HPE Synergy Software Releases

Systems Stability for Workload Solutions

February 2019
P12849-002
HPE Synergy Software Releases

- HPE Synergy Software Release: What is it?

- HPE Support Policies

- Theory vs. Practice

- User Experience & Web Navigation

- Synergy Update Processes: Best Practices
What is it?
HPE Synergy Software Releases
Delivery of Stable Solutions
HPE Synergy Software Releases

New Features and Customer Requests
HPE Synergy Composer
HPE Synergy Image Streamer
Interconnects
Compute Modules
Frames

Solution Creation → Solution Testing

SW Updates & Recommendations

Feedback

Software Downloads (with License Entitlement)

HPE Software Depot

Bug Fixes and Required Updates
HPE Synergy Software Releases

Basic Elements

**Synergy Management Appliances**
- HPE Synergy Composer (running HPE OneView)
- HPE Synergy Image Streamer

**Synergy Frame Elements**
- HPE Synergy 12000 Frame
- Synergy Compute Modules (e.g. SY480, SY660)
- Interconnect Modules (e.g. Virtual Connect, adapters)
- Frame Link Modules

System elements that are **NOT** included:
- 3rd party switches (e.g. Cisco)
- 3rd party storage (e.g. EMC, NetApp)
- Interconnects that are **NOT** managed by Synergy Composer (e.g. Brocade)
HPE Synergy Software Releases

**Basic Elements**

**Synergy Management Appliances**
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- HPE Synergy 12000 Frame
- Synergy Compute Modules (e.g. SY480, SY660)
- Interconnect Modules (e.g. VC, adapters)
- Frame Link Modules

**TESTED as a SOLUTION**

- Synergy Management combination:
  - HPE Synergy Composer
  - HPE Synergy Image Streamer

**ADD**
- Synergy Frame components (Frame Link Modules, Interconnect Modules, SAS & D3940 Storage Modules)
- Hotfixes (as necessary)

**REMOVE**
- Non-Synergy components
- c-Class Virtual Connect & OnBoard Administrator (OA)
- Non-Synergy ROMs & Storage Arrays
HPE Synergy Software Releases

Basic Elements

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**Synergy Management combination**
Paired version releases of HPE Synergy Composer + HPE Synergy Image Streamer


**Synergy Custom SPP**

**3rd party Firmware / Software**

**HPE SPOCK**
Single Point of Connectivity Knowledge for HPE Storage Products

HPE Synergy Software Releases

Nomenclature for Basic Elements

Synergy Management Appliances
- HPE Synergy Composer (running HPE OneView)
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Synergy Frame Elements
- HPE Synergy 12000 Frame
- Synergy Compute Modules (SY480, SY660, etc.)
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Synergy Management combination
Paired version releases of
HPE Synergy Composer + HPE Synergy Image Streamer

Sample Nomenclature -- Synergy Management
Synergy Composer 4.10.03 + Synergy Image Streamer 4.10.04

Synergy Custom SPP

Sample Nomenclature -- Synergy Custom SPP
Synergy Custom SPP = 2018.09.20180919
Base SPP (ProLiant) = 2018.09._________ Sept-2018 SPP
Custom SPP Date = ________.20180919 19-Sept-2018
HPE Support Policies
HPE Synergy Software Releases
Synergy Software Support Policy

Synergy Management combinations (HPE Synergy Composer and HPE Synergy Image Streamer)

Support policy is the same as HPE OneView policy:

- **Major releases** are supported for 2 releases back.  
  Example: Composer 4.10, 4.00, and 3.10 are supported.

- **Patch updates** for each HPE OneView are supported for each release stream for 12 months after the first release of the next HPE OneView release.
  
  Example: HPE OneView 4.1 was first released in June 2018. Therefore, HPE will provide patches on the previous release, HPE OneView 4.0, until June 30, 2019.

- **NOTE:** If a version is in the "End of Support" phase, HPE Pointnext will continue to take calls from customers with active support contracts. However, there will be no new fixes provided for this release.

- **Exceptions** may be made in specific cases.

HPE Synergy Composer (HPE OneView) and HPE Synergy Image Streamer release in lockstep -- as ‘Management combinations’:

- Only supported combinations of HPE Synergy Composer (HPE OneView) and HPE Synergy Image Streamer releases can be used, and these are specified by the Synergy Management combinations in Synergy Software Releases.

