



# IBM System Storage DS5000 series Interoperability Matrix

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To take full advantage of the constant improvements in the IBM System Storage DS5000 series firmware, you should upgrade to the latest code levels as soon as it is available. The latest code levels are available by selecting the Product Support link from the appropriate DS5000 series model page located at: <http://www-1.ibm.com/servers/storage/disk/index.html>

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## System Storage Interoperation Center (SSIC)

For your reference, the following DS5100 and DS5300 interoperability summary information was taken from the Storage Interoperation Center (SSIC) database.

For specific details on supported host servers, operating systems, mutipathing software, clustering software and HBA/SAN, please go to the System Storage Interoperation Center (SSIC) web site: <http://www-03.ibm.com/systems/support/storage/config/ssic>

The SSIC lists interoperability for various release levels of firmware on the DS5000 family. It also has details on operating system service pack levels that have been tested with the DS5000 products.

## Minimum Server Hardware Requirements

Server Type	Processor	Memory
Intel Compatible Servers	Pentium II 450MHz and above, includes Intel based servers, AMD based servers, and servers manufactured by Sun for Solaris x86	512MB
SUN	250MHz SPARC	1GB
HP PA-RISC	440 MHz	1GB
IBM pSeries	All pSeries, RS/6000, RS/6000 SP servers, and Open Power series servers	

## What's New in the DS5000 Interop Matrix

update highlights - DS5100 and DS5300 FW 7.50 Support:

- Refreshed list of SAN Switches table.
- Updated list of Operating Systems and their Versions.
- Updated VMware list of guest Operating Systems supported.

### DS5100 and DS5300 FW 7.50 Supported SAN Switches

SAN		
IBM F08 (3534-F08)	McDATA ED-6064 (2032-064)	Qlogic SANBox 5200
IBM F16 (2109-F16)	McDATA ES-3016 (2031-016)	Qlogic SANBox 5602
IBM F32 (2109-F32)	McDATA ES-3032 (2031-032)	Qlogic SANBox 5802
IBM H08 (2005-H08)	McDATA ES-3216 (2031-216)	Qlogic SANBox 9000
IBM H16 (2005-H16)	McDATA ES-3232 (2031-232)	
IBM M12 (2109-M12)	McDATA Intrepid 6140 (2032-140)	
IBM M14 (2109-M14)	McDATA Sphereon 4300 (2034-212)	
IBM SAN04B-R (2005-R04)	McDATA Sphereon 4500 (2031-224)	
IBM SAN04M-R (2027-R04)	Cisco MDS 9020 (2061-420)	
IBM SAN12M-1 (2026-E12)	Cisco MDS 9120 (2061-020)	
IBM SAN140M (2027-140)	Cisco MDS 9124 (2053-424)	
IBM SAN16B-2 (2005-B16)	Cisco MDS 9124 (2417-C24)	
IBM SAN16B-R (2109-A16)	Cisco MDS 9134 (2053-434)	
IBM SAN16M-2 (2026-416)	Cisco MDS 9134 (2053-S34)	
IBM SAN16M-R (2027-R16)	Cisco MDS 9140 (2061-040)	
IBM SAN24B-4 (2498-B24)	Cisco MDS 9216A (2062-D1A)	
IBM SAN24B-4 Express (2498-24E)	Cisco MDS 9216i (2062-D1H)	
IBM SAN24M-1 (2026-224)	Cisco MDS 9222i (2054-E01)	
IBM SAN256B (2109-M48)	Cisco MDS 9506 (2054-E04)	
IBM SAN256M (2027-256)	Cisco MDS 9506 (2062-D04)	
IBM SAN32B-2 (2005-B32)	Cisco MDS 9506 (2062-T04)	
IBM SAN32B-3 (2005-B5K)	Cisco MDS 9509 (2054-E07)	
IBM SAN32M-1 (2027-232)	Cisco MDS 9509 (2062-D07)	
IBM SAN32M-2 (2026-432)	Cisco MDS 9509 (2062-T07)	
IBM SAN40B-4 (2498-B40)	Cisco MDS 9513 (2054-E11)	
IBM SAN64B-2 (2005-B64)	Cisco MDS 9513 (2062-E11)	
IBM SAN768B (2499-384)		
IBM SAN80B-4 (2498-B80)		
IBM SAN10Q-2 (6918-10X)		

