



## Windows Support Matrix

### Hitachi VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM

**Note:** Configurations added since the last matrix will be shown in red text.

#### Introduction

Use this interoperability matrix to check whether a proposed customer configuration is supported. Each tab contains a set of components that together comprise an Hitachi Vantara-supported solution. This includes operating system (OS) and maintenance release, host bus adapter (HBA), HBA driver, and storage area network (SAN) switches, both Fibre channel (FC) and Fibre channel over Ethernet (FCoE).

**Note:** The arrays supported now include the VSP F700, F900, G700, G900, F350, F370, G350, and G370.

#### Note on the 16 & 32 Gb Interfaces:

- The 32Gb interface is only available on the GX00 and FX00 arrays. It is supported with both 16 & 32Gb SFPs and operates at a maximum of 32Gbps.
- The VSP and HUS VM do not have 16Gb FC interfaces.
- With SVOS 7, for Direct connection to 16Gb or 32Gb FC you must set the storage port to Fabric = OFF and Connection Type P-to-P (Point to Point)

Note: The Hitachi FIVE FC HBA also has an alternate option of Fabric Emulation. When it is configured in this mode it should be treated as switch attached and the storage port should be set to Fabric = On and Connection Type = P-to-P

If a combination does not appear on the OS support matrix, the customer's Hitachi Vantara Sales Engineer (SE) or other Hitachi field service employee must submit an Interoperability Support Request in order to gain support for the new configuration.

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## VSP G1x00, F1500, Gxx0, Fxx0, VSP support for Microsoft Windows Server 2019

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Emulex	LPe16000, LPe16002, LPe16002B	v11.4.225.8009	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	v11.4.225.8009	
	OCe14102	v11.0.247.8000	
HPE	3530c	v11.4.225.8009	
	SN1100E	v11.4.225.8009	
	SN1200E	v11.4.225.8009	
	SN1600E	v11.4.225.8009	
	SN1000Q	v9.1.15.1	
	SN1100Q	v9.1.15.1	
IBM	00Y3337, 00Y3341	v9.1.15.1	
	SN1600Q	v9.1.15.1	
Qlogic	QLE2660, QLE2662, QLE2670, QLE2672, QME2662	v9.1.15.1	
	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	v9.1.15.1	
	QLE8360, QLE8362	v9.1.11.3	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	6505, 6510, 6520, 7840, DCX 8510	v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
	G610	v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
	G620, X6	v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
	G630	v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
Cisco	9132T	v8.3(1) - v8.3(2)	
	9148S, 9706	v8.3(1) - v8.3(2)	
	9250i	v8.3(1) - v8.3(2)	
	9396S	v8.3(1) - v8.3(2)	
	9710	v8.3(1) - v8.3(2)	
	9718	v8.3(1) - v8.3(2)	
	9706 (32Gb), 9710 (32Gb), 9718 (32Gb)	v8.3(1) - v8.3(2)	
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Brocade	VDX 6740	v6.0.1a	
Cisco	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1) - v7.3(1)N1(1)	

<b>FCOE Storage Interface</b>			
<b>Converged Network Adapters (CNA)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Emulex	OCe14102	v11.0.247.8000	
QLogic	QLE8360, QLE8362	v9.1.11.3	
<b>FCOE Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic DCB IP Switch	Any DCB 10GigE FW	
Brocade	VDX 6740	v6.0.1a	VSP G1000 & VSP only
Cisco	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1) - v7.3(1)N1(1)	

<b>10 Gbps iSCSI Storage Interface</b>			
<b>iSCSI Adapters</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Any	10 GbE NIC	Bundled	
Emulex	OCe14102	v11.4.1174.0	VSP G1x00, F1500, Gxx0, Fxx0 only
QLogic	QLE8360, QLE8362	v2.1.5.0	
<b>iSCSI Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic 10GigE Switch	Any 10GigE FW	VSP G1x00, F1500, Gxx0, Fxx0 only

