



## VMWare Support Matrix

### Hitachi VSP 5x00, 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, for Fibre channel (FC), Fibre channel over Ethernet (FCoE), and 10 Gbps iSCSI.

**Note:** The arrays supported now include the VSP 5100, 5100H, 5500, 5500H.

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

- The 32Gb interface is only available on the VSP 5x00, 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)

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 5x00, G1x00, F1500, Gxx0, Fxx0 support for VMWare ESXi 6.7, UP1, UP2, UP3 (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	v4.0.0.24 v4.0.0.35	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v4.0.0.24 v4.0.0.35 v4.0.0.38 v4.0.0.40	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1440, 1455, 1457, 1480	v4.0.0.14 v4.0.0.24 v4.0.0.33 v4.0.0.38 v4.0.0.40	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205	Bundled	
	LPe16000, LPe16002, LPe16002B	Bundled v12.2.212.10	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	Bundled v12.2.212.10	
	LPe35000, LPe35002	v12.2.212.10 v12.0.257.5	
	Oce14102	Bundled v11.4.1121.0 v11.4.1272.11	
HPE	3530c	Bundled	
	3830C	Bundled	
	QMH2682		
	451871-B21	Bundled	
	QMH2562		
	534M, 534FLB	v1.0.45.0	
	536FLB	v1.0.45.0	
	650M, 650FLB	v12.0.1115.0	
	651281-B21	Bundled	
	QMH2572		
	710608-B21	Bundled	
	QMH2672		
	AJ763A, AJ763B, 82E, AJ762A, AJ762B, 81E, 82E	Bundled	
	AK344A, AJ764A, 81Q, 82Q	Bundled	
	CN1200E	v12.0.1115.0	
	SN1100E	Bundled	
SN1200E	Bundled		
SN1600E	Bundled		
SN1000Q	Bundled		
SN1100Q	Bundled		
SN1600Q	Bundled		
QLogic	QLE2560, QLE2562, QLE2564	Bundled	
	QLE2660, QLE2662, QLE2670, QLE2672	Bundled v3.1.16.0-1	
	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	Bundled v3.1.16.0-1	
	QLE8360, QLE8362	v2.1.65.0 v3.1.8.0 v3.1.9.0 v3.1.16.0	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 7800	v7.4.2d - <b>v7.4.2f</b>	
	6505, 6510, 6520, 7840, DCX 8510	v7.4.2d - <b>v7.4.2f</b> , v8.0.1 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2j, v8.2.0a - v8.2.0b, v8.2.1a - v8.2.1d, v8.2.2 - v8.2.2a	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, v8.1.2e, v8.2.0, and v8.2.1 are not supported.
	G610	v8.2.0a - v8.2.0b, v8.2.1a - v8.2.1d, v8.2.2 - v8.2.2a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
	G620, X6	v8.2.0a - v8.2.0b, v8.2.1a - v8.2.1d, v8.2.2 - v8.2.2a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
	G630	v8.2.0a - v8.2.0b, v8.2.1a - v8.2.1d, v8.2.2 - v8.2.2a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
Cisco	9148, 9222i, 9506 (8Gb), 9513, 9513 (8Gb)	v6.2(17) - v6.2(29)	
	9132T	v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9148S, 9706	v6.2(29), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9148T, 9396T	v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9250i	v6.2(29), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9396S	v6.2(29), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9710	v6.2(29), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9718	v8.2(1) - v8.2(2), v8.3(2), v8.4(1) - v8.4(1a)	Cisco OS v8.3(1) is no longer supported on the 9718.
	9706 (32Gb), 9710 (32Gb)	v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9718 (32Gb)	v8.2(1) - v8.2(2), v8.3(2), v8.4(1) - v8.4(1a)	Cisco OS v8.3(1) is no longer supported on the 9718.

