



Hewlett Packard
Enterprise

VMware vSphere 6.5 U1 Supplement for HPE Service Pack for ProLiant Gen8

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Document History:

Released	Description
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Table of Contents

Overview	4
Update recommendation:	4
Summary of Changes	5
Important Notes.....	5
Release Summary	5
Compatibility	5
Support	5
Prerequisites	6
Running HP SUM on Linux	6
Deployment Instructions	7
Component Release Notes	8
Driver - Storage Controller.....	8
Driver - Storage Fibre Channel and Fibre Channel Over Ethernet.....	10
Software - Lights-Out Management.....	12
Software - Storage Fibre Channel HBA.....	12
Software - System Management	18

Overview

A Service Pack for ProLiant (SPP) Supplement is a bundle containing software and/or firmware components with HP SUM as the deployment tool. It may include support for a new operating system update or functionality that is not included in the SPP but works with the components in the SPP. The software included in the Supplement will provide support for functionality that is required outside a normal SPP release cycle. Supplements allow HPE to deliver support when it is needed so customers do not have to wait on a full SPP's availability. Once released, the functionality of the SPP Supplement contents is included in the next available SPP.

Hot Fixes associated with an SPP may work with an SPP Supplement. You must review the Hot Fix to verify if it has support for the operating system that is supported in the Supplement. For more information on SPP Hot Fixes, please see the SPP Release Notes located on the [SPP Information Library page](#).

This Supplement is the vSphere 6.5 U1 (Supplement for Service Pack for ProLiant Gen8.1 and provides vSphere 6.5 U1 support for HPE ProLiant Gen8 servers.

For more information on which servers are supported with vSphere 6.5 U1, please visit our OS Support Site at: <http://www.hpe.com/servers/ossupport>.

Product Name	Comment
VMware vSphere 6.5 U1 Supplement for HPE Service Pack for ProLiant Gen8	Bundle containing software components Filename: postprodsp-gen8.2.vsphere.zip

Update recommendation:

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.

Summary of Changes

Important Notes

When the terms, Supplement, Service Pack for ProLiant or SPP are used throughout this document, they refer to all of the deliverables in the Table in the Overview Section unless explicitly stated.

⚠ Before deploying any components to a system, be sure that a recent backup of the system is available in the event the deployment procedure fails.

Release Summary

The summary of this VMware vSphere 6.5 U1 Supplement for HPE Service Pack for ProLiant Gen8 release is:

Added support for VMware vSphere 6.5 U1

You may choose to use the drivers delivered with the vSphere 6.5 U1 distribution instead of those found in this Supplement. The initial release of the distribution drivers may not contain all of the HPE value added features.

Compatibility

This Supplement corresponds with SPP Gen8.1.

HP SUM and all components delivered in this Supplement to the Service Pack for ProLiant (SPP) are tested together and meet the dependencies of the other components in the Service Pack for ProLiant.

Prerequisites

Dependencies

To perform driver and online firmware updates, your VMware environment must meet the following requirements:

- If using a VM to install/run SUM, it must not be running on the same server where the update will be performed
- SUM must have login credentials with read and write permissions. There must be a network connection between the system running SUM and the VMware® ESXi™ host receiving the updates. Check firewall settings between the system running SUM and VMware ESXi host
- Each component may have additional requirements on drivers or other software to be installed on the ESXi host.
- The HPE CIM Providers (HPE Insight Management WBEM Providers) must be running on the ESXi host. HPE CIM Providers (HPE Insight Management WBEM Providers) are available in the following deliverables:
 - The HPE Custom image, which is available at hpe.com/info/esxidownload
 - The HPE ESXi Offline Bundle, which is available at hpe.com/info/esxidownload or from the HPE Online Depot at vibsdepot.hpe.com

Steps to use SUM to perform an online update in a VMware environment

- Run `smartupdate.sh/bat` from the `<SPP>/packages` directory on any Smart Update Manager supported Windows or Linux OS
- Add the Post Production SPP and the Supplement to the SUM Baseline Library
- Add the server running VMware ESXi as a Remote Node
- Proceed with SUM Inventory and Deployment on the Remote Node

Deployment Instructions

The Supplement is designed for use after you install the operating system so that you can update drivers, install HPE utilities (such as Health and iLO drivers), and install agents (Server, NIC, and Storage).

You have a choice when using the SPP Supplement and its corresponding SPP on a supported Linux operating system:

- You can use the drivers and firmware provided in the Supplement and the SPP.
- You will need to use the software from the HPE Custom Image or vibsdepot.
- You can use the firmware provided in the SPP and the drivers and software from the HPE Custom Image or vibsdepot.

