



Dell Storage Compatibility Matrix

PS Series, SC Series, FS Series

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Table of Contents

Document Overview	1
Dell Storage Support Policy Statement.....	2
Level 1: Full Contractual Support.....	2
Level 2: Conditional Support.....	2
Level 3: Commercially Reasonable Effort	3
FS Series Additional Support Statement	3
Switch Support Policy	3
Client OS Environment Support Policy.....	4
Other Statements.....	4
Operating System, Switch and Server Adapter Settings	4
Server Interoperability.....	4
Host Connectivity Adapters and Server Vendor Support	4
Limits of Supportability	4
Disclaimers.....	5
Abbreviations and Terminology	6
Switch Summary	7
Fibre Channel Switches	9
Ethernet Switches	12
SAN Deprecated Switches.....	20
Fibre Channel Host Bus Adapters	21
Fibre Channel over Ethernet Host Bus and Converged Network Adapters	40
iSCSI Converged Network and Host Bus Adapters.....	44
iSCSI Network Interface Cards for Boot from SAN.....	52
Software iSCSI Initiators.....	55
Fluid File System SAN Switches.....	59
Fluid File System Deprecated Switches	60
Fluid File System Enterprise Manager Support	61
Security Key Management System Support	62
Host HBA/CNA/NIC Driver Sources	63
Additional Resources.....	65



Document Overview

This Compatibility Matrix describes SAN components (switches, host bus adapter, operating systems, etc.) that have been tested in Dell's Storage Infrastructure and Solutions (SIS) labs. The testing results demonstrate that the Dell Storage Products (SC, PS and FS Series), as tested, will, under normal operating conditions, operate as expected and documented in each product's respective documentation.

The first portion of this document describes Dell's commitment to supporting the various products that have been tested and those products or components that have not been tested. This section describes a multi-tiered support policy that describes any limitations to a customer's supportability for Dell and non-Dell components when those components or their constituent software (drivers, firmware, etc.) are not listed in this matrix.

The second part of this document lists switches that have been tested and confirmed to be interoperable with the Dell SC, PS and FS Series products. The resulting configurations are separated by networking technology (Fibre Channel or Ethernet) and product vendor/model.

The final section of this document details the hardware and software used when testing different host network connectivity devices (Network Interface Controllers, Converged Network Adapters, and Host Bus Adapters) and storage initiators in a variety of operating system environments. The results are separated by protocol and then grouped by operating system.

Dell Storage Support Policy Statement

This Compatibility Matrix details configurations that have been tested by Dell's storage test labs. While Dell tests on a wide variety of configurations, it is impossible to test against every device or version for all vendors with which the various Dell Storage products can interoperate. Therefore, the information presented in this document do not constitute a complete list of what is supportable, but simply a list of what has been specifically tested. Regardless of support level, Dell Storage customers will always be provided full contractual support of their storage solution.

Each row in a table defines a SAN component and the hardware, software, or firmware that was tested with that component. Each of these entries constitutes a supportable "configuration".

Based on this Matrix, a customer configuration will be classified into one of the three levels of supportability, as described below. Each level of supportability also references the requirement for designing the storage subsystem using documented recommended best practices suitable for the each Dell Storage product family. These recommended best practices are documented in a variety of technical whitepapers as well as a consolidated in the [Dell EqualLogic Configuration Guide](#) (published on the Dell TechCenter Community) and [Compellent Customer Knowledge Center](#).

Please contact your Dell sales representative with questions about how to classify your proposed configuration.

For the purposes of the support statement, the following definitions apply:

- "storage solution" – the end-to-end set of components (operating system, network controller, switch and switch firmware, and array FW that permits a host to target communication.
- "component" – the individual parts of a storage solution in the form of host network interface adapters, iSCSI initiators, iSCSI host bus adapters, switches, and arrays.

Level 1: Full Contractual Support

For tested devices listed in this Compatibility Matrix, (and for the specific version listed), Dell will provide solution support, under an active ProSupport or CoPilot support contract assuming that all other components in the storage solution are also under contracted support with their respective manufacturers and that documented recommended design best practices are followed.

Level 2: Conditional Support

In addition to the product versions tested by Dell and listed in this Compatibility Matrix, the compatibility of comparable hardware models and newer firmware versions can be projected based upon the results for the systems actually tested and will be designated as "conditionally supported".

Dell will provide full contractual support for the storage solution under an active ProSupport or CoPilot support contract, assuming that all components in the storage solution are also under contracted support with their respective manufacturers and that documented recommended design best practices are followed.

Resolution of functional and/or performance issues may be out of Dell's control. In such cases, these issues will need to be addressed by the applicable device or software/firmware vendor. Dell may require, in its sole discretion, as a condition of continuing support, that the customer replace the component with one that was tested and/or upgrade/downgrade to a supported software version.

Examples of Conditional Support situations include, but are not limited to:

- If a switch or server adapter shares the same underlying ASIC or chipset and is from the same vendor as a tested configuration, then it may produce similar results.
- If a component is an identical model of a component listed, but differs in FW version, then it may produce similar results for any firmware and/or drivers that are newer than those listed. For example, if version X of firmware has been tested and is listed as compatible, then versions newer than version X are expected to continue to work.

Failure of a “conditionally supported” component to provide the same service level as the similar device listed, unless Dell has communicated end of support or a specific incompatibility for a particular product, firmware or software version, would be treated as a bug that needs to be fixed by the device or software/firmware vendor.

Level 3: Commercially Reasonable Effort

For components not listed within this Compatibility Matrix, OR where customers have not, or is not willing to apply accepted Dell recommended best practices for the specific storage family’s SAN design and implementation, as long as the customer has an active support contract with the appropriate vendor(s), and an active ProSupport or CoPilot support contract, Dell will provide storage solution support for any untested component of the configuration, until such time as it is determined, in Dell’s sole discretion, that a problem lies within the untested component(s) or the way they interoperate with Dell.

Once an untested component has been determined to be the source of the issue, Dell will only provide support for the storage solution on a Commercially Reasonable Effort (CRE) basis. CRE support may be limited to certain days of the week and during normal business hours only.

Dell does not guarantee that issues undertaken on a CRE basis will be resolved in a timely fashion, or at all. There is a possibility that the customer would need to replace an untested component or take the affected system out of production to resolve the issues.

FS Series Additional Support Statement

The FS Series of products are NAS appliances that work with the various Dell Storage PS and SC series products. All FS series products are tested for interoperability with their respective “back-end” storage array products, and Dell will support any and all issues arising in or between these products while the products are under warranty and/or an active ProSupport or CoPilot support contract for both products.

The sections below describe general support policies for the FS Series, particularly as they relate to the results published in this document. There are additional environmental and cabling considerations that should be taken into account when building a storage solution that includes FS Series NAS appliances. Please consult other FS Series documentation or contact your Dell account representative to ensure that all the relevant factors have been taken into consideration.

Switch Support Policy

Dell tests switches for two of the three networks associated with an FS Series NAS cluster, namely the “back-end” iSCSI or Fibre Channel network situated between the NAS controllers and the PS or SC storage arrays. The FS 7000 Series NAS appliances connect to the PS Series SAN arrays using the industry standard iSCSI protocol, while the FS 8000 Series NAS appliances connect to the SC Series SAN arrays using either iSCSI or Fibre Channel. For proper

configuration, at least one switch is required (a minimum of two switches is recommended) to interconnect these products. Direct connection of any FS Series NAS appliances and the respective arrays is not supported.

The three levels of support described above are applicable to the FS Series switches listed in this Matrix for back-end network configuration.

There are two other networks associated with an FS7xxx cluster, namely the "front-end" connection to the customer's existing client network, and the cluster or "private" interconnect network for communication between FS7xxx controllers. Both of these networks are Ethernet based.

Any Ethernet switch listed for use as a "back-end" switch is also valid for use as a "private" interconnect network switch and can be used for both "back-end" and "private" simultaneously.

Client OS Environment Support Policy

Although Dell tests the FS Series NAS solution in a variety of client operating system environments, this document does not provide resulting compatibility data. The statements made with respect to compatibility for the FS Series in this document are not to be construed as a guarantee of interoperability or supportability of client operating systems.

Other Statements

Operating System, Switch and Server Adapter Settings

This document does not cover recommended practices, though optimized SAN or NAS solutions consists of a combination of supported hardware and software as defined in this document, along with recommended practices as documented in various whitepapers published by Dell. Dell does maintain documents with recommended best practices and recommended settings for various operating systems, switches and server adapters, which are available to download from The Dell Tech Center community website (<http://en.community.dell.com/techcenter/default.aspx>).

Server Interoperability

This Compatibility Matrix details interoperability from the storage array to various server hosts via a switch and one or more network adapters or host bus adapters (HBAs). Testing of, and support for, a specific server platform (such as Dell PowerEdge servers) was not performed as part of this program and customers should visit the server vendor's website to determine which operating systems and adapters are supported by the server vendor.

Host Connectivity Adapters and Server Vendor Support

This matrix lists many host network adapters and HBAs that have been tested for use within the indicated Dell Storage array family SAN environment. It is not implied that all of these adapters and their driver/firmware stacks are supported by any or all server vendors. The reader must ensure that the host network adapter and its associated drivers are on that vendors Hardware Compatibility List indicating their support for that adapter and driver. This includes Dell's own PowerEdge server products. Inclusion in the adapter compatibility tables should not be interpreted as that adapter and driver/firmware combination as being supported by Dell's PowerEdge server products.

Limits of Supportability

If any recommendations made by Dell to resolve a customer's issues – whether they are functional or performance related – is not followed, Dell cannot guarantee that the issue can be resolved to the satisfaction of the customer. Dell's ability to provide customers with any level of supportability are dependent on the customer's willingness to implement any solution recommendation.

Disclaimers

Information in this document is subject to change at any time, in Dell's sole discretion, without notice or liability.

Abbreviations and Terminology

"_"	Indicates a feature that is not applicable based on lack of capability
"L1", "L2", "L3"	Level 1, Level 2, Level 3. Support Level provided for that feature. See Support Policy Statement for details.
BfS	Boot from SAN. A general term referring to functionality on a CNA/HBA/NIC to allow bare-metal OS boot from a remote, SAN-based target/LUN/Volume.
CNA	Converged Network Adapter. A Networking device that supports DCB and can manage more than one class of network traffic...typically consisting of storage and non-storage traffic types.
Conv	Converged Ethernet (DCB) capable switch. FC/FCoE/TCP functionality
DCB	Data Center Bridging...specifically this is used to inidate iSCSI over DCB
Eth	Ethernet
FC	Fibre Channel
FCoE	Fibre Channel over Ethernet
FW	Firmware. Typically the main operating system for an appliance type device or component such as a NIC, Switch, or other device. Typically not user-interactive, though it may contain sub-systems that provide user interaction such as a Command Line Interface.
HBA	Host Bus Adapter - indicates hardware-based FC/FCoE/iSCSI storage functionality
iBFT	iSCSI Boot Firmware Table. A specific, standards-based BfS technology that supports booting from iSCSI protocol-based targets. Part of the ACPI 3.0 standard.
MLAG	General term or specific feature offering by some switch vendors for switch-to-switch multipath interconnection.
NA	Not applicable
NIC	Network Interface Controller. A networking device that provides Ethernet and optionally TCP/IP functionality. May or may not provide SAN/Network boot functionality. For SAN solutions, requires a software-based protocol initiator (FCoE/iSCSI) to access storage area network remote targets.
OS	Operating System
SC / SCOS	Storage Center (Operating System). The core softwae of the SC Series products that provides all storage and management functionality
SPB	IEEE standards based switch-to-switch multiplathing solution
TRILL	IETF standards based switch-to-switch multipathing solution
VLT	Virtual Link Trunking. Proprietary switch-to-switch multipathing solution provided by certain Dell Networking switch products
vPC	Virtual Port Channel. Proprietary switch-to-switch multipathing solution provided by certain Cisco Network products. Specifically Nexus branded products.

Switch Summary

Vendor	Model	Switch Type	PS Series										SC Series				
			PS4000	PS4100	PS4110	PSM4110	PS5000/5500	PS6000/6500	PS 6010/6510	PS6100	PS6110	PS6210	Series 20	Series 30	Series 40	SC4000	SC8000
Brocade	300	FC											X	X	X	X	X
	5300	FC											X	X	X	X	X
	6505	FC											X	X	X	X	X
	6510	FC													X	X	X
	6520	FC													X	X	X
	8000/8000e	Conv			X				X		X	X	X	X	X	X	X
	DCX	FC											X	X	X	X	X
	DCX-4S	FC											X	X	X	X	X
	DCX8510	FC											X	X	X	X	X
	DCX8510-4	FC											X	X	X	X	X
	M5424	FC											X	X	X	X	X
	M6505	FC											X	X	X	X	X
	RX	Eth	X	X			X	X									
	TurboIron 24X	Eth			X				X								
	VDX 6720	Conv			X				X		X						
VDX 6730	Conv											X	X	X	X	X	
Cisco	Catalyst 3560X	Eth													X	X	X
	Catalyst 3750E	Eth													X	X	X
	Catalyst 3750X-48T-L	Eth	X	X			X	X		X		X*					
	Catalyst 4948 10Gb	Eth	X	X			X	X		X		X*					
	Catalyst 4948E	Eth	X	X			X	X		X		X*					
	M3130G	Eth	X	X			X	X		X							
	M3130X	Eth	X	X			X	X		X							
	MDS 9124	FC											X	X	X	X	X
	MDS 9148	FC											X	X	X	X	X
	MDS 9222i	FC											X	X	X	X	X
	Nexus 5010/5020	Eth			X				X		X	X					
	Nexus 5548UP/5596UP	Conv			X				X		X	X	X	X	X	X	X
	Nexus 7000 Family	Conv							X			X*					
Dell	8/4Gb FC IOM for M1000e	FC											X	X	X	X	X
	DN N3000	Eth		X				X		X		X*			X	X	X
	DN N4000	Eth			X				X		X	X			X	X	X
	DN S5000	Conv			X				X		X	X			X	X	X
	DN S6000	Eth			X				X		X	X			X	X	X
	DN Z9000 (Force10 Z9000)	Eth			X				X		X	X					
	Force10 C-Series	Eth	X	X			X	X		X							
	Force10 MXL	Eth			X				X		X	X			X	X	X

Vendor	Model	Switch Type	PS Series										SC Series				
			PS4000	PS4100	PS4110	PSM4110	PS5000/5500	PS6000/6500	PS 6010/6510	PS6100	PS6110	PS6210	Series 20	Series 30	Series 40	SC4000	SC8000
Dell (cont)	Force10 S25N	Eth	X	X			X	X		X		X*					
	Force10 S4810P	Eth			X				X		X	X			X	X	X
	Force10 S4820T	Eth			X				X		X	X					
	Force10 S50N	Eth	X	X			X	X		X		X*					
	Force10 S55	Eth	X	X			X	X		X		X*					
	Force10 S60	Eth	X	X			X	X		X		X*					
	PowerConnect 6224	Eth	X	X			X	X		X		X*			X	X	X
	PowerConnect 6248	Eth	X	X			X	X		X		X*			X	X	X
	PowerConnect 7024	Eth	X	X			X	X		X		X*			X	X	X
	PowerConnect 7048	Eth	X	X			X	X		X		X*			X	X	X
	PowerConnect 8024F	Eth			X				X		X	X			X	X	X
	PowerConnect 8132/8132F	Eth			X				X		X	X			X	X	X
	PowerConnect 8164/8164F	Eth			X				X		X	X			X	X	X
	PowerConnect B-DCX 4S	FC											X	X	X	X	X
	PowerConnect B-Series 8000e	Eth			X				X		X	X					
	PowerConnect B-Series RX	Eth	X				X	X									
	PowerConnect J-Series EX4200	Eth	X				X	X				X*					
	PowerConnect J-Series EX4500	Eth			X				X		X						
	PowerConnect M6348	Eth	X	X			X	X		X		X*					
	PowerConnect M6505	FC											X	X	X	X	X
PowerConnect M8024-k	Eth			X	X			X		X	X			X	X	X	
PowerConnect M8428-k	Conv			X	X			X		X	X			X	X	X	
PowerEdge IO Aggregator	Eth				X									X	X	X	
Juniper Networks	EX4200-48T	Eth	X	X			X	X		X		X*					
	EX4500-48T	Eth							X								
McDATA	Intrepid 6064	FC											X	X	X	X	X
	Sphereon 4400	FC											X	X	X	X	X
	Sphereon 4700	FC											X	X	X	X	X
Qlogic	1400	FC											X	X	X	X	X
	SANBox 5600	FC											X	X	X	X	X
	SANBox 5800	FC											X	X	X	X	X

* PS6210 models supported connecting to 1Gb Ethernet ports only.

