



Storage/SAN Compatibility Guide

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Delta Guide

This guide contains only changes since the last edition of this guide. For a full listing of supported shipping storage arrays, please download the Full Storage/SAN Compatibility Guide.

While ESXi 3.5 Embedded and Installable releases are not listed in this Delta Guide, all storage arrays supported on ESX 3.5 releases are also supported on ESXi 3.5 Embedded and Installable releases.

What's New

Changes made in the last 7 days include:

None

Introduction

VMware ESX software has been tested and deployed in a variety of storage network environments. This guide describes the storage devices currently tested by VMware and its storage partners.

ESX, ESXi Embedded and ESXi Installable are equivalent products from a storage compatibility perspective. In this guide we only explicitly list ESX compatibility information. If a product is listed as supported for ESX, the product is also supported for ESXi Embedded and ESXi Installable corresponding versions.

Note: ESXi does not support Boot From SAN (Fiber Channel or iSCSI), for all products.

If you are having a technical issue with 3rd party HW/SW and it is not found on this list, please refer to our 3rd Party HW/SW support policy at <http://www.vmware.com/support/policies/ThirdParty.html>.

VMware works closely with each of its OEMs to drive towards mutual support of ESX at the time of announcement. Due to different product release cycles, levels of testing, and OEM agreements, not all OEM devices will be supported at the general availability date of a new version of ESX. We recommend contacting the OEM vendor for the best information on when their device is planned to be certified with Virtual Infrastructure.

For further details about array firmware, storage product configurations and best practices, please contact the storage vendor.

NOTE: The use of an external enclosure, or JBOD connected to a supported SAS/SCSI controller in a supported server is supported, as long as there is no disk sharing among multiple servers or SAS/SCSI cards.

There are several items on the ESX 2.5.x SAN Compatibility Guide (http://www.vmware.com/pdf/esx_SAN_guide.pdf) that are not on this 3.x list. Please contact your storage vendors for plans regarding these items.

Windows Clustering (MSCS) with ESX 3.0.x

Windows Clustering refers Cluster Services in Windows 2003 and 2000 in a shared disk configuration between two virtual machines or a virtual machine and a physical system. Such clustering is certified only with a subset of arrays listed in this guide.

Windows Clustering (MSCS) with ESX 3.5.x

MSCS is supported with ESX 3.5 with both 32 bit and 64 bit VMs running Windows 2003. Only 4Gb HBAs are supported with MSCS and ESX 3.5. Before installing VMware ESX 3.5 software with your storage array, please examine the lists on the following pages to find out whether your array and configuration are supported. Please refer to your storage vendor for more information and configuration details. a subset of arrays listed in this guide. It is supported with ESX 3.5 with both 32 bit and 64 bit VMs running Windows 2003. Only 4Gb HBAs are supported with MSCS and ESX 3.5. Before installing VMware ESX 3.5 software with your storage array, please examine the lists on the following pages to find out whether your array and configuration are supported. Please refer to your storage vendor for more information and configuration details.

Fibre Channel SANs

For Fibre Channel SANs, VMware tests the following configurations:

- * Basic Connectivity - The ability of ESX 3.x hosts to recognize and interoperate with the storage array. This configuration does not allow for multipathing or any type of failover.
- * Multipathing - The ability of ESX 3.x hosts to handle multiple paths to the same storage device.
- * HBA Failover - In this configuration, the ESX 3.x host is equipped with multiple HBAs connecting to one or more SAN switches. The server is robust to HBA and switch failure only.
- * Storage Port Failover - In this configuration, the ESX 3.x host is attached to multiple storage ports and is robust to storage port failures.
- * Windows Clustering (MSCS) Support - Windows Clustering support applies to Windows 2000 SP4, Windows 2003 RTM, SP 1, R2 and SP 2. For ESX version requirements for these operating systems in cluster environment, please refer to <http://kb.vmware.com/kb/2021>. Clustering is supported only with a limited set of HBAs; please refer to the I/O Compatibility Guide (http://www.vmware.com/pdf/vi3_io_guide.pdf) for the list of HBAs not supported with Windows Clustering.
- * Boot from SAN - In this configuration, the ESX 3.x host boots from a LUN stored on the SAN rather than a local disk.
- * Direct Connect - In this configuration, the ESX 3.x host is directly connected to the array (that is, no switch between HBA and the array). Clustering is not supported in this configuration.

NOTE: MSCS is not supported, unless footnoted.

NOTE: MSCS is not supported for Direct Connect.

NOTE: Only footnoted storage arrays are supported with Brocade 415 and 425 HBAs.

NOTE: Unless otherwise footnoted, all fibre channel arrays are supported with both 2Gb and 4Gb FC HBAs on ESX

NOTE: For ESX 3.5 U2 onwards unless otherwise footnoted, all fibre channel arrays are supported with 2Gb, 4Gb and 8Gb FC HBAs on ESX.

NOTE: For devices with external SAN storage support, please refer to Storage Virtualization Device (SVD).

Storage Virtualization Device (SVD)

VMware supports Storage Virtualization Devices (SVD) with ESX 3.0.2 or later.

- * Backend storage arrays must be listed on both the ESX 3.x Storage/SAN Compatibility Guide and the SVD Vendor supported list.

- * Do not share the same LUN of the backend storage array between SVD and any other host.
- * Only devices that are listed with Array Type SVD are allowed to connect to external Fibre Channel SAN storages.
- * Only Fibre Channel protocol from SVD device to ESX is supported.

Storage Arrays supported with FCoE CNAs

Fibre Channel Over Ethernet Converged (FCoE) Network Adapters (CNAs) can be concurrently connected to Fibre Channel Fabrics and Ethernet networks, through FCoE capable switches. Certified Fibre Channel arrays will be listed soon. Only the Fibre Channel arrays that will be listed with this array type are certified to work and supported with FCoE CNAs. CNAs are not yet supported to connect with iSCSI and NFS storage arrays.

Network Attached Storage

The following Linux distributions support network attached storage when used with ESX 3.x software:

- * Red Hat Enterprise Linux 5 NFS Server (Update 2).
- * Red Hat Enterprise Linux 3 NFS Server (Update 5).
- * Fedora Core 4 NFS Server (2.6.12-1.1456_FC4.9550smp).
- * Fedora Core 6 NFS Server (2.6.18-1.2798.fc6 #1 SMP) for ESX 3.5 only.