# IBM System Storage DS5000 Interoperability Matrix DS5100 and DS5300 FW 7.50 Support with System p

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note	
System p Compatible Servers	6,7	IBM AIX 5.2 TL10	5,2				MPIO		12,13	FC 5716	SAN Boot		57	
							RDAC		12,13	FC 5758	SVC	4.2.1.5	52	
							SDD Path Control Module (SDD PCM)	2.4.0.0	12	FC 5759	SVC	4.3.0	52	
										FC 6228	Expansion Unit 5000		5	
										FC 6239	Expansion Unit 810		5	
											Storage Manager (SM)	10.50		
											Flash Copy			
											Volume Copy			
											Remote Volume Mirroring			
											SAN Boot			
System p Compatible Servers	6,7	IBM AIX 5.3 TL8	5	IBM PowerHA (formerly HACMP)	5.3	48	MPIO		12,13	FC 5716	SAN Boot		57	
							RDAC		12,13	FC 5758	SVC	4.2.1.5	52	
							SDD Path Control Module (SDD PCM)	2.4.0.0	12	FC 5759	SVC	4.3.0	52	
										FC 5773	Expansion Unit 5000		5	
										FC 5774	Expansion Unit 810		5	
										FC 6228	Storage Manager (SM)	10.50		
										FC 6239	Flash Copy			
										FC 5735	Volume Copy			
											Remote Volume Mirroring			
											SAN Boot			
System p Compatible Servers	6,7	Red Hat Enterprise Linux 5.2	5	RHEL Native Cluster	5.2		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot		57	
										FC 5759	SVC	4.2.1.5	52	
										FC 5773	SVC	4.3.0	52	
										FC 5774	Expansion Unit 5000		5	
										FC 5735	Expansion Unit 810		5	
											Storage Manager (SM)	10.50		
											Flash Copy			
											Volume Copy			
											Remote Volume Mirroring			
											SAN Boot			
System p Compatible Servers	6,7	Red Hat Enterprise Linux 5.3	5,59	RHEL Native Cluster	5.3		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot		57	
										FC 5759	SVC	4.2.1.5	52	
										FC 5773	SVC	4.3.0	52	
										FC 5774	Expansion Unit 5000		5	
										FC 5735	Expansion Unit 810		5	
											Storage Manager (SM)	10.50		
											Flash Copy			
											Volume Copy			
											Remote Volume Mirroring			
											SAN Boot			
System p Compatible Servers	6,7	Novell SUSE SLES 10 SP2	5	LifeKeeper	6.2.0		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot		57	
										FC 5759	SVC	4.2.1.5	52	
										FC 5773	SVC	4.3.0	52	
										FC 5774	Expansion Unit 5000		5	
										FC 5777	Expansion Unit 810		5	
										FC 5735	Storage Manager (SM)	10.50		
											Flash Copy			
											Volume Copy			
											Remote Volume Mirroring			
											SAN Boot			
System p Compatible Servers	6,7	Novell SUSE SLES 9 SP4	5	LifeKeeper	6.2.0		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot		57	
										FC 5759	SVC	4.2.1.5	52	
										FC 5773	SVC	4.3.0	52	
										FC 5774	Expansion Unit 5000		5	
										FC 577D	Expansion Unit 810		5	
										FC 5735	Storage Manager (SM)	10.50		
											Flash Copy			
											Volume Copy			
											Remote Volume Mirroring			
											SAN Boot			
System p Compatible Servers	6,7	IBM VIOS 1.5.2 w/client AIX 5.3	5,49				RDAC	6.1.2.0		FC 5758	SAN Boot		57	
							MPIO	6.1.2.0		FC 5759	SVC	4.2.1.5	52	
							IBM VIOS 1.5.2 w/client AIX 6.1	5,49			FC 5773	SVC	4.3.0	52
							IBM VIOS 1.5.2 w/client IBM i 6.1	5,49			FC 5774	Expansion Unit 5000		5
							IBM VIOS 1.5.2 w/client RHEL 4.7	5,49			FC 5774	Expansion Unit 810		5
							IBM VIOS 1.5.2 w/client RHEL 5.2	5,49			FC 5735	Expansion Unit 810		5
							IBM VIOS 1.5.2 w/client RHEL 5.3	5,49				Storage Manager (SM)	10.50	
							IBM VIOS 1.5.2 w/client SLES 10 SP2	5,49				Flash Copy		
							IBM VIOS 1.5.2 w/client SLES 9 SP4	5,49				Volume Copy		
							IBM VIOS 2.1 w/client AIX 5.3 TL8	5,49				Remote Volume Mirroring		
							IBM VIOS 2.1 w/client AIX 5.3 TL9	5,49, 55, 18						
							IBM VIOS 2.1 w/client AIX 6.1 TL1	5,49						
							IBM VIOS 2.1 w/client AIX 6.1 TL2	5,49, 55, 18						
							IBM VIOS 2.1 w/client IBM i 6.1	5,49						
							IBM VIOS 2.1 w/client RHEL 4.7	5,49						
							IBM VIOS 2.1 w/client RHEL 5.2	5,49						
							IBM VIOS 2.1 w/client RHEL 5.3	5,49						
							IBM VIOS 2.1 w/client SLES 10 SP2	5,49						
							IBM VIOS 2.1 w/client SLES 9 SP4	5,49						