Fibre Channel Switches

Configurations listed in this section are supported at Level 1 (as described above) for the listed switch firmware/array firmware combinations. Switch validation reflects only those switches that connect directly to the array ports. There is no validation for other "upstream" switches. Solutions/combinations that differ from the firmware versions listed for any given switch or array would be supported at Level 2.

Vendor	Model	Type	Switch FW Version	SC OS Supported	Array Mode	
					Virtual	Legacy
Brocade	300	FC	6.3.2a	5.5.x	L1	L1
				6.0.x	L1	L1
			6.4.0	5.3.x	L1	L3
				5.4.x	L1	L1
				5.5.x	L2	L1
			6.4.2	6.0.x	L1	L3
			7.0.0b	5.5.x	L1	L1
				6.1.x	L1	L2
				6.2.x	L1	L1
			7.0.2	6.3.x	L1	L1
			7.1.0a	5.6.x	L1	L1
				6.3.x	L1	L1
				6.4.x	L1	L1
	5100	FC	6.3.0c	5.4.x	L3	L1
	5300	FC	6.4.1a	5.5.x	L1	L3
	6505	FC	7.0.2	6.3.x	L1	L3
				6.4.x	L1	L3
				6.5.x	L1	L3
	6510	FC	7.0.0b	5.5.x	L1	L1
				6.0.x	L1	L1
				6.1.x	L1	L2
				6.2.x	L1	L1
			7.0.2	6.3.x	L1	L1
			7.1.0a	5.6.x	L1	L1
				6.3.x	L1	L1
				6.4.x	L1	L1
			7.2.0a*	6.4.x	L1	L1
				6.5.x	L1	L1
	6520	FC	7.1.0a	5.6.x	L1	L1
				6.3.x	L1	L1
				6.4.x	L1	L1
	8000/8000e	Conv	6.3.2a	5.5.x	L1	L1
				6.0.x	L1	L1
7.0.0b			5.5.x	L1	L1	
			6.1.x	L1	L1	
			6.2.x	L1	L1	
DCX-4S	FC	6.4.1a	5.5.x	L1	L1	

Vendor	Model	Type	Switch FW Version	SC OS Supported	Array Mode	
					Virtual	Legacy
Brocade (cont)	DCX-4S			6.0.x	L2	L1
			6.4.2	5.5.x	L1	L1
				6.0.x	L1	L1
	DCX-8510-4	FC	7.0.0b	5.5.x	L1	L1
				6.0.x	L1	L1
				6.1.x	L1	L1
				6.2.x	L1	L1
			7.0.2	5.5.x	L1	L1
				6.3.x	L1	L1
	Cisco	MDS 9124	FC	5.0.1a	5.4.x	L1
6.0.x					L1	L1
5.0.4d				5.5.4+	L1	L1
				6.0.x	L1	L1
		6.3.x	L1	L3		
MDS 9148		FC	4.1.3a	6.3.10+	L1	L3
				6.4.x	L1	L3
			5.0.1a	5.4.x	L1	L1
			5.0.4	5.4.x	L3	L1
				5.5.x	L3	L1
			5.0.4d	5.5.4+	L1	L1
				6.0.x	L1	L1
				6.1.x	L1	L1
			5.0.4d	6.2.x	L1	L1
			5.2.6a	5.6.X	L1	L1
				6.3.x	L1	L1
				6.4.x	L1	L1
6.2.3		6.4.x	L1	L1		
		6.5.x	L1	L1		
MDS 9222i		FC	4.1.3	5.3.x	L1	L3
			5.0.1a	5.3.x	L1	L3
				5.4.x	L2	L1
			5.0.4	5.4.x	L1	L1
				5.5.x	L1	L1
				6.0.x	L2	L1
			5.0.4d	5.5.x	L1	L1
				6.0.x	L1	L1
				6.1.x	L1	L2
				6.2.x	L1	L2
			5.2.6	6.3.x	L1	L1
	5.2.6a		5.5.x	L1	L3	
			5.6.x	L1	L3	
			6.3.x	L1	L3	
6.4.x		L1	L1			

Vendor	Model	Type	Switch FW Version	SC OS Supported	Array Mode		
					Virtual	Legacy	
Cisco (cont)	MDS 9222i		6.2.3	6.5.x	L1	L3	
	Nexus 55xxUP	Conv	5.0(2)N2(1)	5.5.x	L3	L1	
			5.0(3)N1(1c)	5.5.x	L1	L1	
Dell	8/4Gb FC IOM for M1000e^	FC	6.4.2	6.3.x	L1	L3	
	PowerConnect B-DCX 4S	FC	6.4.1a	6.3.1	L1	L3	
	PowerConnect B-Series	Conv	6.3.2a	5.5.x	L1	L1	
	Dell Networking S5000	Conv	9.1.1.x	6.5.x	L1	L1	
	8000/8000e				6.0.x	L1	L1
				7.0.0b	5.5.x	L1	L1
					6.1.x	L1	L1
					6.2.x	L1	L1
	PowerConnect M5424	FC		6.4.2	6.3.x	L1	L3
				7.1.0a	5.6.x	L1	L3
					6.4.x	L1	L3
	PowerConnect M6505	FC		7.0.1-sh	5.5.x	L1	L1
					6.2.x	L1	L2
					6.3.x	L1	L2
					6.4.x	L1	L2
7.2.0a				6.4.x	L1	L1	
				6.5.x	L1	L3	

† A software incompatibility has been identified between some Storage Center 8Gbps FC configurations and Brocade fabric switches running Fabric OS (FOS) greater than 6.3.0. Please reference the "Copilot Services Technical Alert: 8Gbps Controller IO Card Brocade FC Switch Compatibility" available at <http://kc.compellent.com>.

^The Dell 8/4Gb FC SAN Module for M1000e is a FC pass through and is not supported as a direct attach switch to Compellent. A fibre channel switch is required between the blade and the Compellent.

* Before upgrading to Brocade v7.2.0a, verify the speed of SFPs that are installed in your 16Gb switch, i.e. 6505, M6505, 6510, 6520, DCX 8510-4 or 8. If you have any 4 or 8Gb Storage Center ports connected to any switch ports with 16Gb SFPs, set the Brocade port speed to 4 or 8Gb fixed, not Auto-negotiate.

Ethernet Switches

The following table lists all of the validated Ethernet switches. These switches, depending on feature capability may support Fibre Channel over Ethernet (FCoE) as well as iSCSI SAN solutions. For each switch listed, the Dell Storage product series tested along with supported switch features relevant to that product are indicated. Any "-" entries indicate a lack of relevance (or support) for that feature by that switch for the specific storage product or protocol.

Vendor	Model	Type	Switch FW Version	PS Series					SC Series								
				PS OS	DCB	Switch Interconnect			FCoE			iSCSI			Switch Interconnect		
						vPC/VLT	Stacking	LAG	SCOS	Virtual	Legacy	SCOS	Virtual	Legacy	vPC/VLT	Stacking	LAG
Brocade	8000/8000e	Conv	6.3.0a	4.3.x	-	-	-	L1	L3	L3	L3	L3	L3	L3	-	-	L3
			6.4.1a	5.1.x	L1	-	-	L1	L3	L3	L3	L3	L3	L3	-	-	L3
			6.4.2	L2	L2	-	-	L2	5.5.x	L1	L3	L3	L1	L3	-	-	L1
			7.0.0b	6.0.x	L1	-	-	L1	L2	L2	L3	L3	L2	L3	-	-	L1
				7.0.x	L1	-	-	L1									
			7.0.2	L2	L2	-	-	L2	6.3.x	L1	L1	L3	L1	L1	-	-	L1
			7.1.0a	L2	L2	-	-	L2	5.6.x	L1	L1	L3	L1	L1	-	-	L1
									6.3.x	L1	L1	L3	L1	L1	-	-	L1
									6.4.x	L1	L1	L3	L1	L1	-	-	L1
	RX	Eth	2.701fT157	5.0.2	-	-	-	L1	-	-	-	L3	L3	L3	-	-	L3
			2.8.0aT143	6.0.x	-	-	-	L1	-	-	-	L3	L3	L3	-	-	L3
	Turbolron 24X	Eth	4.2.0.0	L3	-	-	-	L3	-	-	-	6.3.x	L1	L1	-	-	L1
			4.2.0.0a	4.3.x	-	-	-	L1	-	-	-	5.4.x	L1	L3	-	-	L1
												5.5.x	L1	L1	-	-	L1
												6.0.x	L1	L1	-	-	L1
			7.3.0	L2	-	-	-	L2	-	-	-	5.5.x	L1	L1	-	-	L1
			6.3.x	L1	L1	-	-	L1									
	6.4.x	L1	L1	-	-	L1											
	VDX 6720	Conv	2.0.1a	5.1.x	L1	-	-	L1	L3	L3	L3	5.5.x	L1	L1	-	-	L1
												6.0.x	L1	L1	-	-	L1
												6.1.x	L1	L1	-	-	L1
VDX 6730	Conv	3.0.1	L3	L3	-	L3	L3	6.3.x	L3	L1	L3	L3	L1	-	-	L1	
Cisco	Catalyst 3560E	Eth	12.2(53)SE2	L3	-	-	L3	L3	-	-	-	5.4.x	L1	L3	-	L1	L1
												6.1.x	L1	L1	-	L1	L1
												6.2.x	L1	L1	-	L1	L1
			12.2(53)SE2	L3	-	-	L3	L3	-	-	-	6.3.x	L1	L1	-	L1	L1

Vendor	Model	Type	Switch FW Version	PS Series					SC Series											
				PS OS	DCB	Switch Interconnect			FCoE			iSCSI			Switch Interconnect					
						vPC/VLT	Stacking	LAG	SCOS	Virtual	Legacy	SCOS	Virtual	Legacy	vPC/VLT	Stacking	LAG			
Cisco (cont)	Catalyst 3560E											6.4.x	L1	L1	-	L1	L1			
												6.5.x	L1	L1	-	L1	L1			
	Catalyst 3750E	Eth	12.2(35)SE5	Deprecated					-	-	-	5.4.x	L1	L3	-	L1	L1			
				5.5.x	L1	L1	-	L1	L1											
				6.0.x	L1	L1	-	L1	L1											
				12.2(53)SE2	Deprecated					-	-	-	6.1.x	L1	L1	-	L1	L1		
				15.0(2)SE2	Deprecated					-	-	-	5.6.x	L1	L1	-	L1	L1		
					6.4.x	L1	L1	-	L1	L1										
	6.5.x	L1	L1		-	L1	L1													
	Catalyst 3750X-48T-L	Eth	12.0(1)SE2	5.1.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	-	L3			
				6.0.x	-	-	L1	L1												
			12.0(2)SE4	7.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3			
	Catalyst 4948 10Gb	Eth	12.2(40)SG	4.3.x	-	-	-	L1	-	-	-	L3	L3	L3	-	-	L3			
			15.0(2)SG8	7.0.x	-	-	-	L1	-	-	-	L3	L3	L3	-	-	L3			
	Catalyst 4948E	Eth	15.2(1)E2	7.0.x	-	-	-	L1	-	-	-	L3	L3	L3	-	-	L3			
	Nexus 5010/5020*^	Conv	4.1(3)N1(1)	L3	-	L3	-	L3	L3	L3	L3	L3	5.3.x	L1	L3	L1	-	L1		
													5.4.x	L1	L3	L1	-	L1		
													6.0.x	L1	L1	L1	-	L1		
			4.2(1)N1(1)	4.3.x	-	L3	-	L1				L2	L2	L2	L2	-	L2			
			4.2(1)N2(1)	L2	-	L3	-	L2	5.5.x	L1	L1	6.1.x	L1	L1	L1	-	L1			
									6.0.x	L1	L3	L2	L2	L3	L1	-	L1			
			5.0(3)N1(1c)	L2	-	L2	-	L2	L2	L2	L2	L2	L2	L2	5.5.x	L1	L1	L1	-	L1
															6.0.x	L1	L1	L1	-	L1
6.1.x															L1	L3	L1	-	L1	
5.0(3)N2(2)			5.1.x	-	L1	-	L1				L2	L2	L2	L2	-	L2				
5.0(4)N1(4d)			L2	-	L2	-	L2	L2	L2	L2	L2	L2	L2	6.0.x	L1	L1	L1	-	L1	
5.1(3)N1(1a)			L2	-	L2	-	L2	L2	L2	L2	L2	L2	L2	5.5.x	L1	L1	L1	-	L1	
	6.1.x	L3												L1	L1	-	L1			
	6.2.x	L1												L3	L1	-	L1			

Vendor	Model	Type	Switch FW Version	PS Series					SC Series								
				PS OS	DCB	Switch Interconnect			FCoE			iSCSI			Switch Interconnect		
						vPC/VLT	Stacking	LAG	SCOS	Virtual	Legacy	SCOS	Virtual	Legacy	vPC/VLT	Stacking	LAG
Cisco (cont)	Nexus 5010/5020*^		5.1(3)N2(1)	6.0.x	-	L1	-	L1	L2	L2	L2	L2	L2	L2	L2	-	L2
			5.1(3)N2(1b)	-	-	-	-	-	L2	L2	L2	5.5.x	L1	L1	L2	-	L2
				6.3.x	L1	L3	L2	-	L2								
	5.2(1)N1(5)	7.0.x	-	L1	-	L1	L2	L2	L2	L2	L2	L2	L2	L2	-	L2	
	Nexus 55xxUP^	Conv	5.0(3)N1(1c)	L3	N	L3	-	L3	6.3.x	L1	L1	5.5.x	L1	L1	L1	-	L1
				6.0.x	L1	L1	L1	-	L1								
				6.1.x	L1	L1	L1	-	L1								
				6.2.x	L1	L1	L1	-	L1								
			5.2(1)N1(1)	6.0.x	N	L1	-	L1	L2	L2	L2	-	-	-	L2	-	L2
			5.2(1)N1(2a)	L2	N	L2	-	L2	L2	L2	L2	5.6.x	L1	L1	L1	-	L1
				6.3.x	L1	L1	L1	-	L1								
				6.4.x	L1	L1	L1	-	L1								
			6.0(2)N1(2)	6.0.x	N	L1	-	L1	L2	L2	L2	L2	L2	L2	L2	L2	-
	6.0(2)N2(2)	L2	N	L2	-	L2	6.4.x	L1	L1	6.4.x	L1	L1	L1	-	L1		
		6.5.x	L1	L3	6.5.x	L1	L3	L1	-	L1							
	7.0(0)N1(1)	7.0.x	L1	L1	-	-	L2	L2	L2	L2	L2	L2	L2	-	L2		
	Nexus 7000	Conv	6.1(1)	L3	-	L3	-	L3	-	-	-	6.4.x	L1	L1	L1	-	L1
			6.1(2)	6.0.x	N	L3	-	L1	-	-	-	L2	L2	L2	L2	-	L2
			6.2(2a)	7.0.x	N	L3	-	L1	-	-	-	L2	L2	L2	L2	-	L2
6.2(6)			7.0.x	N	L3	-	L1	-	-	-	L2	L2	L2	L2	-	L2	
UCS 6120XP ^o	Conv	1.4(1m)	L3	-	L3	-	L3	5.5.x	L1	L3	L3	L3	L3	L3	L3	L1	
Dell	DN N2000	Eth	6.0.x	7.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3
	DN N3000	Eth	6.0.x	7.0.x	-	-	L1	L1	-	-	-	6.5.x	L1	L1	L1	L1	L1
	DN N4000	Eth	6.0.x	7.0.x	L1	-	L1	L1	-	-	-	6.5.x	L1	L1	L1	L1	L1
	DN S5000	Conv	9.0.x	6.0.x	L1	L1	L1	L1	L3	L3	L3	6.3.x	L1	L1	L1	L1	L1
				7.0.x	L1	L1	L1	L1									
			9.1.x	7.0.x	L1	L1	L1	L1	L3	L3	L3	6.5.x	L1	L1	L1	L1	L1
	DN S6000	Eth	9.0.x	6.0.x	L1	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3
9.3.x			7.0.x	L1	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3	
9.4.x			7.0.x	L1	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3	