NOTE: Windows Clustering (MSCS) is not supported with NAS.

iSCSI

VMware supports connections to iSCSI arrays using either the software initiator in the kernel or a hardware initiator (iSCSI HBA). Please refer to the I/O Compatibility Guide for a list of hardware initiators that can be used with ESX.

The following maximums are in place when using iSCSI arrays with ESX hosts:

- * Number of HBAs - software (1); hardware (1 dual port or 2 single port)
- * Maximum number of targets - both software and hardware initiator (64)
- * Number of LUNs both software and hardware initiator (254)
- * Number of paths to storage - software (4); hardware (8)

The following configurations are supported for iSCSI storage with the software initiator over a supported NIC:

- * iSCSI Base Connectivity - The ability of an ESX host to recognize the target and interoperate with it.
- * SP failover - In this configuration the ESX host is attached to multiple ports and is robust to storage port failover
- * NIC failover for software initiator - If the Ethernet adapters are teamed and one fails, the other one takes over. Both adapters must be connected to the same physical switch and be on the same subnet (both NICs and iSCSI storage ports).

The following configurations are supported for iSCSI storage with hardware initiators:

- * iSCSI Base Connectivity - The ability of an ESX host to recognize the target over an iSCSI HBA and interoperate with it.
- * SP failover - In this configuration, ESX host is attached to multiple ports over an iSCSI HBA and is robust to storage port failover.
- * Boot from iSCSI - In this configuration, ESX hosts boot from the target iSCSI array rather than from a local disk.
- * iSCSI hardware initiator failover - The ESX host is equipped with multiple hardware initiators and is robust to hardware initiator failover.

NOTE: Windows Clustering is not supported with iSCSI.

NOTE: Software initiated iSCSI is supported fully in ESX 3.0 and later releases. Hardware initiated iSCSI is supported in experimental mode only in ESX 3.0. It is supported fully in ESX 3.0.1 with iSCSI arrays that have been qualified/certified for use with the hardware initiators.

SAS Arrays

For SAS Arrays, VMware tests the following configurations:

- * Basic Connectivity - The ability of ESX 3.5 hosts to recognize and interoperate with the storage array. This configuration does not allow for multipathing, any type of failover, or sharing of LUNs between multiple hosts.
- * Direct Connect - In this configuration, the ESX 3.x host is directly connected to the array (that is, no switch between HBA and the array). Windows Clustering is not supported in this configuration.
- * LUN sharing - The ability of multiple ESX 3.x hosts to share the same LUN.
- * Multipathing - The ability of ESX 3.x hosts to handle multiple paths to the same storage device.
- * HBA Failover - In this configuration, the ESX 3.x host is equipped with multiple HBAs connecting directly to the array. The server is robust to HBA failure only.
- * Storage Port Failover - In this configuration, the ESX 3.x host is attached to multiple storage ports on the same array and is robust to storage port failures.

Storage Array Device and Model Information

The detailed lists show actual vendor devices that are either physically tested or are similar to the devices tested by VMware or VMware partners. VMware provides support only for the devices that are listed in this document

Manufacturer	Model	Array Type	Supported Releases
HDS	AMS 2100	iSCSI	ESX 3.0.2, ESX 3.0.1
HDS	AMS 2300	iSCSI	ESX 3.0.2, ESX 3.0.1
HDS	AMS 2500	iSCSI	ESX 3.0.2, ESX 3.0.1
HDS	AMS 2500	FC	ESX 3.0.2
Hitachi	BR1600	FC	ESX 3.0.2
Overland Storage	Snap Server 650	NAS	ESX 3.0.3 ¹ , ESX 3.0.2 U1 ¹ , ESX 3.0.2 ¹ , ESX 3.0.1 ¹
Overland Storage	Snap Server 620	iSCSI	ESX 3.0.3 ² , ESX 3.0.2 U1 ² , ESX 3.0.2 ² , ESX 3.0.1 ²
Overland Storage	Snap Server 650	iSCSI	ESX 3.0.3 ² , ESX 3.0.2 U1 ² , ESX 3.0.2 ² , ESX 3.0.1 ²
Overland Storage	Snap Server 620	NAS	ESX 3.0.3, ESX 3.0.2 U1, ESX 3.0.2, ESX 3.0.1
Overland Storage	Snap Server 520	iSCSI	ESX 3.0.3 ²

Footnotes:

1. Requires ESX 3.5 Update 1 or higher of the ESX Server version listed in the corresponding column.
2. Please refer to Overland Storage's website for Hardware iSCSI configuration with ESX Server: <http://support.overlandstorage.com/jive/entry.jspa?externalID=7141&categoryID=755>

VMware Knowledge Base Documents:

None

* Device Driver Notes

None

Maximum Storage Specifications Supported

The following system and virtual machine maximums are supported for ESX hosts:

Maximum LUNs per system: 256 (128 during install)

Maximum HBAs per system: 16 ports (4 quad port cards, 8 dual port cards, etc.)

Maximum virtual HBAs per virtual machine: 4

Maximum targets per virtual HBA: 15

Maximum virtual disks per Windows virtual machine: 60

Maximum virtual disks per Linux virtual machine: 60

Maximum number of VMFS file systems per server: 256

Maximum disk space per VMFS: 2TB * # of extents

Maximum file size per VMFS-3 file: Default max file size for VMFS 3 is 256GB (block size of 1MB). This can be configured to a block size of 8MB which will allow a 2TB file.

Maximum number of files per VMFS-3: Supports enough files to hold the maximum number of VMs per VMFS volume supported by ESX 3.0 (typically greater than 30,000 files)

Maximum number of paths per LUN: 32

Maximum number of total paths: 1024

Maximum number of targets per HBA: 15

Minimum VMFS 3 volume size: 1.1 GB

Third-Party Software

Third party backup, replication, and snapshot software is certified and supported by the providers of the software. The ESX 2.5 guide at http://www.vmware.com/pdf/esx25_san_cfg.pdf shows the list of software that was supported with ESX 2.5. Please contact your SAN vendors regarding their plans to support ESX 3.x. As vendors certify software, we will create a list of certified software for ESX 3.x.