DS5100 and DS5300 FW 7.50 Support with System p Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
IBM Power 595		IBM AIX 5.3 TL8	15	IBM PowerHA (formerly HACMP)	5.3	48	MPIO		14	FC 5716	SAN Boot		57
		IBM AIX 5.3 TL9	15	IBM PowerHA (formerly HACMP)	5.4.1	48	RDAC		14	FC 5758	SVC	4.2.1.5	52
					IBM PowerHA (formerly HACMP)	5.5	48	SDD Path Control Module (SDD PCM)	2.4.0.0	FC 5759	SVC	4.3.0	52
										FC 5773	Expansion Unit 5000		5
										FC 5774	Expansion Unit 810		5
										FC 6228	Storage Manager (SM)	10.50	
										FC 6239	Flash Copy		
										FC 5735	Volume Copy		
											Remote Volume Mirroring		
	IBM Power 595		IBM AIX 6.1 TL1	15.4	IBM PowerHA (formerly HACMP)	5.3	48	MPIO		17	FC 5716	SAN Boot	
IBM AIX 6.1 TL2			15	IBM PowerHA (formerly HACMP)	5.4.1	48	RDAC		17	FC 5758	SVC	4.2.1.5	52
					IBM PowerHA (formerly HACMP)	5.5	48	SDD Path Control Module (SDD PCM)	2.4.0.0	FC 5759	SVC	4.3.0	52
										FC 5773	Expansion Unit 5000		5
										FC 5774	Expansion Unit 810		5
										FC 6228	Storage Manager (SM)	10.50	
										FC 6239	Flash Copy		
										FC 5735	Volume Copy		
											Remote Volume Mirroring		
IBM Power 595			Red Hat Enterprise Linux 4.7	15	RHEL Native Cluster	4.7		RDAC	MPP-09.03.0B05.0042		FC 5716	SAN Boot	
				LifeKeeper	6.2.0					FC 5758	SVC	4.2.1.5	52
										FC 5759	SVC	4.3.0	52
										FC 5774	Expansion Unit 5000		5
										FC 5735	Expansion Unit 810		5
											Storage Manager (SM)	10.50	
											Flash Copy		
											Volume Copy		
											Remote Volume Mirroring		
	IBM Power 595		Red Hat Enterprise Linux 5.2	15	RHEL Native Cluster	5.2		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot	
				LifeKeeper	6.2.0					FC 5759	SVC	4.2.1.5	52
					LifeKeeper	6.1.5				FC 5773	SVC	4.3.0	52
					Cluster Suite	6.1.5				FC 5774	Expansion Unit 5000		5
										FC 5735	Expansion Unit 810		5
											Storage Manager (SM)	10.50	
											Flash Copy		
											Volume Copy		
											Remote Volume Mirroring		
IBM Power 595			Red Hat Enterprise Linux 5.3	15, 59	RHEL Native Cluster	5.3		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot	
				LifeKeeper	6.2.0					FC 5759	SVC	4.2.1.5	52
					LifeKeeper	6.1.5				FC 5773	SVC	4.3.0	52
					Cluster Suite	6.1.5				FC 5774	Expansion Unit 5000		5
										FC 5735	Expansion Unit 810		5
											Storage Manager (SM)	10.50	
											Flash Copy		
											Volume Copy		
											Remote Volume Mirroring		
	IBM Power 595		Novell SUSE SLES 10 SP2	15	LifeKeeper	6.2.0		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot	
				LifeKeeper	6.1.5					FC 5759	SVC	4.2.1.5	52
										FC 5773	SVC	4.3.0	52
										FC 5774	Expansion Unit 5000		5
										FC 5774	Expansion Unit 810		5
										FC 5735	Storage Manager (SM)	10.50	
											Flash Copy		
											Volume Copy		
											Remote Volume Mirroring		
IBM Power 595			Novell SUSE SLES 9 SP4	15	LifeKeeper	6.2.0		RDAC	MPP-09.03.0B05.0042		FC 5758	SAN Boot	
				LifeKeeper	6.1.5					FC 5759	SVC	4.2.1.5	52
										FC 5773	SVC	4.3.0	52
										FC 5774	Expansion Unit 5000		5
										FC 5774	Expansion Unit 810		5
										FC 5735	Storage Manager (SM)	10.50	
											Flash Copy		
											Volume Copy		
											Remote Volume Mirroring		

