



Hewlett Packard
Enterprise

HPE ConvergedSystem 700x 1.0 Firmware and Software Compatibility Update 2

Abstract

This document is intended for people involved in planning, installing, or maintaining HPE ConvergedSystem 700x. It provides the minimum hardware, firmware, and software requirements for all three HPE ConvergedSystem 700x solutions: HPE ConvergedSystem 700x, HPE ConvergedSystem 700x for Microsoft and HPE ConvergedSystem 700x for VMware.

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1 Overview

The HPE ConvergedSystem 700x is an integrated solution with specific software and firmware versions, qualified at time of delivery. This document provides information for all three ConvergedSystem 700x solutions:

- HPE ConvergedSystem 700x (SKU 727178–B21)
- HPE ConvergedSystem 700x for Microsoft (SKU 727177–B21)
- HPE ConvergedSystem 700x for VMware (SKU 721223–B21)

The ConvergedSystem 700x is designed for solution level support across all components within the solution. Unless instructed by the Hewlett Packard Enterprise Customer Response Center in response to a support case, you do not need to update the software and firmware versions within the solution until the support window expires. The software/firmware compatibility was created using the HPE Support Pack for ProLiant (SPP) version 2013.09.0(B) as the baseline and has been updated to support SPP version 2014.06.0. Hewlett Packard Enterprise supports each SPP version for 12 months.

The Hewlett Packard Enterprise Customer Response Center may instruct you to apply specific hot fixes to address potential issues. Hot fixes are supported as part of the solution level support criteria for the ConvergedSystem 700x solution.

- ⓘ **IMPORTANT:** Before updating any software or firmware versions, contact the Hewlett Packard Enterprise Customer Response Center. For more information, see [“Support and other resources” \(page 15\)](#). Any firmware or software updates applied which are later than the compatibility listing will change the solution level support experience and must be accepted by the Hewlett Packard Enterprise Customer Response Center.

HPE ConvergedSystem 700x solution revision history

Version	Date	Description
1.0	9 Dec 2013	Initial release
1.05	7 Jul 2014	Updated HPE 3PAR information
1.06	29 Jul 2014	Updated HPE 3PAR support statement for Microsoft SMI-S
1.07	5 Aug 2014	Updated to support HPE SPP 2014.06.0

2 Firmware requirements

This chapter provides information for the ConvergedSystem 700x solutions. During solution build out in general, all components in the solution should be at the latest firmware available as provided on the Service Pack for ProLiant (SPP) specified except as noted below.

The firmware information provided applies to all three ConvergedSystem 700x solutions (700x, 700x for Microsoft, and 700x for VMware) unless otherwise specified.

Service Pack for ProLiant

ConvergedSystem 700x was tested and configured with Service Pack for ProLiant (SPP) version 2014.06.0. Systems should be in compliance with this SPP version unless changes are specifically noted in the following sections. SPP can be downloaded from <http://www.hpe.com/info/spp/download>. For the most recent SPP documentation, see <http://www.hpe.com/info/spp/documentation>.

Table 1 Service Pack for ProLiant

Component	Version
Service Pack for ProLiant	2014.06.0
HPE Onboard Administrator firmware	4.22
HPE Virtual Connect firmware	4.20
HPE iLO 4	1.51
HPE ProLiant BL460c Gen8 ROM	2014.02.10
HPE ProLiant DL360p Gen8 ROM	2014.01.10
HPE Smart Array firmware	5.42
HPE 331T firmware	1.38
HPE FlexFabric 554M/FLR firmware	4.9.416.0
HPE 82Q FC HBA firmware	5.09.00

Infrastructure firmware

HPE 5000 series network switches

ConvergedSystem 700x solutions were tested and configured with the following HPE 5000 series firmware versions. Firmware should be at the level listed below. To download the firmware, use the following:

- For HPE Network Switch 5920 – (5900AF-5920AF_7.10.R2208P01), see <https://www.hpe.com/support/NW-SWD-JG296A>.
- For HPE Network Switch 5120-24G EI Switch with 2 Slots – (5120.EI-4210G-4510G_5.20.R2220P01), see <https://www.hpe.com/support/NW-SWD-JE068A>.

