



## HCP Support Matrix

### Hitachi Virtual Storage Platform G1000, G800, G600, G400, G200, Virtual Storage Platform, and Hitachi Unified Storage VM , AMS 2500

#### 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 HDS-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 Data Systems Sales Engineer (SE) or other HDS 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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## Storage (VSP G1000, G800 G600, G400, G200, VSP, HUS VM, HUS 100, AMS 2500) support for HCP 7.0

Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Version	Notes
Emulex	LPe12002	Bundled	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5100, 5300, 7800, 8000, DCX, DCX-4s,	v7.3.0 - v7.3.0c	
Cisco	9148s	v6.2(9a) - v6.2(11c)	

## Storage (VSP G1000, G800, G600, G400, G200, VSP, HUS VM, HUS 100) support for HCP 6.1.1

Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Version	Notes
Emulex	LPe12002	Bundled	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5100, 5300, 7800, 8000, DCX, DCX-4s,	v7.1.0a - v7.1.2b, v7.2.0a - v7.2.1e	

Storage (VSP G1000, **G800**, G600, G400, G200, VSP, HUS VM, HUS 100, AMS 2500) support for HCP 6.1

Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)			
Manufacturer	Models	Driver Version	Notes
Emulex	LPe11002	Bundled	

FC Switches			
Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5100, 5300, 7800, 8000, DCX, DCX-4s,	v7.2.0a - v7.2.1e	
	6505, 6510, 6520, DCX8510	v7.2.0a - v7.2.1e	
Cisco	MDS 9250i	v6.2(5) - v6.2(11c)	
	MDS 9710	v6.2(1) - v6.2(11c)	

**Storage (VSP G1000, G800, G600, G400, G200, VSP, HUS VM, HUS 100, AMS 2500) support for HCP 6.0**

<b>Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Driver Version</b>	<b>Notes</b>
Emulex	LPe11002	Bundled	

<b>FC Switches</b>			
<b>Manufacturer</b>	<b>Models</b>	<b>Firmware Versions</b>	<b>Notes</b>
Brocade	4900, 48000	v6.4.0 - v6.4.3g	
	300, 5100, 5300, 7800, 8000, DCX, DCX-4s,	v7.0.0 - v7.0.2e	
	6505, 6510, 6520, DCX8510	v7.0.0 - v7.0.2e	
Cisco	9148, 9222i, 9506 (4Gb), 9506 (8Gb), 9509 (4Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v5.0(1a)-v5.0(8)	

**Storage (VSP G1000, G800, G600, G400, G200, VSP, HUS VM, HUS 100, AMS 2500) support for HCP 5.0.2**

**Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)**

Manufacturer	Models	Driver Version	Notes
Emulex	LPe11002	Bundled	

**FC Switches**

Manufacturer	Models	Firmware Versions	Notes
Brocade	300, 5100, 5300, 7800, 8000, DCX, DCX-4s	v7.0.0 - v7.0.2e	
Cisco	9148, 9222i, 9506 (4Gb), 9506 (8Gb), 9509 (4Gb), 9509 (8Gb), 9513, 9513 (8Gb)	v5.2(2d) - v5.2(8f)	Cisco OS v5.2(1) is not supported. Cisco NX-OS v6.2(x)and above is not supported on this platform

## Hitachi Content Platform (HCP) Line Card

HCP Model		HCP 300	HCP 500	HCP 500XL	HCP 500 XL 10GbE	HCP for VMware vSphereESXi
Capacity		4TB - 130TB (DPL2) 8TB - 215TB (DPL1)	18TB - 5PB	20TB-80PB	20TB-18PB	4TB-4.7PB
Hardware	Nodes	41749	4-80	4-80	4-18	4-40
	Server Model	CR 220S	CR 210H	CR 210H	CR 220S	VMWare
	CPU	1 x Six Core	2 x Six Core	2 x Six Core	2 x Six Core	8 x vCPU
	Memory	16GB	16GB	16GB	16GB	12GB
	Vertical Dimension	2U	1U	1U	2U	N/A
	Front End Ethernet	2 x 1GbE	2 x 1GbE	2 x 1GbE	2 x 10GbE	2 x pNIC
	Back End Ethernet	2 x 1GbE	2 x 1GbE	2 x 1GbE	2 x 10GbE	2 x pNIC
	Fibre Channel HBA	N/A	2 x 4Gb	2 x 4Gb	2 x 8Gb	2 x pNIC
	Internal HDD (SATA 11)	6 x 3.5" (500GB/1TB/2TB)	-	5 x 2.5"(500GB)	5 x 3.5" (500GB)	N/A
	SAN/Array Attach	No	Yes	Yes	Yes	Yes - Shared SAN
Spin-Down Disk*	No	Yes	Yes	Yes	No	