



VSP G1x00 F1500 Gxx0 Fxx0

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 HDS-supported solution.

Please refer to other additional support matrix for details on version support for : e.g: Symantec for DMP and VCS, HDLM, UVM for supported external storage, storage interoperability for supported switch and HBA, 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.

- Gxx0 refers to : G900,G800,G700, G600, G400,G370,G350 and G200**
- Fxx0 refers to : F900,F800, F700,F600, F400,F370,F350**
- G1x00 refers to : G1500 and G1000**

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VSP G1x00 F1500 Gxx0 Fxx0 support for Global-Active Devices

OS/Platform	Version	Server Configuration	G1x00, F1500, Gxx0, Fxx0 Multi-path support				Notes
			Native MP	Native MP + ALUA	HDLIM *1	VxVM-DMP	
Vmware	6.0 U2 - U3 6.5, 6.5 U1 - U3 6.7 - 6.7U3	Non-Cluster	✓	✓	✓	-	KB2145663 is required for 6.0 U2 GAD over iSCSI is supported
		VMware HA vMotion	✓		✓	-	KB2145663 is required for 6.0 U2
		vSphere vMSC	✓		✓	-	KB2145663 is required for 6.0 U2 Stretched cluster with both FC and iSCSI ESXi hosts is supported
	7.0 - 7.0 U1	Non-Cluster	✓		✓		
		VMware HA vMotion	✓		✓		
AIX	6.1 - 6.1 TL09	Non-Cluster	✓	✓	✓	Submit ISR	AIX 6.1 TL09 or later is required for ALUA
		HACMP /PowerHA	✓		✓	Submit ISR	
		VCS	✓		-	✓	
	7.1 - 7.1 TL05	Non-Cluster	✓	✓	✓	Submit ISR	AIX7.1 TL03 or later is required for ALUA.
		HACMP /PowerHA	✓		Submit ISR	Submit ISR	GPFS 4.2 , 5.0 are supported
		VCS	✓		Submit ISR	Submit ISR	
	7.2 - 7.2 TL04	Non-Cluster	✓	✓	✓	Submit ISR	GPFS 4.2 , 5.0 are supported
		HACMP /PowerHA	✓		✓	Submit ISR	
		VCS	✓		Submit ISR	✓	
VIOS	2.2.0, 2.2.3.0 - 2.2.4, 2.2.6	Non-Cluster	✓	✓	Submit ISR	Submit ISR	IBMI aka AS/400 is supported as guest to VIOS.
	3.1.1.25	Non-Cluster	✓	✓	✓	Submit ISR	
Windows	2008 R2 SP1	Non-Cluster	✓	✓	✓	✓	
		MSFC	✓		✓	✓	
		VCS	✓		✓	✓	
	2012 R2	Non-Cluster	✓	✓	✓	✓	
		MSFC	✓		✓	Submit ISR	
		VCS	-		-	✓	
	2016	Non-Cluster	✓	✓	✓	✓	
		MSFC	✓		✓	Submit ISR	
	2019	Non-Cluster	✓	✓	✓	✓	
		MSFC	✓		✓	Submit ISR	
Red Hat Linux	6.0 - 6.10	Non-Cluster	✓	✓	✓	✓	GPFS 4.2 , 5.0 are supported
		Red Hat Cluster	✓		✓	-	
		Rose HA 10.0	✓		-	-	
		HA Monitor	✓		-	-	
	7.0 - 7.8	VCS	-	-	✓		
		Non-Cluster	✓	✓*	✓	✓	GPFS 4.2 , 5.0 are supported
		Red Hat Cluster	✓		✓	-	*For ALUA with RHEL 7.5, set multipath.conf values: hardware_handler '0', prio_args 'alua'
		Rose HA 10.0	✓		-	-	
VCS	✓	-	✓				
HP-UX	11i V2	Non-Cluster	✓	submit ISR	Not supported	Submit ISR	support for campus configuraton only
		MC/SG	✓		Not supported	Submit ISR	
		VCS	-		Not supported	✓	
	11i V3	Non-Cluster	✓	✓	Not supported	✓	HP-UX11iV3 2008/03 or later is required for ALUA
		MC/SG	✓		Not supported	✓	
		VCS	✓		Not supported	✓	
Solaris (SPARC)	11.1 - 11.4	Non-Cluster	✓	✓*	✓	✓	* ALUA supported on Solaris 11.4
		Sun Cluster	✓		✓	Submit ISR	
		VCS	Submit ISR		Submit ISR	✓	
Solaris (X64)	11.1 - 11.4	Non-Cluster	✓	✓*	Not supported	Submit ISR	* ALUA supported on Solaris 11.4
		Sun Cluster	✓		Not supported	Submit ISR	