## VSP G1x00, F1500, Gxx0, Fxx0, VSP support for Microsoft Windows Server 2016

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v3.0.0.7 v3.0.0.8	Must connect to a Cisco UCS or UCS Mini top of rack interconnect switch.
	UCS 1340, 1380	v3.0.0.7 v3.0.0.8	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205	v11.0.247.8000 v11.1.145.16 v11.2.139.0	
	LPe16000, LPe16002, LPe16002B	v11.0.247.8000 v11.1.145.16 v11.2.139.0 v11.4.204.8 v12.0.193.13	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	v11.1.145.16 v11.2.139.0 v11.4.204.8 v12.0.193.13	
	OCe11102	v11.0.247.8000 v11.2.1135.0	
	OCm14102	v11.2.1135.0	
HPE	3530c	v11.1.145.16 v11.2.139.0	
	3820C	v7.14.15.0	
	3830C	v9.2.2.2.0	
	QMH2682	v9.2.4.2.1	
	456972-B21	v11.1.145.16	
	LPe1205		
	534M, 534FLB	v7.14.15.0	
	536FLB	v7.14.15.0	
	554M, 554FLB	v11.1.145.16	
	630M, 630FLB	v7.14.15.0	
	650FLB, 650M	v11.1.145.16	
	659818-B21	v11.1.145.16	
	LPe1205A		
	81E, 82E, AJ762A, AJ762B, AJ763A, AJ763B, AH402A, AH403A	v11.0.247.8000	
	81Q, 82Q, AK344A, AJ764A	v9.1.15.1	
	SN1000Q	v9.1.15.1 v9.2.3.20	
	SN1100Q	v9.2.3.20	
	SN1600Q	v9.2.3.20	
	SN1100E	v11.0.247.8000 v11.1.145.16 v11.2.139.0 v11.4.204.8 v12.0.193.13	
	SN1200E	v11.1.145.16 v11.2.139.0 v11.4.204.8 v12.0.193.13	
SN1600E	v11.1.145.16 v11.2.139.0 v11.4.204.8 v12.0.193.13		
IBM	42D0485, 42D0494	v11.0.247.8000	
	42D0501, 42D0510	v9.1.15.1	
QLogic	QLE2560, QLE2562	v9.1.15.1 v9.2.3.20	
	QLE2660, QLE2662, QLE2670, QLE2672, QME2662	v9.1.15.1 v9.2.3.20	

	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	v9.2.3.20	
	QLE8360, QLE8362	v9.1.11.3 v9.1.13.10	
<b>FC Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d	Brocade FOS v7.4.2b is not supported.
	6505, 6510, 6520, 7840, DCX 8510	v7.4.2c - v7.4.2d, v8.0.1 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.1.2c, v8.1.2e, v8.2.0, and v8.2.1 are not supported.
	G610	v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.1.0, v8.1.2c, v8.1.2e, v8.2.0, and v8.2.1 are not supported.
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, v8.1.2e, v8.2.0, and v8.2.1 are not supported.
	G630	v8.2.0a - v8.2.0b, v8.2.1a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
Cisco	9148, 9222i, 9506 (8Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1) - v7.3(1)DY(1)	Cisco OS v6.2(15) is no longer supported.
	9132T	v8.2(1) - v8.2(2), v8.3(1) - v8.3(2)	
	9148S, 9706	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2)	Cisco OS v6.2(15) is no longer supported.
	9148T, 9396T	v8.3(1) - v8.3(2)	
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2)	Cisco OS v6.2(15) is no longer supported.
	9396S	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2)	Cisco OS v6.2(15) is no longer supported.
	9718	v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2)	
	9706 (32Gb), 9710 (32Gb), 9718 (32Gb)	v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2)	
<b>FCOE Switches (FCF mode)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Brocade	VDX 6730	v4.1.3a	
	VDX 6740	v6.0.1a	
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v7.3(0)N1(1) - v7.3(1)N1(1)	
	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1) - v7.3(1)N1(1)	
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v7.3(0)N1(1) - v7.3(1)N1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v3.1.2(b) - v3.1.2(e), v3.1.3(a)	
	UCS 6324	v3.1.2(b) - v3.1.2(e), v3.1.3(a)	Cisco UCS Mini only

<b>FCOE Storage Interface</b>			
<b>Converged Network Adapters (CNA)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Emulex	OCe11102	v11.0.247.8000	
QLogic	QLE8360, QLE8362	v9.1.11.3	
<b>FCOE Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic DCB IP Switch	Any DCB 10GigE FW	VSP G1000 & VSP only
Brocade	VDX 6740	v6.0.1a	
Cisco	9706 (FCoE), 9710 (FCoE), 9718 (FCoE)	v6.2(25), v8.1(1) - v8.1(1b)	
	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1) - v7.3(1)N1(1)	

<b>10 Gbps iSCSI Storage Interface</b>			
<b>iSCSI Adapters</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Any	10 GbE NIC	Bundled	VSP G1x00, F1500, Gxx0, Fxx0 only
Emulex	OCe14102	v11.0.273.8008	
Intel	82599ES	v2.0.2.15	
QLogic	QLE8440, QLE8442	v7.14.1.1	
<b>iSCSI Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic 10GigE Switch	Any 10GigE FW	VSP G1x00, F1500, Gxx0, Fxx0 only
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v5.2(1)N1(1) - v5.2(1)N1(9), v7.0(0)N1(1) - v7.0(8)N1(1)	