Vendor	Model	Type	Switch FW Version	PS Series					SC Series								
				PS OS	DCB	Switch Interconnect			FCoE			iSCSI			Switch Interconnect		
						vPC/VLT	Stacking	LAG	SCOS	Virtual	Legacy	SCOS	Virtual	Legacy	vPC/VLT	Stacking	LAG
Dell (cont)	DN Z9000 (Force10 Z9000)	Eth	9.3.x	7.0.x	-	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3
			9.4.x	7.0.x	-	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3
	Force10 C-Series	Eth	7.7.2.x	4.3.x	-	-	-	L1	-	-	-	L3	L3	L3	-	L3	L3
	DN MXL (Force10 MXL)	Eth	8.3.16.x	5.2.x	L1	L1	L1	L1	-	-	-	5.5.x	L1	L3	L1	L1	L1
				6.0.x	L1	L1	L1	L1	-	-	-	6.2.x	L1	L1	L1	L1	L1
				6.3.x	L1	L1	L1	L1	-	-	-	6.4.x	L1	L1	L1	L1	L1
			9.2.x	6.0.x	L1	L1	L1	L1	-	-	-	6.4.x	L1	L1	L1	L1	L1
				7.0.x	L1	L1	L1	L1	-	-	-	6.4.x	L1	L1	L1	L1	L1
			9.3.x	L3	-	L3	-	L3	-	-	-	6.5.x	L1	L3	L1	L1	L1
	9.4.x	7.0.x	L1	L1	L1	L1	-	-	-	L2	L2	L2	L2	L2	L2		
	Force10 S25N	Eth	7.7.2.x	4.3.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3
				8.4.2.x	5.1.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3
			8.4.2.x	6.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3
				7.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3
	DN S4810 (Force10 S4810)	Eth	8.3.7.x	5.1.x	N	N	L1	L1	-	-	-	5.5.x	L1	L1	L1	L1	L1
												6.0.x	L1	L1	L1	L1	L1
												6.1.x	L1	L1	L1	L1	L1
			8.3.12.x	5.2.x	L1	L1	L1	L1	-	-	-	5.5.x	L1	L1	L1	L1	L1
				6.0.x	L1	L1	L1	L1	-	-	-	6.3.x	L1	L1	L1	L1	L1
			9.1.x	6.0.x	L1	L1	L1	L1	-	-	-	6.4.x	L1	L1	L1	L1	L1
			9.2.x	7.0.x	L1	L1	L1	L1	-	-	-	6.4.x	L1	L1	L1	L1	L1
			9.3.x	L3	-	L3	-	L3	6.5.x	L1	L3	6.5.x	L1	L1	L1	L1	L1
	9.4.x	7.0.x	L1	L1	L1	L1	-	-	-	L2	L2	L2	L2	L2	L2		
DN S4820T (Force10 S4820T)	Eth	8.3.19.x	6.0.x	L1	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3	
		9.2.x	7.0.x	L1	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3	
		9.4.x	7.0.x	L1	L1	L1	L1	-	-	-	L3	L3	L3	L3	L3	L3	
Force10 S50N	Eth	7.7.2.x	4.3.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
			8.4.2.x	5.1.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3
		8.4.2.x	6.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	

Vendor	Model	Type	Switch FW Version	PS Series					SC Series									
				PS OS	DCB	Switch Interconnect			FCoE			iSCSI			Switch Interconnect			
						vPC/VLT	Stacking	LAG	SCOS	Virtual	Legacy	SCOS	Virtual	Legacy	vPC/VLT	Stacking	LAG	
Dell (cont)	Force10 S50N			7.0.x	-	-	L1	L1										
	Force10 S55	Eth	8.3.5.x	5.1.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
				6.0.x	-	-	L1	L1										
				7.0.x	-	-	L1	L1										
	Force10 S60	Eth	8.3.3.x	5.1.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
				6.0.x	-	-	L1	L1										
				7.0.x	-	-	L1	L1										
	PowerConnect 62xx Family	Eth	2.2.0.x	-	-	-	-	-	-	-	-	-	6.3.1	L1	L1	-	L1	L1
			3.2.0.x	4.1.x	-	-	L1	L1	-	-	-	6.3.1	L1	L1	-	L1	L1	
			3.3.4.x	6.0.x	-	-	L1	L1	-	-	-	6.3.1	L1	L1	-	L1	L1	
			3.3.7.x	7.0.x	-	-	L1	-	-	-	-	L2	L2	L2	-	L2	L2	
	PowerConnect 70xx Family	Eth	4.0.x	L3	-	-	L3	L3	-	-	-	5.5.x	L1	L1	-	L1	L1	
												6.0.x	L1	L1	-	L1	L1	
												6.1.x	L1	L1	-	L1	L1	
												6.2.x	L1	L1	-	L1	L1	
												6.3.x	L1	L1	-	L1	L1	
			4.1.x	4.3.x	-	-	L1	L1	-	-	-	L2	L2	L2	L2	L2	L2	
			4.2.x	6.0.x	-	-	L1	L1	-	-	-	L2	L2	L2	L2	L2	L2	
			5.0.x	6.0.x	-	-	L1	L1	-	-	-	5.5.x	L1	L1	-	L1	L1	
												5.6.x	L1	L1	-	L1	L1	
												6.3.x	L1	L1	-	L1	L1	
	6.4.x	L1										L1	-	L1	L1			
	5.1.x	6.0.x	-	-	L1	L1	-	-	-	L2	L2	L2	L2	L2	L2			
7.0.x		-	-	L1	L1													
PowerConnect 8024	Eth	4.2.x	6.0.x	N	-	-	L1	-	-	-	L3	L3	L3	L3	-	L3		
		5.1.x	7.0.x	N	-	-	L1	-	-	-	L3	L3	L3	L3	-	L3		
PowerConnect 8024F	Eth	3.1.1.x	Deprecated					-	-	-	L3	L3	L3	L3	-	L3		
		3.1.4.x						-	-	-	6.0.x	L1	L1	-	L1	L1		
								6.1.x	L1	L1	-	L1	L1					

Vendor	Model	Type	Switch FW Version	PS Series					SC Series								
				PS OS	DCB	Switch Interconnect			FCoE			iSCSI			Switch Interconnect		
						vPC/VLT	Stacking	LAG	SCOS	Virtual	Legacy	SCOS	Virtual	Legacy	vPC/VLT	Stacking	LAG
Dell (cont)	PowerConnect 8024F		4.2.x	Deprecated					-	-	-	L2	L2	L2	L2	L2	L2
			5.0.x						-	-	-	6.3.1	-	-	-	L1	L1
									-	-	-	5.5.x	L1	L1	-	L1	L1
									-	-	-	6.4.x	L1	L1	-	L1	L1
			5.1.x						-	-	-	L2	L2	L2	L2	L2	L2
	PowerConnect 81xx Family	Eth	5.0.x	5.2.x	L1	-	L1	L1	-	-	-	6.2.x	L1	L1	-	L1	L1
				6.0.x	L1	-	L1	L1	-	-	-	6.3.x	L1	L1	-	L1	L1
				6.4.x	L1	L1	L1	-	L1	L1							
			5.1.x	6.0.x	L1	-	L1	L1	-	-	-	L2	L2	L2	L2	L2	L2
	PowerConnect B-Series B8000/8000e	Eth	6.3.0a	4.3.x	N	-	-	L1	-	-	-	L3	L3	L3	-	-	L3
			6.4.1a	5.1.x	L1	-	-	L1	-	-	-	L3	L3	L3	-	-	L3
			6.4.2	L2	L2	-	-	L2	5.5.x	L1	L3	L3	L3	L3	-	-	L1
			7.0.0b	6.0.x	L1	-	-	L1	L2	L2	L2	L3	L3	L3	-	-	L1
				7.0.x	L1	-	-	L1				6.1.x	L1	L1			
			7.0.2†	L2	L2	-	-	-	6.3.x	L1	L1	L2	L2	L2	-	-	L1
			7.1.0a†	-	L2	-	-	L2	5.6.x	L1	L1	L3	L3	L3	-	-	L1
									6.3.x	L1	L1				-	-	L1
	6.4.x	L1							L1	-	-				L1		
PowerConnect B-Series RX	Eth	2.7.2fT157	5.0.2	NA	-	-	L1	-	-	-	L3	L3	L3	-	-	L3	
		2.8.0aT143	6.0.x	NA	-	-	L1	-	-	-	L3	L3	L3	-	-	L3	
PowerConnect J-Series EX4200	Eth	10.2R1.8	5.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	-	L3	
		12.0R1.9	6.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	-	L3	
			7.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	-	L3	
PowerConnect J-Series EX4500	Eth	10.2R1.8	5.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	-	L3	
		12.0R9	6.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	-	L3	

Vendor	Model	Type	Switch FW Version	PS Series					SC Series									
				PS OS	DCB	Switch Interconnect			FCoE			iSCSI			Switch Interconnect			
						vPC/VLT	Stacking	LAG	SCOS	Virtual	Legacy	SCOS	Virtual	Legacy	vPC/VLT	Stacking	LAG	
Dell (cont)	PowerConnect M6348	Eth	3.1.3.x	4.3.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
			4.2.x	6.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
			5.0.x	6.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
			5.1.x	6.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
				7.0.x	NA	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
	PowerConnect M8024-k	Eth	4.2.x	5.1.x	N	-	-	L1	-	-	-	5.5.x	L1	L3	-	-	L1	
				6.0.x	N	-	-	L1	-	-	-	6.2.x	L1	L3	-	-	L1	
			5.0.x	6.0.x	N	-	-	L1	-	-	-	L2	L2	L2	-	-	L2	
				5.1.x	6.0.x	N	-	-	L1	-	-	-	5.6.x	L1	L3	-	-	L1
					6.4.x	L1	L3	-	-	L1								
	PowerConnect M8428-k	Eth	6.3.1_dcb1	6.0.x	N	-	-	L1	L3	L3	L3	L2	L2	L2	-	-	L2	
			6.3.1_dcb5	7.0.x	N	-	-	L1	6.4.x	L1	L1	6.4.x	L1	L1	-	-	L1	
									6.5.x	L1	L3	6.5.x	L1	L3	-	-	L1	
	PowerEdge IO Aggregator	Eth	8.3.17.x	6.0.x	L1	-	L1	L1	-	-	-	-	-	-	-	-	-	
			9.2.x	6.0.x	L1	L1	L1	L1	-	-	-	-	-	-	-	-	-	
7.0.x				L1	L1	L1	L1	-	-	-	-	-	-	-	-	-		
Juniper Networks	EX4200-48T	Eth	10.2R1.8	5.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
			12.0R1.9	6.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
				7.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
	EX4500-48T	Eth	10.2R1.8	5.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	
			12.0R9	6.0.x	-	-	L1	L1	-	-	-	L3	L3	L3	-	L3	L3	

⁰ Dell Compellent has tested directly connecting into a Cisco UCS 6120XP over FCoE connectivity. This requires the 6120XP to be in FC Switching Mode and Storage Center ports to be in Virtual Port mode. If leveraging a native Fibre Channel connection, an external switch is required and the 6120XP must be set to FC End Host Mode. Cisco UCS does not support FCoE direct connect on UCS firmware versions prior to 2.1(1).

*Cisco Nexus 5010/5020 FCoE with firmware version 5.1(1)N1(2A) is not supported. Firmware version 5.1(3)N1(1a) is recommended and supported

^ Please see [Cisco Nexus Configuration Guide](#) for proper configuration when used with PS Series Arrays.

SAN Deprecated Switches

The switches listed below have been previously tested for use with Dell Storage products, but they are no longer tested by Dell. These switches are supported at Level 2 (as set forth above) for configurations listed.

Entries with a "-" were never tested for that platform/protocol and would continue to be considered as Level 3 supported.

Vendor	Model	Type	Last Switch FW Version	PS Series	SC Series		
				Last Valid OS Version	Last Valid OS Version		
					Fibre Channel	FCoE	iSCSI
Arista	7148SX	Eth	EOS4.5.1	4.3.x	-	-	-
Brocade	5100	FC	6.3.0c	NA	5.4.x	NA	NA
	FGS648P-STK	Eth	05.0.1T7e11	4.1.x	-	-	-
	FESX648	Eth	04.2.00T73e2	4.1.x	-	-	-
	FCX648S	Eth	06.0.00T7f12	4.1.x	-	-	-
Cisco	Catalyst 3750E-48TD	Eth	12.2(35)SE51	4.1.x	-	-	-
	Catalyst 4900M	Eth	12.2(40)SG2	4.1.x	-	-	-
	MDS 9124	FC	5.01a	NA	5.4.x	NA	NA
	MDS 9128	FC	5.0.4	NA	5.4.x	NA	NA
	M3130G	Eth	12.2(50)SE	Host Only	-	-	-
	M3130X	Eth	12.2(50)SE	Host Only	-	-	-
Dell	PowerConnect 5424	Eth	2.0.0.43	4.1.x	-	-	-
	PowerConnect 5448	Eth	2.0.0.43	4.1.x	-	-	-
	PowerConnect M6220	Eth	2.2.0.3	Host Only	-	-	-
			5.0.1.3	Host Only	-	-	-
			5.1.x	Host Only	-	-	-
	PowerConnect M8024	Eth	5.1.0.x	Host Only	-	-	-
PowerConnect 8024	Eth	5.1.0	7.0.x	-	-	-	
Extreme Networks	X450a-48T	Eth	1.0.3.11	4.1.x	-	-	-
HP	3500yl-48G	Eth	K12.122	4.1.x	-	-	-
McData	4300	FC	9.9.6.2	NA	5.4.x	NA	NA
	Sphereon 4400	FC	09.01.00.50	NA	5.4.x	NA	NA
	Sphereon 4500	FC	9.9.0.16	NA	5.4.x	NA	NA
	Sphereon 4700	FC	9.01.00.50	NA	4.2.x	NA	NA
	Intrepid 6064	FC	9.01.00.50	NA	3.6.x	NA	NA
Nortel/Avaya	ERS5510-48T	Eth	5.0.0.21	4.1.x	-	-	-
Qlogic	1400	FC	5.0.1.10.0	NA	4.1.x	NA	NA
	SANBox 5600	FC	7.4.0.16.0	NA	5.2.x	NA	NA
	SANBox 5800	FC	7.4.0.16.0	NA	5.2.x	NA	NA

Fibre Channel Host Bus Adapters

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes			
Apple	OS X	5.3	LSI	7x02XP-LC	2.0.1	1.00.30	1.2.23.0	4.x.y	L3				
				7x04EP	2.0.2	NA	1.3.20.0	4.x.y	L3				
		5.4	LSI	7x02EP	2.0.2	NA	1.2.18.0	4.x.y	L3				
				7x02EP	2.0.2	NA	1.2.18.0	4.x.y	L3				
		5.6	LSI	7x02XP-LC	2.0.2	1.00.30	1.2.23.0	4.x.y	L3				
		5.7	LSI	7x02EP	2.0.2	NA	1.2.18.0	5.1.x	L3				
		5.8	LSI	7x02XP-LC	2.0.2	1.00.30	1.2.23.0	5.1.x	L3				
								7x02EP	2.0.2	NA	1.2.18.0	4.x.y	L3
												5.2.x	L3
												5.3.x	L3
												5.4.x	L3
								5.5.x	L3				
		6.2	LSI	7x04EP	NA	NA	NA	5.2.x	L3				
		6.7	LSI	7x04EP	NA	NA	NA	5.2.x	L3				
		6.8	LSI	7x02EP	NA	NA	1.2.18.0	6.0.x	L3				
								2.5.0	NA	1.2.18.0	5.5.x	L3	
											6.1.x	L3	
								7x04EP	NA	NA	NA	5.5.x	L3
												6.0.x	L3
						1.12.18	5.5.x	L3					
						1.3.23.0	6.2.x	L3					
		8.2	LSI	7x04EP	NA	NA	1.3.23.0	5.5.x	L3				
								5.6.x	L3				
6.3.x	L3												
6.4.x	L3												
6.5.x	L3												
Citrix	XenServer	5.6	Qlogic	QxE25xx	NA	NA	NA	5.5.x	N				
								6.0.x	N				
								6.1.x	N				
								6.2.x	N				
								6.3.x	N				
		6.0	Emulex	LPx1200x	8.3.5.77.1p	2.12a6	2.00a4	6.2.x	L1				
		6.1	Emulex	LPx1200x	8.3.5.77.1p		2.12a10	2.01a10	5.5.x	L1			
									6.3.x	L1			
									6.4.x	L1			
		6.2	Emulex	LPx1200x	8.3.7.14	2.12a11	2.01a11	5.6.x	L3				
					8.3.7.14	5.13a0	2.01a12	6.5.x	L1				
	Qlogic	QxE25xx	8.5.0.3.55.6-k	3.20	5.09.00	5.6.x	L3						