OS/Platform	Version	Server Configuration	G1x00, F1500, Gxx0, Fxx0 Multi-path support				Notes
			Native MP	Native MP + ALUA	HDLM *1	VxVM-DMP	
SUSE Linux	11 - 11 SP4	Non-Cluster	✓	✓	Submit ISR	✓	
		Suse HA	✓		Submit ISR	Submit ISR	
		VCS	Submit ISR		Submit ISR	✓	
	12 - 12 SP3	Non-Cluster	✓	✓	Submit ISR	✓	
		Suse HA	✓		Submit ISR	Submit ISR	
	15 - 15 SP1	Non-Cluster	✓	✓	Submit ISR	Submit ISR	
Suse HA		✓	✓	Submit ISR	Submit ISR		
Oracle Linux	6 - 6.9	Non-Cluster	✓	submit ISR	Submit ISR	✓	
		VCS	Submit ISR		Submit ISR	✓	
Oracle Linux	7.3 - 7.6	Non-Cluster	✓	✓	✓	Submit ISR	Oracle RAC 12.2 is supported
Oracle VM	3.4.2 - 3.4.6	Non-Cluster	✓	✓	Submit ISR	Submit ISR	Oracle RAC 11g, 12c, 19C, OCFS2 are supported
XENServer	6.5	Non-Cluster	✓	✓	Submit ISR	Submit ISR	
	7.4	Non-Cluster	✓	✓	Submit ISR	Submit ISR	
	8.1	Non-Cluster	✓	Submit ISR	Submit ISR	Submit ISR	
HNAS	4040,4060,4080,4100	Single Node	✓	submit ISR	-	-	NASOS 12.4.x or later
		Cluster/Stretched Cluster	✓		-	-	NASOS 12.4.x or later

*1 Optimization/Non Optimization setting of alternate paths with HDLM is supported with HDLM Ver8.0.1 and later.

*2 Apply SP1 and hotfix KB2754704 on Windows 2008 R2 when using with MPIO & DMP

3 **Important:** Please refer to the user matrix "G1x00,F1500,Gxx0 TC_HUR_GAD_Replication intermix matrix" for supported storage models intermixes for GAD in 2DC and GAD + HUR in 3DC configuration

4 EOSL Oses such as Solaris 10, RHEL 5 require Vendors' extended support

5 Notes when using MPIO for version of windows from 2012-2019,:

[http://technet.microsoft.com/en-us/library/ee619749\(v=ws.10\).aspx](http://technet.microsoft.com/en-us/library/ee619749(v=ws.10).aspx)

-Set PathVerifyEnabled to 1.

-Set UseCustomPathRecoveryInterval to 1

-Set a value smaller than PDORemovePeriod (for example, 15) to

PathRecoveryInterval. Example:

PathVerifyEnabled = 1 (Default: 0)

UseCustomPathRecoveryInterval = 1 (Default: 0)

PathRecoveryInterval = 15 (Default:40)

PDORemovePeriod = 20 (Default:20)

Carefully edit the registry: refer to <http://support.microsoft.com/kb/136393>

6 VMWare guest OS clusters using SCSI reserve are only supported with "straight path"