Recommended VMware LifeCycle Manager Desired Image Definitions for HPE Synergy

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://support.hpe.com/docs/display/public/synergy-sw-release/OS_Support.html

Overview information on HPE Synergy Software Releases is available at:

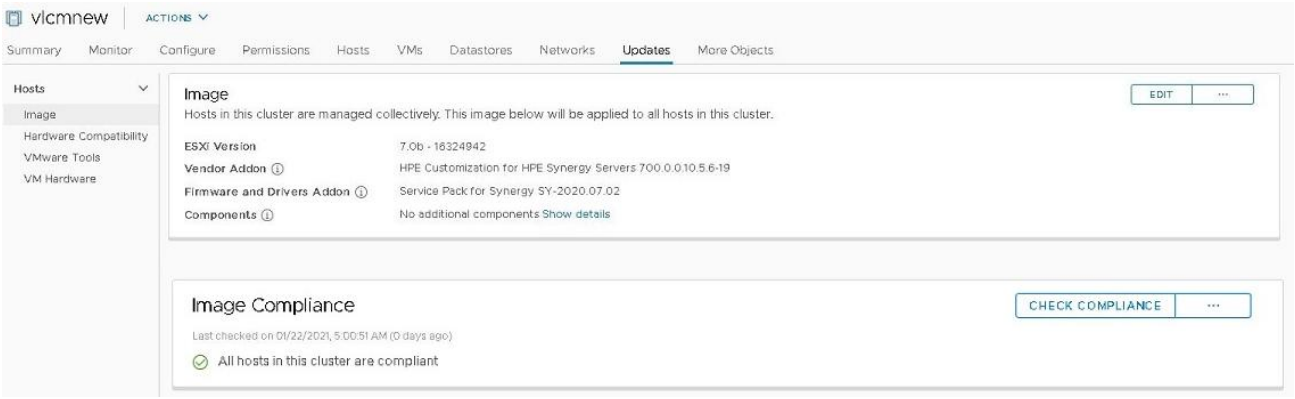
- https://support.hpe.com/docs/display/public/synergy-sw-release/index.html

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 at: HPE OneView for VMware vCenter Documentation
  - Recommend updating to OV4VC 11.7 or newer.
  - For supported combinations of OV4VC, HPE OneView, and VMware vCenter, refer to CN: https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00118707en_us
  - For previous versions of HPE OneView for VMware vCenter, refer to recommendations in HPE OneView for VMware vCenter 11.7.0 Release Notes: https://support.hpe.com/hpesc/public/docDisplay?docId=sd00006296en_us&page=GUID5B498A95-5AC4-4FE7-B988-BB8058F6AEB2.html

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



The picture above uses the information in the bottom row of **Table 1** of this document.

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/us/en/servers/hpe-esxi.html

The HPE Synergy Service Packs are available at: https://support.hpe.com/docs/display/public/synergy-sw-release/index.html

NOTE: Updated patches and security builds can be installed from VMware. Installed updates will be reflected with a higher build number than the baseline build from either the VMware base image or the HPE Synergy-Only ESXi custom images. Patches are supported if they:

- do not install drivers that conflict with the HPE Synergy software release and
- do not cross a VMware ESXi v8.x "update" boundary (i.e. 8.0 Update 2 does not become 8.0 Update 3) or a ESX v9 “minor release” (i.e. 9.0 does not become 9.1)

NOTE: Updated HPE AddOns and HPE SSPs are not required to update the VMware base image. For example, if VMware releases a Patch, the Patch can be installed directly without any changes to the HPE AddOn and SSP, provided the conditions in the previous paragraph are met. This is considered supported even if the Patch is not listed in the tables in this document.

Table 1

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP
ESXi 7.0 U1	ESXi 7.0 Update 1d Build 17551050 [b]	HPE Synergy Server Customization 701.0.0.10.7.5-16	HPE Synergy Service Pack SY-2021.05.03 [b]
	ESXi 7.0 Update 1c Build 17325551 [b]	HPE Customization for HPE Synergy Servers 701.0.0.10.6.5-12	HPE Synergy Custom SPP SY-2021.01.02 [a, b]
ESXi 7.0	ESXi 7.0b Build 16324942 [b]	HPE Customization for HPE Synergy Servers 700.0.0.10.5.6-19	HPE Synergy Custom SPP SY-2020.07.02 [b]

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.

NOTE: Due to the end of general support for ESXi 7 from Broadcom, HPE will not be releasing any updates for the ESXi 7 releases.