- Timing: Synergy Composer releases at approximately the same time as the HPE OneView virtual appliance (OVA).

**Synergy Custom SPP releases are supported for one year.**

Support policy is based on HPE base SPP policy:

- **Exceptions** may be made in specific cases.
## Synergy Software Releases

### Use Cases & Support Policy

<table>
<thead>
<tr>
<th>USE CASE #</th>
<th>USE CASE DESCRIPTION</th>
<th>HPE SUPPORT</th>
<th>RECOMMENDED CUSTOMER ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NEW INSTALLATION Deploy a Synergy Software Release within its support window to a NEW configuration</td>
<td>Standard use case that covers the majority of Synergy customers and involves using the firmware and drivers on a recommended Synergy Software Release</td>
<td>• Use the Synergy Software Release as a baseline to deploy new workloads and maintain your environment as required.</td>
</tr>
<tr>
<td>2</td>
<td>UPDATE or UPGRADE Deploy a Synergy Software Release within its support window to an EXISTING configuration</td>
<td>Standard use case that covers the majority of Synergy customers and involves using the firmware and drivers on a recommended Synergy Software Release following the published Upgrade Paths.</td>
<td>• Use the Synergy Software Release as a baseline to deploy new workloads and maintain your environment as required.</td>
</tr>
<tr>
<td>3</td>
<td>UPDATE -- MANAGEMENT ONLY Update a Synergy Management combination (HPE Synergy Composer and HPE Synergy Image Streamer) to a supported Synergy configuration.</td>
<td>Synergy Software Releases support updates to both HPE Synergy Composer or HPE Synergy Image Streamer for use with a currently installed Synergy Custom SPP.</td>
<td>• Read the Release Notes.                                                                                     • Apply the update to the appropriate component within the Software Release (Management combination or Synergy Custom SPP)</td>
</tr>
<tr>
<td>4</td>
<td>UPDATE -- FIRMWARE ONLY Apply an update of a Synergy Custom SPP with the latest hot fixes to a supported Synergy configuration.</td>
<td>Synergy Software Releases support updates to both HPE Synergy Frame and HPE Synergy Compute Module components for use with a currently installed Synergy Management combination.</td>
<td>• Reference the supported configurations first, and then determine the changes needed.                                                                                  • To determine if the change is needed in your environment, read the Customer Advisory for the hot fix (linked from Synergy Software Release web page).    • Apply the Synergy Custom SPP as needed.</td>
</tr>
<tr>
<td>5</td>
<td>USE of an EXPIRED RELEASE Use of an expired Synergy Software Release after its support period has lapsed for a Synergy Management combination or a Synergy Custom SPP.</td>
<td>HPE acknowledges that just because the support window expires, that doesn’t mean a working environment will stop working. HPE will work with you to diagnose issues should they arise.</td>
<td>• You may “freeze” your environment (firmware, drivers, and system software) based on the use of a Synergy Custom SPP of 12+ months, but you should not apply any updates of any type to that 12+ month old “frozen” Synergy Custom SPP. • Read all applicable documents (e.g. OS Support Matrices, SPP Server Support Guides) for details and recommendations on the OS support status for each component.</td>
</tr>
</tbody>
</table>
Theory & Practice
HPE Synergy Software Releases
**Conceptual Approach – Current Policy**

**Synergy Software Releases**

- **Composer versions** (HPE OneView)
  - Composer versions are supported for the previous version and one version back

- **Synergy Custom SPPs** are supported for 1 year with updates

- **Base SPP** versions are released approximately quarterly

- **SPP versions**

**NOTE:** Synergy Composer (using HPE OneView) and Image Streamer are always version-locked to the same release version (e.g., 3.10/3.10, 4.00/4.00, 4.10/4.10, etc.).