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes	
Citrix	XenServer				8.05.00.03.55.6-k	3.24	7.01.00	6.5.x	L1		
HP	HP-UX	11i v2	Emulex	LP900x	4.31.09	NA	3.93a0	4.x.y	L3		
					4.32.03	NA	3.93a0	4.x.y	L3		
								5.2.x	L3		
			HP	A6795A	B.11.23.0709	1.37	NA	4.x.y	L3	Agilent Tachyon XL2	
								5.2.x	L3		
								5.3.x	L3		
								5.4.x	L3		
								5.5.x	L3		
								6.0.x	L3		
								6.1.x	L3		
		6.2.x	L3								
		11i v3	Emulex	LP1100x	6.00.05	NA	2.70a5	4.x.y	L3		
								HP	AD194-60001	B.11.31.01	1.09
			5.0.x	L1							
			5.1.x	L1							
			5.2.x	L1							
			5.3.x	L1							
			5.4.x	L1							
			2.05	4.04.04	4.x.y	L1					
			5.5.x	L1							
			5.3.x	L1							
			5.4.x	L1							
			B.11.31.0909	2.12	4.04.04	5.4.x	L1				
5.5.x	L1										
AH401A	B.11.31.0909	2.12	4.04.04	5.5.x	L1	Qlogic 2562 ASIC					
				6.0.x	L1						
B.11.31.1009	2.05	4.04.04	5.5.x	L1							
			5.6.x	L1							
			6.0.x	L1							
			6.1.x	L1							
			6.2.x	L1							
			6.3.x	L1							
			6.4.x	L1							
			6.5.x	L1							
			2.12	4.04.04	6.0.x	L1					
			6.3.x	L1							
Tru-64	5.1A	HP	FCA2684	2.14	NA	1.90a4	4.x.y	L3	Emulex LP10000		

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes	
HP (cont)	Tru-64	5.1A	HP	FCA2684	2.14	NA	1.90a4	4.x.y	L3		
								5.1.x	L3		
								5.2.x	L3		
								5.3.x	L3		
								5.4.x	L3		
								5.5.x	L3		
								6.0.x	L3		
								6.1.x	L3		
								6.2.x	L3		
	6.3.x	L3									
	OpenVMS	8.3	HP	FCA2354	NA	NA	NA	NA	4.x.y	L1	Emulex LP9xxx
									5.1.x	L1	
									5.2.x	L1	
									5.3.x	L1	
									5.4.x	L1	
									5.5.x	L1	
									6.0.x	L1	
									6.1.x	L1	
6.2.x									L1		
8.4	HP	FCA2354	NA	NA	NA	NA	5.5.x	L1	Emulex LP9xxx		
							5.6.x	L1			
							6.3.x	L1			
							6.4.x	L1			
							6.5.x	L1			
IBM	AIX	5.2	Cambex	PC200x	2.5.10.39	NA	3.3.19	4.x.y	L3		
								5.1.x	L3		
								5.2.x	L3		
								5.3.x	L3		
								5.4.x	L3		
								5.5.x	L3		
		5.3	Cambex	PC400x	3.0.0.9	NA	NA	4.00.26	4.x.y	L3	
								4.00.29	4.x.y	L3	
			IBM	575x	5.3.90	NA	10x8	4.x.y	L1	Emulex LP11000	
		5.0.x	L1								
		5.1.x	L1								
		5.2.x	L1								
		5.3.x	L1								
		5.4.x	L1								
		5.5.x	L1								
6.0.x	L1										

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes	
IBM (cont)	AIX	5.3	IBM	575x	5.3.90	1.50a4	10x8	5.5.x	L1		
				577D	6.1.6.0	3.10a3	2.00x7	6.1.x	L1	Emulex LP12002	
		6.1	IBM	575x	575x	6.1.90	NA	10x8	4.x.y	L1	Emulex LP11000
					577D	6.1.2.0	NA	11x4	4.x.y	L1	Emulex LP12002
				577D	5.2.x	L1					
					5.3.x	L1					
					5.4.x	L1					
					5.5.x	L1					
					6.0.x	L1					
					6.1.4.1	3.10a3	11x4	5.5.x	L1		
				6.1.6.0	3.10a3	2.00x7	5.5.x	L1			
							5.6.x	L1			
							6.1.x	L1			
							6.2.x	L1			
							6.3.x	L1			
							6.4.x	L1			
		6.5.X	L1								
		6.4.6.0	NA	11x4	6.0.x	L1					
		7.1	IBM	577D	7.1.0.0	3.10a3	2.00x7	5.5.x	L1	Emulex LP12002	
					7.1.0.15	NA	11x4	6.0.x	L1		
					6.1.6.0	3.10a3	2.00x7	5.5.x	L1		
5.6.x	L1										
6.1.x	L1										
6.2.x	L1										
6.3.x	L1										
6.4.x	L1										
6.5.X	L1										
Microsoft	Windows Server	2003 R2	Emulex	LPx1100x	5-2.10A7	2.00a1	2.70a5	4.x.y	L1		
					5.03a0	2.80a4	4.x.y	L3			
					5.2.30.016	5.03a0	2.82.a4	5.2.x	L3		
								5.2.50.007	2.12a6	2.00a4	5.5.x
					7-2.10a7	5.03a0	2.80a4	6.0.x	L3		
								4.x.y	L3		
					5.0.x	L3					
					LPx1200x	5-2.10a7	5.03a2	1.10a5	4.x.y	L3	
				5.2.30.016		5.03a2	1.11a5	5.2.x	L3		
				5.2.32.002		2.12A6	2.00A4	5.5.x	L1		

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes		
Microsoft (cont)	Windows Server	2003 R2	Emulex	LPx1100x	5.2.50.7	2.12A6	2.00A4	6.1.x	L1			
								6.2.x	L1			
					5.2.70.018	2.12A10	2.01A10	5.5.x	L1			
								6.3.x	L1			
								6.4.x	L1			
						2.12A11	2.01A11	5.6.x	L3			
						5.13a0	2.01a12	6.5.x	L1			
					7-2.10a7	5.03a2	1.10a5	4.x.y	L3			
								5.0.x	L3			
					7.2.30.016	5.03a2	1.11a5	5.2.x	L3			
								5.4.x	L3			
					7.2.50.007	2.12a6	2.00a4	6.0.x	L1			
					Qlogic	QLA23xx	9.1.4.15	1.52	3.03.21	4.x.y	L3	
							9.1.7.16	1.43	3.03.25	4.x.y	L1	
			QxE24xx	9.1.4.15		1.18	4.00.26	4.x.y	L1			
						1.24	4.00.26	4.x.y	L3			
				9.1.7.16		1.18	4.03.01	4.x.y	L3			
				9.1.7.18		1.18	4.04.00	4.x.y	L1			
						2.10	4.04.00	4.x.y	L1			
				9.1.8.16		1.12	4.06.04	5.0.x	L1			
						2.10	4.06.02	4.x.y	L1			
								5.1.x	L1			
								5.2.x	L1			
							4.06.04	5.0.x	L1			
								5.1.x	L1			
				9.1.8.17		1.12	5.01.02	4.x.y	L1			
								5.2.x	L1			
						1.29	5.01.02	5.4.x	L3			
			2.10		4.04.00	4.x.y	L1					
				5.01.02	4.x.y	L1						
9.1.8.25	2.10	5.01.03	4.x.y	L1								
			5.2.x	L1								

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes				
Microsoft (cont)	Windows Server	2003 R2	Qlogic	QxE24xx			5.04.02	5.3.x	L1					
								5.4.x	L1					
								5.5.x	L1					
								6.0.x	L1					
								5.5.x	L1					
								6.0.x	L1					
				9.1.9.25	2.10	5.04.02	5.5.x	L1						
				9.1.9.27	2.10	5.04.04	5.5.x	L1						
					3.00	5.04.04	6.0.x	L1						
				QxE25xx	9.1.9.27	3.00	5.04.04	5.5.x	L1					
								6.0.x	L1					
								6.1.x	L1					
		6.2.x	L1											
		6.3.x	L1											
		3.13	5.04.04					6.4.x	L3					
		2008	Emulex	LPx1100x	5-2.10a7	5.03a0	2.80a4	4.x.y	L3					
								5.0.x	L3					
								7-2.10a7	5.03a0	2.72a2	4.x.y	L3		
											2.80a4	4.x.y	L3	
												5.0.x	L3	
								7.230.016	5.03a0	2.82a4	5.2.x	L3		
				5.4.x	L3									
				LPx1200x	5-2.10a7	5.03a2	1.10a5	4.x.y	L3					
								5.0.x	L3					
7-2.10a7	5.03a0				1.10a5	4.x.y	L3							
	5.03a2				1.10a5	4.x.y	L3							
7.2.30.016	5.03a2				1.11a5	5.2.x	L3							
		5.4.x	L3											
7.2.50.007	2.12a6	2.00a4	6.0.x		L1									
7.2.70.014	2.12a6	2.00a4	5.5.x		L1									
			6.0.x	L1										
			6.1.x	L1										
			6.2.x	L1										

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes
Microsoft (cont)	Windows Server	2008	Qlogic	QLA23xx	9.1.4.5	1.50	3.03.21	4.x.y	L1	
					9.1.7.16	1.43	3.03.25	4.x.y	L1	
						1.50	3.03.25	4.x.y	L1	
						1.54	3.03.25	5.2.x	L1	
					9.1.7.18	1.43	3.03.25	4.x.y	L1	
						1.50	3.03.25	4.x.y	L1	
						1.54	3.03.21	4.x.y	L1	
							3.03.25	4.x.y	L1	
							5.0.x	L1		
							5.1.x	L1		
					5.2.x	L1				
					QxE24xx	9.1.7.18	2.10	4.04.04	5.4.x	L1
				9.1.8.17		1.29	5.01.02	5.4.x	L1	
				9.1.8.25		2.10	5.01.03	4.x.y	L1	
								5.2.x	L1	
								5.3.x	L1	
							5.4.x	L1		
						5.04.02	5.5.x	L1		
						6.0.x	L1			
				9.1.9.27		2.10	5.04.04	5.5.x	L1	
						3.00	5.04.04	6.0.x	L1	
				QxE25xx	9.1.9.25	2.10	5.04.02	5.5.x	L1	
								6.0.x	L1	
						3.00	5.04.01	6.0.x	L1	
					5.04.02		6.0.x	L1		
					9.1.9.27	3.00	5.04.04	5.5.x	L1	
							5.06.04	5.5.x	L1	
						6.1.x	L1			
						6.2.x	L1			
					9.1.9.47	3.00	5.06.04	6.2.x	L1	
					9.1.10.26	3.13	5.06.05	5.5.x	L1	
				6.3.x				L1		

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes		
Microsoft (cont)	Windows Server	2008						6.4.x	L1			
		2008 R2	Emulex	LPx12xx	7.2.50.007	3.03a9	2.00a5	5.5.x	L1			
					7.2.50.007			6.0.x	L1			
								6.1.x	L1			
								6.2.x	L1			
					2.72.012.001			6.03x1	2.10a10	5.5.x	L1	
					2.74.014.001					6.3.x	L1	
										6.4.x	L1	
				2.76.003.001	6.03x1	2.10a12	6.5.x	L1				
				LPx1200x	7.2.41.0	5.03a2	2.00a4	5.5.x	L3			
					6.0.x			L3				
					7.2.50.007	5.03a2	2.00a4	6.0.x	L3			
						3.03a9	2.00a5	5.5.x	L3			
					7.2.50.014	5.03a2	2.00a4	6.1.x	L3			
								6.2.x	L3			
			7.2.70.018		5.03a2	2.00a4	6.2.x	L3				
			2.72.012.001		6.03x1	2.10a10	6.3.x	L3				
					5.03a2	2.10a10	6.3.x	L3				
			2.74.014.001		5.03a2	2.01a11	5.6.x	L3				
							6.3.x	L3				
							6.4.x	L3				
			LPx1600x		2.72.012.001	kt8.00a	1.1.21.4	5.5.x	L1			
					6.3.x			L1				
				2.74.014.001	kt8.02a8	1.1.35.0	5.6.x	L1				
							6.3.x	L1				
							6.4.x	L1				
				2.76.003.001	kt8.03a1	1.1.43.3	5.6.x	L1				
							6.4.x	L1				
			2.76.003.001	kt8.03a15	1.1.55.1	6.5.x	L1	Kit 1.1.55.1				
				Qlogic	QLA23xx	9.1.8.6	1.43	3.03.25	5.5.x	L3		

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes	
Microsoft (cont)	Windows Server	2008 R2	Qlogic	QxE24xx	9.1.8.25	1.29	4.00.30	5.5.x	L1		
						1.43	5.01.03	5.4.x	L1		
						2.10	5.01.03	5.3.x	L1		
								5.4.x	L1		
							5.5.x	L1			
					9.1.8.6	1.19	4.06.01	6.0.x	L1		
					9.1.9.25	1.29	5.04.02	5.5.x	L3		
						2.10	5.04.02	5.5.x	L1		
								6.0.x	L1		
					3.00	5.04.01	6.0.X	l1			
					9.1.9.27	1.18	5.04.04	5.5.x	L3		
						2.10	5.04.04	5.5.x	L1		
					9.1.9.47	3.00	5.06.04	5.5.x	L1		
								6.1.X	L3		
								6.2.x	L1		
					9.1.10.26	3.00	5.06.05	6.3.x	L3		
					9.1.11.20	3.20	5.09.00	5.5.x	L3		
								6.3.x	L3		
				6.4.x				L3			
				QxE25xx	9.1.9.27	3.00	5.04.04	5.5.x	L3		
								5.5.x	L1		
								6.0.x	L1		
					9.1.9.47	3.00	5.06.04	5.5.x	L1		
								6.1.x	L1		
								6.2.x	L1		
					9.1.10.26	3.00	5.06.05	5.5.x	L3		
								6.3.x	L1		
					3.13	5.06.05	6.3.x	L1			
					9.1.11.20	3.13	5.09.00	5.6.x	L1		
								6.4.x	L1		
								3.18	5.09.00	5.6.x	L3
				3.20				5.09.00	5.6.x	L3	

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes		
Microsoft (cont)	Windows Server	2008 R2	Qlogic	QxE25xx				6.3.x	L3			
								6.4.x	L3			
					9.1.11.24	3.23	7.00.02	6.5.x	L1			
					3.24	7.01.00	6.5.x	L1				
				QxE26xx	9.1.10.26	3.17	6.04.00	6.2.x	L1			
								6.3.x	L1			
			9.1.10.27		3.17	6.04.00	6.4.x	L3				
			9.1.11.20		3.17	6.04.00	6.3.x	L1				
					3.19	6.06.03	5.6.x	L3				
							6.4.x	L3				
				9.1.11.24	3.24	7.01.00	6.5.x	L3				
			2012	Emulex	LPx1600x		2.76.003.001		1.1.21.4	1.1.21.4	6.4.x	L1
		6.5.x									L3	
		Qlogic		QxE25xx	9.1.9.109	3.00	5.04.01	6.2.x	L1			
								6.3.x	L1			
					9.1.10.26	3.13	5.07.00	5.5.x	L1			
								6.3.x	L1			
					9.1.11.20	3.13	5.09.00	6.4.x	L1			
					3.20	5.09.00	5.6.x	L3				
		9.1.11.24		3.24	7.01.00	6.5.x	L1					
		QxE26xx		9.1.10.28	3.13	6.04.00	5.5.x	L1				
							6.3.x	L1				
				9.1.11.20	3.17	6.04.00	6.4.x	L1				
					3.19	6.06.03	5.6.x	L3				
		9.1.11.24		3.24	7.01.00	6.5.x	L1					
		2012 R2		Emulex	LPx1600x		2.76.003.001		1.1.21.4	1.1.21.4	6.4.x	L1
			6.5.x								L1	
Qlogic	QxE25xx		9.1.11.30	3.24	5.09.00	6.4.x	L1					
			9.1.11.24	3.24	7.01.00	6.5.x	L1					
	QxE26xx		9.1.11.3	3.17	6.04.00	6.4.x	L1					
			9.1.11.24	3.24	7.01.00	6.5.x	L1					
			7.00.01	6.4.x	L1							