### FCOE Switches (FCF mode)

Manufacturer	Models	Firmware Versions	Notes
Cisco	Nexus 5672up, 5672up-2248pq	v7.3(1)N1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v3.2(3h)	
	UCS 6332-16UP	v4.0(1b), v4.0(1c), v4.0(4b), v4.0(4d)	
	UCS 6454	v4.0(1b), v4.0.2(b), v4.0(4b), v4.0(4d)	

### FCOE Storage Interface

#### Converged Network Adapters (CNA)

Manufacturer	Models	Driver Versions	Notes
Emulex	OCe14102	Bundled v11.4.1121.0 v11.4.1272.11	
Qlogic	QLE8360, QLE8362	v2.1.65.0 v3.1.8.0 v3.1.9.0 v3.1.16.0	

#### FCOE Switches

Manufacturer	Models	Firmware Versions	Notes
Any	Generic DCB IP Switch	Any DCB 10GigE FW	
Cisco	9132T (FCoE)	v8.2(1), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	VSP G1000 & VSP only
	9250i (FCoE)	v6.2(29), v8.2(1), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9513 (FCoE)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(29), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9148S (FCoE), 9706 (FCoE)	v8.2(1), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9710 (FCoE)	v8.2(1), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9718 (FCoE)	v8.2(1), v8.3(2), v8.4(1) - v8.4(1a)	
	Nexus 5672up, 5672up-2248pq, 5672up-2348UPQ	v7.3(1)N1(1)	

## 10 Gbps iSCSI Storage Interface

### ISCSI Adapters

Manufacturer	Models	Driver Versions	Notes
Any	10 GbE NIC	Bundled	VSP G1x00, F1500, Gxx0, Fxx0 only
Cisco	UCS 1440, 1455, 1457, 1480	v1.0.29.0-1	
Emulex	Oce14102	v12.0.1108.0	
QLogic	QLE8360, QLE8362	v634.55.26.0-1vmw v644.6.04.0 v644.6.06.0	

### ISCSI Switches

Manufacturer	Models	Firmware Versions	Notes
Any	Generic 10GigE Switch	Any 10GigE FW	VSP G1x00, F1500, Gxx0, Fxx0 only

**VSP 5x00, G1x00, F1500, Gxx0, Fxx0, VSP support for VMWare ESXi 6.0, UP1, UP2, UP3, 6.5, UP1, UP2, UP3 (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 1225, 1225T, 1227, 1240, 1280, 1285	v1.6.0.12b v1.6.0.17a v1.6.0.24 v1.6.0.25 v1.6.0.28 v1.6.0.33 v1.6.0.34 v1.6.0.37 v2.3.0.6 v2.3.0.7	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.17a v1.6.0.24 v1.6.0.25 v1.6.0.28 v1.6.0.34 v1.6.0.36 v1.6.0.37 v1.6.0.44 v1.6.0.50	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1440, 1455, 1457, 1480	v1.6.0.44 v1.6.0.47 v1.6.0.50	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v1.6.0.12b v1.6.0.17a v1.6.0.28	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205	Bundled v10.5.39.0 v11.0.237.0 v11.1.247.0	
	LPe16000, LPe16002, LPe16002B	Bundled v10.2.455.0 v11.0.237.0 v11.1.145.18 v11.1.247.0	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	Bundled v11.0.124.0 v11.0.237.0 v11.1.145.18 v11.1.247.0 v12.2.212.10 v12.0.257.5	
	LPe35000, LPe35002	v12.2.212.10 v12.0.257.5	
	OCe10102	Bundled	
	OCe11102	Bundled v11.0.237.0	
	Oce14102	Bundled v11.4.1121.0	
	OCm14102	v11.0.237.0	
	HPE	3530c	v11.1.183.633 v11.1.196.3 v11.1.247.0 v11.1.257.0
3820C		v1.0.45.0	
3830C QMH2682		Bundled v2.1.30.0 v2.1.41.0 v2.1.50.0-1 v2.1.57.0-1	
451871-B21 QMH2562		Bundled	

