



Mainframe Storage Support Matrix

VSP 5x00 G1x00, F1500, VSP

Note: Configurations added since the last matrix will be shown in **red** text.

Introduction

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.

Please refer to other additional support matrix for details on version support for : e.g: TrueCopy for Mainframe , UVM for supported external storage, or other Mainframe user manuals or release notes.

If a combination does not appear on the OS support matrix, the customer's Hitachi Data Systems Sales Engineer (SE) or other Hitachi Vantara 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.

VSP G1x00 refers to : VSP G1500 and G1000

VSP 5x00 refers to: VSP 5500 and 5100

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RAID (VSP 5x00 G1x00, F1500, VSP) O/S support for Mainframe Systems

	Ficon	O/S Version	5500, 5100	F1500,G1x00	VSP	notes
CPU	z196 (zBX), z114, z10,z9, z-990, z-900, z-890, z-800, G5/G6, zEC12 (zBX), zBC12,		sVOS 9.1.2	V01	V03+1	z-900, z-890, z-800 not supported with VSP 5x00
	z13, z13s		SVOS 9.1.2	V01+1	V02+1	
	z14, z14 Model ZR1		SVOS 9.1.2	SVOS 7.2	V06	
	z15		SVOS 9.2	SVOS 8.3	V06	
OS	z/OS	V1.1 - V2.4	SVOS 9.1.2	sVOS 7.2	V06	refer to note *4, *5
	z/VM	V5.4 - V6.4	SVOS 9.1.2	V01	V02+1	
		V7.1	-	SVOS 7.2	-	
	z/VSE	V4.1 - V5.1	SVOS 9.1.2	V01	V02+1	
	z/Linux SuSE	ES11.0 SP4 - ES12.0 SP1	SVOS 9.1.2	V03	V06	
	z/Linux Redhat	EL6.0 - EL6.5	SVOS 9.1.2	V01	V02+1(*1)	
		EL7.0	SVOS 9.1.2	V01+1	V02+1(*1)	
EL7.2		SVOS 9.1.2	V03	V06		
-	-	-	-	-		

BCM	Version	z/OS Version	5500 5100	F1500,G1x00	VSP	notes
	8.0	V1.10 - V2.1	-	✓	✓	
	8.1	V1.10 - V2.1	-	✓	✓	
	8.2	V1.10 - V2.2	-	✓	✓	
	8.4	V1.10 - V2.2	-	✓	✓	
	8.5	V1.10 - V2.2	-	✓	✓	
	8.5.1	V1.10 - V2.2	-	✓	✓	
	8.5.2	V1.10 - V2.2	-	✓	✓	New options were added to the YKMAKE and YKRESYNC commands.
	8.5.4	V1.10 - V2.3	-	✓	✓	64 JNLGs per EXCTG FAST for the copy pace of ShadowImage
	8.6.0	V1.11 - V2.3	-	✓	✓	Multiple subchannel sets function
	8.6.2	V1.11 - V2.3	-	✓	-	Added new options to YKMAKE command, YKRESYNC command, YKDELETE command and YKEWAIT command.
	8.6.4	V1.11 - V2.3	-	✓	✓	zHyperWrite in a 3DC Cascade (TCxUR) configuration (without Delta Resync). Removed restrictions on pair definitions in Multiple subchannel sets environment..
	9.1.0	V1.11 - V2.4	✓	✓	✓	
CSM	6.1	V2.1 - V2.3	✓	✓	✓	
	6.2	V2.3	✓	✓	✓	

Notes:

*1: Not supported with microcode V04. Use a microcode version earlier or later than V04

*2:

*3: Direct connect is supported

*4: To use the Erase-On-Scratch function, use Raid-Microcode V02+1(80-02-46-00/00)/V03(80-03-02-00/00) or later, or apply APAR OA48276/PTF UA80991

*5: z/OS V2.2, Hyperpav alias volume is not recognized with Vary Device Online. To use Hyperpav, apply APAR OA49635/PTF UA80991.