Table 2

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP
ESXi 7.0 U2	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
	ESXi 7.0 Update 2 Build 17630552 [a]	HPE Synergy Server Customization 702.0.0.10.6.5-27	Usage of the SSP with vLCM is not supported

a – Supports Gen10 servers, not Gen10 Plus.

NOTE: Due to the end of general support for ESXi 7 from Broadcom, HPE will not be releasing any updates for the ESXi 7 releases.

Table 3

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP
ESXi 7.0 U3	ESXi 7.0 Update 3q Build 23794027	HPE Synergy Server Customization 703.0.0.11.8.5-4 [c] HPE Synergy Server Customization for 3530C 703.0.2.11.8.6-2 [d]	HPE Synergy Service Pack SY-2024.11.02 [b, c] HPE Synergy Service Pack SY-2024.11.01 [b, c]
	ESXi 7.0 Update 3q Build 23794027	HPE Synergy Server Customization 703.0.0.11.7.5-6 [c] HPE Synergy Server Customization for 3530C 703.0.2.11.7.6-2 [d]	HPE Synergy Service Pack SY-2024.07.03 [b, c] HPE Synergy Service Pack SY-2024.07.02 [b, c] HPE Synergy Service Pack SY-2024.07.01 [b, c]
	ESXi 7.0 Update 3o Build 22348816	HPE Synergy Server Customization 703.0.0.11.5.5-7 [c] HPE Synergy Server Customization for 3530C 703.0.2.11.5.6-2 [d]	HPE Synergy Service Pack SY-2024.01.02 [b, c] HPE Synergy Service Pack SY-2024.01.01 [b, c]
	ESXi 7.0 Update 3n Build 21930508	HPE Synergy Server Customization 703.0.0.11.4.5-6 [c] HPE Synergy Server Customization for 3530C 703.0.2.11.4.6-7 [d]	HPE Synergy Service Pack SY-2023.10.01 [b, c]
	ESXi 7.0 Update 3n Build 21930508	HPE Synergy Server Customization 703.0.0.11.3.5-9 [c]	HPE Synergy Service Pack SY-2023.08.02 [b, c]
	ESXi 7.0 Update 3l Build 21424296	HPE Synergy Server Customization 703.0.0.11.2.5-5 [c]	HPE Synergy Service Pack SY-2023.05.01 [b, c]
	ESXi 7.0 Update 3i Build 20842708	HPE Synergy Server Customization 703.0.0.11.1.5-9 [c]	HPE Synergy Service Pack SY-2023.03.01 [b, c]
	ESXi 7.0 Update 3g Build 20328353	HPE Synergy Server Customization 703.0.0.10.10.5-17 [c]	HPE Synergy Service Pack SY-2022.11.01 [b, c]
	ESXi 7.0 Update 3f Build 20036589	HPE Synergy Server Customization 703.0.0.10.9.5-14 [c]	HPE Synergy Service Pack SY-2022.08.01 [c]
	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 3 Build 18644231 [a]	HPE Synergy Server Customization 703.0.0.10.8.5-18	HPE Synergy Service Pack SY-2021.11.01

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.

c - This HPE AddOn or HPE SSP has an updated ESXi 7.0 U3 lpfc driver that no longer supports the HPE Synergy 3530C 16G FC HBA. vLCM should not be used with these combinations and the 3530C FC HBA. Support is available using an HPE AddOn combination designated with footnote d.

d – This HPE AddOn is specifically for use in configurations containing the HPE Synergy 3530C 16G FC HBA. When this HPE AddOn is selected as a Vendor Addon, the HPE SSP must not be selected as a Firmware and Drivers Addon.

NOTE: Due to the end of general support for ESXi 7 from Broadcom, HPE will not be releasing any updates for the ESXi 7 releases.