## VSP G1x00, F1500, Gxx0, Fxx0, VSP support for Microsoft Windows Server 2012 R2

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v2.3.0.20 v2.4.0.8 v2.4.0.9 v2.4.0.11 v2.4.0.19 v2.4.0.20	Must connect to a Cisco UCS or UCS Mini top of rack interconnect switch.
	UCS 1340, 1380	v2.4.0.8 v2.4.0.9 v2.4.0.11 v2.4.0.19 v2.4.0.20	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v2.3.0.12 v2.4.0.9 v2.4.0.11 v2.4.0.19	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI	v2.74.214.004 v2.76.002.001 v2.76.003.001 v10.2.261.4 v10.2.370.8 v10.4.246.0 v10.6.114.0 v11.0.247.0 v11.1.145.16 v11.2.139.0	
	LPe16000, LPe16002, LPe16002B	v2.74.214.004 v2.76.002.001 v2.76.003.001 v10.1.1.26 v10.2.261.4 v10.2.370.8 v10.6.114.0 v11.0.247.0 v11.1.145.16 v11.2.139.0 v11.4.204.8	
	LPm16002B-HI	v2.76.002.001	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	v11.0.235.9 v11.0.247.0 v11.2.139.0 v11.2.156.18 v11.4.204.8	
	OCe10102	v2.76.002.001 v2.76.003.001 v10.4.246.0	
	OCe11102	v2.76.002.001 v10.2.370.8 v10.6.114.0	
	Oce14102	v10.4.246.0 v11.2.1135.0	
	OCm11104-F2-HI	v10.2.261.4	
		v10.4.246.0	
	OCm14102	v11.2.1135.0	
HPE	451871-B21 QMH2562	v9.1.11.28	
	456972-B21 LPe1205	v10.2.261.4 v11.1.145.16	
	534M, 534FLB	v7.14.15.0	
	536FLB	v7.14.15.0	

	554M, 554FLB	v2.74.014.001 v2.76.003.001 v10.2.261.4 v10.2.370.8 v10.4.246.0 v11.1.145.16	
	630M, 630FLB	v7.14.15.0	
	650FLB, 650M	v10.2.261.4 v10.2.370.8 v10.4.246.0 v11.1.145.16	
	651281-B21 QMH2572	v9.1.11.28	
	659818-B21 LPe1205A	v2.76.003.001 v11.1.145.16	
	710608-B21 QMH2672	v9.1.12.22	
	718203-B21 LPe1605	v10.4.246.0	
	81E, 82E, AJ762A, AJ762B, AJ763A, AJ763B, AH402A, AH403A	v2.74.214.004 v2.76.002.001 v2.76.003.001 v10.2.261.4 v10.2.370.8 v10.4.246.0 v10.6.114.0 v11.0.247.0 v11.1.145.16	
	81Q, 82Q, AK344A, AJ764A	v9.1.11.24 v9.1.12.21 v9.1.12.22	
	CN1200E	v10.4.246.0	
	NC551i, NC551m	v2.74.014.001	
	NC553i, NC553m, CN1100E	v2.74.014.001 v2.76.003.001 v10.4.246.0 v11.1.145.16	
	SN1000E	v2.74.214.004 v2.76.002.001	
	SN1000Q	v9.1.11.24 v9.1.12.21 v9.1.12.22	
	SN1100E	v2.74.214.004 v2.76.002.001 v2.76.003.001 v10.2.261.4 v10.2.370.8	
IBM	42D0485, 42D0494	v2.74.214.004 v2.76.002.001 v2.76.003.001 v10.2.261.4 v10.2.370.8 v10.4.246.0 v10.6.114.0 v11.0.247.0 v11.1.145.16	
	42D0501, 42D0510	v9.1.11.24 v9.1.12.21 v9.1.12.22	
	69Y1942	v9.1.11.28 v9.1.11.3	



Qlogic	QLE2560, QLE2562	v9.1.11.24 v9.1.11.28 v9.1.11.3 v9.1.12.21 v9.1.12.22 v9.1.13.20 v9.1.15.21 v9.2.3.20	
	QLE2660, QLE2662, QLE2670, QLE2672, QME2662	v9.1.10.26 v9.1.11.24 v9.1.11.28 v9.1.11.3 v9.1.12.21 v9.1.12.22 v9.1.15.21 v9.1.17.21 v9.2.3.20	
	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	v9.1.11.3 v9.1.15.21 v9.1.17.21 v9.2.3.20	
	QLE8142	v9.1.11.12	
	QLE8260, QLE8262	v9.1.12.10	
	QLE8360, QLE8362	v9.1.11.12 v9.1.11.16 v9.1.11.3 v9.1.12.10 v9.1.13.10 v9.2.3.20	
	QME2572	v9.1.11.24	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d	Brocade FOS v7.4.2b is not supported.
	6505, 6510, 6520, 7840, DCX 8510	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d, v8.0.1 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v7.4.2b, v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.
	G610	v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.
Cisco	9148, 9222i, 9506 (8Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1) - v7.3(1)DY(1)	Cisco OS v6.2(15) is no longer supported.
	9132T	v8.2(1) - v8.2(2)	
	9148S, 9706	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9396S	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9718	v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	
	9706 (32Gb), 9710 (32Gb), 9718 (32Gb)	v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Brocade	VDX 6730 (8G)	v4.0.1	
Cisco	9710 (FCoE), 9718 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1)	
	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596T-2232TM-E, 5596up	v6.0(2)N1(2), v6.0(2)N1(2a), v6.0(2)N2(1) - v6.0(2)N2(6), v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.1(4)N1(1), v7.2(0)N1(1) - v7.2(1)N1(1), v7.3(0)N1(1) - v7.3(1)N1(1), v7.1(4)N1(1)	
	Nexus 5672up, 5672up-2248pq	v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.1(4)N1(1), v7.2(0)N1(1) - v7.2(1)N1(1), v7.3(0)N1(1) - v7.3(1)N1(1)	
	Nexus 7710 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.1(3a) - v2.1(3g), v2.2(1b) - v2.2(1d), v2.2(3a) - v2.2(4c), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(8f), v3.1(1e) - v3.1(1f), v3.1.2(b) - v3.1.2(e), v3.1.3(a) - v3.1.3(d)	
	UCS 6324	v3.0(2c) - v3.0(2d), v3.1(1e) - v3.1(1f), v3.1.2(b) - v3.1.2(e), v3.1.3(a) - v3.1.3(d)	Cisco UCS Mini only