If you decide to use the drivers and firmware provided in the Supplement and the SPP, you can follow these steps:

1. Download the SPP .iso file from the SPP download page, <http://www.hpe.com/servers/spp/download> if you want to update firmware and do not already have it locally. See the SPP Gen8.1 Release Notes for more information on SPP deployment.
2. Download the appropriate Supplement from the SPP download page, <http://www.hpe.com/servers/spp/download>
3. Extract the contents of the SPP Supplement and SPP ISO (if needed) to a file share.
4. Determine how you want to access the data on the ISO – bootable USB key, mounted ISO, mounted DVD, etc. Use the appropriate tool to get the SPP ISO in the format you want to access it. The contents of the Supplement can be placed in any directory since the Supplement is a bundle and not an ISO.
5. Initiate deployment.
 - To initiate deployment, go directly to HP SUM 7.6.2 and launch it using the command:/hpsum
 - Follow the instructions on the screen.
 - On the Source Selection screen, set the directories where the contents of the Supplement and the SPP (if needed) as repositories from where to get the components to be installed.

Component Release Notes

Driver - Network
Driver - Storage Controller
Software - Storage Fibre Channel

Driver - Network

HPE Emulex 10/20 GbE iSCSI Drivers for VMware vSphere 6.5

Version: 2016.12.02 (**Optional**)

Filename: cp030598.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CP0xxxxx.xml file.

Enhancements

Initial release.

Supported Devices and Features

These drivers support the following network adapters:

- HP NC551i Dual Port FlexFabric 10Gb Adapter
- HP NC553i 10Gb 2-port FlexFabric Converged Network Adapter
- HP FlexFabric 10Gb 2-port 554FLB Adapter
- HP FlexFabric 10Gb 2-port 554FLR-SFP+ Adapter
- HP FlexFabric 10Gb 2-port 554M Adapter
- HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 556FLR-T Adapter
- HP FlexFabric 20Gb 2-port 650FLB Adapter
- HP FlexFabric 20Gb 2-port 650M Adapter
- HP CN1100E Dual Port Converged Network Adapter
- HP StoreFabric CN1200E Dual Port Converged Network Adapter
- HPE StoreFabric CN1200E-T Adapter

HPE Emulex 10GbE Drivers for VMware vSphere 6.5

Version: 2016.12.02 **(Optional)**

Filename: cp030194.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in *HPE Firmware Flash for Emulex Fibre Channel Host Bus and Converged Network Adapters for VMware vSphere 5.5 and 6.0*, version 2016.04.01 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

This driver supports the following network adapters:

- HP Flex-10 10Gb 2-port 552M Adapter

- HP NC552SFP 10Gb 2-port Ethernet Server Adapter
- HP FlexFabric 10Gb 2-port 554FLB Adapter
- HP FlexFabric 10Gb 2-port 554FLR-SFP+ Adapter
- HP FlexFabric 10Gb 2-port 554M Adapter
- HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 556FLR-T Adapter
- HP Ethernet 10Gb 2-port 557SFP+ Adapter
- HP FlexFabric 20Gb 2-port 650FLB Adapter
- HP FlexFabric 20Gb 2-port 650M Adapter
- HP CN1100E Dual Port Converged Network Adapter
- HP StoreFabric CN1200E Dual Port Converged Network Adapter
- HPE StoreFabric CN1200E-T Adapter

HPE QLogic NX2 10/20 GbE Multifunction Drivers for VMware vSphere 6.0/6.5
 Version: 2016.12.02 (**Optional**)
 Filename: cp031082.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in *HPE QLogic NX2 Online Firmware Upgrade Utility for VMware*, version 1.17.3 or later, for use with this driver.

Enhancements

This product now supports VMware vSphere 6.5.

Supported Devices and Features

These drivers support the following network adapters:

- HP Ethernet 10Gb 2-port 530FLR-SFP+ Adapter
- HP Ethernet 10Gb 2-port 530FLB Adapter
- HP Ethernet 10Gb 2-port 530M Adapter
- HP Ethernet 10Gb 2-port 530SFP+ Adapter
- HP Ethernet 10Gb 2-port 530T Adapter
- HP NC532m Dual Port 10GbE Multifunction BL-c Adapter
- HP Ethernet 10Gb 2-port 533FLR-T Adapter
- HP FlexFabric 10Gb 2-port 534FLB Adapter
- HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
- HP FlexFabric 10Gb 2-port 534M Adapter
- HP FlexFabric 10Gb 2-port 536FLB Adapter
- HP FlexFabric 20Gb 2-port 630FLB Adapter
- HP FlexFabric 20Gb 2-port 630M Adapter
- HP StoreFabric CN1100R Dual Port Converged Network Adapter
- HPE StoreFabric CN1100R-T Dual Port Converged Network Adapter
- HPE Synergy 10Gb 2820C Ethernet Adapter

- HPE Synergy 3820C 10/20Gb Converged Network Adapter

Driver - Storage Controller

HPE Dynamic Smart Array B120i/B320i Controller Driver for VMware vSphere 6.5 (Driver Component).

Version: 2017.11.13 **(Recommended)**

Filename: cp033908.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Enhancements

Added VMware vSphere 6.5 support.

HPE Dynamic Smart Array Controller Driver for VMware vSphere 6.5 (Bundle file).

Version: 5.5.0.102-1 **(Recommended)**

Filename: hpvsa-5.5.0.102-1.zip

Enhancements

Added VMware vSphere 6.5 support.

