



VIOS 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, HUS VM support for VIOS 2.2.5 - 2.2.6.21

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	5708	Bundled	
	5729, 5735	Bundled	
	ENOA, ENOB	Bundled	
	ENOH, ENOJ	Bundled	
	EN0Y	Bundled	
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	v7.4.2c - 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 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	v4.1.3a	
	VDX 6740	v6.0.1a	
Cisco	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1) - v7.3(1)N1(1)	

FCOE Storage Interface			
Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	5708	Bundled	
	ENOH, ENOJ	Bundled	
FCOE Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic DCB IP Switch	Any DCB 10GigE FW	
Brocade	VDX 6730	v4.1.3a	VSP G1x00 & VSP only
	VDX 6740	v6.0.1a	
Cisco	Nexus 5672up, 5672up-2248pq	v7.3(0)N1(1) - v7.3(1)N1(1)	

VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for VIOS 2.2.4 - 2.2.4.21

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	5708	Bundled	
	5729, 5735	Bundled	
	EN0A, EN0B	Bundled	
	EN0H, EN0J	Bundled	
	EN0Y	Bundled	
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	v7.4.2c - 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 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	8000	v7.1.0a - v7.1.2b	
	VDX 6740	v6.0.1a	
Cisco	9710 (FCoE)	v7.3(0)DY(1)	
	Nexus 5020, 5596UP, 5548up-2232pp, Nexus 5596T-2232TM-E	v7.0(0)N1(1) - v7.0(8)N1(1)	

FCoE Storage Interface			
Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	5708	Bundled	
	EN0H	Bundled	
FCoE Switches			
Manufacturer	Models	Firmware Versions	Notes
Any	Generic DCB IP Switch	Any DCB 10GigE FW	VSP G1000 & VSP only
Brocade	8000	v7.1.0a - v7.1.2d	VSP G1000 & VSP only
	VDX 6740	v6.0.1a	VSP G1000 & VSP only
Cisco	Nexus 5020, 5596UP, 5548up-2232pp, Nexus 5596T-2232TM-E	v7.0(0)N1(1) - v7.0(8)N1(1)	VSP G1000 & VSP only

VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for VIOS 2.2.3.0 - 2.2.3.70

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	44X1940, 44X1942, 44X1945, 44X1947	Bundled	
	5708	Bundled	
	5729, 5735	Bundled	
	ENOA, ENOB	Bundled	
	ENOH, ENOJ	Bundled	
	EN0Y	Bundled	
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	Brocade FOS v7.4.2b, 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	Brocade FOS v8.1.0, v8.1.2c, and v8.1.2e are not supported.
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, and v8.1.2e 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	8000	v7.1.0a - v7.1.2b	
Cisco	9710 (FCoE)	v7.3(0)DY(1)	
	Nexus 5020, 5596UP, 5548up-2232pp, Nexus 5596T-2232TM-E	v5.2(1)N1(1) - v5.2(1)N1(8b), v7.0(0)N1(1) - v7.0(7)N1(1), v7.1(0)N1(1a) - v7.1(1)N1(1)	

VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for VIOS 2.2.2.0 - 2.2.2.9

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	44X1940, 44X1942, 44X1945, 44X1947	Bundled	
	46M6140	Bundled	
	5729, 5735	Bundled	
	ENOY	Bundled	
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	Brocade FOS v7.4.2b, 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	Brocade FOS v8.1.0, v8.1.2c, and v8.1.2e are not supported.
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, and v8.1.2e are 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)	

VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for VIOS 2.2.1.3 - 2.2.1.4

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	5729, 5735	Bundled	
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	Brocade FOS v7.4.2b, 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	Brocade FOS v8.1.0, v8.1.2c, and v8.1.2e are not supported.
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, and v8.1.2e 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)	

VSP G1x00, F1500, Gxx0, Fxx0, VSP, HUS VM support for VIOS 2.2.1.1

FC Storage Interface			
Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Versions	Notes
IBM	5729, 5735	Bundled	
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	Brocade FOS v7.4.2b, 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	Brocade FOS v8.1.0, v8.1.2c, and v8.1.2e are not supported.
	G620, X6	v8.0.1 - v8.0.2e, v8.1.0a - v8.1.2b, v8.1.2d, v8.1.2f	Brocade FOS v8.0.0, v8.1.0, v8.1.2c, and v8.1.2e 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)	