SAN Array Model Reference

This section contains information on storage arrays.

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
3PAR	InServ E200	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - MRU *11	3PARdata
3PAR	InServ S400	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 11, 12, 15	3PARdata
3PAR	InServ S800	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	3PARdata
3PAR	T-Class	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	3PARdata
3PAR	InServ E200	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	3PARdata

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
3PAR	InServ S400	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	3PARdata
3PAR	InServ S800	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	3PARdata
3PAR	T-Class	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	3PARdata
AC&NC	JetStor SAS 516F	FC	Active/Active - MRU *12, 15	ACNC
AC&NC	JetStor SAS 516iS	iSCSI	Active/Active - Fixed *6, 11, 12, 15	ACNC
Adaptec	Snap Server 720i	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	ADAPTEC
Adaptec	Snap Server 730i	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	Adaptec iSCSI
Adaptec	Snap Server 750i	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	ADAPTEC
Agami Systems Inc	AIS 1006	iSCSI	Active/Active - Fixed *2, 5, 8, 14	Agami
Agami Systems Inc	AIS 3000	iSCSI	Active/Active - Fixed *2, 5, 8, 14	Agami
Agami Systems Inc	AIS 6000	iSCSI	Active/Active - Fixed *2, 5, 8, 14	Agami
American Megatrends Inc.	3200i	iSCSI	Active/Active - Fixed *6, 11, 12, 15	AMI
American Megatrends Inc.	3200i	NAS	Active/Active - Fixed *6	AMI
BlueArc Corp	Titan 1100	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	BlueArc
BlueArc Corp	Titan 2100	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	BlueArc
BlueArc Corp	Titan 2200	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	BlueArc
BlueArc Corp	Titan 1100	NAS	Active/Active - Fixed *6, 11	BlueArc
BlueArc Corp	Titan 2100	NAS	Active/Active - Fixed *6, 11	BlueArc
BlueArc Corp	Titan 2200	NAS	Active/Active - Fixed *6	BlueArc
Bull	Optima 1200	FC	Active/Passive - MRU *2, 5, 8, 14	iStorage
Bull	Optima 5000	FC	Active/Active - Fixed *2, 5, 8, 14	iStorage
Bull	StoreWay FDA1500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	iStorage
Bull	StoreWay FDA2500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	iStorage
Bull	StoreWay FDA2800	FC	Active/Active - Fixed *1, 2, 5, 8, 14	iStorage
Bull	StoreWay FDA2900	FC	Active/Active - Fixed *1, 6, 11, 12, 15	iStorage
Celeros	XD11	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD11S	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD23	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD23S	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD34	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD34S	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD46S	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
Celeros	XD512	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD56	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Celeros	XD810	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Celeros
Compellent	Storage Center	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Compellent
Compellent	Storage Center	iSCSI	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Compellent
Cybernetics	miSAN D6	iSCSI	Active/Active - Fixed *11, 12, 15	CYBERNET
Cybernetics	miSAN D12	iSCSI	Active/Active - Fixed *11, 12, 15	CYBERNET
Cybernetics	miSAN D8	iSCSI	Active/Active - Fixed *11, 12, 15	CYBERNET
DataCore	SMY-VS5-2970	FC	Active/Passive - MRU *6	DataCore
DataCore	SSY-UNL-P-385	FC	Active/Passive - MRU *6, 11, 12, 15	DataCore
DataCore	SMY-VS5-2970	iSCSI	Active/Passive - MRU *6, 11, 12, 15	DataCore
DataCore	SSY-UNL-P-385	iSCSI	Active/Passive - MRU *6, 11, 12, 15	DataCore
DELL	AX100	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
DELL	AX150	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	AX4-5	FC	Active/Passive - MRU *6, 11, 12, 15	DPG
DELL	Dell/EMC CLARiiON CX200	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
DELL	Dell/EMC CLARiiON CX3-10c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-20	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-20c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-20f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-40	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-40c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-40f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-80	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX300	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX4-120	FC	Active/Passive - MRU *6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX400	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
DELL	Dell/EMC CLARiiON CX500	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX600	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
DELL	Dell/EMC CLARiiON CX700	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	AX150i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	AX4-5i	iSCSI	Active/Passive - MRU *6, 11, 12, 15	DEL
DELL	Dell/EMC AX100i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
DELL	Dell/EMC CLARiiON CX3-10c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
DELL	Dell/EMC CLARiiON CX3-20c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX3-40c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
DELL	Dell/EMC CLARiiON CX300i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
DELL	Dell/EMC CLARiiON CX500i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
DELL	PS5000E	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
DELL	PS5000E	iSCSI	Active/Active - Fixed *6, 11, 12, 15	EQLOGIC
DELL	PS5000X	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
DELL	PS5000X	iSCSI	Active/Active - Fixed *6, 11, 12, 15	EQLOGIC
DELL	PS5000XV	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
DELL	PS5000XV	iSCSI	Active/Active - Fixed *6, 11, 12, 15	EQLOGIC
DELL	PS5500E	iSCSI	Active/Active - Fixed *6	
Dot Hill Systems	5730	FC	Active/Active - Fixed *6, 11, 12, 15	Dot Hill
Dot Hill Systems	R/Evolution 2730	FC	Active/Active - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	DotHill
Dot Hill Systems	R/Evolution 2730T	FC	Active/Active - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	DotHill
Dot Hill Systems	R/Evolution 2330	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	DotHill
Dot Hill Systems	R/Evolution 2530	SAS	Active/Active - Fixed *12, 15	DotHill
EMC	AX100	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
EMC	AX150	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	AX4-5	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS-120	FC	Active/Passive - MRU *6, 11, 12, 15	
EMC	Celerra NS-480	FC	Active/Passive - MRU *6, 11, 12, 15	
EMC	Celerra NS20FC	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS40FC	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NX4	FC	Active/Passive - MRU *2, 5, 8, 6, 11, 12, 15	
EMC	CLARiiON CX200	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
EMC	CLARiiON CX3-10c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-20	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-20c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-20f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-40	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-40c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-40f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-80	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX300	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
EMC	CLARiiON CX4-120	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX4-240	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX4-480	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX4-960	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX400	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
EMC	CLARiiON CX500	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX600	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
EMC	CLARiiON CX700	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Symmetrix 8000 Series	FC	Active/Active - Fixed *1, 2, 5, 8, 14	EMC
EMC	Symmetrix DMX-3	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
EMC	Symmetrix DMX-4	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
EMC	Symmetrix DMX/DMX2	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	AX100i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
EMC	AX150i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	AX4-5i	iSCSI	Active/Passive - MRU *5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra CNS	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS-120	iSCSI	Active/Passive - MRU *6, 11, 12, 15	
EMC	Celerra NS-480	iSCSI	Active/Passive - MRU *6, 11, 12, 15	
EMC	Celerra NS20 Series	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS350 Series	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS40 Series	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS500 Series	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS700 Series	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NS80 Series	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NSX	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	Celerra NX4	iSCSI	Active/Passive - MRU *6, 11, 12, 15	
EMC	CLARiiON CX3-10c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-20c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX3-40c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX300i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
EMC	CLARiiON CX4-120	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX4-240	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX4-480	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
EMC	CLARiiON CX4-960	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
EMC	CLARiiON CX500i	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
EMC	CX300i	iSCSI	Active/Passive - MRU *2, 5, 8, 14	EMC
EMC	CX500i	iSCSI	Active/Passive - MRU *2, 5, 8, 14	EMC
EMC	Symmetrix DMX-3	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
EMC	Symmetrix DMX-4	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
EMC	Celerra NS20 Series	NAS	Active/Active - Fixed *6	EMC
EMC	Celerra NX4	NAS	Active/Passive - MRU *6	
EMC	Iomega ix2	NAS	Active/Active - Fixed *6	
EMC	Invista-Brocade	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	EMC
EMC	Invista-Cisco	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	EMC
Enhance Technology Inc	UltraStor RS16 IP-4	iSCSI	Active/Passive - MRU *6, 11, 12, 15	Enhance Technology
EqualLogic	PS100E	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS200E	iSCSI	Active/Active - Fixed *6, 11, 12, 15	EQLOGIC
EqualLogic	PS300E	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS3600X	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS3600X	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS3600X	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS3700X	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS3700X	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS3700X	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS3800XV	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS3800XV	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS3800XV	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS3900XV	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS3900XV	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS3900XV	iSCSI	Active/Active - Fixed *2, 5, 8, 14	EQLOGIC
EqualLogic	PS400E	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS50E	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
EqualLogic	PS70E	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	EQLOGIC
FalconStor Software	CDPx Gateway	SVD	Active/Active - Fixed *11, 12, 15	FalconStor
FalconStor Software	IPStor Enterprise	SVD	Active/Active - Fixed *11, 12, 15	FALCON
FalconStor Software	NSS Gateway	SVD	Active/Active - Fixed *11, 12, 15	FALCON
FalconStor Software	NSS HC620	iSCSI	Active/Active - Fixed *6, 11, 12, 15	FalconStor