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes		
							7.01.01	6.5.x	L1			
Novell	Netware	6.5-SP6	Qlogic	QLx24xx	6.90o	1.24	4.00.26	4.x.y	L3			
		6.5-SP7	Qlogic	QLA23xx	6.90o	1.24	3.03.20	4.x.y	L1			
								5.0.x	L1			
								5.1.x	L1			
								5.2.x	L1			
								5.3.x	L1			
		6.5-SP8	Qlogic	QLA23xx	6.90o	1.5	3.03.21	5.4.x	L1			
								5.5.x	L1			
								6.0.x	L1			
								6.1.x	L1			
	6.2.x							L1				
	SUSE Linux Enterprise Server	10	Emulex	LPx1200x	8.2.0.48.2p	5.12a2	2.00	5.5.x	L1			
								6.0.x	L1			
								6.1.x	L1			
								6.2.x	L1			
							2.01a10	5.5.x	L1			
								6.3.x	L1			
								6.4.x	L1			
							8.2.0.92.1p	2.12a11	2.01a11	5.6.x	L3	
								5.13a0	2.01a12	6.5.x	L1	
Qlogic							QLx24xx	8.01.07.15	1.12	4.00.26	4.x.y	L3
	1.24	4.00.26	4.x.y	L3								
	8.01.07-k3	1.24	4.00.26	4.x.y	L1							
	8.02.00-k6	1.29	4.03.02	4.x.y	L1							
				5.0.x	L1							
				5.1.x	L1							
				5.2.x	L1							
				5.3.x	L1							
5.4.x	L1											

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes	
Novell (cont)	SUSE Linux Enterprise Server	10	Qlogic	QLx24xx				5.5.x	L1		
								6.0.x	L1		
					8.2.0.10.10.3-k4	1.29	4.04.09	5.5.x	L1		
								6.0.x	L1		
		11	Qlogic	QxE24xx	8.02.01.03.11.0-k9	1.29	4.04.05	5.2.x	L1		
				QxE25xx	8.3.7.7-k	3.00	5.04.01	6.2.x	L1		
			Qlogic	QxE25xx		3.13	5.07.00	5.5.x	L1		
								6.3.x	L1		
								6.4.x	L1		
						3.20	5.09.00	5.6.x	L3		
		8.04.00.13.11.3-k	3.24	7.01.00	6.5.x	L1					
Oracle	Linux Server (UEK)	6.3	Qlogic	QxE25xx	8.4.0.3.39.0-k	3.00	5.04.01	5.5.x	L1		
								6.3.x	L1		
		6.4	Qlogic	QxE25xx	8.04.00.11.39.o-k	3.2.0	5.08.00	5.6.x	L1		
								6.4.x	L1		
		6.5	Qlogic	QxE25xx	8.04.00.11.39.o-k	3.2.0	6.04.00	6.4.x	L3		
		QxE25xx	8.05.00.03.39.0-k	3.23	7.00.01	6.5.x	L1				
			8.05.00.03.39.0-k	3.24	7.00.01	6.5.x	L1				
	Oracle Virtual Machine	3.2.x	Qlogic	QxE25xx	8.04.00.11.39.o-k	3.2.0	5.03.07	6.3.x	L3		
				QxE26xx	8.04.00.11.39.o-k	3.2.0	6.04.00	6.4.x	L3		
	Solaris (SPARC)		9	Qlogic	QLA23xx	5.03	2.00.09	3.03.21	4.x.y	L3	
						5.04	1.17	3.03.27	4.x.y	L3	
						2.19	1.17	3.03.119	4.x.y	L3	
									5.1.x	L3	
5.2.x									L3		
1.43									3.03.119	5.3.x	L3
								5.4.x	L3		
								5.5.x	L3		
								6.0.x	L3		
								6.1.x	L3		
10	Qlogic	QLA24xx	2.21	1.17	4.00.27	4.x.y	L1				
			2.26	1.17	4.02.02	4.x.y	L1				

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes			
Oracle (cont)	Solaris (SPARC)	10	Qlogic	QLA24xx		2.04	4.02.02	4.x.y	L1				
								5.0.x	L1				
								5.1.x	L1				
					2.29	1.17	4.04.01	4.x.y	L1				
						2.04	4.04.01	4.x.y	L1				
					2.31	2.04	5.01.00	4.x.y	L1				
								5.2.x	L1				
								5.3.x	L1				
								5.4.x	L1				
				5.5.x				L1					
				6.0.x				L1					
				QxE25xx	3.05	3.15	5.04.03	5.5.x	L1				
								6.1.x	L1				
								6.2.x	L1				
					3.19	5.07.00	5.5.x	L1					
							6.3.x	L1					
							6.4.x	L1					
							6.5.x	L1					
		5.09.00	5.6.x	L3									
	3.06	3.15	5.06.00	6.2.x	L1								
11	Qlogic	QxE25xx	3.06	3.15	5.06.00	6.2.x	L1						
						6.3.x	L1						
						3.19	5.07.00	5.5.x	L1				
						6.4.x	L1						
						6.5.x	L1						
					5.09.00	5.6.x	L3						
Solaris (x86/x64)	10	Qlogic	QxE25xx	3.06	3.19	5.07.00	6.4.x	L1					
						5.09.00	5.6.x	L3					
					3.20	5.06.00	6.5.x	L1					
					11	Emulex	LPx1200x	2.70i	2.12a11	2.01a11	5.6.x	L3	
									5.12a12	2.01a11	6.5.x	L1	
RedHat	Enterprise Linux	5.0	Qlogic	QLA23xx	8.01.07-k7	1.43	3.03.20	4.x.y	L1				

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes			
RedHat (cont)	Enterprise Linux	5.1	Qlogic	QLA23xx	8.01.07-k7	1.43	3.03.20	4.x.y	L1				
		5.2	Emulex	LPx1200x	8.2.0.29	5.03a2	1.10a5	4.x.y	L3				
			Qlogic	QLA23xx	8.02.00-k5	1.43	3.03.26	4.x.y	L1				
								5.0.x	L3				
		5.3	Qlogic	QxE24xx	8.02.00.06.05.03-k	1.29	4.04.05	4.x.y	L1				
		5.4	Qlogic	QLA23xx	8.03.00.10.05.04-k	1.43	3.03.26	5.1.x	L1				
								5.2.x	L1				
				QxE24xx	8.03.00.10.05.04-k	1.29	4.04.09	4.x.y	L1				
								5.3.x	L1				
		5.4						5.4.x	L1				
		5.5	Qlogic	QxE24xx	8.03.01.04.05.05-k	1.29	4.04.09	5.4.x	L1				
								5.5.x	L1				
								6.0.x	L1				
		5.7	Qlogic	QxE24xx	8.03.07.03.05.07-k	1.29	5.03.16	5.5.x	L1				
								6.0.x	L1				
						3.00	5.03.16	5.5.x	L1				
		5.8	Qlogic	QxE25xx	8.03.07.03.05.07-k	3.00	5.03.16	5.5.x	L1				
								8.3.7.9.5.8-k	3.00	5.04.01	6.1.x	L1	
											6.2.x	L1	
											6.3.x	L1	
									3.13	5.07.00	5.5.x	L1	
					6.3.x	L1							
		5.9	Qlogic	QxE25xx	8.3.7.15.5.9-k	3.13	5.07.00	6.4.x	L1				
3.20	5.09.00							5.6.x	L3				
5.10	Emulex	LPx1200x	8.2.0.128.3p	5.03x3	2.01a10	6.4.x	L1						
						5.13a0	2.01a12	6.5.x	L1				
	Qlogic	QxE25xx	8.03.07.15.05.09-k	3.20	5.09.00	6.4.x	L1						
				3.24	7.01.00	6.5.x	L1						
6.0	Emulex	LPx1200x	8.3.5.17		2.12a6	1.10a5	5.4.x	L1					
							5.5.x	L1					
							6.0.x	L1					
							5.03a2	1.10a5	5.5.x	L1			

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes			
RedHat (cont)	Enterprise Linux							6.0.x	L1				
		6.2	Emulex	LPx1200x	8.3.5.45.4p	5.12a2	2.00a4	5.5.x	L1				
								6.0.x	L1				
								6.1.x	L1				
								6.2.x	L1				
								6.3.x	L1				
					8.3.5.68.5p	5.12a9	2.01a10	6.3.x	L1				
		6.3	Emulex	LPx1200x	8.3.5.68.5p	5.12a9	2.01a10	5.5.x	L1				
								6.3.x	L1				
		6.4	Emulex	LPx1200x	8.3.5.68.5p	5.12a9	2.01a10	6.4.x	L1				
			Emulex	LPx1200x				5.19a11	2.01a11	5.6.x	L1		
										6.4.x	L1		
			Qlogic	QxE25xx	8.04.00.08.06.4-k	3.20	5.09.00	6.4.x	L1				
		6.5	Emulex	LPx1200x	8.3.5.68.5p	5.13a0	2.01a12	6.5.x	L1				
Qlogic	QxE25xx		8.04.00.08.06.4-k	3.24	7.1.0	6.5.x	L1						
VMware	ESX/ESXi	4.0	Emulex	LPx2100x	8.2.0.30.53	NA	1.00	5.2.x	L1				
								5.3.x	L1				
								5.4.x	L1				
								5.5.x	L1				
						LPx1200x	8.2.0.30.53	NA	1.10a5	5.4.x	L1		
										5.5.x	L1		
								2.12a6	2.00a4	6.0.x	L1		
										5.5.x	L1		
										6.0.x	L1		
										5.5.x	L1		
			Qlogic	QxE24xx	8.02.01-k1-vmw31	1.29	4.00.30	4.x.y	L1				
								4.04.06	4.x.y	L1			
							8.02.01-k1-vm38	1.29	4.04.09	4.x.y	L1		
										5.0.x	L1		
					8.02.01-k1-vmw43	1.29	4.04.09	4.x.y	L1				
								5.2.x	L1				
											5.3.x	L1	
											5.4.x	L1	
			QxE25xx	831.k1.23vmw	2.10	5.02.00	5.3.x	L1					
							5.4.x	L1					

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes					
VMware (cont)	ESX/ESXi	4.0			8.02.01-k1-vmw48	2.10	4.04.09	5.3.x	L3						
								5.4.x	L3						
								5.5.x	L3						
								6.0.x	L3						
						3.00	4.04.09	5.5.x	L1						
								6.0.x	L1						
		4.1	Emulex	LPx1200x			8.2.0.30.53	NA	1.00	5.4.x	L3				
										5.5.x	L3				
										1.10a5	5.3.x	L1			
									1.10a5	5.4.x	L1				
										1.00	5.4.x	L1			
											5.5.x	L1			
								2.12a6	2.00a4		5.3.x	L1			
										5.5.x	L1				
										6.0.x	L1				
								2.12a6	2.00a4	6.1.x	L1				
										6.2.x	L1				
										8.2.1.79.25	NA	2.00a4	5.4.x	L3	
								8.2.1.90.28	NA	2.00a4	6.0.x	L1			
								8.2.1.141.55	2.12a10	2.01a10	5.5.x	L1			
											6.0.x	L1			
											6.1.x	L1			
											6.2.x	L1			
											2.12a11	2.01a10	6.4.x	L1	
											2.01a11	6.5.x	L1		
								LPx12xx	8.2.1.30.1-58vmw	3.03a9	2.00a5	5.5.x	L1		
												6.0.x	L1		
6.1.x	L1														
6.2.x	L1														
8.2.1.141.55	6.03x1											2.01a10	5.5.x	L1	
													5.6.x	L1	
									6.3.x	L1					
8.2.1.141.55	6.03x1								2.01a10	6.4.x	L1				
		5.5.x	L1	8Gb only											
		6.3.x	L1	8Gb only											
8.2.1.141.55	6.03x1	2.01a10	6.4.x	L1	8Gb only										
			5.5.x	L1											
			5.6.x	L1											
LPx1600x	8.2.1.141.55	1.1.21.4	1.1.21.4	5.5.x	L1	8Gb only									
				6.3.x	L1	8Gb only									
				6.4.x	L1	8Gb only									
				Qlogic	QxE24xx	831.k1.28.1-1vmw	1.12	5.02.00	5.3.x	L1					
									5.4.x	L1					
									5.5.x	L1					
2.10	5.02.00	5.5.x	L1												

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes			
VMware (cont)	ESX/ESXi	4.1	Qlogic			3.00	5.02.00	6.0.x	L1				
								5.5.x	L1				
								6.0.x	L1				
								6.1.x	L1				
								6.2.x	L1				
								5.5.x	L1				
						6.3.x	L1						
						841.k1.50.1-1vmw	3.03	5.06.05	5.5.x	L1			
									6.3.x	L1			
									3.20	5.09.00	5.6.x	L1	
											6.4.x	L1	
									QxE25xx	831.k1.23vmw	2.10	5.02.00	5.3.x
				5.4.x	L1								
				831.k1.28.1-1vmw	2.10	5.02.00	5.3.x	L1					
							5.4.x	L1					
							5.5.x	L1					
							6.0.x	L1					
							3.00	5.02.00	5.5.x	L1			
									6.0.x	L1			
				6.1.x	L1								
				6.2.x	L1								
				3.00	5.04.01	5.5.x	L1						
						6.0.x	L1						
						6.1.x	L1						
		6.2.x	L1										
		841.k1.50.1-1vmw	3.00	5.06.01	5.06.05	6.3.x	L1						
						5.5.x	L1						
						6.3.x	L1						
						3.13	5.06.05	5.5.x	L1				
								6.3.x	L1				
						3.18	5.09.00	5.6.x	L1				
			6.4.x	L1									
3.20	5.09.00		5.6.x	L1									
			6.4.x	L1									
			6.5.x	L1									
			841.k1.61.1-1vmw	3.20	5.09.00	6.5.x	L1						
QxE26xx	841.k1.50.1-1vmw		3.17	6.04.00	5.5.x	L1	8Gb only						
		6.2.x			L1	8Gb only							
		6.3.x			L1	8Gb only							
		3.19			6.06.03	6.4.x	L1	8Gb only					
						6.0.x	L1						
		5.0			Emulex	LPx12xx	8.2.2.1-18vmw	3.03a9	2.00a5	5.5.x	L1		
			6.0.x	L1									

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes	
VMware (cont)	ESX/ESXi	5.0	Emulex	LPx12xx				6.1.x	L1		
								6.2.x	L1		
					8.2.4.141.55	6.03x1	2.01a10	5.5.x	L1		
							6.3.x	L1			
				LPx1200x	8.2.2.1-18vmw	2.12a6	2.00a4	5.5.x	L1		
								6.0.x	L1		
							6.1.x	L1			
						6.2.x	L1				
				8.2.4.141.55	2.12a10	2.01a10	5.5.x	L1			
						6.3.x	L1				
			LPx1600x	8.2.4.141.55	1.1.21.4	1.1.21.4	5.5.x	L1	8Gb only		
							6.3.x	L1	8Gb only		
			Qlogic	QxE25xx	901.k1.1-14vmw	3.00	5.02.00	5.5.x	L1		
								6.0.x	L1		
								6.1.x	L1		
								6.2.x	L1		
					911.k1.1-16vmw	3.00	5.06.00	5.5.x	L1		
								6.0.x	L1		
		6.1.x						L1			
		6.2.x						L1			
		934.5.6.0-1vmw			3.00	5.06.00	6.3.x	L1			
							5.06.05	5.5.x	L1		
						3.13	5.06.00	6.3.x	L1		
								5.06.05	5.5.x	L1	
					5.06.05	5.06.00	6.3.x	L1			
							5.5.x	L1			
					QxE26xx	841.k1.50.1-1vmw	3.17	6.04.00	6.2.x	L1	8Gb only
						934.5.6.0-1vmw	3.17	6.04.00	5.5.x	L1	8Gb only
							6.3.x	L1	8Gb only		
		5.1			Emulex	LPx12xx	8.2.4.146.62	6.03x1	2.01a0	5.6.x	L1
6.4.x	L1										
2.01a10	6.5.x		L1								
LPx1600x	8.2.4.141.55		1.1.21.4	1.1.21.4		5.5.x	L1				
						6.3.x	L1				
	8.2.4.146.62		1.1.43.3	1.1.43.3		5.6.x	L1				
						6.4.x	L1				
				6.5.x		L1					
	10.0.727.24		1.1.21.4	1.1.21.4		6.5.x	L1				
Qlogic	QxE25xx		934.5.6.0-1vmw	3.18		5.09.00	5.6.x	L1			

