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.
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](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](http://www.hpe.com/info/esxidownload)

The VUPs are available at:

- VUP 1.1.2: [https://www.hpe.com/global/swpublishing/MTX-57d87123033d40f38cdd45db4c](https://www.hpe.com/global/swpublishing/MTX-57d87123033d40f38cdd45db4c)
- VUP 1.2.1: [https://www.hpe.com/global/swpublishing/MTX-48862a0a04284f589f83301afdf](https://www.hpe.com/global/swpublishing/MTX-48862a0a04284f589f83301afdf)
- VUP 1.2.2: [https://www.hpe.com/global/swpublishing/MTX-d859f497a4d4fcede992cabe455c](https://www.hpe.com/global/swpublishing/MTX-d859f497a4d4fcede992cabe455c)
- VUP 1.3.1: [https://www.hpe.com/global/swpublishing/MTX-43cdef76f864551b17f8fcdcb](https://www.hpe.com/global/swpublishing/MTX-43cdef76f864551b17f8fcdcb)
- VUP 1.4.1.1: [https://www.hpe.com/global/swpublishing/MTX-64d566c3eef4c8bbd5d1e62f](https://www.hpe.com/global/swpublishing/MTX-64d566c3eef4c8bbd5d1e62f)
- VUP 1.4.2.1: [https://www.hpe.com/global/swpublishing/MTX-37e2c74214ab8acb4a5dd9c](https://www.hpe.com/global/swpublishing/MTX-37e2c74214ab8acb4a5dd9c)

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](http://vibsdepot.hpe.com/mapping/SPP-HPE_Custom-Image-vibsdepot-mapping-Gen9-later.pdf)

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<tr>
<th>VMware Base Image</th>
<th>HPE AddOn</th>
<th>HPE VUP</th>
<th>Additional User Defined SW/Driver Components</th>
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<tbody>
<tr>
<td>ESXi 7.0b</td>
<td>HPE ESXi 7.0 Add-On 700.0.0.10.5.5</td>
<td>VUP 1.1.2</td>
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<tr>
<td>Build 16324942</td>
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<td>ESXi 7.0 Update 1</td>
<td>HPE ESXi 7.0 U1 Add-On</td>
<td>VUP 1.2.1</td>
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<tr>
<td>Build 16850804</td>
<td>701.0.0.10.6.0</td>
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<tr>
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<td>HPE ESXi 7.0 U1 Add-On</td>
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<td>Build 17325551</td>
<td>701.0.0.10.6.3</td>
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<tr>
<td>ESXi 7.0 U2</td>
<td>HPE ESXi 7.0 U2 Add-On</td>
<td>VUP 1.3.1</td>
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<tr>
<td>Build 17630552</td>
<td>702.0.0.10.6.3</td>
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<tr>
<td>ESXi 7.0 Update 1d</td>
<td>HPE ESXi 7.0 U1 Add-On</td>
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<td>Build 17551050</td>
<td>701.0.0.10.7.0</td>
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<tr>
<td>ESXi 7.0 U2a</td>
<td>HPE ESXi 7.0 U2 Add-On</td>
<td>VUP 1.4.2.1</td>
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<tr>
<td>Build 17867351</td>
<td>702.0.0.10.7.0</td>
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## Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Change Description</th>
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</table>
| 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. |
| 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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