<b>FCOE Storage Interface</b>			
<b>Converged Network Adapters (CNA)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Brocade	1860	v3.2.3.1 v3.2.4.0	
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v2.3.0.20 v2.4.0.8 v2.4.0.9 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v2.4.0.8 v2.4.0.9 v2.4.0.11 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v2.4.0.9 v2.4.0.11	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	Oce10102	v2.76.002.001 v10.4.246.0	
	Oce11102	v10.0.720.0 v10.2.370.8 v10.6.114.0	
	Oce14102	v11.1.145.16	
Qlogic	QLE8260, QLE8262	v9.1.12.10	
	QLE8360, QLE8362	v9.1.11.3 v9.1.11.16 v9.1.12.10 v9.1.13.10	
<b>FCOE Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic DCB IP Switch	Any DCB 10GigE FW	VSP G1000 & VSP only
Brocade	DCX (FCoE)	v7.2.0a - v7.2.1b, v7.3.0 - v7.3.2	VSP G1000 & VSP only
Cisco	9132T	v8.2(1) - v8.2(2)	
	9250i (FCoE)	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1a), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9513 (FCoE)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	9706 (FCoE)	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1a), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9710 (FCoE)	v6.2(7) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1a), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9718 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1a), v8.2(1) - v8.2(2)	VSP G1000 & VSP only
	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v6.0(2)N2(1) - v6.0(2)N2(6), v7.0(0)N1(1) - v7.0(7)N1(1), v7.1(0)N1(1a) - v7.2(1)N1(1)	VSP G1000 & VSP only
	Nexus 5672up, 5672up-2248pq	v7.1(0)N1(1a) - v7.2(1)N1(1), v7.3(0)N1(1) - v7.3(1)N1(1)	VSP G1000 & VSP only
	Nexus 7710 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	VSP G1000 & VSP only
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.1(3a) - v2.1(3g), v2.2(1b) - v2.2(1d), v2.2(3a) - v2.2(4c), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(6g), v2.2(7b), v2.2(8a), v3.1(1e)	VSP G1000 & VSP only
Nexus 6001P, 6001p-2248pq, 6001T, 6004	v6.0(2)N1(2), v6.0(2)N1(2a), v7.0(0)N1(1) - v7.0(7)N1(1)	VSP G1000 & VSP only	

10 Gbps iSCSI Storage Interface			
iSCSI Adapters			
Manufacturer	Models	Driver Versions	Notes
Any	10 GbE NIC	Bundled	VSP G1x00, F1500, Gxx0, Fxx0 only
Emulex	OCe10102	v10.4.245.0 v10.4.255.23	
	OCe11102	v10.2.478.1	
	OCe14102	v10.4.255.23	
HPE	530SFP+	v7.10.30.0 v7.10.39.0	
	534FLB	v7.13.104.0	
	534FLR-SFP+	v7.13.104.0	
	554FLR-SFP	v10.2.421.0	
	CN1100R	v7.13.104.0	
	CN1200E	v11.1.145.30	
Intel	82599ES	v2.0.2.15	
QLogic	QLE8360, QLE8362	v2.1.6.10	
	QLE8440, QLE8442	v7.12.0.0 v7.12.3.0	
iSCSI Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic 10GigE Switch	Any 10GigE FW	VSP G1x00, F1500, Gxx0, Fxx0 only
Brocade	VDX 6730	v4.1.2, v4.1.3a	
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v5.2(1)N1(1) - v5.2(1)N1(9), v7.0(0)N1(1) - v7.0(8)N1(1)	
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v7.0(0)N1(1) - v7.0(8)N1(1)	

## VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for Microsoft Windows Server 2012

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v2.2.0.9 v2.2.0.17 v2.3.0.12 v2.4.0.8	Must connect to a Cisco UCS or UCS Mini top of rack interconnect switch.
	UCS M81KR	v2.2.0.9 v2.2.0.17 v2.3.0.12 v2.4.0.8	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.002.001 v10.2.261.4 v10.2.370.8 v10.4.246.0	
	LPe16000, LPe16002, LPe16002B	v2.72.012.001 v2.74.014.001 v2.76.002.001 v2.76.003.001 v10.2.261.4	
	Oce14102	v10.4.246.0	
	OCm11104-F2	v2.72.012.001 v10.2.261.4	
	OCm14102	v10.4.246.0	
HPE	451871-B21 QMH2562	v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.23 v9.1.11.28 v9.1.12.22	
	456972-B21 LPe1205	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.002.001 v11.1.145.16	
	554M, 554FLB	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4 v10.4.246.0 v11.1.145.16	
	650FLB, 650M	v10.2.261.4 v10.2.370.8 v10.4.246.0 v11.1.145.16	
	651281-B21 QMH2572	v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.23 v9.1.11.24 v9.1.11.28 v9.1.12.22 v9.1.15.21	
	659818-B21 LPe1205A	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.002.001 v11.1.145.16	

	710608-B21 QMH2672	v9.1.11.28 v9.1.12.22	
	81E, 82E, AJ762A, AJ762B, AJ763A, AJ763B, AH402A, AH403A	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.002.001 v10.2.261.4	
	81Q, 82Q, AK344A, AJ764A	v9.1.10.25 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.23 v9.1.11.24 v9.1.11.28 v9.1.12.22	
	NC551i, NC551m	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.003.001	
	NC553i, NC553m, CN1100E	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4 v10.4.246.0 v11.1.145.16	
	SN1000E	v2.72.012.001 v2.74.014.001 v2.76.002.001	
	SN1000Q	v9.1.10.26 v9.1.11.24 v9.1.12.22	
IBM	42D0485, 42D0494	v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.002.001 v10.2.261.4	
	42D0501, 42D0510	v9.1.10.25 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.23 v9.1.12.22	
	46M6140	v2.74.014.001	
Qlogic	QLE2560, QLE2562	v9.1.10.25 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.23 v9.1.11.24 v9.1.11.28 v9.1.12.22	
	QLE2660, QLE2662, QLE2670, QLE2672, QME2662	v9.1.10.26 v9.1.11.24	
	QLE8142	v9.1.10.15 v9.1.11.24	
	QLE8360, QLE8362	v9.1.10.18	
	QME2572	v9.1.11.24	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d	Brocade FOS v7.4.2b is not supported.
	6505, 6510, 6520, 7840, DCX 8510	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d, v8.0.1 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v7.4.2b, v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.
	G610	v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.
Cisco	9148, 9222i, 9506 (8Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1) - v7.3(1)DY(1)	Cisco OS v6.2(15) is no longer supported.
	9148S, 9706	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9396S	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9718	v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	
	9706 (32Gb), 9710 (32Gb), 9718 (32Gb)	v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Brocade	VDX 6730 (8G)	v4.0.1	
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596T-2232TM-E, 5596up	v5.1(3)N1(1) - v5.1(3)N2(1c), v5.2(1)N1(1) - v5.2(1)N1(9), v6.0(2)N1(2), v6.0(2)N1(2a), v6.0(2)N2(1) - v6.0(2)N2(6), v7.0(0)N1(1) - v7.0(7)N1(1), v7.1(0)N1(1a) - v7.2(1)N1(1)	
	Nexus 5672up, 5672up-2248pq	v7.0(0)N1(1) - v7.0(7)N1(1), v7.1(0)N1(1a) - v7.2(1)N1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.0(4a) - v2.0(4d), v2.0(5a) - v2.0(5f), v2.1(1a) - v2.1(1c), v2.1(2a) - v2.1(2d), v2.1(3a) - v2.1(3g), v2.2(1b) - v2.2(1d), v2.2(3a) - v2.2(4c)	
	UCS 6324	v3.0(2c) - v3.0(2d)	Cisco UCS Mini only

FCOE Storage Interface			
Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v2.2.0.17 v2.3.0.12	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v2.2.0.17 v2.3.0.12 v2.4.0.8	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe16000, LPe16002, LPe16002B	v2.72.012.001	
	OCe11102	v10.0.720.0	
	OCm11104-F2	v2.72.012.001	
HPE	NC553i, NC553m, CN1100E	v2.76.003.001	
QLogic	QLE2670, QLE2672	v9.1.10.26	
	QLE8142	v9.1.10.15 v9.1.11.24	
	QLE8360, QLE8362	v9.1.10.18	

<b>FCOE Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic DCB IP Switch	Any DCB 10GigE FW	VSP G1000 & VSP only
Brocade	DCX (FCoE)	v7.2.0a - v7.2.1b, v7.3.0 - v7.3.2	
Cisco	9250i (FCoE)	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	9513 (FCoE)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	9706 (FCoE)	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	9710 (FCoE)	v6.2(7) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596T-2232TM-E, 5596up	v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.2(1)N1(1)	VSP G1000 & VSP only
	UCS 6120XP, 6140XP, 6248up, 6296up	2.0(5a) - v2.0(5f), 2.1(1a) - v2.1(1f), v2.1(2a) - v2.1(2d), v2.1(3a) - v2.1(3g), v2.2(3a) - v2.2(4c)	