IBM System Storage DS5000 Interoperability Matrix  
 DS5100 and DS5300 FW 7.50 Support with System p Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
IBM Power 595		IBM VIOS 1.5.2 w/client AIX 5.3	15,49				RDAC	6.1.2.0		FC 5758	SAN Boot		57
		IBM VIOS 1.5.2 w/client AIX 6.1	15,49				MPIO	6.1.2.0		FC 5759	SVC	4.2.1.5	52
		IBM VIOS 1.5.2 w/client IBM i 6.1	15,49							FC 5773	SVC	4.3.0	52
		IBM VIOS 1.5.2 w/client RHEL 4.7	15,49							FC 5774	Expansion Unit 5000		5
		IBM VIOS 1.5.2 w/client RHEL 5.2	15,49							FC 5735	Expansion Unit 810		5
		IBM VIOS 1.5.2 w/client RHEL 5.3	15,49								Storage Manager (SM)	10.50	
		IBM VIOS 1.5.2 w/client SLES 10 SP2	15,49								Flash Copy		
		IBM VIOS 1.5.2 w/client SLES 9 SP4	15,49								Volume Copy		
		IBM VIOS 2.1 w/client AIX 5.3 TL8	15,49								Remote Volume Mirroring		
		IBM VIOS 2.1 w/client AIX 5.3 TL9	15,49, 55, 18										
		IBM VIOS 2.1 w/client AIX 6.1 TL1	15,49										
		IBM VIOS 2.1 w/client AIX 6.1 TL2	15,49, 55, 18										
		IBM VIOS 2.1 w/client IBM i 6.1	15,49										
		IBM VIOS 2.1 w/client RHEL 4.7	15,49										
		IBM VIOS 2.1 w/client RHEL 5.2	15,49										
		IBM VIOS 2.1 w/client RHEL 5.3	15,49										
		IBM VIOS 2.1 w/client SLES 10 SP2	15,49										
		IBM VIOS 2.1 w/client SLES 9 SP4	15,49										
IBM Power 570		IBM AIX 5.2 TL10	15,2				MPIO			21.13	FC 5716	SAN Boot	57
IBM Power 550							RDAC			21.13	FC 5758	SVC	4.2.1.5
IBM Power 520							SDD Path Control Module (SDD PCM)	2.4.0.0		21	FC 5759	SVC	4.3.0
											FC 6228	Expansion Unit 5000	5
											FC 6239	Expansion Unit 810	5
												Storage Manager (SM)	10.50
												Flash Copy	
												Volume Copy	
												Remote Volume Mirroring	