**Supported configuration**

**Old configuration**
(out of support window)
Overview – Synergy Software Releases

Synergy Management combinations
(HPE Synergy Composer + HPE Synergy Image Streamer)

- Composer (HPE-OV) 4.10.03
  ImageStreamer 4.10.04
- Composer (HPE-OV) 4.10.01
  ImageStreamer 4.10.03

- Composer (HPE-OV) 4.00.11
  ImageStreamer 4.00.07
- Composer (HPE-OV) 4.00.10
  ImageStreamer 4.00.06
- Composer (HPE-OV) 4.00.09
  ImageStreamer 4.00.06
- Composer (HPE-OV) 4.00.07.02
  ImageStreamer 4.00.04
- Composer (HPE-OV) 4.00.07
  ImageStreamer 4.00.04
- Composer (HPE-OV) 4.00.05
  ImageStreamer 4.00.02

- Composer (HPE-OV) 3.10.10
  ImageStreamer 3.10.03
- Composer (HPE-OV) 3.10.08
  ImageStreamer 3.10.03
- Composer (HPE-OV) 3.10.07
  ImageStreamer 3.10.02

- July-2017
  2017.07.20170721
- Oct-2017
  2017.10.20180324
  2017.10.20180523
  2017.10.20171215SRM
  2017.10.20171206SRM
  2017.10.20171206
- Mar-2018
  2018.03.20180928
  2018.03.20180528
  2018.03.20180508
- Jun-2018
  2018.06.20180709
  2018.06.20180619
- Sept-2018
  2018.09.20180919

* Update.bin files have been removed and are no longer available.
# HPE Synergy Software Releases - Overview

Primary webpage for guidance in Software Depot


*Recommended versions are shown in bold font*

<table>
<thead>
<tr>
<th>HPE SYNERGY MANAGEMENT</th>
<th>HPE SYNERGY CUSTOM SPP's</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4.10 RELEASES</strong></td>
<td></td>
</tr>
<tr>
<td>Composer (HPE-CG) 4.10.03 &amp; Image Streamer 4.10.04</td>
<td></td>
</tr>
<tr>
<td>2017-10-03-0324</td>
<td>2017-10-11-0323</td>
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<tr>
<td>2017-10-23-0323</td>
<td>2017-10-25-0323</td>
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<td>2018-03-20180825</td>
<td>2018-03-20180808</td>
</tr>
<tr>
<td>2018-06-20180909</td>
<td>2018-06-20180910</td>
</tr>
</tbody>
</table>

| Composer (HPE-CG) 4.10.01 & Image Streamer 4.10.01 | | |
| 2017-10-03-0324         | 2017-10-11-0323          |                          |
| 2017-10-23-0323         | 2017-10-25-0323          |                          |
| 2017-10-27-1255SPCM     | 2017-10-12-1255SPCM      |                          |
| 2017-10-29-1255SPCM     | 2017-10-31-1255SPCM      |                          |
| 2017-12-12-1255SPCM     | 2017-12-14-1255SPCM      |                          |
| 2018-03-20180825        | 2018-03-20180808         | 2018-03-20180805         |
| 2018-06-20180909        | 2018-06-20180910         |                          |

| Composer (HPE-CG) 4.0.0.11 & Image Streamer 4.0.0.11 | | |
| 2017-10-03-0324         | 2017-10-11-0323          |                          |
| 2017-10-23-0323         | 2017-10-25-0323          |                          |
| 2017-10-27-1255SPCM     | 2017-10-12-1255SPCM      |                          |
| 2017-10-29-1255SPCM     | 2017-10-31-1255SPCM      |                          |
| 2017-12-12-1255SPCM     | 2017-12-14-1255SPCM      |                          |
| 2018-03-20180825        | 2018-03-20180808         | 2018-03-20180805         |
| 2018-06-20180909        | 2018-06-20180910         |                          |

| Composer (HPE-CG) 4.0.0.10 & Image Streamer 4.0.0.10 | | |
| 2017-10-03-0324         | 2017-10-11-0323          |                          |
| 2017-10-23-0323         | 2017-10-25-0323          |                          |
| 2017-10-27-1255SPCM     | 2017-10-12-1255SPCM      |                          |
| 2017-10-29-1255SPCM     | 2017-10-31-1255SPCM      |                          |
| 2017-12-12-1255SPCM     | 2017-12-14-1255SPCM      |                          |
| 2018-03-20180825        | 2018-03-20180808         | 2018-03-20180805         |
| 2018-06-20180909        | 2018-06-20180910         |                          |