<b>10 Gbps iSCSI Storage Interface</b>			
<b>iSCSI Adapters</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Any	10 GbE NIC	Bundled	VSP G1x00, F1500, Gxx0, Fxx0 only
<b>iSCSI Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic 10GigE Switch	Any 10GigE FW	VSP G1x00, F1500, Gxx0, Fxx0 only



## VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for Microsoft Windows Server 2008 R2 SP1 (X64)

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v2.1.0.17 v2.1.0.18 v2.1.0.20 v2.1.0.25 v2.1.0.27 v2.1.0.31 v2.1.0.34	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v2.1.0.27 v2.1.0.31 v2.1.0.34	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M71KR-Q, M72KR-Q	v9.1.8.27	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v2.0.1.6 v2.1.0.11 v2.1.0.17 v2.1.0.18 v2.1.0.20 v2.1.0.25 v2.1.0.27 v2.1.0.31 v2.1.0.34	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS P81E	v2.0.1.3 v2.1.0.11 v2.1.0.17 v2.1.0.20	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI	v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4 v10.2.370.8 v10.4.246.0 v10.6.114.0 v11.1.145.16	

	LPe16000, LPe16002, LPe16002B	v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001 v10.2.261.4 v10.2.370.8 v10.4.246.0 v11.1.145.16	
	OCe10102	v2.76.003.001 v10.0.720.0	
	OCe11102	v2.70.018 v2.76.003.001 v10.0.720.0 v10.2.370.8	
	Oce14102	v10.4.246.0	
	OCm11104-F2	v2.72.012.001	
	OCm14102	v10.4.246.0	
HPE	451871-B21 QMH2562	v9.1.8.27 v9.1.9.25 v9.1.9.26 v9.1.9.45 v9.1.9.47 v9.1.9.49 v9.1.10.26 v9.1.11.20 v9.1.17.25	
	456972-B21 LPe1205	v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001 v10.2.261.4 v10.4.246.0 v11.1.145.16	
	554M, 554FLB	v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4 v10.2.370.8 v10.4.246.0 v11.1.145.16	
	650FLB, 650M	v10.2.261.4 v10.2.370.8 v10.4.246.0 v11.1.145.16	
	651281-B21 QMH2572	v9.1.9.45 v9.1.9.49 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.28 v9.1.17.25	

659818-B21 LPe1205A	v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.002.001 v10.2.261.4 v10.4.246.0 v11.1.145.16	
710608-B21 QMH2672	v9.1.11.28 v9.1.12.22	
81E, 82E, AJ762A, AJ762B, AJ763A, AJ763B, AH402A, AH403A	v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4 v10.2.370.8 v10.4.246.0	
81Q, 82Q, AK344A, AJ764A	v9.1.9.25 v9.1.9.26 v9.1.9.27 v9.1.9.45 v9.1.9.47 v9.1.9.49 v9.1.10.26 v9.1.10.28 v9.1.11.20 v9.1.11.24 v9.1.12.21 v9.1.12.22	
CN1200E	v10.4.246.0	
NC551i, NC551m	v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001	
NC553i, NC553m, CN1100E	v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4 v11.1.145.16	
SN1000E	v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001	

	SN1000Q	v9.1.10.26 v9.1.11.20 v9.1.12.21 v9.1.17.25	
	SN1100E	v10.4.246.0	
IBM	42D0485, 42D0494	v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4 v10.2.370.8	
	42D0501, 42D0510	v9.1.9.25 v9.1.9.26 v9.1.9.27 v9.1.9.45 v9.1.9.47 v9.1.9.49 v9.1.10.26 v9.1.10.27 v9.1.10.28 v9.1.11.20 v9.1.11.24 v9.1.12.21 v9.1.12.22	
	44X1940, 44X1942, 44X1945, 44X1947	v9.1.9.25 v9.1.10.26 v9.1.11.24 v9.1.12.21	
	46M6065	v9.1.10.26 v9.1.11.20	
	46M6140	v2.70.018 v2.74.014.001	
QLogic	QLE2560, QLE2562	v9.1.9.25 v9.1.9.26 v9.1.9.27 v9.1.9.45 v9.1.9.47 v9.1.9.49 v9.1.10.26 v9.1.10.28 v9.1.11.20 v9.1.11.24 v9.1.11.28 v9.1.12.21 v9.1.12.22 v9.1.13.20 v9.1.15.21 v9.1.17.21 v9.1.17.25	
	QLE2660, QLE2662, QLE2670, QLE2672	v9.1.10.26 v9.1.11.20 v9.1.11.28 v9.1.12.21 v9.1.13.20 v9.1.17.21	
	QLE8142	v9.1.9.15	
	QLE8152	v9.1.9.15 v9.1.9.55 v9.1.10.18	
	QLE8240, QLE8242	v9.1.9.15 v9.1.9.17	
	QLE8260, QLE8262	v9.1.12.10	
	QLE8360, QLE8362	v9.1.12.10	
	QME2472	v9.1.9.27 v9.1.9.49	
	QME2572	v9.1.11.28	