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
FalconStor Software	NSS HC630	iSCSI	Active/Active - Fixed *6, 11, 12, 15	FalconStor
FalconStor Software	NSS HC670	iSCSI	Active/Active - Fixed *6, 11, 12, 15	FalconStor
FalconStor Software	NSS-210	iSCSI	Active/Active - Fixed *2, 5, 8, 14	FALCON
FalconStor Software	NSS-S12	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	FALCON
FalconStor Software	NSS-S24	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	FalconStor
FalconStor Software	NSS-210	FC	Active/Active - Fixed *2, 5, 8, 14	FALCON
FalconStor Software	NSS-S12	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	FALCON
FalconStor Software	NSS-S24	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	FalconStor
FSC	CX300i FLARE 02.19.500.5.109	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
FSC	CX500i FLARE 02.19.500.5.109	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
FSC	FibreCAT CX3-10c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-20c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-40c	iSCSI	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX4-120	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT CX4-240	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT CX4-480	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT CX4-960	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT SX 80iSCSI	iSCSI	Active/Active - Fixed *6, 11, 12, 15	FSC
FSC	CentricStor FS4000	NAS	Active/Passive - MRU *6	n/a
FSC	FibreCAT CX200	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
FSC	FibreCAT CX3-10c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-10c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-20	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-20	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-20c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-20c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-20f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-20f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-40	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-40	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-40c	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-40f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-40f	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX3-80	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
FSC	FibreCAT CX3-80	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX300	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX4-120	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT CX4-240	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT CX4-480	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT CX4-960	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT CX400	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
FSC	FibreCAT CX500	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT CX600	FC	Active/Passive - MRU *1, 2, 5, 8, 14	EMC
FSC	FibreCAT CX700	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	EMC
FSC	FibreCAT S80	FC	Pseudo Active - Fixed *1, 2, 5, 8, 14	FSC
FSC	FibreCAT SX 60	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT SX 80	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	FSC
FSC	FibreCAT SX100	FC	Active/Active - Fixed *6, 11, 12, 15	FSC
FSC	FibreCAT SX88	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	FSC
Fujitsu	ETERNUS 2000 Model 100	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 2000 Model 200	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 2000 Model 50	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 3000	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 4000 Model 100	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 4000 Model 300	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 4000 Model 500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 4000 Model 80	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 1000	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 1100	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 400	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 600	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 700	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 800	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 6000 Model 900	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 8000 Model 1100	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 8000 Model 2100	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 8000 Model 700	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
Fujitsu	ETERNUS 8000 Model 900	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 2000 Model 100	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 2000 Model 200	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 2000 Model 50	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 3000 Model 300	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, - Fixed *11, 12, 15	Fujitsu
Fujitsu	ETERNUS 3000 Model 500	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 3000 Model 700	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 4000 Model 300	iSCSI	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 4000 Model 500	iSCSI	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 8000 Model 1100	iSCSI	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 8000 Model 2100	iSCSI	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 8000 Model 700	iSCSI	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	Fujitsu
Fujitsu	ETERNUS 8000 Model 900	iSCSI	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	Fujitsu
H3C Technologies Company Limited	Neocean IX3040 NI1Z1SC2140	iSCSI	Active/Active - MRU *6, 11, 12, 15	H3C
H3C Technologies Company Limited	Neocean IX3080 NI1Z1SC2280	iSCSI	Active/Active - MRU *6, 11, 12, 15	H3C
H3C Technologies Company Limited	Neocean IX3620 NI1Z1SC22X2	iSCSI	Active/Active - MRU *6, 11, 12, 15	H3C
HDS	AMS 2100	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	AMS 2300	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	AMS 2500	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	Lightning 9970V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	Lightning 9980V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	SMS 110	FC	Active/Active - Fixed *6, 11, 12, 15, Active/Passive - Fixed *6, 11, 12, 15	N/A
HDS	SMS100 ¹	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	TagmaStore AMS 1000 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15, Active/Active - Fixed *6, 11, 12, 15	N/A
HDS	TagmaStore AMS 200 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15, Active/Active - Fixed *6, 11, 12, 15	N/A
HDS	TagmaStore AMS 500 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15, Active/Active - Fixed *6, 11, 12, 15	N/A
HDS	TagmaStore NSC 55	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	TagmaStore USP 100	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	TagmaStore USP 1100	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	TagmaStore USP 600	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	TagmaStore WMS 100	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15, Active/Active - Fixed *6, 11, 12, 15	N/A
HDS	Thunder 9500V Series	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
HDS	Thunder 9570V Series	FC	Active/Active - Fixed *5	N/A
HDS	Thunder 9585V Series	FC	Active/Active - Fixed *5	N/A
HDS	USP V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	USP VM	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	AMS 2100	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	AMS 2300	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	AMS 2500	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	HNAS Server 2200	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
HDS	SMS100 ¹	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	N/A
HDS	Tagmastore AMS 1000	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	Tagmastore AMS 200	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	Tagmastore AMS 500	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	Tagmastore WMS 100 ¹	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	HNAS Server 2100	NAS	Active/Active - Fixed *6	
HDS	HNAS Server 2200	NAS	Active/Active - Fixed *6	
HDS	Tagmastore NSC 55	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	Tagmastore USP 100	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	Tagmastore USP 1100	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	Tagmastore USP 600	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
HDS	USP VM	SVD	Active/Active - Fixed *5, 6, 11, 12, 15	N/A
HDS	USP-V	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	N/A
Hifn	Swarm 3000	iSCSI	Active/Active - Fixed *6, 11, 12, 15	TRIPSTOR
Hitachi	AMS 2100	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	AMS 2300	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	AMS 2500	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	BR 150 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	
Hitachi	BR 50 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	
Hitachi	BR1600	FC	Active/Active - Fixed *6, 11, 12, 15	
Hitachi	SANRISE 9500V Series	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE 9970V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE 9980V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE AMS 1000 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	
Hitachi	SANRISE AMS 200 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	
Hitachi	SANRISE AMS 500 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
Hitachi	SANRISE NSC 55	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE USP 100	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE USP 1100 ¹	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE USP 600	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE WMS 100 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	
Hitachi	SMS100 ¹	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	USP V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , - Fixed *12	
Hitachi	USP VM	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	AMS 2100	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	AMS 2300	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	AMS 2500	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE AMS 1000 ¹	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE AMS 200 ¹	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE AMS 500 ¹	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE WMS 100 ¹	iSCSI	Active/Passive - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	SMS100 ¹	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE NSC 55	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE USP 100	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE USP 1100 ¹	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	SANRISE USP 600	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	USP V	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
Hitachi	USP VM	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	
HP	EVA4000	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	HP
HP	EVA4000	iSCSI	Active/Active - Fixed *2, 5, 8, 14	HP
HP	EVA4100	iSCSI	Active/Active - Fixed *6, 11, 12, 15	HP
HP	EVA4400	iSCSI	Active/Active - Fixed *6, 11, 12, 15	HP
HP	EVA4400 with Embedded Switch	iSCSI	Active/Active - Fixed *6, 11, 12, 15	HP
HP	EVA6000	iSCSI	Active/Active - Fixed *2, 5, 8, 14	HP
HP	EVA6000	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	HP
HP	EVA6100	iSCSI	Active/Active - Fixed *6, 11, 12, 15	HP
HP	EVA8000	iSCSI	Active/Active - Fixed *2, 5, 8, 14	HP
HP	EVA8000	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	HP
HP	EVA8100	iSCSI	Active/Active - Fixed *6, 11, 12, 15	HP
HP	MSA2012i	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	HP