Vendor	Operating System	OS Version	HBA Vendor	Model	Driver	Boot Code	Firmware	Array OS	BfS	Notes
VMware (cont)	ESX/ESXi	5.1	Qlogic	QxE25xx				6.4.x	L1	
						3.20	5.09.00	5.6.x	L1	
								6.4.x	L1	
					934.5.20.0-1vmw	3.18	5.09.00	6.5.x	L1	
					3.20	5.09.00	6.5.x	L1		
				QxE26xx	934.5.6.0-1vmw	3.17	6.04.00	5.5.x	L1	
							6.3.x	L1		
				934.5.20.0-1vmw	3.19	6.06.03	6.4.x	L1		
			934.5.20.0-1vmw	3.24	7.00.01	6.5.x	L1			
		5.5	Emulex	LPx12xx	10.0.100.0-1vmw	6.03x1	2.01a10	5.6.x	L1	
								6.5.x	L1	
				LPx1600x	10.0.100.0-1vmw	1.1.21.4	1.1.21.4	6.4.x	L1	
					10.0.727.44-1OEM.550.0.0.1331820	1.1.21.4	1.1.21.4	6.5.x	L1	
				Qlogic	QxE25xx	1.0.12.0-1vmw	3.18	5.09.00	6.5.x	L1
	QxE26xx			1.1.7.0-1OEM.550.0.0.1198610	3.24	7.00.01	6.5.x	L1		

Fibre Channel over Ethernet Host Bus and Converged Network Adapters

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	SC Array OS	BfS	Notes
Microsoft	Windows Server	2008 R2	Broadcom	BRCM578xx	7.0.19.0	7.2.0	7.2.6	6.1.x	L3	
			Brocade	BR1741M-k	3.0.1.0	NA	NA	5.5.x	L1	
								6.0.x	L1	
								6.1.x	L1	
					6.2.x	L1				
					3.2.0.0	NA	NA	5.5.x	L1	
					6.3.x	L1				
			3.2.1.0	NA	NA	5.6.x	L1			
			6.4.x	L1						
			Cisco	VIC-1280	2.1.0.25	2.1(3a)	2.1(3)	6.4.x	L1	Download Kit 2.1(3a)
					2.1.0.27	2.2(1c)	2.2(1c)	6.5.x	L1	Download Kit 2.2(1c)
			Qlogic	QxE81xx	9.1.8.27	2.14	5.03.02	5.4.x	L3	
					9.1.9.15	2.14	5.03.02	5.5.x	L3	
					9.1.10.18	3.18	5.09.00	5.6.x	L3	
								6.3.x	L3	
		6.4.x						L3		
		QxE82xx			9.1.9.36	3.07	4.09.41	5.5.x	L1	
					9.1.9.37	3.07	4.09.46	6.0.x	L1	
								5.5.x	L1	
								6.1.x	L1	
					6.2.x	L1				
			9.1.10.15	3.11	4.10.8	6.3.x	L1			
			9.1.10.18	2.14	4.12.10	5.5.x	L1			
3.12	4.14.14	5.6.x		L1						
6.4.x	L1									
9.1.11.12	3.23	4.16.17	6.5.x	L1						
2012	Broadcom	BRCM578xx	7.8.12.0	7.85	7.8.57.0	6.4.x	L1			
	Qlogic	QxE82xx	9.1.11.12	3.23	4.16.17	6.4.x	L1			
	2012 R2	Broadcom	BRCM578xx	7.8.12.0	7.8.5	7.8.57.0	6.5.x	L3		
Cisco		VIC-1280	2.3.0.20	2.1(3a)	2.1(3a)	6.4.x	L1			
			2.4.0.8	2.2(1c)	2.2(1c)	6.5.x	L1			
Qlogic	QxE82xx	9.1.11.12	3.23	4.16.17	6.5.x	L1				
RedHat	Enterprise Linux	6.3	Cisco	VIC-1280	1.5.0.1	2.1(3)	2.1(3)	6.4.x	L1	
					2.2(1c)	2.2(1c)	6.5.x	L1		
VMware	ESX/ESXi	4.0	Qlogic	QxE81xx	831.k1.23vmw	2.13	5.01.03	5.5.x	L1	

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	SC Array OS	BfS	Notes
VMware (cont)	ESX/ESXi	4.0	Qlogic	QxE81xx	831.k1.25vmw	2.13	5.02.03	5.4.x	L1	
					831.k1.28.1-1vmw	2.14	5.02.01	5.4.x	L1	
					841.k1.28.1-1vmw	2.13	5.01.03	5.5.x	L1	
		4.1	Emulex	OCx1010x	8.2.1.104.33	4.02a12	4.0.360.3	5.5.x	L1	
					8.2.1.126.50	4.02a12	4.0.360.3	6.2.x	L1	
					8.2.1.141.55	NA	4.2.324.30	5.5.x	L1	
				OCx1110x	8.2.1.141.55	NA	4.4.249.3	6.3.x	L1	
						NA	4.6.142.10	5.6.x	L1	
					8.2.1.151.65	4.6.142.10	4.6.142.10	6.5.x	L1	
			Qlogic	QxE81xx	841.k1.28.1-1vmw	2.13	5.01.03	5.5.x	L1	
								6.0.x	L1	
								6.1.x	L1	
							6.2.x	L1		
				841.k1.50.1-1vmw	3.13	5.07.00	5.5.x	L1		
							6.3.x	L1		
					3.18	5.09.00	5.6.x	L3		
					841.k1.61.1-1vmw	3.23	7.00.02	6.5.x	L1	
				QxE82xx	831.k1.28.1-1vmw	3.07	4.09.01	6.1.x	L1	
		841.k1.28.1-1vmw	3.07		4.09.01	5.5.x	L1			
						6.0.x	L1			
						6.2.x	L1			
		841.k1.50.1-1vmw	3.11		4.10.08	6.3.x	L1			
			3.14		4.12.10	5.5.x	L1			
			3.12		4.14.14	5.6.x	L3			
					3.23	4.16.17	6.4.x	L1		
		5.0	Brocade	BR-M1741-k	3.0.1.0	3.0.1.0	3.0.1.0	5.5.x	L1	
								6.0.x	L1	
								6.1.x	L1	
								6.2.x	L1	
				3.2.0.0	3.2.0.0	3.2.0.0	6.3.x	L1		
			Emulex	OCe1010x	8.2.2.1-18vmw	4.02a12	4.0.360.3	5.5.x	L1	

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	SC Array OS	BfS	Notes			
VMware (cont)	ESX/ESXi	5.0	Emulex	OCe1010x				6.0.x	L1				
								6.1.x	L1				
								6.2.x	L1				
					8.2.4.141.55	4.2.324.30	5.2.324.30	5.5.x	L1				
								6.3.x	L1				
			Qlogic	QxE81xx	831.k1.23vmw	2.13	5.01.03	5.3.x	L1				
								5.4.x	L1				
								5.5.x	L1				
					901.k1.1-14vmw	3.00	5.04.01	5.5.x	L1				
								6.0.x	L1				
				QxE82xx	934.5.6.0-1vmw	3.13	5.07.00	6.3.x	L1				
					841.k1.28.1-1vmw	3.07	4.09.01	5.5.x	L1				
								6.0.x	L1				
					9.1.9.36	3.07	4.09.41	5.5.x	L1				
					911.k1.1-16vmw	3.07	4.09.00	5.5.x	L1				
		5.1	Brocade	BR-1741-k	3.2.1.0	3.2.1.0	3.2.1.0	3.2.1.0	5.6.x	L1			
									6.4.x	L1			
			Emulex	OCx1110x	8.2.4.146.62	4.6.142.10	4.6.142.10	4.6.142.10	5.6.x	L1			
									6.4.x	L1			
			Qlogic	QxE81xx	934.5.6.0-1vmw	3.13	5.07.00	5.07.00	5.5.x	L1			
									3.18	5.09.00	5.6.x	L1	
											6.4.x	L1	
		934.5.20.0-1vmw		3.23	7.00.02	6.5.x	L1						
		QxE82xx		934.5.20.0-1vmw	3.12	4.14.14	4.14.14	4.16.17	5.6.x	L3			
			3.23						4.16.17	6.4.x	L1		
		5.5	Broadcom	BRCM578xx	1.78.11v55.2	7.8.5	7.8.55	7.8.55	6.4.x	L1			
									6.5.x	L1			

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	SC Array OS	BfS	Notes
VMware (cont)	ESX/ESXi	5.5	Brocade	BR1741M-k	3.2.1.1	3.2.1.0	3.2.1.1	5.6.x	L1	
			Cisco	VIC-1280	1.5.0.45	2.1(3)	2.1(3)	6.4.x	L1	
						2.2(1c)	2.2(1c)	6.5.x	L1	
			Qlogic	QxE82xx	1.0.12.0-1vmw	3.12	4.01.14	5.6.x	L1	
						1.1.7.0-1OEM.550.0.0.1198610	3.23	4.16.17	6.4.x	L1
					6.5.x	L1				

iSCSI Converged Network and Host Bus Adapters

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series	
								Array OS	iBFT	DCB	Array OS	iBFT
Citrix	XenServer	5.6	Qlogic	QLx406x	Built-in	NA	NA	-	-	-	5.5.x	L3
Microsoft	Windows Server	2003	Broadcom	BRCM570x	5.2.11.0	NA	NA	4.0.x	L1	NA	-	-
				BRCM577xx	5.2.11.0	NA	NA	4.0.x	L1	NA	-	-
			Qlogic	QLx405x	2.1.4.19	NA	3.00.01.24	-	-	-	4.x.y	L3
						NA	3.00.01.53	-	-	-	4.x.y	L3
						NA	3.00.01.40	-	-	-	4.x.y	L3
						NA	3.00.01.40	-	-	-	5.1.x	L3
					NA	3.00.01.40	-	-	-	5.2.x	L3	
					2.1.4.26	NA	3.00.01.53	3.2.8	L1	NA	4.x.y	L3
					2.1.4.26	NA	3.00.01.53	3.2.8	L1	NA	5.2.x	L3
			Qlogic	QLx406x	2.1.5.15	NA	3.00.01.53	-	-	-	5.5.x	L1
						NA	3.00.01.24	-	-	-	6.0.x	L1
					2.1.4.26	NA	3.00.01.24	-	-	-	6.2.x	L1
						NA	3.00.01.24	-	-	-	6.3.x	L1
		NA				3.00.01.53	3.2.8	L1	NA	5.5.x	L1	
		NA				3.00.01.53	3.2.8	L1	NA	5.6.x	L3	
		2.09	3.00.01.75	-	-	-	6.0.x	L1				
		2008	Broadcom	BRCM570x	5.2.11.0	NA	NA	4.0.x	L1	NA	-	-
				BRCM577xx	5.2.11.0	NA	NA	4.0.x	L1	NA	-	-
			Qlogic	QLx405x	2.1.4.19	NA	2.00.00.07	-	-	-	4.x.y	L3
						NA	3.00.01.53	3.2.8	L1	NA	4.x.y	L3
					NA	3.00.01.53	3.2.8	L1	NA	5.0.x	L3	
					NA	3.00.01.53	3.2.8	L1	NA	5.1.x	L3	
					NA	3.00.01.53	3.2.8	L1	NA	5.2.x	L3	
Qlogic	QLx406x		2.1.4.19	NA	3.00.01.24	-	-	-	4.x.y	L3		
				NA	3.00.01.53	-	-	-	4.x.y	L3		
				NA	3.00.01.53	-	-	-	4.x.y	L3		

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series									
								Array OS	iBFT	DCB	Array OS	iBFT								
Microsoft (cont)	Windows Server	2008	Qlogic	QLx406x								5.5.x	L3							
														5.1.x	L3					
															5.2.x	L3				
															5.3.x	L3				
															5.4.x	L3				
					2.1.4.26	NA	3.00.01.53	-	-	-	4.x.y	L1								
															5.2.x	L1				
															5.3.x	L1				
															5.4.x	L1				
															5.5.x	L1				
															6.0.x	L1				
															6.1.x	L1				
												6.2.x	L1							
												6.3.x	L1							
							2.09	3.00.01.75	-	-	-	6.4.x	L3							
							2.1.5.15	NA	3.00.01.53	-	-	-	5.5.x	L1						
												6.0.x	L1							
							2.1.5.25	3.0.1.53	3.00.01.53	-	-	-	5.5.x	L3						
				2008 R2	Broadcom	BRCM570x	5.2.14.0	NA	NA	4.0.x	L1	NA	-	-						
															6.2.7.0	NA	NA	-	-	
							BRCM577xx	5.2.11.0	NA	NA	4.0.x	L1	NA	-	-					
									7.2.5.0	NA	NA	6.0.x	L1	NA	-	-				
							BRCM578xx	7.2.1.0	7.2.6	7.02.06					6.1.x	L3				
						7.2.12.0		NA	NA	6.0.x	L1	L3	-	-						
								7.0.x	L1	L1										
			Qlogic		QLx405x	2.1.4.26	NA	3.00.01.53	3.2.8	L1	NA	5.3.x	L3							
																			5.4.x	L3
																			5.5.x	L3
																			6.0.x	L3
																			6.1.x	L3
																		6.2.x	L3	
												6.3.x	L3							
							2.1.5.15	3.0.1.53	3.00.01.53	-	-	-	5.4.x	L3						
												5.5.x	L3							
												6.0	L3							
						QLx406x	2.1.4.26	2.09	3.00.01.75	-	-	-	6.5.x	L1						
						QxE82xx	2.1.5.27	2.16	4.14.14	-	-	-	6.2.x	L1						
										6.3.x	L1									

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series		
								Array OS	iBFT	DCB	Array OS	iBFT	
Microsoft (cont)	Windows Server	2008 R2	Qlogic	QxE82xx	2.1.5.37	2.16	4.14.14	-	-	-	5.6.x	L1	
									6.4.x	L1			
						3.12	4.14.14	-	-	-	6.4.x	L1	
		2012	Broadcom	BRCM570x	In-Box	NA	NA	5.2.x	L1	NA	-	-	
								6.0.x	L1	NA	-	-	
				BRCM577xx	In-Box	NA	NA	5.2.x	L1	NA	-	-	
								6.0.x	L1	NA	-	-	
				BRCM578xx	7.4.1.0	NA	NA	6.0.x	L1	L1	-	-	
								4.2.281.0			7.0.x	L1	L3
			Qlogic	QLx406x	2.1.4.26	2.09	3.00.01.53	-	-	-	5.5.x	L3	
											6.2.x	L3	
											6.3.x	L3	
				2.1.4.27	2.09	3.00.01.75	-	-	-	5.6.x	L3		
										6.4.x	L3		
										6.5.x	L1		
2.1.5.37	NA			6.0.x	L1	L3	-	-					
				7.0.x	L1	L3	-	-					
2012 R2	Cisco	VIC-1280	2.4.0.8	2.2(1c)	2.2(1c)	-	-	-	6.5.x	L1			
	Qlogic	QxE82xx	2.1.5.38	2.19	4.16.17	-	-	-	6.4.x	L1			
Novell	SUSE Linux Enterprise Server	10	Qlogic	QLx405x	5.01.0.04	NA	2.00.00.45	-	-	-	4.x.y	L3	
							3.00.01.53	-	-	-	4.x.y	L3	
										5.0.x	L3		
						5.01.02-d4	NA	2.0.0.45	-	-	-	4.x.y	L3
								3.00.01.53	-	-	-	4.x.y	L3
										5.2.x	L3		
										5.3.x	L3		
										5.4.x	L3		
										5.5.x	L3		
										6.0.x	L3		
						5.01.03.03.10.03-d4	NA	3.00.01.53	-	-	-	5.5.x	L3
												6.0.x	L3
												5.5.x	L3
												6.0.x	L3
QLx406x	5.01.03.03.10.03-d4	NA	3.00.01.53	-	-	-	5.5.x	L3					
							6.0.x	L3					

