



Citrix XenServer Support Matrix

Hitachi Unified Storage 100 Family

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 a 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).

In the sample datapath below, a customer configuration is supported if that particular HBA and driver, switch and switch firmware combinations both appear on the Windows Server 2012 R2 support matrix.

For example: Windows Server 2012 R2 host that has an Emulex LPe12000/12002 HBA using driver v2.76.002.001 connected to a Brocade DCX SAN switch with FOS v7.2.1 installed.

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.

Note that in some cases a component (HBA, driver, switch, switch firmware version) may no longer be supported (end of service life, EOSL) in which case the customer should choose components that are already supported from the matrix. Click on a tab to view associated components.

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HUS 110 130 150 support for XENServer 6.5 & 6.5 SP1 (X64)

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 11240, 1280, 1285	v1.6.0.18 v1.6.0.25 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.12b v1.6.0.17 v1.6.0.18 v1.6.0.25 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205A-HI, LPe1205-HI	v10.2.340.0	
QLogic	QLE2560, QLE2562, QLE2564	v8.07.00.09.66.5-k	
	QLE2660, QLE2662, QLE2670, QLE2672	v8.07.00.09.66.5-k	
	QLE8240, QLE8242	v8.07.00.09.66.5-k	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.4.0 - v7.4.2a, v7.4.2c	Brocade FOS v7.4.2b is not supported.
	6505, 6510, 6520, DCX8510	v7.4.0 - v7.4.2a, v7.4.2c	Brocade FOS v7.4.2b is not supported.
Cisco	9148, 9222i, 9506 (4Gb), 9506 (8Gb), 9509 (4Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Cisco	Nexus 5010-2232pp, 5020, 5548p, 5548up, 5548up-2232pp, 5596T-2232TM-E, 5596up	v7.1(0)N1(1a) - v7.1(1)N1(1)	
	UCS UCS 6120XP, 6140XP, 6248up, 6296up	v2.2(3a) - v2.2(3f), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(8f)	
	UCS 6324	v3.0(2c) - v3.0(2d), v3.1(1e) - v3.1(1l)	Cisco UCS Mini only

HUS 110 130 150 support for XENServer 6.2 (X64)

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 11240, 1280, 1285	v1.5.0.45 v1.5.0.49 v1.6.0.6 v1.6.0.10 v1.6.0.12 v1.6.0.16	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.12 v1.6.0.16	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v1.5.0.45 v1.5.0.49 v1.6.0.6 v1.6.0.10 v1.6.0.12 v1.6.0.18 v1.6.0.25	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205A-HI, LPe1205-HI	v8.3.7.14 v8.3.5.77.1p	
	LPm16002B-HI	v8.3.7.14 v8.3.5.77.1p	
HP	AE311A, AE312A, FC1142SR, FC1242SR	v8.05.00.03.55.6-k	
	AJ763A, AJ763B, 82E	v8.3.7.14	
	AJ762A, AJ762B, 81E	v8.3.5.77.1p	
	AK344A, AJ764A, 81Q, 82Q	v8.05.00.03.55.6-k	
IBM	39R6525, 39R6527	v8.05.00.03.55.6-k	
	42D0485, 42D0494	v8.3.7.14 v8.3.5.77.1p	
	42D0501, 42D0510	v8.05.00.03.55.6-k	
Qlogic	QLE2460, QLE2462	v8.05.00.03.55.6-k	
	QLE2560, QLE2562	v8.05.00.03.55.6-k	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.0.0 - v7.0.2e, v7.1.0a - v7.1.2b, v7.2.0a - v7.2.1g, v7.3.0 - v7.3.2b, v7.4.0 - v7.4.2a, v7.4.2c	Brocade FOS v7.1.0, v7.2.0, and v7.4.2b are not supported.
	6505, 6510, 6520, DCX8510	v7.0.0 - v7.0.2e, v7.1.0a - v7.1.2b, v7.2.0a - v7.2.1g, v7.3.0 - v7.3.2b, v7.4.0 - v7.4.2a, v7.4.2c, v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b	Brocade FOS v7.1.0, v7.2.0, v7.4.2b, v8.1.0, and v8.1.2c are not supported.
Cisco	9148, 9222i, 9506 (4Gb), 9506 (8Gb), 9509 (4Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9148S	v6.2(9) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9706	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.

FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Cisco	UCS UCS 6120XP, 6140XP, 6248up, 6296up	v2.1(3a) - v2.1(3g), v2.2(1b) - v2.2(1d), v2.2(2c), v2.2(3a) - v2.2(3f), v2.2(5b) - v2.2(5d), v2.2(6c) - v2.2(8f)	
	UCS 6324	v3.0(2c) - v3.0(2d)	Cisco UCS Mini only

iSCSI Storage Interface

iSCSI Adapters			
Manufacturer	Models	Driver Versions	Notes
Any	10 GbE NIC	Bundled	

iSCSI Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic 10GigE Switch	Any 10GigE FW	

HUS 110 130 150 support for XENServer 6.1 (X64)

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Cisco	UCS 1225, 1225T, 1227, 11240, 1280, 1285	v1.4.0.145 v1.5.0.20	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v1.4.0.145 v1.5.0.20	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe11000, LPe11002	v8.3.5.77.1p	
	LPe12000, LPe12002, LPe1205, LPe1205A-HI, LPe1205-HI	v8.3.5.77.1p	
HP	A8003A, A8003B, FC2242SR A8002A, A8002B, FC2142SR	v8.3.5.77.1p	
	AJ763A, AJ763B, 82E AJ762A, AJ762B, 81E	v8.3.5.77.1p	
	AK344A, AJ764A, 81Q, 82Q	v8.04.00.02.55.6-k	
IBM	42C2069, 42C2071	v8.3.5.77.1p	
	42D0485, 42D0494	v8.3.5.77.1p	
	42D0501, 42D0510	v8.04.00.02.55.6-k	
Qlogic	QLE2560, QLE2562	v8.04.00.02.55.6-k	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5300, 7800, DCX, DCX-4s	v7.0.0 - v7.0.2e, v7.1.0a - v7.1.2b, v7.2.0a - v7.2.1g, v7.3.0 - v7.3.2b, v7.4.0 - v7.4.2a, v7.4.2c	Brocade FOS v7.1.0, v7.2.0, and v7.4.2b are not supported.
	6505, 6510, 6520, DCX8510	v7.0.0 - v7.0.2e, v7.1.0a - v7.1.2b, v7.2.0a - v7.2.1g, v7.3.0 - v7.3.2b, v7.4.0 - v7.4.2a, v7.4.2c, v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b	Brocade FOS v7.1.0, v7.2.0, v7.4.2b, v8.1.0, and v8.1.2c are not supported.
Cisco	9148, 9222i, 9506 (4Gb), 9506 (8Gb), 9509 (4Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9148S	v6.2(9) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9250i	v6.2(5) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9706	v6.2(13) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
	9710	v6.2(1) - v6.2(13b), v6.2(17) - v6.2(23)	Cisco OS v6.2(15) is no longer supported.
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Cisco	UCS UCS 6120XP, 6140XP, 6248up, 6296up	v2.0(5a) - v2.0(5f), v2.1(2a) - v2.1(2d)	