



RHEL 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 RHEL 7.4 (X64)

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI, LPe1205A-HI	v11.2.0.6	
Qlogic	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	v8.07.00.38.07.4-k1	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	G610, G620, G630, X6	v8.2.0a - v8.2.0b	

HUS 110 130 150 support for RHEL 7.2 (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	v1.6.0.25 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.25 v2.4.0.13	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI, LPe1205A-HI	v10.7.0.1 v11.1.1.183.21	
	LPe16000, LPe16002, LPe16002B	v11.1.1.183.21	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	v11.0.240.0 v11.2.156.18	
HP	403619-B21	v8.07.00.18.07.2-k	
	554M, 554FLB	v11.1.1.183.21	
	650FLB, 650M	v11.1.1.183.21	
Qlogic	QLE2560, QLE2562, QLE2564	v8.07.00.18.07.2-k v8.07.00.42.07.0-k1	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 7800	v7.4.2d - v7.4.2g	
	6505, 6510, 6520, 7840, DCX 8510	v7.4.2d - v7.4.2g	
Cisco	9506 (8Gb), 9513 (8Gb)	v6.2(17) - v6.2(31)	
	9396S	v8.1(1) - v8.1(1b)	
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Cisco	UCS 6120XP, 6140XP, 6248up, 6296up	v3.1(1e) - v3.1(1l)	
	UCS 6324	v3.1(1e) - v3.1(1l)	Cisco UCS Mini only
ISCSI Storage Interface			
ISCSI Adapters			
Manufacturer	Models	Driver Versions	Notes
QLogic	QLE8360, QLE8362	v5.04.00.00.07.02-k0	HUS 110 130 150 only
ISCSI Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic 10GigE Switch	Any 10GigE FW	

HUS 110 130 150 support for RHEL 7.1 (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	v1.6.0.18 v1.6.0.25	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS 1340, 1380	v1.6.0.18 v1.6.0.25	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI, LPe1205A-HI	v10.2.8021.1	
	LPe16000, LPe16002, LPe16002B	v10.6.144.21	
Qlogic	QLE2560, QLE2562 , QLE2564	v8.07.00.08.07.1-k2 v8.07.00.16.39.0-k	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 7800	v7.4.2d - v7.4.2g	
	6505, 6510, 6520, 7840, DCX 8510	v7.4.2d - v7.4.2g	
Cisco	9506 (8Gb), 9513 (8Gb)	v6.2(17) - v6.2(31)	
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Cisco	UCS 6120XP, 6140XP, 6248up, 6296up	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
Emulex	OCe10102	v10.4r v10.4.74.0r	
ISCSI Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic 10GigE Switch	Any 10GigE FW	
Cisco	Nexus 5020, 5596UP, 5548up-2232pp, Nexus 5596T-2232TM-E	v7.0(1)N1(1) - v7.0(5)N1(1)	

HUS 110 130 150 support for RHEL 7.0 (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	v1.6.0.12 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	v1.6.0.12 v1.6.0.12b v1.6.0.16	Must connect to a Cisco UCS top of rack interconnect switch.
Emulex	LPe12000, LPe12002, LPe1205, LPe1205-HI, LPe1205A-HI	v8.3.7.34.3p	
	LPe16000, LPe16002, LPe16002B	v8.3.7.34.3p v10.2.340.16	
	LPm16002B-HI	v8.3.7.34.3p	
	OCe10102	v8.3.7.34.3p	
	OCe11102	v8.3.7.34.3p	
HP	650FLB	v10.2.340.16	
Qlogic	QLE8240, QLE8242	v8.06.00.08.07.0-k2	
	QLE8360, QLE8362	v8.06.00.08.07.0-k2	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 7800	v7.4.2d - v7.4.2g	
	6505, 6510, 6520, 7840, DCX 8510	v7.4.2d - v7.4.2g	
Cisco	9506 (8Gb), 9513 (8Gb)	v6.2(17) - v6.2(31)	
	9250i	v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9718	v7.3(0)D1(1) - v7.3(1)D1(1)	
FCOE Switches (FCF mode)			
Manufacturer	Models	Firmware Versions	Notes
Cisco	9250i (FCoE), 9513 (FCoE), 9710 (FCoE), 9718 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	
	UCS 6120XP, 6140XP, 6248up, 6296up	v2.2(3a), v2.2(3b), v2.2(3d)	
	UCS 6324	v3.0(2c)	Cisco UCS Mini only
	Nexus 5020, 5596UP, 5548up-2232pp, Nexus 5596T-2232TM-E	v7.1(0)N1(1a) - v7.1(1)N1(1)	
	Nexus 7710 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	

HUS 110 130 150 support for RHEL 6.10 (X64)

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
Emulex	LPe12000, LPe12002, LPe1205	v11.0.1.6	
	LPe16000, LPe16002, LPe16004, LPe16000B, Pe16002B	v11.0.1.6	
HPE	AJ763A, AJ763B, AH403A, 82E	v11.0.1.6	
	AJ762A, AJ762B, AH402A, 81E SN1100E	v11.0.1.6	
FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	6505, 6510, 6520, 7840, DCX 8510	v8.1.2a -v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2k	