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series	
								Array OS	iBFT	DCB	Array OS	iBFT
Novell (cont)	SUSE Linux Enterprise Server	10			5.03.01.11.10.4-d0	NA	3.00.01.75	-	-	-	6.1.x	L3
											6.2.x	L3
											6.3.x	L3
											5.6.x	L3
											6.4.x	L3
											6.5.x	L3
		11	Broadcom	BRCM570x	2.0.4	NA	NA	5.2.x	L3	-	-	-
					2.1.11	NA	NA	6.0.x	L3	-	-	-
				BRCM577xx	2.1.11	NA	NA	6.0.x	L3	N	-	-
					2.7.6.2	NA	NA	7.0.x	L1	N	-	-
			Qlogic	QLx406x	5.2.15.5.3.0-k0		3.00.01.53	-	-	-	5.5.x	L3
											6.2.x	L3
3.00.01.75	5.6.x	L3										
	6.4.x	L3										
5.03.00.06.11.3-k0	NA	3.00.01.75	-	-	-	6.5.x	L3					
Oracle	Solaris	9-SPARC	Qlogic	QLx401x	5.00	NA	3.00.00.04	-	-	-	4.x.y	L3
				QLx405x	2.1.4.26	NA	3.00.01.53	3.2.8	L1	NA	-	-
				QLx406x	2.1.4.26	NA	3.00.01.53	3.2.8	L1	NA	-	-
RedHat	Enterprise Linux	5.1	Qlogic	QLx406x	5.01.01.04	NA	3.00.01.24	-	-	-	4.x.y	L3
		5.2	Qlogic	QLx406x	5.01.03.04	NA	3.00.01.24	-	-	-	4.x.y	L3
					5.01.00-k8	NA	3.00.01.24	-	-	-	4.x.y	L3
										5.0.x	L3	
		5.3	Qlogic	QLx406x	5.01.03.04	NA	3.00.01.53	-	-	-	4.x.y	L3
		5.4	Qlogic	QLx406x	5.01.03.04	NA	3.00.01.24	-	-	-	5.1.x	L3
							3.00.01.53	-	-	-	5.2.x	L3
					5.01.00.01.05.04-k9	NA	3.00.01.53	-	-	-	4.x.y	L3
											5.2.x	L3
											5.3.x	L3
		5.4.x	L3									
		8.03.00.10.05.04-k	NA	3.00.03.26	-	-	-	5.2.x	L3			
5.5	Qlogic	QLx406x	5.01.00.01.05.04-k9	NA	3.00.01.53	-	-	-	5.4.x	L3		
5.7	Broadcom	BRCM570x	2.6.23								5.5.x	L3
											6.0.x	L3

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series	
								Array OS	iBFT	DCB	Array OS	iBFT
RedHat (cont)	Enterprise Linux	5.7	Qlogic	QLx406x	5.01.00.01.05.04-k9	NA	3.00.01.53	-	-	-	5.5.x	L3
					5.02.15.01.05.07-k0	NA	3.00.01.53	-	-	-	5.5.x	L3
					5.02.15.01.05.07-k0	NA	3.00.01.53	-	-	-	5.5.x	L3
		5.8	Broadcom	BRCM570x	2.6.23			4.3.6	L3	-	-	-
					2.7.4.1f			6.0.x	L3	-	-	-
					BRMC577xx	2.7.0.3			6.0.x	L3	L3	-
			Qlogic	QLx406x	5.02.15.01.05.07-k0	NA	3.00.01.53	-	-	-	5.5.x	L3
											6.0.x	L3
		6.1.x									L3	
		6.2.x									L3	
		5.9	Broadcom	BRCM5709	2.7.2.2			7.0.x	L1	-	-	-
					BRMC578xx	2.7.2.2			7.0.x	L1	L3	-
			Qlogic	QLx406x	5.02.04.05.05.09-d0	NA	3.0.1.75	-	-	-	5.6.x	L3
		5.10	Qlogic	QLx406x	5.02.04.06.05.10-d0	NA	3.0.1.75	-	-	-	6.4.x	L3
											6.5.x	L3
		6.1	Emulex	OCE10102-i	4.0.323.0	NA	NA	6.0.x	L3	L1	-	-
		6.2	Broadcom	BRCM570x	2.1.11	NA	NA	6.0.x	L3	-	-	-
					BRMC577xx	2.1.11	NA	NA	6.0.x	L3	-	-
			Qlogic	QLx406x	5.2.15.5.5.6-c0	NA	3.0.1.53	-	-	-	5.5.x	L3
		6.3	Qlogic	QxE82xx	5.03.01.11	NA	NA	7.0.x	L1	L3	-	-
QLx406x	5.2.0.0.6.3-k4				NA	3.0.1.53	-	-	-	5.5.x	L3	
QLx406x	5.2.0.0.6.3-k4				NA	3.0.1.53	-	-	-	6.3.x	L3	
6.4	Broadcom	BRMC577xx	2.7.2.2	NA	NA	7.0.x	L1	L3	-	-		
	Qlogic	QLx406x	5.02.0.00.06.03-k4	NA	3.0.1.75	-	-	-	5.6.x	L3		
6.5	Qlogic	QLx406x	5.02.04.06.05.10-d0	NA	3.0.1.75	-	-	-	6.4.x	L3		
									6.5.x	L3		
VMware	ESX/ESXi	4.0	Broadcom	BRCM570x	2.70.1k.v50.2	NA	NA	4.3.x	L3	-	-	-
								5.2.x	L3	-		
								6.0.x	L3	-		
								4.3.x	L3	-		
5.2.x	L3	NA	-	-	-	-	-	-	-	-		
											5.2.x	L3

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series	
								Array OS	iBFT	DCB	Array OS	iBFT
VMware (cont)	ESX/ESXi	4.0						6.0.x	L3	NA		
			Emulex	OCE10102-i	2.102.525.9	NA	NA	5.1.x	L3	L3	-	-
				OCE11102-i	2.102.525.9	NA	NA	5.1.x	L3	L1	-	-
			Qlogic Qlogic	QLx406x	5.01.00-k8	NA	3.00.01.24	-	-	-	4.x.y	L3
				QLx406x							5.2.x	L3
											5.3.x	L3
											5.4.x	L3
											5.4.x	L3
			4.1	Broadcom	BRCM570x	2.70.1k.v50.2	NA	NA	4.3.x	L3	NA	-
		5.2.x							L3	NA		
		6.0.x							L3	NA		
		BRMC577xx		1.8.11t5rc2.8.1-3vmw	NA	NA	4.3.x	L3	NA	-	-	
							5.2.x	L3	NA			
							6.0.x	L3	NA			
		Emulex		OCE10102-i	2.102.525.9	NA	NA	5.1.x	L3	N	-	-
				OCE11102-i	2.102.525.9	NA	NA	5.1.x	L3	L1	-	-
		Qlogic		QLx406x	5.01.03.1-9vmw	NA	3.00.01.53	-	-	-	5.3.x	L1
											5.4.x	L1
											5.5.x	L1
											6.0.x	L1
											6.2.x	L1
											6.1.x	L1
				6.2.x	L1							
					524.01.45-2vmw	NA	3.00.01.53	-	-	-	5.5.x	L1
					534.4.7.0-1vmw	2.09	3.00.01.53	-	-	-	6.3.x	L1
							3.00.01.75	-	-	-	6.5.x	L3
				QxE82xx	524-01-34vmw	2.12	4.09.46.911 2	-	-	-	5.5.x	L1
									6.1.x	L1		
		524.01.45-2vmw	2.12	4.09.46.911 2	-	-	-	6.1.x	L1			
								6.2.x	L1			
				4.10.8	-	-	-	6.2.x	L1			
			2.19	4.16.17	-	-	-	6.4.X	L1			
		534.4.7.0-1vmw	2.12	4.10.8	-	-	-	6.3.x	L1			
			2.14	4.12.10	-	-	-	5.5.X	L1			
								5.6.X	L1			
			2.16	4.14.14	-	-	-	6.4.X	L1			

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series			
								Array OS	iBFT	DCB	Array OS	iBFT		
VMware (cont)	ESX/ESXi	4.1										6.5.x	L1	
						2.19	4.16.17	-	-	-	6.5.x	L1		
		5.0	Broadcom	BRCM570x	1.9.1d.v50.1-3vmw	NA	NA	4.3.6	L3	NA	-	-		
								5.1.2	L3	NA	-	-		
								5.2.x	L3	NA	-	-		
				Broadcom	BRCM577xx	2.70.1k.v50.2	NA	NA	5.2.x	L3	NA	-	-	
									6.0.x	L3	NA	-	-	
									5.2.x	L3	NA	-	-	
			Broadcom	BRCM578xx	2.70.1k.v50.2	NA	NA	5.2.x	L3	L3	-	-		
								6.0.x	L3	L3	-	-		
								5.2.x	L3	L3	-	-		
			Emulex	OCe1010x	2.102.525.9	NA	NA	5.2.x	L3	L3	-	-		
								5.2.x	L3	L2^	-	-		
								8.2.1.141.55	4.4.249.3	4.4.249.3	-	-	-	6.3.x
			Qlogic	QLx406x	5.01.03.2-3vmw	2.09	3.00.01.53	-	-	-	5.5.X	L1		
								-	-	-	6.0.X	L1		
								-	-	-	6.1.X	L1		
								-	-	-	6.2.X	L1		
								-	-	-	5.5.X	L3		
				QxE82xx	624-01-36vmw	2.12	4.09.46.9112	-	-	-	5.5.x	L1		
		-						-	-	6.1.x	L1			
		-						-	-	6.2.x	L1			
		624-01-43						2.12	4.10.8	-	-	-	6.2.x	L1
		634.5.7.0-1vmw						2.12	4.10.8	-	-	-	6.3.x	L1
		5.1	Broadcom	BRCM578xx	2.72.10.v50.2	NA	NA	5.2.x	L1	L3	-	-		
								6.0.x	L1	L3	-	-		
								5.2.X	L3	L1	-	-		
								6.0.x	L3	L1	-	-		
Qlogic	QxE82xx		634.5.7.0-1vmw	2.12	1.10.47	-	-	-	6.3.x	L1				
						2.14	1.11.29	-	-	-	5.5.x	L1		
						634.5.18.0-1vmw	2.16	4.14.14	-	-	-	5.6.x	L1	
						634.5.26.0-1vmw	2.16	4.14.14	-	-	-	6.4.x	L1	
934.5.20.0-1vmw	3.12	4.14.14	2.19	4.16.17	-	-	-	6.5.x	L1					
			2.19	4.16.17	-	-	-	6.5.x	L1					

Vendor	Operating System	OS Version	CNA Vendor	Model	Driver	Boot Code	Firmware	PS Series			SC Series	
								Array OS	iBFT	DCB	Array OS	iBFT
VMware (cont)	ESX/ESXi	5.1				3.23	4.16.17	-	-	-	-	-
					934.5.6.0-vmw	3.18	5.09.00	-	-	-	-	-
		5.5	Broadcom	BRCM577xx	1.78.11v55.4	NA	NA	7.0.x	L3	NA	-	-
			Cisco	VIC-1280	2.1.2.42	2.2(1c)	2.2(1c)	-	-	-	6.5.x	L1
			Qlogic	QxE82xx	634.55.26.0-1vmw	2.16	4.14.14	-	-	-	6.4.x	L1
			Qlogic	QxE82xx		2.19	4.16.17	-	-	-	6.4.x	L1
				-		-	-	6.5.x	L1			

iSCSI Network Interface Cards for Boot from SAN

Vendor	Operating System	OS Version	NIC Vendor	Model	Features		
					PS Series		SC Series
					iBFT	DCB	iBFT
Citrix^	XenServer	5.x	Broadcom	BRCM570x	L3	NA	L3
		6.0	Broadcom	BRCM570x	L3	NA	L3
		6.2	Broadcom	BRCM570x	L3	NA	L3
HP	HP-UX 11i	3.0	HP	All	L3	NA	L3
IBM	AIX	6.1	IBM	All	L3	NA	L3
		7.1	IBM	All	L3	NA	L3
Microsoft	Windows Server	2003/2003R2	Broadcom	BRCM570x	L1	NA	L3
				BRCM577xx	L1	NA	L3
			Intel	Pro1000	L1	NA	L3
		2008	Broadcom	BRCM570x	L1	NA	L3
				BRCM577xx	L1	NA	L3
			Intel	Pro1000	L1	NA	L3
				X5xx Family	L1	NA	L3
		2008 R2	Broadcom	BRCM570x	L1	NA	L3
				BRCM572x	L1	NA	L3
				BRCM577xx	L1	NA	L3
				BRCM578xx	L3	L1	L1
			Intel	Pro1000	L1	NA	L3
				X5xx Family	L1	L3	L1
		Qlogic	QxE82xx	L3	L3	L3	
		2012	Broadcom	BRCM570x	L1	NA	L3
				BRCM577xx	L1	NA	L3
				BRCM578xx	L1	L3	L3
			Intel	X5xx Family	L1	L3	L3
				i350	L1	NA	L3
			Qlogic	QxE82xx	L3	L3	L3
		2012 R2	Broadcom	BRCM578xx	L3	NA	L3
			Intel	X5xx Family	L1	L3	L3
				i350	L1	NA	L3
			Qlogic	QxE82xx	L3	L3	L3
Novell	SUSE Linux Enterprise Server		10 SP4	Broadcom	BRCM570x	L3	L3
		11 SP2	Broadcom	BRCM570x	L3	NA	L3
				BRCM5719	L3	NA	L3
			Broadcom	BRCM5720	L3	NA	L3
				BRCM577xx	L3	NA	L3
		11 SP2	Intel	X5xx Family	L3	L3	L3
		11 SP3	Broadcom	BRCM570x	L1	NA	L3
Oracle	Linux (UEK)	6.4	Broadcom	BRCM570x	L1	L3	L3
			Broadcom	BRCM578xx	L1	L3	L3
RedHat	Enterprise Linux	5.7	Broadcom	BRCM570x	L3	NA	L3

Vendor	Operating System	OS Version	NIC Vendor	Model	Features		
					PS Series		SC Series
					iBFT	DCB	iBFT
RedHat (cont)	Enterprise Linux	5.8	Broadcom	BRCM570x	L3	NA	L3
				BRMC577xx	L3	NA	L3
		5.9	Broadcom	BRCM570x	L1	NA	L3
				BRMC578xx	L1	L3	L3
			Intel	i350	L1	NA	L3
		5.10	Broadcom	BRCM570x	L3	NA	L3
			Qlogic	QLx40xx	L3	NA	L3
		6.1	Broadcom	BRCM570x	L3	NA	L3
		6.2	Broadcom	BRCM570x	L3	NA	L3
			Intel	X5xx Family	L3	L3	L3
		6.3	Broadcom	BRCM5719	L3	NA	L3
				BRCM5720	L3	NA	L3
				BRMC578xx	L3	L3	L3
			Intel	X5xx Family	L3	L3	L3
		6.4	Broadcom	BRMC578xx	L1	L1	L3
			Brocade	1020	L3	L3	L3
6.5	Broadcom	BRCM570x	L3	NA	L3		
	Intel	X5xx Family	L1	L3	L3		
VMware	ESX/ESXi	4.0	Broadcom	BRCM570x	L1	NA	L3
				BRMC577xx	L1	NA	L3
		4.1	Broadcom	BRCM570x	L1	NA	L3
				BRMC577xx	L1	NA	L3
					L1	NA	L3
			Intel	Pro1000	L1	NA	L3
				10Gb AF DA	L3	NA	L1
					L1	NA	L3
		5.0	Broadcom	BRCM570x	L1	NA	L3
				BRCM5719	L1	NA	L3
				BRCM5720	L1	NA	L3
				BRMC577xx	L1	NA	L3
				BRMC578xx	L1	NA	L3
			Brocade	1020	L1	NA	L3
			Intel	Pro1000	L1	NA	L3
				i350	L3	NA	L3
		X5xx Family		L1	NA	L3	
		5.1	Broadcom	BRCM5719	L3	NA	L3
					L1	NA	L3
			BRCM5720	L3	NA	L3	
L1	NA			L3			

Vendor	Operating System	OS Version	NIC Vendor	Model	Features			
					PS Series		SC Series	
					iBFT	DCB	iBFT	
VMware	ESX/ESXi	5.1		BRCM578xx	L3	NA	L3	
						L1	NA	L3
			Intel	X5xx Family	L1	NA	L3	
			Qlogic	QxE82xx	L3	L3	L3	
		5.5	Broadcom	BRCM5719	L3	NA	L3	
				BRCM5720	L3	NA	L3	
				BRCM577xx	L3	NA	L1	
				BRCM578xx	L3	NA	L3	
			Brocade	M1741-k	L3	NA	L1	
			Qlogic	QxE82xx	L3	L3	L1	

^ PS Series was certified by Citrix for all Integrated Storage Link solutions. Vendor claims support, though Dell Storage has not validated vendor claim. Support may require vendor involvement.