Table 4

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP
ESXi 8.0 U3	ESXi 8.0 Update 3j Build 25429389	Not Available [c]	HPE Synergy Service Pack SY-2026.07.02 [b, c]
	ESXi 8.0 Update 3i Build 25205845	Not Available [c]	HPE Synergy Service Pack SY-2026.04.01 [b, c]
	ESXi 8.0 Update 3g Build 24859861	Not Available [c]	HPE Synergy Service Pack SY-2026.01.02 [b, c] HPE Synergy Service Pack SY-2026.01.01 [b, c]
	ESXi 8.0 Update 3g Build 24859861	HPE Synergy Server Customization 803.0.0.12.3.5-6	HPE Synergy Service Pack SY-2025.10.01 [b]
	ESXi 8.0 Update 3e Build 24674464	HPE Synergy Server Customization 803.0.0.12.2.6-2	HPE Synergy Service Pack SY-2025.07.03 [b]
	ESXi 8.0 Update 3e Build 24674464	HPE Synergy Server Customization 803.0.0.12.2.5-4	HPE Synergy Service Pack SY-2025.07.02 [b]
	ESXi 8.0 Update 3e Build 24674464	HPE Synergy Server Customization 803.0.0.12.1.5-14	HPE Synergy Service Pack SY-2025.05.01 [b]
	ESXi 8.0 Update 3b Build 24280767	HPE Synergy Server Customization 803.0.0.11.8.5-4	HPE Synergy Service Pack SY-2024.11.02 [a] HPE Synergy Service Pack SY-2024.11.01 [a]
	ESXi 8.0 Update 3 Build 24022510	HPE Synergy Server Customization 803.0.0.11.7.5-12	HPE Synergy Service Pack SY-2024.07.03 [a] HPE Synergy Service Pack SY-2024.07.02 [a] HPE Synergy Service Pack SY-2024.07.01 [a]

a – This SSP is supported with HPE OneView for VMware vCenter (OV4vC) v. 11.1 or newer. OV4vC version 11.7 is recommended.

b – This SSP requires OV4vC version 11.7 or later with 8.0 U3 on HPE Synergy 480 Gen12. For all other HPE Synergy Gen10, Gen10Plus, and Gen11 compute nodes, this SSP is supported with OV4vC version 11.1 or newer, but version 11.7 is recommended.

c – A certified HPE vendor add-on for Synergy is not provided for this release and is unavailable from the VMware unified depot. Vendor ESXi support on Synergy will be achieved with the VMware ESXi base ISO provided by Broadcom combined with the associated HPE utilities and drivers provided by the HPE SSP.

Table 5

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP
ESXi 8.0 U2	ESXi 8.0 Update 2c Build 23825572	HPE Synergy Server Customization 802.0.0.11.5.5-13	HPE Synergy Service Pack SY-2024.01.02 [a]
	ESXi 8.0 Update 2b Build 23305546	HPE Synergy Server Customization 802.0.0.11.5.5-13	HPE Synergy Service Pack SY-2024.01.02 [a]
	ESXi 8.0 Update 2 Build 22380479	HPE Synergy Server Customization 802.0.0.11.5.5-13	HPE Synergy Service Pack SY-2024.01.02 [a] HPE Synergy Service Pack SY-2024.01.01 [a]
	ESXi 8.0 Update 2 Build 22380479	HPE Synergy Server Customization 802.0.0.11.4.5-8	HPE Synergy Service Pack SY-2023.10.01 [a]
ESXi 8.0 U1	ESXi 8.0 Update 1a Build 21813344	HPE Synergy Server Customization 801.0.0.11.3.5-11	HPE Synergy Service Pack SY-2023.08.02 [a]
	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 [a]
ESXi 8.0	ESXi 8.0a Build 20842819	HPE Synergy Server Customization 800.0.0.11.1.6-1	HPE Synergy Service Pack SY-2023.03.01 [a]
	ESXi 8.0a Build 20842819	HPE Synergy Server Customization 800.0.0.11.1.5-10	HPE Synergy Service Pack SY-2023.03.01 [a]
	ESXi 8.0 Build 20513097	HPE Synergy Server Customization 800.0.0.10.10.5-20	HPE Synergy Service Pack SY-2022.11.01 [a]

a – This SSP is supported with HPE OneView for VMware vCenter (OV4vC) v. 11.1 or newer. OV4vC version 11.7 is recommended.

b – This SSP requires OV4vC version 11.7 or later with 8.0 U3 on HPE Synergy 480 Gen12. For all other HPE Synergy Gen10, Gen10Plus, and Gen11 compute nodes, this SSP is supported with OV4vC version 11.1 or newer, but version 11.7 is recommended.

c – A certified HPE vendor add-on for Synergy is not provided for this release and is unavailable from the VMware unified depot. Vendor ESXi support on Synergy will be achieved with the VMware ESXi base ISO provided by Broadcom combined with the associated HPE utilities and drivers provided by the HPE SSP.