HPE SN B-Series fibre channel switches

ConvergedSystem 700x solutions were tested and configured with HPE SN B-series firmware release 7.1.1 (30 Jul 2013). Systems should be in compliance with this firmware release.

For the HPE SN B-Series Fibre Channel Switch Firmware v7.x Smart Component – (7.1.1) (30 Jul 2013) download and updates, see <http://www.hpe.com/support/IPDU>.

HPE Intelligent Power Distribution Unit

ConvergedSystem 700x solutions were tested and configured with the HPE Intelligent Power Distribution Unit (iPDU) firmware version 1.5. Systems should be in compliance with HPE iPDU firmware Update 1.5 (Z7550-63158.zip). iPDU firmware should be maintained at this level or later.

For the iPDU firmware download, see <https://www.hpe.com/download/IPUD>.

Table 2 Infrastructure firmware

Component	Version
HPN 5920AF firmware	5900AF-5920AF_7.10.R2208P01
HPN 5120 firmware	5120.EI-4210G-4510G_5.20.R2220P01
HPE SN B-Series FC switch firmware	7.1.1
iPDU	1.5

3 Software requirements

Software for HPE ConvergedSystem 700x for VMware

ConvergedSystem 700x for VMware requires the software distributions detailed in the following tables.

Table 3 HPE Insight Control

Component	Version
HPE Insight Control	7.2.2
HPE Insight Control for vCenter	7.2.3

To download the Insight Control software, see <https://www.hpe.com/download/HPICE>.

Table 4 Microsoft Windows Server 2008 R2

Component	Version
Microsoft Windows Server 2008 R2 Enterprise edition	2008 R2 Enterprise (x64) SP1

Table 5 VMware vSphere 5.1 software and drivers

Component	Version
VMware vCenter	5.1 Update 1b build 1235232
VMware vSphere	5.1 Update 1 build 1065491
HPE OEM vSphere Distribution	VMware-ESXi-5.1.0-Update1-1065491-HP-5.61.2-Sep2013
VMware firmware and software recipe	14.x July 2014
HPE Smart Array driver (hpesa)	5.0.0-60
HPE 331T driver (tg3)	3.135b.v50.1
HPE FlexFabric 554M/FLR driver (be2net)	4.9.288.0-10EM.510
HPE FlexFabric 554M FCoE driver (lpfc820)	8.2.4.157.70
HPE 82Q FC HBA driver (qla2xxx)	934.5.20.0-1

To download the VMware vSphere software, use the following:

- For the Hewlett Packard Enterprise customized VMware vSphere Hypervisor 5.1 Update 1, see <https://my.vmware.com/web/vmware/details?downloadGroup=HP-ESXI-5.1.0U1-GA-25APR2013&productId=327>.
- For the VMware vCenter Server 5.1.0 Update 1 build, see <https://my.vmware.com/group/vmware/details?productId=285&rPid=4908&downloadWeb=VCL-VSP510-VC-51U1B>.

HPE VMware firmware and driver support

For the latest requirements for HPE ProLiant servers, see the ProLiant server and option firmware and driver support recipe located at <http://www.hpe.com/info/vmware-recipes>. The July 2014 recipe is paired with the 2014.06.0 release of the SPP.

Software for HPE ConvergedSystem 700x for Microsoft

ConvergedSystem 700x for Microsoft requires the software distributions detailed in the following tables.

Table 6 HPE Insight Control

Component	Version
HPE Insight Control for System Center	7.2

The components of the Insight Control for System Center 7.2 are:

- Storage management pack
- Blade management pack
- ProLiant management pack

To download the Insight Control for System Center 7.2 software, see <https://www.hpe.com/download/HPICE>.