Software iSCSI Initiators

Vendor	iSCSI Initiator/ Operating System	Initiator Version	Valid Array OS Versions		Features		
			PS Series OS Version	SC Series OS Version	EqualLogic		Compellent
					DCB	iSCSI Boot	iSCSI Boot
Atto	Apple OSX 10	3.20	-	4.2.x	L3	L3	L3
		3.22	3.2.8	-	L3	L3	L3
Citrix	XenServer 4.x	All	3.2.8 ¹	-	L3	L3	L3
	XenServer 5.x	All	3.2.8 ¹	-	L3	L3	L3
		5.6 FP1	-	5.5.2	L3	L3	L3
	XenServer 6.x	6.0.2	6.0.x	-	L3	L3	L3
		6.2.x	6.0.x, 7.0.x	6.5.x	L3	L3	L3
globalSAN	Apple OSX 10	3.3	3.2.8	-	L3	L3	L3
Hewlett-Packard	HP-UX 11i	03E	3.2.8	-	L3	L3	L3
		B.11.31.01	-	4.x	L3	L3	L3
		B.11.31.03	-	5.4.2, 5.5.2, 5.5.3, 5.5.4, 6.0.1, 6.0.2, 5.5.10, 6.2.1, 6.3.1	L3	L3	L3
		B11.31.03c	-	5.5.20, 6.3.10, 6.4.x, 6.5.x	L3	L3	L3
IBM	AIX 5.2	RTS	3.2.8	-	L3	L3	L3
	AIX 5.3	5.3.0.0	-	6.2.x	L3	L3	L3
		5.3.0.50	-	4.1.x, 4.2.x, 4.5.x, 5.0.x, 5.1.x, 5.2.x, 5.3.x, 5.4.x, 5.5.x, 6.2.x	L3	L3	L3
	AIX 6.1	6.1.4.0	-	5.4.x, 5.5.x, 6.0.x, 6.1.x, 6.3.x, 6.4.x, 6.5.x	L3	L3	L3
	AIX 7.1	7.1.0.0	-	5.5.x, 5.6.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	L3	L3	L3
Microsoft	Windows 7	RTM	3.2.8+, 4.x, 5.x, 6.0.x	-	L3	L1	L3
	Windows Vista	RTM	3.2.8+, 4.x, 5.x, 6.0.x	-	L3	L1	L3
	Windows 2003	2.08	3.2.8+, 4.x, 5.x, 6.0.x	-	L3	L1	L3
	Windows 2003 R2	5.2.3790.1653	3.2.8+, 4.x, 5.x, 6.0.x	4.1.x, 4.2.x	L3	L1	L3
		5.2.3790.3392	3.2.8+, 4.x, 5.x, 6.0.x	4.1.x, 4.2.x, 4.5.x	L3	L3	L3

Vendor	iSCSI Initiator/ Operating System	Initiator Version	Valid Array OS Versions		Features		
			PS Series OS Version	SC Series OS Version	EqualLogic		Compellent
					DCB	iSCSI Boot	iSCSI Boot
Microsoft (cont)	Windows 2003 R2 (cont)	5.2.3790.3825	3.2.8+, 4.x, 5.x, 6.0.x	4.2.x, 4.5.x, 5.0.x, 5.1.x 5.2.x, 5.3.x, 5.4.x, 5.5.x, 6.0.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	L3	L3	L3
	Windows 2008	6.1.6001.18000	3.2.8+, 4.x, 5.x, 6.0.x	4.1.x, 4.2.x, 4.4.x, 5.0.x, 5.1.x	L3	L1	L3
		6.1.6001.18005	3.2.8+, 4.x, 5.x, 6.0.x	4.5.x, 5.2.x, 5.3.x, 5.4.x, 5.5.x	L3	L1	L3
		6.1.6002.18005	3.2.8+, 4.x, 5.x, 6.0.x	5.5.x, 6.0.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x	L3	L1	L3
	Windows 2008 R2	6.1.7600.16385	3.2.8+, 4.x, 5.x, 6.0.x	5.3.x, 5.4.x, 5.5.x, 6.0.x	L1	L1	L3
		6.1.7601.17514	3.2.8+, 4.x, 5.x, 6.0.x, 7.0.x	5.5.x, 6.0.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	L1	L1	L3
	Windows 2012	6.2.8370.0	5.2.x ² , 6.0.x, 7.0.x	5.5.x, 6.3.x, 6.4.x, 6.5.x	L1	L1	L1
	Windows 2012 R2	6.3.9600.16384	6.0.x, 7.0.x	6.4.x, 6.5.x	L1	L1	L3
Novell	Netware 6.5	1.06.03	-	4.1.x, 4.2.x	L3	L3	L3
	Netware 6.5	1.06.05	3.2.8	-	L3	L3	L3
	Suse Linux Enterprise Server 10	2.0.707-0.19	-	4.1.x,	L3	L3	L3
		2.0.707	-	4.1.x, 4.2.x, 4.5.x, 5.0.x, 5.1.x, 5.2.x, 5.3.x, 5.4.x, 5.5.x, 6.0.x	L3	L3	L3
		2.0-868	-	5.5.x, 6.0.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	L3	L3	L3
		2.0-870	3.2.8+, 4.x, 5.x	-	L3	L3	L3
	Suse Linux Enterprise Server 11	2.0-870	3.2.8+, 4.x, 5.x	-	L3	L3	L3
		2.0-872	-	5.5.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	L3	L3	L3
Oracle/Sun	Solaris 10 (SPARC)	10U8 In-Box	3.2.8	-	L3	L3	L3

Vendor	iSCSI Initiator/ Operating System	Initiator Version	Valid Array OS Versions		Features		
			PS Series OS Version	SC Series OS Version	EqualLogic		Compellent
					DCB	iSCSI Boot	iSCSI Boot
Oracle/Sun (cont)	Solaris 10 (SPARC) (cont)	20070417-0	-	4.1.x, 4.2.x, 4.5.x	L3	L3	L3
		20071207-0	-	4.5.x, 5.0.x, 5.1.x	L3	L3	L3
		20080715-0	-	4.2.x	L3	L3	L3
		20090828-0	-	4.5.x, 5.2.x, 5.3.x, 5.4.x, 5.5.x	L3	L3	L3
		20110524-0	-	5.5.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	L3	L3	L3
	Solaris 10(x86)	20120627-0	-	6.3.x, 6.4.x, 6.5.x	L3	L3	L3
	Solaris 11 (SPARC)	20091111-0	-	5.5.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	L3	L3	L3
	Enterprise Linux 5	5.2	3.2.8+, 4.x	-	L3	L3	L3
		5.5	4.x, 5.x	-	L3	L3	L3
	Enterprise Linux 6	6	5.0.2+	-	L3	L3	L3
	Linux Server UEK 6.3	6.2.0-872.41.e16	-	5.5.x, 6.3.x	L3	L3	L3
	Linux Server UEK 6.4	6.2.0-873.-2.0.2.e16	-	6.4.x	L3	L3	L3
	Linux Server UEK 6.5	6.2.0-873.10.e6	-	6.5.x	L3	L3	L3
RedHat	RHEL 5	6.2.0.865-0.8.el5	-	4.1.x	L3	L3	L3
		6.2.0.868-0.7.el5	-	4.1.x, 4.2.x, 4.5.x, 5.0.x	L3	L3	L3
		6.2.0.868-0.18.el5	-	4.5.x	L3	L3	L3
		6.2.0.871-0.10.el5	-	4.5.x, 5.1.x, 5.2.x, 5.3.x, 5.4.x	L3	L3	L3
		6.2.0.871-0.16.el5	-	5.4.x, 5.5.x, 6.0.x	L3	L3	L3
		6.2.0.872-10.el5	4.x, 5.x, 6.x	5.5.x, 6.0.x	L3	L1	L3
		6.2.0.872-13.el5	4.x, 5.x, 6.x	5.5.x, 6.1.x, 6.2.x, 6.3.x	L3	L1	L3
		6.2.0.872-16.el5	-	6.4.x, 6.5.x	L3	L3	L3
	RHEL 6	6.2.0.872-10.el6	4.x, 5.x, 6.x	5.4.x, 5.5.x, 6.0.x	L3	L1	L3
		6.2.0.872-33.el6	4.x, 5.x, 6.x	5.5.x, 6.0.x, 6.1.x, 6.2.x	L3	L1	L3
		6.2.0.872-41.el6	4.x, 5.x, 6.x	5.5.x, 6.3.x	L1	L1	L3
		6.2.0.873-2.el6	4.x, 5.x, 6.x	6.4.x	L1	L1	L3
		6.2.0.873-10.el6	-	6.5.x	L3	L3	L3

Vendor	iSCSI Initiator/ Operating System	Initiator Version	Valid Array OS Versions		Features		
			PS Series OS Version	SC Series OS Version	EqualLogic		Compellent
					DCB	iSCSI Boot	iSCSI Boot
VMware	ESX 3.5	3.5U5	3.2.8+, 4.x	4.1.x, 4.2.x, 4.5.x, 5.0.x, 5.1.x, 5.2.x, 5.3.x, 5.4.x, 5.5.x, 6.0.x	-	L3	L3
	vSphere 4.0	In-Box	4.0.6+, 5.1.x, 5.2.x, 6.0.x	4.5.x, 5.0.x, 5.1.x, 5.2.x, 5.3.x, 5.4.x, 5.5.x, 6.0.x	-	L1	L3
	vSphere 4.1/ESXi 4.1	In-Box	4.0.6+, 5.1.x, 5.2.x, 6.0.x	5.3.x, 5.4.x, 5.5.x, 6.0.x, 6.1.x, 6.2.x, 6.3.x, 6.4.x, 6.5.x	-	L1	L3
	vSphere 5.0	In-Box	5.1.x, 5.2.x, 6.0.x	5.5.x, 6.0.x, 6.1.x, 6.2.x, 6.3.x	-	L1	L3
	vSphere 5.1	In-Box	5.1.x, 5.2.x, 6.0.x, 7.0.x	5.5.x, 6.3.x, 6.4.x, 6.5.x	-	L1	L1
	vSphere 5.5	In-Box	6.0.x, 7.0.x	5.5.x, 6.3.x, 6.4.x, 6.5.x	-	L1	L1

1 – Tested by vendor

RTM - Release to Manufacturer. Term used to describe the initial released version of an Operating System from the vendor.

In-Box - Term used to describe the version included with each release of a given Operating System by the vendor.

Fluid File System SAN Switches

Vendor	Model	Type	Switch FW	Equallogic(FS7xxx)		Compellent(FS8600)		Notes
				FS OS Version	PS OS Version	FS OS Version	SCOS Version	
Brocade	300	FC	6.4.1b	-	-	2.0.x	6.1.x	
							6.2.x	
							6.3.x	
						3.0.x	6.1.x	
							6.2.x	
							6.3.x	
	5100	FC	6.1.1a	-	-	2.0.x	6.1.x	
							6.2.x	
							6.3.x	
						3.0.x	6.1.x	
							6.2.x	
							6.3.x	
Cisco	MDS 9148	FC	5.0(1a)	-	-	2.0.x	6.1.x	
							6.2.x	
							6.3.x	
						3.0.x	6.1.x	
							6.2.x	
							6.3.x	
	MDS 9222i	FC	6.2(3)	-	-	3.0.x	6.4.x	
	Nexus 5010/5020	Eth	5.1.3N2.1	2.0.4720	6.0.x	-	-	
				2.0.6740	6.0.x			
				3.0.8501	7.0.x			
	Nexus 55xx	Conv	6.0(2)N1(2)	3.0.8501	7.0.x	-	-	
	Dell	Force10 s4810P	Eth	8.3.12.x	2.0.4720	6.0.x	-	-
9.1.x				2.0.6740	6.0.x			
9.2.x				3.0.8501	7.0.x	-	-	
Force10 s4810T		Eth	9.2.x	3.0.8291	7.0.x	-	-	
Force10 S60		Eth	8.3.3.6	1.0.402	5.2.1	-	-	
			8.3.3.7	2.0.4720	6.0.x			
PowerConnect 70xx		Eth	4.0.0.x	-	-	3.0.x	6.1.x	
							6.2.x	
							6.3.x	
						6.4.x		
			4.2.2.3	2.0.4720	6.0.x	-	-	
			5.1.0.1	2.0.6740	6.0.4+			
PowerConnect 8024F		Eth	4.2.1.x	-	-	3.0.x	6.1.x	
				4.2.2.x	2.0.4720	6.0.x	-	-
				5.1.0.x	2.0.6740	6.0.4+	-	-
					3.0.8501	7.0.x	-	-
PowerConnect 81xx		Eth	5.0.0.4	2.0.6740	6.0.4	-	-	
	5.1.0.1			2.0.6740	6.0.4	-	-	
				3.0.8291	7.0.x	-	-	
DN S5000	Conv	9.1.1.0	-	-	3.0.x	6.4.x	FC and iSCSI	

Fluid File System Deprecated Switches

Vendor	Model	Type	Switch FW	Equallogic(FS7xxx)		Compellent(FS8600)	
				FS OS Version	PS OS Version	FS OS Version	SCOS Version
Dell	PowerConnect 62xx	Eth	3.3.x	1.0.402	5.2.1	3.0.x	6.4.x
	PowerConnect 8024F	Eth	4.2.x	-	-	2.0.x	6.4.x
			5.1.x	3.0.x	6.0.x	-	-

Fluid File System Enterprise Manager Support

FluidFS Version	Enterprise Manager Version	Storage Center Version
2	6.2.2.8+	6.1.3+
		6.2.x
	6.3.4+	6.3.x
3	2014 R1 and newer	6.3.x
		6.4.x
		6.5.x

Security Key Management System Support

Vendor	KMS Solution	KMS Version	Valid Array OS Versions	
			PS Series OS Version	SC Series OS Version
SafeNet	k150	6.6.x	-	6.5.x
	k460	6.6.x	-	6.5.x

Host HBA/CNA/NIC Driver Sources

The following table provides the provider name and link to use to download applicable drivers

OS	Source URL
Microsoft Windows	PowerEdge Validated: http://support.dell.com QLogic: http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/DefaultNewSearch.aspx Emulex: http://www.emulex.com/downloads/ Intel: https://downloadcenter.intel.com/default.aspx
VMware ESX/ESXi	http://www.vmware.com/resources/compatibility/search.php
Citrix XenServer	http://hcl.xensource.com/
HP-UX	http://h20566.www2.hp.com/portal/site/hpsc
Novell SLES	PowerEdge Validated: http://support.dell.com QLogic: http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/DefaultNewSearch.aspx Emulex: http://www.emulex.com/downloads/ Intel: https://downloadcenter.intel.com/default.aspx
Oracle Solaris	QLogic: http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/DefaultNewSearch.aspx Emulex: http://www.emulex.com/downloads/
Oracle Linux	QLogic: http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/DefaultNewSearch.aspx Emulex: http://www.emulex.com/downloads/ Intel: https://downloadcenter.intel.com/default.aspx

OS	Source URL
RedHat RHEL	PowerEdge Validated: http://support.dell.com QLogic: http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/DefaultNewSearch.aspx Emulex: http://www.emulex.com/downloads/ Intel: https://downloadcenter.intel.com/default.aspx

Additional Resources

Dell Storage SC/FS Series Whitepapers	http://en.community.dell.com/techcenter/storage/w/wiki/5018.compellent-technical-content.aspx
Dell Storage SC/FS Series Videos	http://en.community.dell.com/techcenter/storage/w/wiki/5089.compellent-video-content.aspx
Dell Storage Partner Portal (🔒)	http://partnerdirect.dell.com/sites/channel/en_us/Systems/Storage/Pages/Storage.aspx
Dell Storage SC/FS Series Customer Support Portal (🔒)	http://customer.compellent.com/login.aspx?item=%2fdefault&user=extranet%5cAnonymous&site=customerportal
Dell Storage EqualLogic Configuration Guide	http://en.community.dell.com/techcenter/storage/w/wiki/2639.equallogic-configuration-guide.aspx
Dell Storage Rapid EqualLogic Configuration Portal	http://en.community.dell.com/techcenter/storage/w/wiki/3615.rapid-equallogic-configuration-portal-by-sis.aspx
Dell Storage PS/FS Series Whitepapers	http://en.community.dell.com/techcenter/storage/w/wiki/2660.equallogic-technical-content.aspx