FC Switches				
Manufacturer	Models	Firmware Versions	Notes	
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d	Brocade FOS v7.4.2b is not supported.	
	6505, 6510, 6520, 7840, DCX 8510	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d, v8.0.1 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v7.4.2b, v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.	
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f, v8.2.0a - v8.2.0b	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, v8.1.2e, and v8.2.0 are not supported.	
Cisco	9148, 9222i, 9506 (8Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1) - v7.3(1)DY(1)	Cisco OS v6.2(15) is no longer supported.	
	9148S, 9706	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.	
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.	
	9396S	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.	
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.	
	9718	v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)		
FCOE Switches (FCF mode)				
Manufacturer	Models	Firmware Versions	Notes	
Brocade	VDX 6730 (8G)	v4.0.1		
Cisco	9250i (FCoE)	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(19), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9513 (FCoE)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(19), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9706 (FCoE)	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(19), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9710 (FCoE)	v6.2(7) - v6.2(13b), v6.2(17) - v6.2(19), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9718 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	VSP G1000 & VSP only	
	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596T-2232TME, 5596up	v5.1(3)N1(1) - v5.1(3)N2(1c), v5.2(1)N1(1) - v5.2(1)N1(9), v6.0(2)N1(2), v6.0(2)N1(2a), v6.0(2)N2(1) - v6.0(2)N2(6), v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.1(4)N1(1), v7.2(0)N1(1) - v7.2(1)N1(1), v7.3(0)N1(1) - v7.3(1)N1(1)		
	Nexus 5672up, 5672up-2248pq	v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.1(4)N1(1), v7.2(0)N1(1) - v7.2(1)N1(1), v7.3(0)N1(1) - v7.3(1)N1(1)		
	Nexus 6001p-2248pq, 6001T, 6004	v6.0(2)N1(2), v6.0(2)N1(2a), v6.0(2)N2(1) - v6.0(2)N2(6), v7.0(0)N1(1) - v7.0(8)N1(1)		Cisco Nexus 6001/6004 series requires v6.0(2)N1(2) and above. Nexus 6001T requires v6.0(2)N2(1) and above.
	Nexus 7710 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)		
UCS 6120XP, 6140XP, 6248up, 6296up	v2.1(3a) - v2.1(3g), v2.2(1b) - v2.2(1d), v2.2(3a) - v2.2(4c), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(8f)			

<b>FCOE Storage Interface</b>			
<b>Converged Network Adapters (CNA)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v2.1.0.20 v2.1.0.25 v2.1.0.27 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v2.1.0.27	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v2.1.0.20 v2.1.0.25 v2.1.0.27	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS P81E	v2.1.0.17 v2.1.0.20	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe16000, LPe16002, LPe16002B	v2.72.012.001	
	OCe10102	v2.76.003.001 v10.0.720.0	
	OCe11102	v2.70.018 v2.76.003.001 v10.0.720.0 v10.2.370.8	
QLogic	QLE2670, QLE2672	v9.1.10.26	
	QLE8142	v9.1.9.15	
	QLE8152	v9.1.9.55 v9.1.10.18	
	QLE8240, QLE8242	v9.1.9.36	
	QLE8260, QLE8262	v9.1.12.10	
	QLE8360, QLE8362	v9.1.10.18 v9.1.11.16 v9.1.12.10	

FCOE Switches				
Manufacturer	Models	Firmware Versions	Notes	
Any	Generic DCB IP Switch	Any DCB 10GigE FW		
Brocade	DCX (FCoE)	v7.2.0a - v7.2.1b, v7.3.0 - v7.3.2	VSP G1000 & VSP only	
Cisco	9250i (FCoE)	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9513 (FCoE)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9706 (FCoE)	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9710 (FCoE)	v6.2(7) - v6.2(13b), v6.2(17) - v6.2(21), v7.3(0)D1(1) v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.	
	9718 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)		
	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v5.1(3)N1(1) - v5.1(3)N2(1c), v5.2(1)N1(1) - v5.2(1)N1(9), v6.0(2)N1(2), v6.0(2)N1(2a), v6.0(2)N2(1) - v6.0(2)N2(6), v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.1(4)N1(1), v7.2(0)N1(1) - v7.2(1)N1(1), v7.3(0)N1(1)		
	Nexus 5672up, 5672up-2248pq	v7.1(0)N1(1a) - v7.1(4)N1(1), v7.2(0)N1(1) - v7.2(1)N1(1), v7.3(0)N1(1)	VSP G1000 & VSP only	
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v6.0(2)N1(2), v6.0(2)N1(2a), v6.0(2)N2(1) - v6.0(2)N2(4), v7.0(0)N1(1) - v7.0(7)N1(1)		
Nexus 7710 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)			
UCS 6120XP, 6140XP, 6248up, 6296up	2.0(5a) - v2.0(5f), 2.1(1a) - v2.1(1f), v2.1(2a) - v2.1(2d), v2.1(3a) - v2.1(3g), v2.2(1b) - v2.2(1d), v2.2(2c), v2.2(3a) - v2.2(4c), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(6g)			