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
HP	ProLiant DL380 G5 Storage Server	iSCSI	- Fixed * ⁸	MSFT
HP	ProLiant DL585 G2 Storage Server	iSCSI	- Fixed * ⁸	MSFT
HP	EVA3000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	EVA3000	FC	Active/Passive - MRU * ^{1, 2, 5, 8, 14}	HP
HP	EVA4000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	EVA4000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	EVA4000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	EVA4100	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	EVA4400	FC	Active/Active - Fixed * ^{2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	EVA4400 with Embedded Switch	FC	Active/Active - Fixed * ^{2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	EVA5000	FC	Active/Passive - MRU * ^{1, 2, 5, 8, 14}	COMPAQ
HP	EVA5000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	COMPAQ
HP	EVA6000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	EVA6000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	EVA6000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	EVA6100	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	EVA8000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	EVA8000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	EVA8000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	EVA8100	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	MSA1000	FC	Active/Active - Fixed * ^{6, 11, 12, 15}	HP
HP	MSA1000	FC	Active/Passive - MRU * ^{1, 2, 5, 8, 14}	COMPAQ
HP	MSA1500	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	MSA1500	FC	Active/Active - Fixed * ^{6, 11, 12, 15}	HP
HP	MSA1500	FC	Active/Passive - MRU * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	COMPAQ
HP	MSA2012fc	FC	Active/Active - Fixed * ^{2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	MSA2212fc	FC	Active/Active - Fixed * ^{2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	MSA2324fc	FC	Active/Active - Fixed * ^{6, 11, 12, 15}	HP
HP	XP10000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	XP1024	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP
HP	XP12000	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14, 6, 11, 12, 15}	HP
HP	XP128	FC	Active/Active - Fixed * ^{1, 2, 5, 8, 14}	HP