Table 6

ESXi Release	VMware Base Image	HPE AddOn	HPE SSP
ESX 9.1 [a]	ESX 9.1.0.0 Build 25370933	HPE Synergy Server Customization 910.0.0.12.6.6-1	HPE Synergy Service Pack SY-2026.07.02
ESX 9.0 [a]	ESX 9.0.2.0 Build 25148076	HPE Synergy Server Customization 902.0.0.12.6.5-11	HPE Synergy Service Pack SY-2026.07.02
	ESX 9.0.2.0 Build 25148076	Not Available [b]	HPE Synergy Service Pack SY-2026.04.01 [b]
	ESX 9.0.1.0 Build 24957456	Not Available [b]	HPE Synergy Service Pack SY-2026.01.02 [b] HPE Synergy Service Pack SY-2026.01.01 [b]
	ESX 9.0.0.0100 Build 24813472	HPE Synergy Server Customization 900.0.0.12.3.5-5	HPE Synergy Service Pack SY-2025.10.01
	ESX 9.0 GA Build 24755229	HPE Synergy Server Customization 900.0.0.12.2.6-2	HPE Synergy Service Pack SY-2025.07.03
	ESX 9.0 GA Build 24755229	HPE Synergy Server Customization 900.0.0.12.2.5-5	HPE Synergy Service Pack SY-2025.07.02
	ESX 9.0 GA Build 24755229	HPE Synergy Server Customization 900.0.0.12.1.5-24	HPE Synergy Service Pack SY-2025.05.01

a – vLCM support with HPE SSPs requires OV4vC 11.7 and newer when used with ESX 9.0.

b – A certified HPE vendor add-on for Synergy is not provided for this release and is unavailable from the VMware unified depot. Vendor ESXi support on Synergy will be achieved with the VMware ESXi base ISO provided by Broadcom combined with the associated HPE utilities and drivers provided by the HPE SSP.

Revision History

Date	Version	Change Description
07/28/26	17.00	Updated for ESXi 9.1.0.0, ESXi 8.0 Update 3j, and HPE SSP 2026.07.02 support
05/04/26	16.00	Updated for ESXi 9.0.2.0, ESXi 8.0 Update 3i, and HPE SSP 2026.04.01 support
02/24/26	15.01	Updated for HPE SSP 2026.01.02 support
01/29/26	15.00	Updated for ESXi 9.0.1.0 and HPE SSP 2026.01.01 support
10/23/25	14.00	Updated for ESXi 9.0.0.0100, ESXi 8.0 Update 3g, and HPE SSP 2025.10.01 support
09/04/25	13.02	Updated for HPE SSP 2025.07.03 support
07/29/25	13.01	Updated for HPE SSP 2025.07.02 support
07/01/25	13.00	Updated for ESXi 9.0 support and recommendation of OV4vC version 11.7 or newer
05/29/25	12.00	Updated for ESXi 8.0 Update 3e and HPE SSP 2025.05.01 support
02/04/25	11.02	Updated to include notes about OS patch support
12/10/24	11.01	Updated for HPE SSP 2024.11.02 support
11/19/24	11.00	Updated for ESXi 7.0 Update 3q, ESXi 8.0 Update 3b, and HPE SSP 2024.11.01 support
08/06/24	10.00	Updated for ESXi 8.0 Update 2c and HPE SSP 2024.07.03 support
07/16/24	9.01	Updated for HPE SSP 2024.07.02 support
07/09/24	9.00	Updated for ESXi 7.0 Update 3q, ESXi 8.0 Update 3, and HPE SSP 2024.07.01 support
03/26/24	8.00	Updated for ESXi 8.0 Update 2b support
02/12/24	7.01	Updated for HPE SSP 2024.01.02 support
01/09/24	7.00	Updated for ESXi 7.0 Update 3o and ESXi 8.0 Update 2 support
12/07/23	6.01	Updated ESXi 7.0 Update 3n support with newly added HPE Synergy Only Custom Addon for ESXi 7.0 U3 for 3530C 16G FC HBA Oct 2023
10/17/23	6.00	Update for ESXi 8.0 Update 2 support and newly added HPE SSP and AddOn combinations for ESXi 7.0 Update 3n
08/31/23	5.02	Replaced HPE SSP 2023.08.01 with version 2023.08.02 in the ESXi 8.0 Update 1a support and ESXi 7.0 Update 3n combinations
08/17/23	5.01	Updated for HPE Synergy Server Customization 800.0.0.11.1.6-1 AddOn and ESXi 8.0a support
08/01/23	5.00	Updated for ESXi 7.0 Update 3n and ESXi 8.0 Update 1a support
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

Revision History

Date	Version	Change Description
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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