	
ESXi 7.0 Update 1c Build 17325551	HPE Customization for HPE Synergy Servers 701.0.0.10.6.5-12	HPE Synergy Custom SPP SY-2021.01.02 <sup>a</sup>	
ESXi 7.0 Update 1d Build 17551050	HPE Synergy Server Customization 701.0.0.10.7.5-16	Usage of the SSP with vLCM is not supported	
ESXi 7.0 Update 2 Build 17630552	HPE Synergy Server Customization 702.0.0.10.6.5-27	Usage of the SPP 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-2021.05.01	

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.

## Revision History

Date	Version	Change Description
2/18/21	1.00	Initial Version
3/24/21	1.01	Update for ESXi 7.0 U2 Support
4/15/21	1.02	Update for VMware KB Article 83305 and vLCM Functionality Update Documentation Hyperlinks
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

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