RAID (VSP 5x00 G1x00, F1500, VSP, USP-V) Switch support for Mainframe Systems

Brocade							
CHL Type	Driver	Model	Firmware Version	5500, 5100	F1500, G1x00	VSP	notes
FICON/FICON EX/FICON EX2	67/76/79	DCX DCX-4S 5100	V7.4.0a, V7.4.1b, V7.4.1d , V7.4.2a, V7.4.2a1	-	-	✓	
FICON EX4	67/76/79/86			-	-	✓	
FICON EX8	76/79/86/93			✓	✓	✓	
FICON EX8S	93/12/15			✓	✓	✓	
FICON EX16S	22			✓	✓	✓	
	22/27			-	✓	✓	
FICON EX4	67/76/79/86	5300 7800	V7.4.0a, V7.4.1b, V7.4. 1d, V7.4.2a, V7.4.2a1	✓	✓	✓	
FICON EX8	76/79/86/93			✓	✓	✓	
FICON EX8S	93/12/15			✓	✓	✓	
FICON EX8S	22			✓	✓	✓	Submit ISR for VSP ficon EX8s driver 22 support
FICON EX16S	22/27			-	✓	✓	
FICON EX8S	93/12/15	6510 7840 DCX8510	V7.4.0a, V7.4.1b, V7.4.1d, V7.4.2a, V7.4.2a1, V8.0.1b, V8.0.2b, V8.0.2b2, V8.1.0c , V8.1.2a, V8.2.0a, V8.2.2a	-	-	✓	16Gb SFP: Use 80-04-01-00/00 or later when link speed 4gb is Fixed
	76/79/86/93			✓	✓	-	16M16 PCB: Use 80-04-01-00/00 or later when link speed 8 or 16gb is Fixed
FICON EX16S	22/27			✓	✓	✓	
FICON EX16S+	2/1/00			✓	✓	✓	
FICON EX16SA	41			✓	✓	✓	
FICON EX8S	76/79/86/93	G620 X6-8 X6-4	V8.10c, V8.1.2a, V8.2.0a, V8.2.2a	✓	✓	✓	
FICON EX16S	22/27			✓	✓	✓	
FICON EX16S+	32/36			✓	✓	✓	
FICON EX16SA	41			✓	✓	✓	
FICON EX16S FEC (Forward Error Correction)	22/27	6510 7840 DCX8510	V7.4.0a, V7.4.1b, V7.4.1d, V8.0.1b, V8.0.2b2, V8.1.0c , V8.1.2a, V8.2.0a, V8.2.2a	✓	✓	-	SVOS 7 required Port mode FEC/TTS disable
FICON EX16S+ FEC (Forward Error Correction)	32	G620 X6 X4	V8.1.0c, V8.1.2a, V8.2.0a, V8.2.2a	✓	✓	-	SVOS 7.2 required Port mode FEC/TTS disable

Cisco							
FICON EX4	67/76/79/86	MDS9513(8G)		✓	✓	✓	
FICON EX8	76/79/86/93	MDS9222i(8G)	V6.2(5a), V6.2(5b), V6.2(11c),	✓	✓	✓	
FICON EX8S	93/12/15/22	MDS9506(8G)	V6.2(11e)	✓	✓	✓	
FICON EX16S	22/27	MDS9509(8G)		-	✓	-	
FICON EX16S+	32			-	✓	-	
FICON EX16S	22/27	MDS9706 MDS9710 MDS9718 MDS9250i	V6.2(5a), V6.2(5b) V6.2(11c), V6.2(11d), V6.2(11e), V8.1(1a), V8.1(1b), V8.4(1a)	✓ ✓	✓ ✓	- ✓	16M16 PCB: Use SVOS 6.4 or later when link speed 4gb is Fixed V6.2(11d) supports 9250i only.
FICON EX16S+	32/36			✓	✓	✓	
FICON EX16S FEC (Forward Error Correction)	22/27	MDS9706 MDS9710	V8.1(1a), V8.1(1b), V8.4(1a)	✓	✓	-	SVOS 8.3 required Port mode FEC/TTS disable
FICON EX16S+ FEC (Forward Error Correction)	32	MDS9718 MDS9250i	V8.1(1a), V8.1(1b), V8.4(1a)	✓	✓	-	SVOS 8.3 required Port mode FEC/TTS disable
Direct Connect							
CHL Type	Driver	Connection		5500, 5100	F1500, G1x00	VSP	notes
FICON EX4	67/76/79/86	Direct Connect		✓	✓	✓	
FICON EX8	76/79/86/93	Direct Connect		✓	✓	✓	
FICON EX8S	93/12/15/22	Direct Connect		✓	✓	✓	
FICON EX16S	22/27	Direct Connect		✓	✓	✓	VSP: Link speed is 8Gbps after auto-negotiation
FICON EX16S+	32/36	Direct Connect		✓	✓	✓	G1x00/F1500: SVOS 7.2 or later required VSP: V06 level or later 5x00: SVOS 9.1.2 or later
FICON EX16SA	41	Direct Connect		✓	✓	✓	