| Composer (HPE-CG) 4.0.0.09 & Image Streamer 4.0.0.09 | | |
| 2017-10-03-0324         | 2017-10-11-0323          |                          |
| 2017-10-23-0323         | 2017-10-25-0323          |                          |
| 2017-10-27-1255SPCM     | 2017-10-12-1255SPCM      |                          |
| 2017-10-29-1255SPCM     | 2017-10-31-1255SPCM      |                          |
| 2017-12-12-1255SPCM     | 2017-12-14-1255SPCM      |                          |
| 2018-03-20180825        | 2018-03-20180808         | 2018-03-20180805         |
| 2018-06-20180909        | 2018-06-20180910         |                          |

| Composer (HPE-CG) 4.0.0.07 & Image Streamer 4.0.0.07 | | |
| 2017-10-03-0324         | 2017-10-11-0323          |                          |
| 2017-10-23-0323         | 2017-10-25-0323          |                          |
| 2017-10-27-1255SPCM     | 2017-10-12-1255SPCM      |                          |
| 2017-10-29-1255SPCM     | 2017-10-31-1255SPCM      |                          |
| 2017-12-12-1255SPCM     | 2017-12-14-1255SPCM      |                          |
| 2018-03-20180825        | 2018-03-20180808         | 2018-03-20180805         |
| 2018-06-20180909        | 2018-06-20180910         |                          |

| Composer (HPE-CG) 4.0.0.05 & Image Streamer 4.0.0.05 | | |
| 2017-10-03-0324         | 2017-10-11-0323          |                          |
| 2017-10-23-0323         | 2017-10-25-0323          |                          |
| 2017-10-27-1255SPCM     | 2017-10-12-1255SPCM      |                          |
| 2017-10-29-1255SPCM     | 2017-10-31-1255SPCM      |                          |
| 2017-12-12-1255SPCM     | 2017-12-14-1255SPCM      |                          |
| 2018-03-20180825        | 2018-03-20180808         | 2018-03-20180805         |
| Not Supported          | Not Supported            |                          |

| Composer (HPE-CG) 4.0.0.12 & Image Streamer 4.0.0.12 | | |
| 2017-10-03-0324         | 2017-10-11-0323          |                          |
| 2017-10-23-0323         | 2017-10-25-0323          |                          |
| 2017-10-27-1255SPCM     | 2017-10-12-1255SPCM      |                          |
| 2017-10-29-1255SPCM     | 2017-10-31-1255SPCM      |                          |
| 2017-12-12-1255SPCM     | 2017-12-14-1255SPCM      |                          |
| 2018-03-20180825        | 2018-03-20180808         | 2018-03-20180805         |
| Not Supported          | Not Supported            |                          |
Tools for Understanding -- Upgrades & Options
HPE Synergy Software Releases

Upgrade Paths for Synergy Management combinations
  − To identify starting versions and ending versions available for Composer and Image Streamer
  − www.hpe.com/info/synergy-fw-upgrade-table

HPE Synergy Firmware Comparison Tool
  − To compare the contents of HPE Synergy Custom SPPs
  − www.hpe.com/info/synergy-fw-comparison-tool

HPE Synergy Software Releases – Overview
  − To identify the Synergy Management combinations supported with Synergy Custom SPP versions
  − www.hpe.com/downloads/synergy

HPE SPOCK
  − Single Point of Connectivity Knowledge for HPE Storage Products
  − Drivers for HPE products and some partner products
# Upgrade Paths

## HPE Synergy Management combinations

<table>
<thead>
<tr>
<th>HPE Synergy Composer ending version (To)</th>
<th>3.00.08</th>
<th>3.10.07</th>
<th>3.10.08</th>
<th>3.10.10</th>
<th>4.00.07</th>
<th>4.00.07.02</th>
<th>4.00.09</th>
<th>4.00.10</th>
<th>4.00.11</th>
<th>4.10.03</th>
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</table>

| Management combination |

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<thead>
<tr>
<th>HPE Synergy Image Streamer ending version (To)</th>
<th>3.00.05</th>
<th>3.10.02</th>
<th>3.10.03</th>
<th>3.10.03</th>
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</table>

### Notes

* Update .bin files have been removed and are no longer available for:
  * Synergy Composer 3.10.04, 4.00.05, and 4.10.01
  * Synergy Image Streamer 4.00.02 and 4.10.03

Synergy Firmware Comparison Tool

To compare the contents of HPE Synergy Custom SPPs...