Table 7 Microsoft Windows operating systems

Component	Version
Microsoft Windows Server 2008 R2 Enterprise edition	2008 R2 Enterprise (x64) SP1
Microsoft Windows Server 2012 Datacenter	2012 Datacenter

The components of the Microsoft Windows operating systems include:

- Microsoft Windows Server 2012 Datacenter
- Microsoft Windows Server 2008 R2 Enterprise
- SQL Server 2012 SP1 (Enterprise recommended)
- System Center 2012 - Operations Manager SP1
- System Center 2012 - Virtual Machine Manager SP1
- System Center 2012 - App Controller SP1
- System Center 2012 - Service Manager SP1
- System Center 2012 - Orchestrator SP1
- SharePoint Foundation 2010 SP1

4 HPE StoreServ 3PAR storage solution

Definitions of HPE 3PAR OS releases

P _x	Patch applied to HPE 3PAR OS. For example, P16 or P39.
MU _x	Maintenance Update applied to 3PAR OS. For example, MU1 or MU5.
Major release	A new major operating system introduced by 3PAR. For example, upgrading from 3PAR OS 3.1.2 MU3 to 3PAR OS 3.1.3 MU1.
Minor release	All patches and Maintenance Updates applied to a specific 3PAR Operating System. For example, upgrading from 3.1.2 to 3.1.2 MU3 or applying P16, P28, and P30.

Definitions of HPE 3PAR software releases

Major release	A new major software version introduced by 3PAR. For example, upgrading HPE 3PAR Recovery Manager for VMware from 2.4.0 to 2.5.0.
Minor release	All patches and Maintenance Updates applied to a specific HPE 3PAR Software. For example, upgrading RMV from 2.4.0 to 2.4.0 P1 or upgrading system reporter from 3.1.0 to 3.1.0 MU2.

VMware

General support statement

ConvergedSystem 700x for VMware supports only the major releases of 3PAR Operating Systems and software listed in this document and all of their associated minor releases. Additionally, Converged System 700x for VMware supports all release updates to 3PAR major releases of 3PAR software stack listed below. This includes all software required to support the OS such as service processor, recovery manager, system reporter, HPE 3PAR management console and CLI-SNMP software. For any additional requirements, see the [Single Point of Connectivity Knowledge \(SPOCK\) website](#). SPOCK is the primary portal for information about supported Hewlett Packard Enterprise Storage product configurations.

Table 8 Minimum supported versions

Component	Version
HPE 3PAR Inform OS	3.1.2.422 + P11 (EMU2) + P39
Physical Service Processor image	4.1.0.GA-97 + P10
3PAR Management Console	4.4.0
HPE 3PAR CLI-SNMP	3.1.2.422 + P11
HPE 3PAR Management Software Plug-in for VMware vCenter	2.4.0
HPE System Reporter Software	3.1.0
HPE Host Explorer	2.1.0

Table 9 Major supported releases as of the last update of this document

Component	Version
3PAR OS	3.1.2.422-EMU2 + MU _x + P _x 3.1.3.230-MU1 + MU _x + P _x
3PAR Management Software Plug-in for VMware vCenter and HPE Recovery Manager Software for VMware vSphere	2.4.0 + P _x 2.5.0 + P _x

Table 9 Major supported releases as of the last update of this document (continued)

Component	Version
HPE 3PAR System Reporter Software	3.1.0 + MU _x
HPE 3PAR Host Explorer Software	2.1.0 + MU _x

Table 10 Recommended 3PAR configuration as of the last update of this document

Component	Version
3PAR Inform OS	3.1.3.230 (MU1)
Physical Service Processor image	4.2.0.GA-29 P01
3PAR Management Console	4.5.1
3PAR CLI-SNMP	3.1.3.230
3PAR Management Software Plug-in for VMware vCenter and 3PAR Recovery Manager Software for VMware vSphere	2.5.0 P1
3PAR Recovery Manager Software for VMware vSphere	2.5.0 P1
3PAR System Reporter Software	3.1.0 MU2
3PAR Host Explorer Software	2.1.1

Microsoft

General support statement

The following table is representative of the HPE StoreServ 3PAR software revisions supported by ConvergedSystem 700x for Microsoft. It critical that you adhere to the list of supported 3PAR OS level and supporting software. Upgrading to a higher revision causes certain SMI-S operations performed by Microsoft System Center Virtual Machine Manager to fail and results in unexpected failures. Users will also encounter failures for certain SMI-S operations when attempting to provision LUNs to new hosts added into the Microsoft System Center Virtual Machine Manager console.