### 10 Gbps iSCSI Storage Interface

iSCSI Adapters			
Manufacturer	Models	Driver Versions	Notes
Any	10 GbE NIC	Bundled	
HPE	554FLR-SFP	v10.2.421.0	
	530SFP+	v7.10.30.0	VSP G1x00, F1500, Gxx0, Fxx0 only
QLogic	QLE8240, QLE8242	v2.1.6.10 v5.3.29.801	
	QLE8440, QLE8442	v2.1.6.10	
iSCSI Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic 10GigE Switch	Any 10GigE FW	
Brocade	VDX 6730	v4.1.2, v4.1.3a	
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v7.0(0)N1(1) - v7.0(8)N1(1)	VSP G1x00, F1500, Gxx0, Fxx0 only
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v7.0(0)N1(1) - v7.0(8)N1(1)	

**VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for Microsoft Windows Server 2008 SP2 (X64)**

<b>FC Storage Interface</b>			
<b>Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
Cisco	UCS 1240, 1280	v2.1.0.20	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v2.1.0.11 v2.1.0.17	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205A-HI, LPe1205-HI	v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001	
	LPe16000, LPe16002, LPe16002B	v2.70.018 v2.70.019 v2.74.009.001 v10.2.261.4	
	OCe11102	v2.70.018	
	Oce14102	v10.4.246.0	
	OCm11104-F2	v2.72.012.001	
	OCm14102	v10.4.246.0	
	HPE	451871-B21 QMH2562	v9.1.9.25 v9.1.9.26 v9.1.9.45 v9.1.9.49 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.28
456972-B21 LPe1205		v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001 v11.1.145.16	
554M, 554FLB		v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001 v10.2.261.4 v11.1.145.16	
650FLB, 650M		v10.4.246.0 v11.1.145.16	
651281-B21 QMH2572		v9.1.9.45 v9.1.9.49 v9.1.10.26 v9.1.10.27 v9.1.11.20	
659818-B21 LPe1205A		v2.72.012.001 v2.74.009.001 v2.74.014.001 v2.76.002.001 v11.1.145.16	
81E, 82E, AJ762A, AJ762B, AJ763A, AJ763B, AH402A, AH403A		v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001	



	81Q, 82Q, AK344A, AJ764A	v9.1.9.25 v9.1.9.26 v9.1.9.27 v9.1.9.45 v9.1.9.47 v9.1.9.49 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.12.22	
	NC551i, NC551m	v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001	
	NC553i, NC553m, CN1100E	v2.70.018 v2.70.019 v2.74.009.001 v2.74.014.001	
	SN1000E	v2.70.018 v2.70.019 v2.74.009.001	
IBM	42D0485, 42D0494	v2.70.018 v2.70.019 v2.72.012.001 v2.74.009.001 v2.74.014.001	
	42D0501, 42D0510	v9.1.9.25 v9.1.9.26 v9.1.9.27 v9.1.9.45 v9.1.9.47 v9.1.9.49 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.12.22	
	44X1940, 44X1942, 44X1945, 44X1947	v9.1.9.25 v9.1.10.26	
	46M6065	v9.1.9.25	
QLogic	QLE2560, QLE2562	v9.1.9.25 v9.1.9.26 v9.1.9.27 v9.1.9.45 v9.1.9.47 v9.1.9.49 v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.12.22 v9.1.13.20	
	QLE8142	v9.1.9.15	
	QME2472	v9.1.9.27	

<b>FC Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d	Brocade FOS v7.4.2b is not supported.
	6505, 6510, 6520, 7840, DCX 8510	v7.4.0 - v7.4.2a, v7.4.2c - v7.4.2d	Brocade FOS v7.4.2b is not supported.
Cisco	9148, 9222i, 9506 (8Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1) - v7.3(1)DY(1)	Cisco OS v6.2(15) is no longer supported.
	9148S, 9706	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9396S	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(25), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(25), v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	Cisco OS v6.2(15) is no longer supported.
	9718	v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2)	

<b>FCOE Switches (FCF mode)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Brocade	VDX 6730 (8G)	v4.0.1	
Cisco	9250i (FCoE), 9513 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	
	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v5.1(3)N1(1) - v5.1(3)N2(1c), v7.3(0)N1(1)	
	Nexus 5672up, 5672up-2248pq	v7.0(0)N1(1) - v7.0(7)N1(1), v7.1(0)N1(1a) - v7.2(1)N1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.0(1q), v2.0(1t), v2.0(3a), v2.1(1a)	

<b>FCOE Storage Interface</b>			
<b>Converged Network Adapters (CNA)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Versions</b>	<b>Notes</b>
QLogic	QLE8142	v9.1.9.15	

  

<b>FCOE Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Any	Generic DCB IP Switch	Any DCB 10GigE FW	VSP G1000 & VSP only
Brocade	DCX (FCoE)	v7.2.0a - v7.2.1b, v7.3.0 - v7.3.2	