HP 3PAR F200/F400 T400/T800 FC Red Hat Enterprise Linux Virtualization

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Overview

This document contains information regarding compatibility and interoperability for a "configuration set" of Storage Area Network (SAN) components. A configuration set is a collection of components that are compatible in a particular context. For example, configuration sets of type "array-os" contain components that are compatible from an array-os perspective. An example of an array-os config set is the "EVA4400 Microsoft Windows Server 2008 IA64" config set. It describes the components that are currently supported for the EVA4400 array in a Windows 2008 IA64 environment.

It is very important that you note the details of the components listed in these tables, as they describe the specific attributes of supported component versions. It is also very important to examine the notes in each section, because they may further limit or clarify supported configurations.

The contents of this document were generated from the SPOCK website, located at: http://spock.corp.hp.com (HP Employees) or http://www.hp.com/storage/spock (HP Customers and Partners) .

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General notes about this configuration set

For specific configuration guidelines and coexistence information, refer to the SAN Design Reference Guide at http://h18000.www1.hp.com/products/storageworks/san/documentation.html.

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Disk Array (12)

Name	Vendor	Family	Firmware	Host Mode
HP 3PAR F200 Storage System	HP	3PAR	3PAR OS 3.1.1	1 (Generic)
HP 3PAR F200 Storage System	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR F200 Storage System	HP	3PAR	3PAR OS 3.1.3	2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR F400 Storage System	HP	3PAR	3PAR OS 3.1.3	2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR F400 Storage System	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR F400 Storage System	HP	3PAR	3PAR OS 3.1.1	1 (Generic)
HP 3PAR T400 Storage System	HP	3PAR	3PAR OS 3.1.1	1 (Generic)
HP 3PAR T400 Storage System	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR T400 Storage System	HP	3PAR	3PAR OS 3.1.3	2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR T800 Storage System	HP	3PAR	3PAR OS 3.1.3	2 (Generic-ALUA) Recommended, 1 (Generic)
HP 3PAR T800 Storage System	HP	3PAR	3PAR OS 3.1.2	1 (Generic)
HP 3PAR T800 Storage System	HP	3PAR	3PAR OS 3.1.1	1 (Generic)

Operating System (13)

Name	OS Family	OS Version	Service Pack	Vendor	Architecture
Red Hat Enterprise Linux 5	Red Hat Virtualization	5	U4	Red Hat	x64
Red Hat Enterprise Linux 5	Red Hat Virtualization	5	U6	Red Hat	x64
Red Hat Enterprise Linux 5	Red Hat Virtualization	5	U9	Red Hat	x64

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Name	OS Family	OS Version	Service Pack	Vendor	Architecture
Red Hat Enterprise Linux 5	Red Hat Virtualization	5	U7	Red Hat	x64
Red Hat Enterprise Linux 6	Red Hat Virtualization	6	U1	Red Hat	x64
Red Hat Enterprise Linux 6	Red Hat Virtualization	6	U2	Red Hat	x64
Red Hat Enterprise Linux 6	Red Hat Virtualization	6	U3	Red Hat	x64
Red Hat Enterprise Virtualization Hypervisor 5 x64	Red Hat Virtualization	5	U7 (2.2)	Red Hat	x64
Red Hat Enterprise Virtualization Hypervisor 5 x64	Red Hat Virtualization	5	U8 (2.2)	Red Hat	x64
Red Hat Enterprise Virtualization Hypervisor 5 x64	Red Hat Virtualization	5	U9 (2.2)	Red Hat	x64
Red Hat Enterprise Virtualization Hypervisor 6 x64	Red Hat Virtualization	6	U4 (3.1)	Red Hat	x64
Red Hat Enterprise Virtualization Hypervisor 6 x64	Red Hat Virtualization	6	U3 (3.0)	Red Hat	x64
Red Hat Enterprise Virtualization Hypervisor 6 x64	Red Hat Virtualization	6	U2 (3.0)	Red Hat	x64

Notes:

General Operating System (13) Notes:
1) Red Hat cluster is supported on RHEL 5 U4 and above and Red Hat 6 U1 and above
2) Virtual Machine clustering is NOT supported.
1) SAN Boot is NOT supported for Red Hat 5 U4 and above and Red Hat 6 U1 and above KVM server.
2) SAN Boot is supported for the Virtual Machines running on Red Hat 5 U4 and above and Red Hat 6 U1 and above KVM server.
3) Xen server in Red Hat 5 U3 is supported.
4) SAN Boot is NOT supported for Xen Server in Red Hat 5 U3.
5) SAN Boot is supported for the Virtual Machines running on Red Hat 5 U3 Xen server.
6) For Red Hat 5 U3, the following Xen Virtual Machine guests are supported in paravirtualized mode: RHEL5u3, W2k3 SP2, RHEL4u7.
7) For Red Hat 5 u3, the following Xen Virtual Machine guest is supported in paravirtualized mode: RHEL5u3
8) For Red Hat 5 U4 and above and Red Hat 6 U1 and above the following KVM guests are supported in fully virtualized mode: Windows 2003 R2 SP2, Windows 2008 R2, SLES 11, RHEL5u4, RHEL5u5, RHEL5u6, RHEL5u7, RHEL5u8
RHEL refers to Red Hat Enterprise Linux with KVM.
Refer to the Red Hat server configurations on SPOCK for supported Fibre channel switches.
Refer to the Red Hat server configurations on SPOCK for supported HBAs and their drivers.

Server (2)

Name	Vendor	Architecture
Link for ProLiant AMD Opteron servers	HP	ProLiant
Link to ProLiant EM64T servers	HP	ProLiant

Notes:

General Server (2) Notes:
1. Link to Proliant AMD64 Notes: ProLiant Server Information for Linux-(http://h18004.www1.hp.com/products/servers/linux/hplinuxcert.html)
2. Link to ProLiant EM64T servers Notes: Proliant Server Information for Linux-(http://h18004.www1.hp.com/products/servers/linux/hplinuxcert.html)
3. For Virtual Connect support information, refer to the Virtual Connect support streams on SPOCK

Path Management (1)

Name	Vendor	Category	Software Version
Native Device Mapper	Red Hat	Multipath	

Notes:

General Path Management (1) Notes:
Multipathing is Active/Active