1. Select a Synergy Management combination

2. Select Synergy Custom SPP’s to compare

See webpage for interactive tool: www.hpe.com/info/synergy-fw-comparison-tool
User Experience
Navigating thru HPE Software Depot & HPE Support Center
Web User Experience for Firmware Updates
HPE Synergy Software Releases

2) Direct

Entry Points

1) Overview

OVERVIEW

www.hpe.com/downloads/synergy

*License Entitlement Not Required

HPE Software Depot

Recommended Synergy Management combinations

KIOSKs
- Synergy Management combination
  - SW download for recommended version only
  - SW downloads for Update & Recovery files
- Synergy Custom SPP
  - SW download for recommended version only

ARCHIVE KIOSK
- Synergy Management combinations
  - Recovery files for all
- Synergy Custom SPP's
  - All versions

*License Entitlement Required for Downloads

HPE Support Center
### HPE Synergy Software Releases

#### Overview

Primary webpage for guidance in Software Depot


*Recommended versions are shown in bold font*

### 4.10 RELEASES

<table>
<thead>
<tr>
<th>HPE SYNERGY MANAGEMENT combinations</th>
<th>OCT Base SPP - 2017.10.1</th>
<th>MARCH Base SPP - 2018.03.0</th>
<th>JUNE Base SPP - 2018.06.0</th>
<th>SEPT Base SPP - 2018.09.0</th>
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</thead>
<tbody>
<tr>
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<td>2018.03.201805928, 2018.03.201805028, 2018.03.201805008</td>
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<td>Composer (HPE-CQ) 4.10.01 &amp; Image Streamer 4.10.03</td>
<td>2017.10.20160324, 2017.10.20160323</td>
<td>2017.10.2017215255RCM, 2017.10.201721515</td>
<td>2017.10.201720586RCM, 2017.10.201721500</td>
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### 4.09 RELEASES

<table>
<thead>
<tr>
<th>HPE SYNERGY CUSTOM SPP's</th>
<th>OCT Base SPP - 2017.10.1</th>
<th>MARCH Base SPP - 2018.03.0</th>
<th>JUNE Base SPP - 2018.06.0</th>
<th>SEPT Base SPP - 2018.09.0</th>
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<td>Composer (HPE-CQ) 4.0.0.08 &amp; Image Streamer 4.0.0.04</td>
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<td>Composer (HPE-CQ) 4.0.0.07 &amp; Image Streamer 4.0.0.04</td>
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<td>Composer (HPE-CQ) 4.0.0.05 &amp; Image Streamer 4.0.0.02</td>
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<tr>
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<td>Not Supported, Not Supported, Not Supported</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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*Hewlett Packard Enterprise*
# HPE Synergy Software Release Process

1. Select your Management combination

2. Identify your ‘Base SPP’ version

3. Identify your ‘Synergy Custom SPP’ (selected at ‘Kiosk’ webpage)

4. Follow link to ‘Kiosk’ webpage

View from HPE Software Depot ‘Overview’ webpage
www.hpe.com/downloads/synergy
HPE SYNERGY SOFTWARE RELEASES: COMPOSER 4.10.03 and IMAGE STREAMER 4.10.04

By downloading, you agree to the terms and conditions of the Hewlett Packard Enterprise Software License Agreement.

**Note:** Some software requires a valid warranty, current Hewlett Packard Enterprise support contract, or a license fee.

<table>
<thead>
<tr>
<th>Type</th>
<th>Firmware (Entitlement Required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td>Comp4.10.03-ImgStmr4.10.04(12 Oct 2018)</td>
</tr>
<tr>
<td>Operating System(s)</td>
<td>OS Independent</td>
</tr>
</tbody>
</table>

Welcome to the HPE Synergy Composer 4.10.03 and HPE Synergy Image Streamer 4.10.04 Management combination support page. Please open the IMPORTANT tab on this page to determine HPE Synergy Custom SPPs that are available for use with this HPE Synergy Management combination.
HPE Synergy Software Releases (Synergy Management combination)

For HPE Synergy Composer and Image Streamer Upgrade Paths:
www.hp.com/go/P15661ence-upgrade-table

HPE Synergy Firmware Comparison Tool
To compare the contents of HPE Synergy Custom SPUs, please visit:

