



Windows 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 Microsoft Windows Server 2012 R2
NOTE: Support ended on 10/9/18. Extended support ends 10/10/23.

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	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 v2.4.0.19	Must connect to a Cisco UCS top of rack interconnect switch.
	UCS M81KR	v2.3.0.12 v2.4.0.11 v2.4.0.13 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 v10.2.261.4 v10.2.370.8	
	LPe16000, LPe16002, LPe16002B	v2.74.214.004 v2.76.002.001 v2.76.003.001 v10.1.1.26 v10.2.261.4 v10.6.114.0 v11.0.247.0 v11.1.145.16	
	LPm16002B-HI	v2.76.002.001	
	LPe31000, LPe31002, LPe31004, LPe32000, LPe32002	v11.0.247.0	
	OCe10102	v2.76.002.001 v2.76.003.001 v10.4.246.0	
	OCe11102	v10.2.370.8	
HP	451871-B21 QMH2562	v9.1.11.28	
	554M, 554FLB	v10.2.261.4 v10.2.370.8	
	650M, 650FLB	v10.2.261.4 v10.4.246.0	
	651281-B21 QMH2572	v9.1.11.28	
	AJ763A, AJ763B, 82E AJ762A, AJ762B, 81E	v2.74.214.004 v2.76.002.001 v10.2.261.4	
	42C2069, 42C2071	v2.74.214.004 v2.76.002.001 v10.2.261.4	
IBM	42D0485, 42D0494	v2.74.214.004 v2.76.002.001 v10.2.261.4	

Qlogic	QLE2560, QLE2562	v9.1.14.22 v9.1.15.21 v9.2.2.20	
	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 v9.1.15.21	
	QLE2690, QLE2692, QLE2740, QLE2742, QLE2764	v9.1.15.21 v9.1.17.21	
	QLE8142	v9.1.11.12	
	QLE8360, QLE8362	v9.1.12.10	

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	
Cisco	9148, 9506 (8Gb), 9513 (8Gb)	v6.2(17) - v6.2(31)	
	9148S	v6.2(17) - v6.2(31)	
	9250i	v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9396S	v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9706	v6.2(17) - v6.2(31)	
	9710	v6.2(17) - v6.2(31)	
	9718	v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1)	

FCOE Switches (FCF mode)

Manufacturer	Models	Firmware Versions	Notes
Cisco	9250i (FCoE)	v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9513 (FCoE)	v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9718 (FCoE)	v7.3(0)D1(1) - v7.3(1)D1(1)	
	Nexus 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)	
	Nexus 5672up, 5672up-2248pq	v7.0(0)N1(1) - v7.0(8)N1(1), v7.1(0)N1(1a) - v7.1(4)N1(1), v7.3(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), 2.2(1b) - v2.2(1d), 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(1f)	Cisco UCS Mini only

HUS 110 130 150 support for Microsoft Windows Server 2012
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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	v2.2.0.9 v2.2.0.17 v2.3.0.12 v2.4.0.8 v2.4.0.11	Must connect to a Cisco UCS 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	v2.74.009.001 v2.74.014.001 v2.76.003.001 v10.2.261.4	
	LPe16000, LPe16002, LPe16002B	v2.72.012.001 v2.76.003.001 v10.2.261.4	
	OCm11104-F2	v2.72.012.001	
HP	451871-B21 QMH2562	v9.1.10.27 v9.1.11.20 v9.1.11.28	
	456972-B21 LPe1205	v2.74.009.001	
	554M, 554FLB	v2.74.009.001 v2.74.014.001 v10.2.261.4	
	AJ763A, AJ763B, 82E AJ762A, AJ762B, 81E	v2.74.009.001 v2.74.014.001 v10.2.261.4	
	AK344A, AJ764A, 81Q, 82Q	v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.24 v9.1.11.28	
IBM	42C2069, 42C2071	v2.74.009.001 v2.74.014.001 v10.2.261.4	
	42D0485, 42D0494	v2.74.009.001 v2.74.014.001 v10.2.261.4	
	42D0501, 42D0510	v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.24 v9.1.11.28	

Qlogic	QLE2560, QLE2562	v9.1.10.26 v9.1.10.27 v9.1.11.20 v9.1.11.24 v9.1.11.28	
	QLE2660, QLE2662, QLE2670, QLE2672	v9.1.10.26 v9.1.11.24 v9.1.11.28	
	QLE8142	v9.1.10.15 v9.1.11.24	

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	
Cisco	9148, 9506 (8Gb), 9513 (8Gb)	v6.2(17) - v6.2(31)	
	9148S	v6.2(17) - v6.2(31)	
	9250i	v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9396S	v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)	
	9706	v6.2(17) - v6.2(31)	
	9710	v6.2(17) - v6.2(31)	

FCOE Switches (FCF mode)

Manufacturer	Models	Firmware Versions	Notes
Cisco	UCS 6120XP, 6140XP, 6248up, 6296up	v2.0(4a) - v2.0(4d), v2.0(5a) - v2.0(5f), v2.1(1a) - v2.1(1f), v2.1(2a) - v2.1(2d), v2.1(3a) - v2.1(3g), v2.2(3a) - v2.2(4c), 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	