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
HP	XP20000	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	HP
HP	XP24000	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	HP
HP	MSA2012sa	SAS	Active/Active - Fixed *12, 15	HP
HP	XP10000	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	HP
HP	XP12000	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	HP
HP	XP20000	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	HP
HP	XP24000	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	HP
IBM	DS3200	SAS	Active/Passive - MRU *11, 12, 15	IBM
IBM	DS3300	iSCSI	Active/Passive - MRU *6, 11, 12, 15	IBM
IBM	N3000 Series	iSCSI	Active/Active - Fixed *6, 11, 12, 15	NETAPP
IBM	N3300	iSCSI	Active/Passive - MRU *2, 5, 8, 14	NETAPP
IBM	N3700	iSCSI	Active/Active - Fixed *1, 2, 5, 8, 14	NETAPP
IBM	N5000 Series	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NETAPP
IBM	N6000 Series	iSCSI	Active/Active - Fixed *6, 11, 12, 15	NETAPP
IBM	DS3400	FC	Active/Active - MRU *2 , Active/Passive - MRU *5, 8, 14	IBM
IBM	DS3400	FC	Active/Passive - MRU *6, 11, 12, 15	IBM
IBM	DS4100/FASfT100	FC	Active/Passive - MRU *1, 2, 5, 8, 14	IBM
IBM	DS4200	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	IBM
IBM	DS4300/FASfT600	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 11, 12, 15	IBM
IBM	DS4400/FASfT700	FC	Active/Passive - MRU *1, 2, 5, 8, 14	IBM
IBM	DS4500/FASfT900	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 11, 12, 15	IBM
IBM	DS4700	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	IBM
IBM	DS4800	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	IBM
IBM	DS5100	FC	Active/Passive - MRU *12, 15	IBM
IBM	DS5300	FC	Active/Passive - MRU *12, 15	IBM
IBM	DS8000	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	IBM
IBM	ESS 750/800	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	IBM
IBM	F10/F20	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	IBM
IBM	FASfT 200	FC	Active/Passive - MRU *1, 2, 5, 8, 14	IBM
IBM	N3000 Series	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6	NETAPP
IBM	N3700	FC	Active/Active - Fixed *6	NETAPP
IBM	N5000 Series	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NETAPP
IBM	N6000 Series	FC	Active/Active - Fixed *6, 11, 12, 15	NETAPP
IBM	N7000 Series	FC	Active/Active - Fixed *1, 2, 5, 8, 14	NETAPP

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
IBM	XIV	FC	Active/Active - Fixed *11, 12, 15	IBM
IBM	XIV Nextra	FC	Active/Active - Fixed *11, 12, 15	XIV
IBM	SVC	SVD	Active/Active - MRU *5, 8, 14, 6, 11, 12, 15	IBM
Infotrend Technology Inc.	A08F-G2422	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	A12F-G2422	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	A16F-G2430	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	A16F-R2431	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	A24F-G2430	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	A24F-R2430	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	B12F-G1430	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	B12F-R1430	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	F16F-R4031	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	F16F-S4031	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	FF-R4030	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	FF-S4030	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	S12F-G1433	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	S12F-R1432	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	S16F-G1430	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	S16F-R1430	FC	Active/Passive - MRU *5, 8, 14	IFT
Infotrend Technology Inc.	A16E-G2130	iSCSI	Active/Passive - MRU *6, 11, 12, 15	IFT
Infotrend Technology Inc.	S12E-G1133	iSCSI	Active/Passive - MRU *6, 11, 12, 15	IFT

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
Infortrend Technology Inc.	S12E-R1132	iSCSI	Active/Passive - MRU *6, 11, 12, 15	IFT
Infortrend Technology Inc.	S16E-G1130	iSCSI	Active/Passive - MRU *6, 11, 12, 15	IFT
Infortrend Technology Inc.	S16E-R1130	iSCSI	Active/Passive - MRU *6, 11, 12, 15	IFT
Intransa Inc	EdgeBlock	iSCSI	Active/Active - Fixed *2, 5, 8, 14	Intransa
Intransa Inc	StorStac - PCU20	iSCSI	Active/Active - Fixed *2, 5, 8, 14	IP SAN
Intransa Inc	StorStac PCU-25	iSCSI	Active/Active - Fixed *2, 5, 8, 14	INTRANSA
iQstor Networks Inc	iQ2850	iSCSI	Active/Passive - MRU *6, 11, 12, 15	IQSTOR
Isilon Systems	IQ12000x	NAS	Active/Active - Fixed *2, 5	Isilon Systems
Isilon Systems	IQ1920x	NAS	Active/Active - Fixed *6	Isilon Systems
Isilon Systems	IQ3000x	NAS	Active/Active - Fixed *2, 5	Isilon Systems
Isilon Systems	IQ6000x	NAS	Active/Active - Fixed *2, 5	Isilon Systems
Isilon Systems	IQ9000x	NAS	Active/Active - Fixed *2, 5	Isilon Systems
iStor Networks	AT316	iSCSI	Active/Active - Fixed *8, 14	iStor
iStor Networks	iS325	iSCSI	Active/Active - Fixed *2, 5, 8, 14	isn
iStor Networks	iS512	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	isn
LeftHand Networks	Dell 2950 and SAN/iQ® 7	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	LEFTHAND
LeftHand Networks	Dell 2950 and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	HP ProLiant DL320s and SAN/iQ® 6.6	iSCSI	Active/Active - Fixed *2, 5, 8, 14	LEFTHAND
LeftHand Networks	HP ProLiant DL320s and SAN/iQ® 7	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	LEFTHAND
LeftHand Networks	HP ProLiant DL320s and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	HP ProLiant DL380 and SAN/iQ® iSCSI 6.6	iSCSI	Active/Active - Fixed *2, 5, 8, 14	LEFTHAND
LeftHand Networks	HP ProLiant DL380 and SAN/iQ® iSCSI 7	iSCSI	Active/Active - Fixed *2, 5, 8, 14	LEFTHAND
LeftHand Networks	HP ProLiant DL380 and SAN/iQ® iSCSI 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	IBM x3650 and SAN/iQ® 6.6	iSCSI	Active/Active - Fixed *2, 5, 8, 14	LEFTHAND
LeftHand Networks	IBM x3650 and SAN/iQ® 7	iSCSI	Active/Active - Fixed *2, 5, 8, 14	LEFTHAND
LeftHand Networks	IBM x3650 and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	NSM 160 and SAN/iQ® 6.6	iSCSI	Active/Active - Fixed *2, 5, 8, 14	LEFTHAND
LeftHand Networks	NSM 160 and SAN/iQ® 7	iSCSI	Active/Active - Fixed *6, 11, 12, 15	LEFTHAND