VMware Support for HPE Synergy Software Releases
For VMware support:
https://www.vmware.com/resources/compatibility/search.html
For VMware vSAN support:
https://www.vmware.com/resources/compatibility/search.html?DeviceCategory=vSAN

Complex Programmable Logic Device (CPLD) updates
Using this HPE Synergy Management combination, Complex Programmable Logic Device (CPLD) updates may now be applied without execution of a profile-rop. Please see Customer Advisory:
https://support.hpe.com/hps-support/diagº/diag?uri=cn-a00215812en_us

The following HPE Synergy Custom SPUs are supported with the HPE Synergy Composer 4.10.03 and HPE Synergy Image Streamer 4.10.04 Management combination:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>System ROM HPE Synergy 410 Gen9</td>
<td>137 2.60 05/22/2018</td>
<td>System ROM HPE Synergy 410 Gen9 137 2.60 05/22/2018</td>
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<tr>
<td>System ROM HPE Synergy 660 Gen9</td>
<td>159 2.60 05/22/2018</td>
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</tr>
<tr>
<td>System ROM HPE Synergy 610 Gen9</td>
<td>160 2.60 05/22/2018</td>
<td>System ROM HPE Synergy 610 Gen10 163 1.42 06/20/2018</td>
</tr>
<tr>
<td>System ROM HPE Synergy 410 Gen9</td>
<td>142 1.42 06/20/2018</td>
<td>System ROM HPE Synergy 410 Gen10 142 1.42 06/20/2018</td>
</tr>
</tbody>
</table>
KIOSK webpage – Example
HPE Synergy Software Releases
(Synergy Management combination)

Drivers & software

HPE SYNERGY SOFTWARE RELEASES: COMPOSER 4.10.03 and IMAGE STREAMER 4.10.04

By downloading, you agree to the terms and conditions of the Hewlett Packard Enterprise Software License Agreement.

Note: Some software requires a valid warranty, current Hewlett Packard Enterprise support contract, or a license fee.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Enhancements</th>
<th>Installation Instructions</th>
<th>Fixes</th>
<th>Important</th>
<th>Revision History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firmware</td>
<td>Comp4.10.03-ImgStmr4.10.04(12 Oct 2018)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Operating System(s)</td>
<td>OS Independent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

End User License Agreements:
HP Software License Agreement v1

Upgrade Requirement:
Optional - Users should update to this version if their system is affected by one of the documented fixes or if there is a desire to utilize any of the enhanced functionality provided by this version.

INFORMATION TAB: “Release Notes”
Support & instructions for specific customized VMware ESXi releases (by supported Synergy Custom SPP)
## HPE Synergy Software Releases

(Synergy Management combination)

### HPE SYNERGY SOFTWARE RELEASE — Component Files and Software Links

The recommended software combinations shown below have been developed, tested, and released together. Download links are provided at the bottom of this webpage.

- For Composer and Image Streamer, a choice of downloads is provided: firmware updates to existing images, and complete images for recovery in the event that re-imaging of the system is needed.
- **Installation Instructions** – See HPE Synergy product documentation
- **Recommended versions** are shown in bold font in the following table.