	456972-B21 LPe1205	Bundled v10.7.110.4 v11.1.247.0	
	534M, 534FLB	v1.710.70.v55.3	
	554M, 554FLB	v10.7.110.4 v11.1.145.18 v12.0.1115.0	
	630FLB	v1.710.70.v55.3	
	650M, 650FLB	v10.7.110.4 v11.1.145.18 v12.0.1115.0	
	651281-B21 QMH2572	Bundled v2.1.50.0-1 v2.1.57.0-1	
	710608-B21 QMH2672	v2.1.20.0 v2.1.50.0-1	
	718203-B21 LPe1605	v10.4.236.0 v10.7.110.4 v11.1.247.0	
	AE311A, AE312A, FC1142SR AK344A, AJ764A, 81Q, 82Q	Bundled v2.1.30.0 v2.1.50.0-1 v2.1.57.0-1	
	AJ763A, AJ763B, 82E, AJ762A, AJ762B, 81E, 82E	Bundled v10.5.39.0	
	NC553i, NC553m, CN1100E	v10.2.455.0 v11.1.183.633	
	SN1100E	Bundled v10.2.455.0 v11.0.237.0 v11.1.145.18	
	SN1200E	Bundled v11.0.124.0 v11.0.237.0 v11.1.145.18	
	SN1600E	Bundled v11.0.124.0 v11.0.237.0 v11.1.145.18	
	SN1000Q	Bundled v2.1.30.0 v2.1.41.0 v2.1.50.0-1 v2.1.57.0-1	
	SN1100Q	Bundled v2.1.30.0 v2.1.41.0 v2.1.50.0-1 v2.1.57.0-1	
	SN1600Q	Bundled v2.1.30.0 v2.1.41.0 v2.1.50.0-1 v2.1.57.0-1	
IBM	00Y3341	v2.1.50.0-1 v2.1.57.0-1 v2.1.65.0-1	
	42D0485, 42D0494	Bundled	
	42D0501, 42D0510	Bundled v2.1.30.0 v2.1.50.0-1 v2.1.57.0-1	
	44X1940, 44X1942, 44X1945, 44X1947	Bundled v2.1.50.0-1	
	69Y1942	Bundled v2.1.50.0-1	

QLogic	QLE2560, QLE2562, QLE2564	Bundled v2.1.30.0 v2.1.50.0-1 v2.1.53.0-1 v2.1.57.0-1 v2.1.65.0-1	
	QME2572	Bundled	
	QLE2660, QLE2662, QLE2670, QLE2672	Bundled v2.1.30.0 v2.1.41.0 v2.1.50.0-1 v2.1.57.0-1 v2.1.65.0-1	
	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	Bundled v2.1.30.0-1 v2.1.41.0 v2.1.50.0-1 v2.1.53.0-1 v2.1.57.0-1 v2.1.65.0-1	
	QLE8360, QLE8362	Bundled v2.1.10.1 v2.1.46.0 v2.1.65.0	
<b>FC Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Brocade	300, 7800	v7.4.2d - v7.4.2f	
	6505, 6510, 6520, 7840, DCX 8510	v7.4.2d - v7.4.2f, v8.0.1 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2j, v8.2.0a - v8.2.0b, v8.2.1a - v8.2.1d, v8.2.2 - v8.2.2a	Brocade FOS v8.0.0, v8.1.0, 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 - v8.1.2j, v8.2.0a - v8.2.0b, v8.2.1a - v8.2.1d, v8.2.2 - v8.2.2a	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 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2j, v8.2.0a - v8.2.0b, v8.2.1a - v8.2.1d, v8.2.2 - v8.2.2a	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 - v8.2.1d, v8.2.2 - v8.2.2a	Brocade FOS v8.2.0, and v8.2.1 are not supported.
Cisco	9148, 9222i, 9506 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(29), 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), v8.4(1)	
	9148S, 9706	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(29), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	Cisco OS v6.2(15) is no longer supported.
	9148T, 9396T	v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9396T (32Gb)	v8.3(1) - v8.3(2)	
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(29), 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), v8.4(1) - v8.4(1a)	Cisco OS v6.2(15) is no longer supported.
	9396S	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(29), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(29), 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), v8.4(1) - v8.4(1a)	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(2), v8.4(1) - v8.4(1a)	Cisco OS v8.3(1) is no longer supported on the 9718.
	9706 (32Gb), 9710 (32Gb)	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), v8.4(1) - v8.4(1a)	
9718 (32Gb)	v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(2), v8.4(1) - v8.4(1a)	Cisco OS v8.3(1) is no longer supported on the 9718.	

FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596T-2232TM-E, 5596up	v5.2(1)N1(1) - v5.2(1)N1(8b), v7.0(0)N1(1) - v7.0(8)N1(1), v7.3(5)N1(1)	
	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1)	
	Nexus 7706 (FCoE), 7710 (FCoE)	v8.1(1) - v8.1(1a)	
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v7.3(0)N1(1) - v7.3(1)N1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.2(3a), v2.2(3b), v2.2(3d) - v2.2(3f), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(8f), v3.1(1e) - v3.1(1i), v3.1.2(b) - v3.1.3(a) - v3.1.(3d), v3.2(1) - v3.2(2d), v3.2(3g), v3.2(3h)	
	UCS 6332-16UP	v4.0(1b), v4.0.2(b), v4.0(4b), v4.0(4d)	
	UCS 6324	v3.1(1e), v3.1(2b) - v3.1(2e) - v3.1(1i), v3.1.2(b) - v3.1.2(e), v3.1.3(a) - v3.1.(3d), v3.2(1) - v3.2(2d)	Cisco UCS Mini only
UCS 6454	v4.0(1b), v4.0.2(b), v4.0(4b), v4.0(4d)		

FCOE Storage Interface			
Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 1240, 1280, 1285	v1.6.0.17a v1.6.0.25 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.17a v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v1.6.0.17a	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	Oce10102	Bundled	
	Oce11102	Bundled v11.1.196.3 v11.4.1121.0	
	Oce14102	Bundled	
Qlogic	QLE8360, QLE8362	Bundled v2.1.10.1 v2.1.46.0 v2.1.65.0	

FCOE Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic DCB IP Switch	Any DCB 10GigE FW	VSP G1000 & VSP only
Cisco	9132T (FCoE)	v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	
	9250i (FCoE)	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(29), 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), v8.4(1) - v8.4(1a)	Cisco OS v6.2(15) is no longer supported.
	9513 (FCoE)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(29), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	9148S (FCoE), 9706 (FCoE)	v6.2(9a) - v6.2(13b), v6.2(17) - v6.2(29), v8.1(1) - v8.1(1b), v8.2(1) - v8.2(2), v8.3(1) - v8.3(2), v8.4(1) - v8.4(1a)	Cisco OS v6.2(15) is no longer supported.
	9710 (FCoE)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(29), 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), v8.4(1) - v8.4(1a)	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(1b), v8.2(1) - v8.2(2), v8.3(2), v8.4(1) - v8.4(1a)	VSP G1000 & VSP only
	Nexus 5020, 5596UP, 5548up-2232pp, Nexus 5596T-2232TM-E	v7.0(0)N1(1) - v7.0(8)N1(1)	VSP G1000 & VSP only
	Nexus 5672up, 5672up-2248pq, 5672up-2348UPQ	v7.3(0)N1(1) - v7.3(1)N1(1)	VSP G1000 & VSP only
	Nexus 7706 (FCoE), 7710 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	VSP G1000 & VSP only
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.2(3a), v2.2(3b), v2.2(3d) - v2.2(3f), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(8f), v3.1(1e)	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
Cisco	UCS 1225	v2.1.2.62	
Emulex	Oce11102	Bundled v11.0.231.0 v11.1.216.0 v11.1.91.0-1vmw v11.2.1147.5	
	Oce14102	Bundled v10.4.203.8 v10.4.255.17 v12.0.1108.0	
HP	530SFP+	Bundled	
	534FLB	v1.713.20.v60.4	
	534FLR-SFP+	v1.713.20.v60.4	
	CN1100R	v1.713.20.v60.4	
	CN1200E	v11.1.145.0	
Intel	X520	v3.7.13.7 v4.4.1	
	82598EB	Bundled	
Qlogic	QLE8360, QLE8362	v634.55.26.0-1vmw	
ISCSI Switches			
Manufacturer	Models	Firmware Versions	Notes
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), v7.3(0)N1(1) -v7.3(1)N1(1)	
	Nexus 5672up, 5672up-2248pq, 5672up-2348UPQ	v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.2(1)N1(1)	
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v7.0(0)N1(1) - v7.0(8)N1(1), v7.3(0)N1(1) -v7.3(1)N1(1)	

## VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for VMWare ESXi 5.5, UP1, UP2, UP3 (X64)

**NOTE: VMWare 5.5 support ended 9/19/2018. Extended support ends 9/19/2020.**

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	v1.5.0.45 v1.5.0.49 v1.6.0.5 v1.6.0.6 v1.6.0.10 v1.6.0.12 v1.6.0.12b v1.6.0.17a v1.6.0.25 v1.6.0.28 v1.6.0.34	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.12 v1.6.0.12b v1.6.0.16 v1.6.0.17a v1.6.0.25 v1.6.0.34 v1.6.0.36	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v1.5.0.45 v1.5.0.49b v1.6.0.12b	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI	Bundled v10.2.261.7 v10.2.340.18 v10.0.720.0	
	LPe16000, LPe16002, LPe16002B	Bundled v10.0.725.203 v10.2.426.0 v11.0.237.0 v11.1.145.18	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	Bundled v11.0.237.0 v11.1.145.18	
	OCe10102	Bundled v8.2.3.1-129vmw v8.2.4.151.65 v10.2.455.0	
	OCe11102	Bundled v10.2.455.0	
	OCe14102	Bundled	
	OCm14102	v11.0.237.0	
HPE	451871-B21 QMH2562	v1.710.70.v55.3	
	456972-B21 LPe1205	Bundled v10.7.110.4	
	554M, 554FLB	v10.0.725.203 v10.2.298.12 v10.2.340.18 v10.2.455.0 v10.5.65.7 v10.7.110.4 v11.1.145.18	