Table 11 Supported HPE StoreServ 3PAR revisions

Column Head	Column Head
HPE 3PAR InForm OS software	3.1.2.422 EMU2 + P39
Physical Service Processor image	4.1.0.GA-97 + P10
3PAR Management Console	4.4.x
3PAR CLI-SNMP	3.1.2.422
3PAR Host Explorer software	2.1.0

Foundation

General support statement

HPE ConvergedSystem (727178-B21) ships without any operating system or hypervisor installed; the supported version of the 3PAR operating system and associated software is dependent on the operating systems and/or hypervisors installed on the hardware.

Installation of VMware vSphere or Linux on the physical hardware should comply with the versions defined in this document for the ConvergedSystem for VMware. Installation of Microsoft operating systems on the physical hardware should comply with the versions defined in this document for

the ConvergedSystem for Microsoft. For any additional requirements, see the [Single Point of Connectivity Knowledge \(SPOCK\) website](#).

References

For more information about the StoreServ 3PAR storage solution, see the following:

- HPE StoreServ 3PAR configuration matrices for Hewlett Packard Enterprise supported configurations
<http://www.hpe.com/storage/spock>
- StoreServ 3PAR Software
<http://www.hpe.com/storage/spock>
- StoreServ 3PAR with Windows 2012
<http://www.hpe.com/storage/spock>
- StoreServ 3PAR with VMware
<http://www.hpe.com/storage/spock>
- Insight Control Storage Module for vCenter Support with HPE Storage
<http://www.hpe.com/storage/spock>

5 Summary table

Table 12 Summary compatibility matrix

Component	Version	VMware	Microsoft	700x
Service Pack for ProLiant				
Service Pack for ProLiant	2014.06.0	X	X	X
Onboard Administrator firmware	4.22	X	X	X
Virtual Connect firmware	4.20	X	X	X
iLO 4	1.51	X	X	X
ProLiant BL460c Gen8 ROM	2014.02.10	X	X	X
ProLiant DL360p Gen8 ROM	2014.02.10	X	X	X
Smart Array firmware	5.42	X	X	X
331T firmware	1.38	X	X	X
FlexFabric 554M/FLR firmware	4.9.416.0	X	X	X
82Q FC HBA firmware	5.09.00	X	X	X
Infrastructure firmware				
HPN 5920AF firmware	5900AF-5920AF_7.10.R2208P01	X	X	X
HPN 5120 firmware	5120.EI-4210G-4510G_5.20.R2220P01	X	X	X
SN B-Series FC Switch firmware	7.1.1	X	X	X
iPDU	1.5	X	X	X
Microsoft Windows operating systems				
Windows OS	Windows Server 2008 R2 (x64) SP1	X	X	N/A
Windows OS	Windows Server 2012 Datacenter	N/A	X	N/A
HPE Insight Control				
Insight Control	7.2.2	X	N/A	N/A
Insight Control for vCenter	7.2.3	X	N/A	N/A
Insight Control for System Center	7.2	N/A	X	N/A
HPE StoreServ 3PAR				
3PAR InForm OS software	3.1.2.422 + MU _x + P _x 3.1.3.230 + MU _x + P _x	X	Refer to Microsoft 3PAR support	X
HPE 3PAR Recovery Manager software for VMware vSphere	2.4.0 + P _x 2.5.0 + P _x	X	N/A	N/A
3PAR Management Software Plug-in for VMware vCenter	2.4.0 + P _x 2.5.0 + P _x	X	N/A	N/A
3PAR System Reporter software	3.1.0 + MU _x	X	Refer to Microsoft 3PAR support	X