<table>
<thead>
<tr>
<th>HPE Synergy Management combination</th>
<th>Updates</th>
<th>Recovery (Complete dd Images)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composer 4.10.03</td>
<td>Z7550-96544.bin</td>
<td>Z7550-96545.zip</td>
</tr>
<tr>
<td>Image Streamer 4.10.04</td>
<td>Z7550-96563.bin</td>
<td>Z7550-96564.zip</td>
</tr>
<tr>
<td><strong>HPE Synergy Custom SPP’s (Solutions)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Synergy Custom SPP 2018.09.20180919</td>
<td>Z7550-96560.iso</td>
<td>Does Not Apply</td>
</tr>
<tr>
<td>Synergy Custom SPP 2018.06.20180709</td>
<td>Z7550-96524.iso</td>
<td>Does Not Apply</td>
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<tr>
<td>Synergy Custom SPP 2018.06.20180619</td>
<td>Z7550-96549.iso</td>
<td>Does Not Apply</td>
</tr>
<tr>
<td>Synergy Custom SPP 2018.03.20180928</td>
<td>Z7550-96561.iso</td>
<td>Does Not Apply</td>
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<tr>
<td>Synergy Custom SPP 2018.03.20180628</td>
<td>Z7550-96517.iso</td>
<td>Does Not Apply</td>
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<tr>
<td>Synergy Custom SPP 2018.03.20180508</td>
<td>Z7550-96479.iso</td>
<td>Does Not Apply</td>
</tr>
<tr>
<td>Synergy Custom SPP 2017.10.20180324</td>
<td>Z7550-96494.iso</td>
<td>Does Not Apply</td>
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<tr>
<td>Synergy Custom SPP 2017.10.20180323</td>
<td>Z7550-96493.iso</td>
<td>Does Not Apply</td>
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<tr>
<td>Synergy Custom SPP 2017.10.20171215SRM</td>
<td>Z7550-96650.iso</td>
<td>Does Not Apply</td>
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<tr>
<td>Synergy Custom SPP 2017.10.20171215</td>
<td>Z7550-96455.iso</td>
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<td>Synergy Custom SPP 2017.10.20171206SROM</td>
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<td>Does Not Apply</td>
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<tr>
<td>Synergy Custom SPP 2017.10.20171206</td>
<td>Z7550-96454.iso</td>
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<tr>
<td>Synergy Custom SPP 2017.10.20171108</td>
<td>Z7550-96444.iso</td>
<td>Does Not Apply</td>
</tr>
</tbody>
</table>

**Recommended Synergy Software Release**

**Older supported Synergy Custom SPPs**
(directed to the ARCHIVE webpage)
# HPE Synergy Software Releases

## HPE SYNERGY MANAGEMENT – RECOVERY IMAGES

These software downloads for HPE Synergy Composer and HPE Synergy Image Streamer provide complete image:

- **NOTE:** Shading of rows shows ‘paired releases’ of Composer and Image Streamer

<table>
<thead>
<tr>
<th>HPE Synergy Management combinations</th>
<th>Version</th>
<th>Recovery (Complete dd Images)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composer</td>
<td>4.10.03</td>
<td>Z7550-96545.zip</td>
</tr>
<tr>
<td>Image Streamer</td>
<td>4.10.03</td>
<td>Z7550-96551.zip</td>
</tr>
</tbody>
</table>

## HPE SYNERGY CUSTOM SPP’s

These software downloads are for HPE Synergy Custom SPP’s, including older versions. Refer to [HPE Synergy Software Releases – Overview](#) for the versions that are supported with paired Composer and Image Streamer.

<table>
<thead>
<tr>
<th>HPE Synergy Custom SPP’s</th>
<th>Version</th>
<th>Custom SPP Download</th>
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<tbody>
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<td>Synergy Custom SPP (June-2018 SPP)</td>
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<td>2017.10.20180323</td>
<td>Z7550-96493.lso</td>
</tr>
</tbody>
</table>
Navigating to find your specific Custom HPE ESXi Image*

HPE Synergy Software Releases

1. Follow the link for your Synergy Management combination
2. Visit KIOSK webpage (Management combination)
3. Identify your target ESXi image
4. Return to webpage to download your target ESXi image

KIOSK webpage (Management combination)

www.hpe.com/downloads/synergy

INFORMATION TAB: “Release Notes”
Support & instructions for specific customized VMware ESXi releases (by supported Synergy Custom SPP)


* Example of an official product name for a ‘Custom HPE ESXi Image’ -- ‘HPE Custom Image for VMware ESXi 6.7’
HPE Synergy Software Releases
Systems Stability for Workload Solutions

Synergy Software Releases
- Are sets of component firmware and HPE OneView software
- Are required to run Synergy as a complete solution

Synergy Software Releases are sets of tested solutions:
- **Synergy Management combination**
  - Version-specific combinations of appliance firmware for Synergy Composer and Image Streamer
- **Synergy Custom SPP**
  - Firmware versions for Synergy Frames and Compute Modules (with recommended versions for non-managed non-Virtual Connect components)

Tested Software Releases:
- Give the best experience for the Synergy user
- Provide an update process that is solution-focused, to guide Synergy users to appropriate Software/Firmware solution recipes
- Update multiple components through one Firmware Update process.
- Ensure that the Synergy user gets a Custom SPP for Synergy Frames and Compute Modules.