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
LeftHand Networks	NSM 160 and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	NSM 2060 and SAN/iQ® 7	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	LEFTHAND
LeftHand Networks	NSM 2060 and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	NSM 2120 and SAN/iQ® 7	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	LEFTHAND
LeftHand Networks	NSM 2120 and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	NSM 2120 G2 and SAN/iQ®8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	NSM 260 and SAN/iQ® 6.6	iSCSI	Active/Active - Fixed *2, 5, 8, 14	LEFTHAND
LeftHand Networks	NSM 260 and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	NSM 4150 and SAN/iQ® 7	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	LEFTHAND
LeftHand Networks	NSM 4150 and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LeftHand Networks	VSA and SAN/iQ® 7	iSCSI	Active/Active - Fixed *6, 11, 12, 15	LEFTHAND
LeftHand Networks	VSA and SAN/iQ® 8	iSCSI	Active/Active - Fixed *12, 15	LEFTHAND
LSI	1932	FC	Active/Passive - MRU *6, 11, 12, 15	LSI
NEC	iStorage D1-10	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage D3-10	FC	Active/Active - Fixed *2, 5, 14, 6, 11, 12, 15	NEC
NEC	iStorage D8	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
NEC	iStorage E1-10	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	EMC
NEC	iStorage S1500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage S2500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage S2800	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage S2900	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage S4900	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage S500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage S550	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NEC
NEC	iStorage E1-10	iSCSI	Active/Passive - MRU *5, 8, 14, 6, 11, 12, 15	EMC
NEC	iStorage NV3400	NAS	Active/Passive - MRU *6	NEC
NEC	iStorage NV3400S	NAS	Active/Passive - MRU *6	NEC
NEC	iStorage NV5400	NAS	Active/Passive - MRU *6	NEC
NEC	iStorage NV5400S	NAS	Active/Passive - MRU *6	NEC
NEC	iStorage NV7400	NAS	Active/Passive - MRU *6	NEC
NEC	iStorage NV7400S	NAS	Active/Passive - MRU *6	NEC
NetApp	FAS200 Series	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NETAPP
NetApp	FAS2000 Series	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NETAPP
NetApp	FAS3000 Series	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NETAPP

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
NetApp	FAS3100 Series	FC	Active/Active - Fixed *6, 11, 12, 15	NETAPP
NetApp	FAS6000 Series	FC	Active/Active - Fixed *6, 11, 12, 15	NETAPP
NetApp	FAS900 Series	FC	Active/Active - Fixed *6, 11, 12, 15	NETAPP
NetApp	FAS200 Series	iSCSI	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NETAPP
NetApp	FAS2000 Series	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NETAPP
NetApp	FAS3000 Series	iSCSI	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NETAPP
NetApp	FAS3100 Series	iSCSI	Active/Active - Fixed *6, 11, 12, 15	NETAPP
NetApp	FAS6000 Series	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	NETAPP
NetApp	FAS900 Series	iSCSI	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	NETAPP
NetApp	V6000 Series	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	NETAPP
Newtech	AQULIA N108 G10	iSCSI	Active/Active - Fixed *2, 5, 8, 14	iStor
Newtech	SweeperStor-K	FC	Active/Active - Fixed *6, 11, 12, 15	DotHill
Nexasan Technologies	SATABEAST	FC	Active/Active - Fixed *6, 11, 12, 15	NEXSAN
Nihon Unisys	SANARENA 1830 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Passive - MRU *1 , Active/Active - Fixed *5, 6, 11, 12, 15	N/A
Nihon Unisys	SANARENA 1870 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Passive - MRU *1 , Active/Active - Fixed *6, 11, 12, 15	N/A
Nihon Unisys	SANARENA 1890 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	N/A
Nihon Unisys	SANARENA 1895 ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Active - Fixed *6, 11, 12, 15	N/A
Nihon Unisys	SANARENA 18AS ¹	FC	Active/Passive - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15 , Active/Passive - MRU *1 , Active/Active - Fixed *6, 11, 12, 15	N/A
Nihon Unisys	SANARENA 5200	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
Nihon Unisys	SANARENA 5800	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
Nihon Unisys	SANARENA 5200	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	OPEN
Nihon Unisys	SANARENA 5800	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	OPEN
ONStor Inc	Bobcat 2260	NAS	Active/Active - Fixed *6	Onstor
ONStor Inc	Bobcat 2280	NAS	Active/Active - Fixed *6	Onstor
Open-E	DSS with Intel Modular Server MFSYS25	iSCSI	Active/Passive - MRU *6, 11, 12, 15	DSS
Open-E	DSS with Intel S5000PAL / SR 2500 Platform Model	iSCSI	Active/Passive - MRU *6, 11, 12, 15	DSS
Overland Storage	Snap Server 520	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	OVERLAND
Overland Storage	Snap Server 620	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	OVERLAND
Overland Storage	Snap Server 650	iSCSI	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	OVERLAND