Table 12 Summary compatibility matrix (continued)

3PAR Management Console	4.4.x 4.5.x	X	Refer to Microsoft 3PAR support	X
3PAR CLI-SNMP	3.1.2.422 + MU _x + P _x 3.1.3.230 + MU _x + P _x	X	Refer to Microsoft 3PAR support	X
3PAR Host Explorer software	2.1.0 + MU _x	X	Refer to Microsoft 3PAR support	X
Physical Service Processor image	4.1.0.GA-97 + P10 + MU _x + P _x 4.2.0 + MU _x + P _x	X	Refer to Microsoft 3PAR support	X
VMware software and drivers				
VMware vCenter	5.1 Update 1b build 1235232	X	N/A	N/A
VMware vSphere	5.1 Update 1 build 1065491	X	N/A	N/A
OEM vSphere Distribution	VMware-ESXi-5.1.0-Update1-1065491-HP-5.61.2-Sep2013	X	N/A	N/A
VMware firmware and software recipe	14.x July 2014	X	N/A	N/A
Smart Array driver (hpesa)	5.0.0-60	X	N/A	N/A
331T driver (tg3)	3.135b.v50.1	X	N/A	N/A
FlexFabric 554M/FLR driver (be2net)	4.9.288.0-10EM.510	X	N/A	N/A
FlexFabric 554M FCoE driver (lpfc820)	8.2.4.157.70	X	N/A	N/A
82Q FC HBA driver (qla2xxx)	934.5.20.0-1	X	N/A	N/A

6 Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
www.hpe.com/assistance
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
www.hpe.com/support/hpesc

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
 - To download product updates, go to either of the following:
 - Hewlett Packard Enterprise Support Center **Get connected with updates** page:
www.hpe.com/support/e-updates
 - Software Depot website:
www.hpe.com/support/softwaredepot
 - To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:
www.hpe.com/support/AccessToSupportMaterials
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- ① **IMPORTANT:** Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HP Passport set up with relevant entitlements.
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Registering for software technical support and update service

ConvergedSystem 700x solutions includes as standard, three years of 24x7 Hewlett Packard Enterprise Proactive care. This service provides access to Hewlett Packard Enterprise technical resources for assistance in resolving software implementation or operations problems.

The service also provides access to software updates and reference manuals in electronic form as they are made available from Hewlett Packard Enterprise . Customers who purchase an electronic license are eligible for electronic updates.

With this service, Insight Management software customers benefit from expedited problem resolution as well as proactive notification and delivery of software updates. For more information about this service, see the following website:

<http://www.hpe.com/services/insight>

Registration for this service takes place following online redemption of the license certificate.

Websites

Website	Link
Hewlett Packard Enterprise Information Library	www.hpe.com/info/enterprise/docs
Hewlett Packard Enterprise Support Center	www.hpe.com/support/hpesc
Contact Hewlett Packard Enterprise Worldwide	www.hpe.com/assistance
Subscription Service/Support Alerts	www.hpe.com/support/e-updates
Software Depot	www.hpe.com/support/softwaredepot
Customer Self Repair	www.hpe.com/support/selfrepair
Insight Remote Support	www.hpe.com/info/insightremotesupport/docs
Serviceguard Solutions for HP-UX	www.hpe.com/info/hpux-serviceguard-docs
Single Point of Connectivity Knowledge (SPOCK) Storage compatibility matrix	www.hpe.com/storage/spock
Storage white papers and analyst reports	www.hpe.com/storage/whitepapers

Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

www.hpe.com/support/selfrepair

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

For more information and device support details, go to the following website:

www.hpe.com/info/insightremotesupport/docs

Documentation feedback

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online help content, include the product name, product version, help edition, and publication date located on the legal notices page.