	630FLB	v1.710.70.v55.3	
	650M, 650FLB	v10.2.340.18 v10.2.292.0 v10.2.455.0 v10.7.110.4 v11.1.145.18 v11.1.183.633	
	651281-B21 QMH2572	Bundled	
	659818-B21 LPe1205A	Bundled v10.2.455.0 v10.7.110.4	
	710608-B21 QMH2672	v1.1.29.0-1 v1.1.39.0-1	
	718203-B21 LPe1605	v10.2.426.0 v10.2.455.0	
	A8003A, A8003B, FC2242SR, A8002A, A8002B, FC2142SR	Bundled	
	AJ763A, AJ763B, 82E, AJ762A, AJ762B, 81E, 82E	Bundled	
	NC553i, NC553m, CN1100E	v10.0.725.203 v10.2.455.0 v11.1.145.18	
	SN1000Q	Bundled v1.1.14.0 v1.1.39.0	
	SN1100E	Bundled v10.0.725.203 v10.2.426.0 v11.1.145.18	
IBM	42D0485, 42D0494	Bundled	
	42D0501, 42D0510	Bundled	
	44X1940, 44X1942, 44X1945, 44X1947	Bundled	
	69Y1938	Bundled	
	69Y1942	Bundled v1.1.14.0	
	88Y5920	v1.78.76.v55.1	
	90Y3554	Bundled	
Qlogic	QLE2560, QLE2562, QLE2564	Bundled v1.1.39.0	
	QLE2660, QLE2662, QLE2670, QLE2672	Bundled v1.1.14.0 v1.1.39.0 v1.1.73.0	
	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	Bundled v1.1.67.0 v1.1.73.0-1	
	QME2572	Bundled	
	QME2662	Bundled	
	QLE8360, QLE8362	Bundled v1.1.39.0	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 7800	v7.4.2d - v7.4.2f	
	6505, 6510, 6520, 7840, DCX 8510	v7.4.2d - v7.4.2f, v8.0.1 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2j, v8.2.0a - v8.2.0b	Brocade FOS v8.1.0, v8.1.2c, and v8.1.2e are not supported.
	G610	v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2j, 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 - v8.0.2f, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2j, 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.
	G630	v8.2.0a - v8.2.0b	Brocade FOS v8.2.0 is not supported.
Cisco	9148, 9222i, 9506 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(29), 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(29), 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(29), 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(29), 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(29), 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
Any	Generic DCB IP Switch	Any DCB 10GigE FW	
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596up, 5596T, 5596T-2232TM-E	v6.0(2)N1(2), v6.0(2)N1(2a), v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.1(5)N1(1), v7.2(0)N1(1) - v7.2(1)N1(1), v7.3(0)N1(1)	
	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1), v7.1(0)N1(1a) - v7.1(4)N1(1)	
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v6.0(2)N1(1), v6.0(2)N1(2), v6.0(2)N1(2a), v7.1(0)N1(1a) - v7.1(4)N1(1)	
	Nexus 7706 (FCoE), 7710 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.1(3a) - v2.1(3d), v2.1(3g), v2.1(3j), v2.2(1b) - v2.2(1d), v2.2(3a), v2.2(3b), v2.2(3d) - v2.2(4c), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(6g), v3.1(1e) - v3.1(1i), v3.1.2(b) - v3.1.3(a), v3.2(1) - v3.2(2d)	
	UCS 6324	v3.0(2c), v3.1(1e) - v3.1(1i), v3.1.2(b) - v3.1.2(e), v3.1.3(a)	Cisco UCS Mini only
IBM	IBM CN4093	v7.7.5.0	

<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	v1.5.0.45 v1.5.0.49 v1.6.0.5 v1.6.0.10 v1.6.0.12 v1.6.0.12b	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.12 v1.6.0.12b	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v1.5.0.45	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	Oce10102	Bundled v8.2.3.1-129vmw v8.2.4.151.65	
	Oce11102	Bundled v10.2.455.0	
Qlogic	QLE8360, QLE8362	Bundled v1.1.39.0 v1.1.73.0	
<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
Cisco	9132T (FCoE)	v8.2(1)	
	9250i (FCoE)	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(29), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	9513 (FCoE)	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(29), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	9710 (FCoE)	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(29), v7.3(0)D1(1) - v7.3(1)D1(1)	Cisco OS v6.2(15) is no longer supported.
	Nexus 5672up, 5672up-2248pq	v7.1(0)N1(1a) - v7.1(4)N1(1)	
	Nexus 6001P, 6001p-2248pq, 6001T, 6004	v6.0(2)N1(1), v6.0(2)N1(2), v6.0(2)N1(2a), v7.1(0)N1(1a) - v7.1(4)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(3d), v2.1(3g), v2.1(3j), v2.2(1b) - v2.2(1d), v2.2(3a), v2.2(3b), v2.2(3d) - v2.2(4c), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(6g), v3.1(1e)	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
Cisco	UCS 1225	v2.1.2.62	
Emulex	Oce11102	v10.7.110.10	
HP	554FLB	v10.5.65.7	
	530SFP+	Bundled	
Intel	X520	v4.4.1	
QLogic	57810S-K	v2.713.10.v55.3	
	QLE8240, QLE8242	v5.3.191	
	QLE8440, QLE8442	v2.710.39.v55.2	
iSCSI Switches			
Manufacturer	Models	Firmware Versions	Notes
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	v7.0(0)N1(1) - v7.0(8)N1(1)	
	Nexus 5672up, 5672up-2248pq, 5672up-2348UPQ	v7.0(5)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.2(1)N1(1)	