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
Overland Storage	ULTAMUS RAID 1200	FC	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	XYRATEX
Overland Storage	ULTAMUS RAID 4800	FC	Active/Active - Fixed *11, 12, 15	XYRATEX
Pillar Data Systems	Axiom Storage System 300	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Pillar
Pillar Data Systems	Axiom Storage System 500	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Pillar
Pillar Data Systems	Axiom Storage System 600	FC	Active/Active - Fixed *6, 11, 12, 15	Pillar
Pillar Data Systems	Axiom Storage System 300	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Pillar
Pillar Data Systems	Axiom Storage System 500	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	
Pillar Data Systems	Axiom Storage System 600	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Pillar
Pillar Data Systems	Axiom Storage System 600	NAS	Active/Active - Fixed *6	Pillar
Promise	E310f	FC	Active/Active - Fixed *6, 11, 12, 15	Promise
Promise	E610f	FC	Active/Active - Fixed *6, 11, 12, 15	Promise
Promise	M310i	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Promise
Promise	M610i	iSCSI	Active/Active - MRU *6, 11, 12, 15	Promise Technology
RELDATA Inc	9240	iSCSI	Active/Active - Fixed *6, 11, 12, 15	RELDATA
Sanrad	V-STOR	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	SANRAD
SGI	InfiniteStorage 4000	FC	Active/Active - Fixed *5, 8, 14	Silicon Graphics (SGI)
StoneFly	HSC-1601	iSCSI	Active/Active - Fixed *6, 11, 12, 15	STNFLY
StoneFly	ISC-1601	iSCSI	Active/Active - Fixed *6, 11, 12, 15	STNFLY
StoneFly	ISC-2401	iSCSI	Active/Active - Fixed *6, 11, 12, 15	STNFLY
StoneFly	ISC-401	iSCSI	Active/Active - Fixed *6, 11, 12, 15	STNFLY
StoneFly	ISC-801	iSCSI	Active/Active - Fixed *6, 11, 12, 15	STNFLY
StoneFly	StoneFly OptiSAN	iSCSI	Active/Active - Fixed *6, 11, 12, 15	STNFLY
StorMagic	SMTB	iSCSI	Active/Active - MRU *11, 12, 15	SMTB
Stratus	ftScalable D919x	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	Stratus
Sun Microsystems Inc	SE3511 FC JBOD-SATA	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	
Sun Microsystems Inc	SE3511 FC RAID-SATA	FC	Active/Active - Fixed *1, 2, 5, 8, 14	
Sun Microsystems Inc	SE9970	FC	Active/Active - Fixed *1, 2	
Sun Microsystems Inc	SE9980	FC	Active/Active - Fixed *1, 2	
Sun Microsystems Inc	StorageTek 9985V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	OPEN
Sun Microsystems Inc	StorageTek 9990V	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
Sun Microsystems Inc	Sun StorageTek 2540	FC	Active/Passive - MRU *2, 5, 8, 14, 6, 11, 12, 15	SUN
Sun Microsystems Inc	Sun StorageTek 3510	FC	Active/Active - Fixed *1, 2, 5, 8, 14	
Sun Microsystems Inc	Sun StorageTek 6130	FC	Active/Passive - MRU *1, 2, 5, 8, 14	
Sun Microsystems Inc	Sun StorageTek 6140	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	SUN
Sun Microsystems Inc	Sun StorageTek 6540	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	STK
Sun Microsystems Inc	Sun StorageTek 6920	FC	Active/Active - MRU *1, 2, 5, 8, 14	
Sun Microsystems Inc	Sun StorageTek 9970	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
Sun Microsystems Inc	Sun StorageTek 9980	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
Sun Microsystems Inc	Sun StorageTek 9985	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
Sun Microsystems Inc	Sun StorageTek 9990	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	N/A
Sun Microsystems Inc	Sun StorageTek Flexline 240	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	OPENstorage D240
Sun Microsystems Inc	Sun StorageTek Flexline 280	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	STK
Sun Microsystems Inc	Sun StorageTek Flexline 380	FC	Active/Passive - MRU *1, 2, 5, 8, 14, 6, 11, 12, 15	STK
Sun Microsystems Inc	StorageTek 5220 NAS Appliance	iSCSI	Active/Active - Fixed *2, 5, 8, 14	SUN
Sun Microsystems Inc	StorageTek 5320 NAS Appliance	iSCSI	Active/Active - Fixed *2, 5, 8, 14	
Sun Microsystems Inc	Sun Storage 7110 Unified Storage System	iSCSI	- Fixed *12	SUN
Sun Microsystems Inc	StorageTek 9985	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	OPEN
Sun Microsystems Inc	StorageTek 9985V	SVD	Active/Active - Fixed *8, 14, 6, 11, 12, 15	OPEN
Sun Microsystems Inc	StorageTek 9990	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	OPEN
Sun Microsystems Inc	StorageTek 9990V	SVD	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	OPEN

OEM	Model	Array Type	Mode - Recommended Path Policy	Model String
Transtec	PROVIGO 550F	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	transtec
Wasabi Systems Inc	VMX 2000sx	iSCSI	Active/Active - Fixed *6, 11, 12, 15	
Xiotech	Emprise 5000	FC	Active/Active - Fixed *6, 11, 12, 15	Xiotech
Xiotech	Emprise 7000	FC	Active/Active - Fixed *6, 11, 12, 15	Xiotech
Xiotech	Magnitude 3D 3000	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	XIOtech
Xiotech	Magnitude 3D 4000	FC	Active/Active - Fixed *1, 2, 5, 8, 14, 6, 11, 12, 15	XIOtech
Xiotech	Emprise 7000	iSCSI	Active/Active - Fixed *6, 11, 12, 15	Xiotech
Xiotech	Magnitude 3D 3000	iSCSI	Active/Active - Fixed *2, 5, 8, 14, 6, 11, 12, 15	XIOtech
Xiotech	Magnitude 3D 4000	iSCSI	Active/Active - Fixed *6, 11, 12, 15	XIOtech
Xyratex Ltd	F5402E	FC	Active/Passive - Fixed *2, 5 , Active/Active - Fixed *8, 14, 6, 11, 12, 15	XYRATEX
Xyratex Ltd	F5404E	FC	Active/Active - Fixed *11, 12, 15	XYRATEX
Xyratex Ltd	F5412E	FC	Active/Active - Fixed *5, 8, 14, 6, 11, 12, 15	XYRATEX
Xyratex Ltd	F6412E	FC	Active/Active - Fixed *6, 11, 12, 15	XYRATEX

Supported Releases

1. ESX 3.0
2. ESX 3.0.1
5. ESX 3.0.2
6. ESX 3.5
8. ESX 3.0.2 U1
9. ESXi 3.5 Embedded
10. ESXi 3.5 Installable
11. ESX 3.5 U1
12. ESX 3.5 U2
14. ESX 3.0.3
15. ESX 3.5 U3
16. ESXi 3.5 Installable U1
17. ESXi 3.5 Embedded U1
22. ESXi 3.5 Installable U2
23. ESXi 3.5 Embedded U2
25. ESXi 3.5 Installable U3
27. ESXi 3.5 Embedded U3

1. Path policy is changed to Fixed in ESX 3.5 patch ESX350-200804401-BG. See knowledge base article <http://kb.vmware.com/kb/1004161> for more information.

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