*Synergy Software Releases document the versions of tested software & firmware solutions*
Synergy Update Processes: Best Practices
Tools for Understanding – Compatibility

Upgrade Paths for Synergy Management combinations
– To identify starting versions and ending versions available for Composer and Image Streamer
  – www.hpe.com/info/synergy-fw-upgrade-table

HPE Synergy Firmware Comparison Tool
– To compare the contents of HPE Synergy Custom SPPs
  – www.hpe.com/info/synergy-fw-comparison-tool

VMware vSAN Compatibility
– To ensure SmartArray firmware and driver compatibility

HPE Software Delivery Repository – Vibsdepot
– Contains a wealth of information on the HPE Custom Images and VMware compatible updates
  – http://vibsdepot.hpe.com
Backup the Appliance(s)

HPE OneView Backups are important

Automated backup to Linux or Windows repositories

Don’t forget Image Streamer backups*

* Caution: OS Volumes can’t be backed up from Composer (HPE OneView)
Composer health

Ensure the Composers are in a healthy state

Appliance

Model: Synergy Composer
Firmware
Version: 4.10.03-0364293
Date: Oct 1, 2018
Check the Dashboard for Critical Errors

Resolve any critical issues on:

– Server Profiles
– Logical Enclosures
– Logical Interconnects
Ensure all Interconnects are in a Configured State
Order of Operations Matter

HPE OneView/Composer Updates
Logical Enclosure / Logical Interconnects
Server Profiles
  – Server Profile Templates
  – Individual Server Profiles

Always match firmware and drivers
Notes

– OS volumes deployed to the server cannot be backed up in Image Streamer.
– SPP is not supported in the backup.
HPE Synergy Software Releases

– Solutions-tested software for system stability

– Documented versions of software, firmware, and drivers

– Recommended software solutions

– Continuous improvements to respond to technology and market changes

– Follow best practices for system updates

*Systems Stability for Workload Solutions*
REFERENCES

HPE Synergy Software Releases and Update Processes

HPE Synergy Software Releases – Overview
Maps supported Synergy management combinations to supported Synergy Custom SPPs.
http://www.hpe.com/downloads/synergy

Upgrade Paths for Synergy Management combinations
Allows you to identify starting versions and ending versions available for Composer and Image Streamer
www.hpe.com/info/synergy-fw-upgrade-table

HPE Synergy Firmware Comparison Tool
Allows you to compare the contents of HPE Synergy Custom SPPs for supported management combinations.
www.hpe.com/info/synergy-fw-comparison-tool
REFERENCES

HPE Synergy Software Releases and Update Processes

Best Practices for HPE Synergy Firmware and Driver Updates
Provides instructions on updating HPE Synergy firmware and drivers.
www.hpe.com/info/synergy-docs

HPE SPOCK

– Single Point of Connectivity Knowledge for HPE Storage Products
– Drivers for HPE products and some partner products

VMware Support for HPE Synergy Software Releases

– Provides guidance for VMware versions and vSAN support.
– For VMware support:
  https://www.vmware.com/resources/compatibility/search.php
– For VMWare vSAN support:
Navigating to find your specific Custom HPE ESXi Image*

HPE Synergy Software Releases

– Aligning HPE Synergy Software Releases with Custom HPE ESXi Images*
  – When the HPE ‘Custom Synergy SPP’ is aligned with HPE ‘Base SPP’, then no changes are required.
  – When the HPE ‘Custom Synergy SPP’ is not aligned with HPE ‘Base SPP’, then additional user actions are needed.

– Finding your Custom HPE ESXi Image* for Synergy use:
  – Scroll down the webpage to ‘Synergy Software’ section (at the bottom)
  – Click the ‘Synergy Software’ section
    – This action will redirect you to our ‘Overview’ webpage for HPE Synergy Software Releases
  – Select the ‘Synergy Management combination’ of the release level of interest (left-hand column)
    – This action will redirect you to the ‘Kiosk’ webpage for that Synergy Management combination
  – Click on the ‘Release Notes’ tab of the Support Center webpage (also known as a ‘Kiosk’ webpage)
    – Look at the specific Synergy Custom SPP that you plan to run
    – Instructions for how to manage with the specific Custom HPE ESXi Image*

* Example of an official product name for a ‘Custom HPE ESXi Image’ -- ‘HPE Custom Image for VMware ESXi 6.7’