HPE H2xx SAS/SATA Host Bus Adapter (AMD64/EM64T) Driver for vSphere 6.5

Version: 15.10.07.00-1 **(Optional)**

Filename: mpt2sas-15.10.07.00-esxi5.5-4778920.zip

Fixes

Fixes minor installation issue with the driver on VMware vSphere 6.5.

Supported Devices and Features

NOTE: HPE H221 Host Bus Adapter does not support connection to D2600, D2700, and D6000 Disk Enclosures with Gen9 servers.

HPE H2xx SAS/SATA Host Bus Adapter (AMD64/EM64T) Driver for vSphere 6.5 (Driver Component).

Version: 2017.01.20 **(Optional)**

Filename: cp031658.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Fixes

Fixes minor installation issue with the driver on VMware vSphere 6.5.

Supported Devices and Features

NOTE: HPE H221 Host Bus Adapter does not support connection to D2600, D2700, and D6000 Disk Enclosures with Gen9 servers.

HPE ProLiant Smart Array Controller Driver for VMware vSphere 6.5 (Bundle file)

Version: 2.0.14-1 (**Recommended**)

Filename: VMW-ESX-6.5.0-nhpsa-2.0.14-5036227.zip

Fixes

- Fixes Latency issues where queue depth for controller was being incorrectly returned for certain devices.

HPE ProLiant Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).

Version: 2017.01.16 (**Recommended**)

Filename: cp031600.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Fixes

- Fixes Latency issues where queue depth for controller was being incorrectly returned for certain devices.

Software - Storage Fibre Channel

Emulex Fibre Channel driver component for VMware vSphere 6.5

Version: 2016.11.04 (**Recommended**)

Filename: cp032945.zip

Important Note!

This component is intended to be used by HP applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HP vibsdepot.hp.com webpages, plus an HP specific CPXXXX.xml file.

Fixes

This driver version, 11.1.257.0, resolves an unexpected termination of the ESX operating system. For more details please go through the document titled "Host Bus Adapters - Fibre Channel Driver lpfc 11.1 Might Encounter a Purple Diagnostic Screen Displaying Page Fault #PF Exception 14 on VMware ESXi 6.5" at the following link:

http://h20566.www2.hp.com/hpsc/doc/public/display?docId=emr_na-a00022166en_us

Enhancements

Updated driver version 11.1.257.0

Supported Devices and Features

- HP NC553i 10Gb 2-port FlexFabric Converged Network Adapter
- HP SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HP SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter
- HP 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter
- HP 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter
- HP CN1100E Dual Port Converged Network Adapter
- HP FlexFabric 10Gb 2-port 554M Adapter
- HP FlexFabric 10Gb 2-port 554FLR-SFP+ Adapter
- HP FlexFabric 10Gb 2-port 554FLB Adapter
- HP LPe1205A 8Gb Fibre Channel Host Bus Adapter for BladeSystem c-Class
- Emulex LPe1205 8Gb Fibre Channel Host Bus Adapter for c-Class BladeSystem
- HP SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HP SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter
- HP Fibre Channel 16Gb LPe1605 Mezz
- HP StoreFabric CN1200E Dual Port Converged Network Adapter
- HP FlexFabric 20Gb 2-port 650FLB Adapter
- HP FlexFabric 20Gb 2-port 650M Adapter
- HP FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 556FLR-T Adapter
- HPE StoreFabric CN1200E-T 10GBASE-T Converged Network Adapter
- HP StoreFabric 84E 4-port Fibre Channel Host Bus Adapter
- HPE Synergy 3530C 16Gb Fibre Channel Host Bus Adapter
- HPE StoreFabric SN1100E 4P 16Gb FC HBA

QLogic Fibre Channel driver component for VMware vSphere 6.5
Version: 2016.11.02 (**Recommended**)
Filename: cp033697.zip

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPXXXX.xml file.

Fixes

This driver version resolves the following:

- Corrected multiple PSODs
- Corrected instance where the system terminates unexpectedly while running scsi passthru traffic
- Corrected instances where certain port states were not being displayed properly in a user-space application

Enhancements

Updated the driver component for VMware vSphere 6.5 with driver version 2.1.50.0.

Supported Devices and Features

- HP 81Q PCIe Fibre Channel Host Bus Adapter
- HP 82Q 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter
- QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for c-Class BladeSystem
- HP QMH2572 8Gb Fibre Channel Host Bus Adapter for c-Class BladeSystem
- HP StoreFabric SN1000Q 16Gb Fibre Channel Host Bus Adapter
- HP QMH2672 16Gb FC HBA for c-Class BladeSystem
- HP CN1000Q Dual Port Converged Network Adapter
- HP FlexFabric 10Gb 2-port 526FLR-SFP+ Adapter
- HP StoreFabric SN1000Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter
- HP StoreFabric SN1000Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
- HP Synergy 3830C 16G Fibre Channel Host Bus Adapter
- HPE StoreFabric SN1100Q 16Gb 2P FC HBA
- HPE StoreFabric SN1100Q 16Gb 1P FC HBA
- HPE StoreFabric 84Q 4P 8Gb Fibre Channel HBA

See the [Service Pack for ProLiant Release Notes](#) for more information.

See the [Service Pack for ProLiant Server Support Guide](#) for information on supported servers.