IBM Power 570		IBM AIX 5.3 TL8	15	IBM PowerHA (formerly HACMP)	5.3	48	MPIO			21.14	FC 5716	SAN Boot	57
IBM Power 550		IBM AIX 5.3 TL9	15	IBM PowerHA (formerly HACMP)	5.4.1	48	RDAC			21.14	FC 5758	SVC	4.2.1.5
IBM Power 520				IBM PowerHA (formerly HACMP)	5.5	48	SDD Path Control Module (SDD PCM)	2.4.0.0		21	FC 5759	SVC	4.3.0
											FC 5773	Expansion Unit 5000	5
											FC 5774	Expansion Unit 810	5
											FC 6228	Storage Manager (SM)	10.50
											FC 6239	Flash Copy	
											FC 5735	Volume Copy	
												Remote Volume Mirroring	
IBM Power 570		IBM AIX 6.1 TL1	15,4	IBM PowerHA (formerly HACMP)	5.3	48	MPIO			21.17	FC 5716	SAN Boot	57
IBM Power 550		IBM AIX 6.1 TL2	15	IBM PowerHA (formerly HACMP)	5.4.1	48	RDAC			21.17	FC 5758	SVC	4.2.1.5
IBM Power 520				IBM PowerHA (formerly HACMP)	5.5	48	SDD Path Control Module (SDD PCM)	2.4.0.0		21	FC 5759	SVC	4.3.0
											FC 5773	Expansion Unit 5000	5
											FC 5774	Expansion Unit 810	5
											FC 6228	Storage Manager (SM)	10.50
											FC 6239	Flash Copy	
											FC 5735	Volume Copy	
												Remote Volume Mirroring	
IBM Power 570		Red Hat Enterprise Linux 4.7	15	RHEL Native Cluster	4.7		RDAC	MPP-09.03.0B05.0042			FC 5716	SAN Boot	57
IBM Power 550				LifeKeeper	6.2.0						FC 5758	SVC	4.2.1.5
IBM Power 520											FC 5759	SVC	4.3.0
											FC 5774	Expansion Unit 5000	5
											FC 5735	Expansion Unit 810	5
												Storage Manager (SM)	10.50
												Flash Copy	
												Volume Copy	
												Remote Volume Mirroring	
IBM Power 570		Red Hat Enterprise Linux 5.2	15	RHEL Native Cluster	5.2		RDAC	MPP-09.03.0B05.0042			FC 5758	SAN Boot	57
IBM Power 550				LifeKeeper	6.2.0						FC 5759	SVC	4.2.1.5
IBM Power 520				LifeKeeper	6.1.5						FC 5773	SVC	4.3.0
				Cluster Suite	6.1.5						FC 5774	Expansion Unit 5000	5
											FC 5735	Expansion Unit 810	5
												Storage Manager (SM)	10.50
												Flash Copy	
												Volume Copy	
												Remote Volume Mirroring	



## DS5100 and DS5300 FW 7.50 Support with System p Continued...

## NOTES:

Note	Note Text
2	DVE support for AIX requires AIX 5.2 or later
3	Dynamic function support is not available for SUSE Linux Enterprise Server 8 for pSeries.
4	DVE is not supported by SAN Volume Controller
5	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
6	System p support includes Open Power series servers.
7	"Intermix Activation" feature must be applied when DS4700 disk array system includes both Fibre Channel and SATA disk drive types, within the combination of DS4700 and attached EXP810, EXP710, EXP100 expansion units.
8	When a EXP700 is upgraded with fc#3501 or pn:25R0166, it is supported in the same manner as a EXP710
9	Provides Metro Mirror, Global Copy, and Global Mirror capabilities
10	SAN Boot support for other operating systems not listed is via the RPQ process
12	RDAC multipathing required for multipath configurations
13	With Patch-52S_DS345K.081020.epkg.Z
14	With Patch-iz49529.epkg
15	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
16	with Patch-iz49529.epkg
17	with Patch-iz49526.epkg
18	with Patch-IZ36221.081107.epkg.Z
23	Fix Pack 10.1 required
24	Supported on AIX levels : 6.1, 5.3 and 5.2
25	RDAC support only. No MPIIO support at this time.
32	Full SFRAC product including VCS clustering
33	Operating Systems: LoP: RH5.1, SLES10.1. MPIIO: AIX 5.3, AIX 6.1
45	Expansion Unit 420 is only supported on DS4200.
46	Supported AIX 5.2, 5.3, 6.1 SP2; RH 4.6, 5.1; SLES 9, 10.
48	MPIO and RDAC Only. No SDD support at this time
49	Refer to the following link for details on IBM VIOS: <a href="http://www14.software.ibm.com/webapp/set2/sas/f/vios/home.html">http://www14.software.ibm.com/webapp/set2/sas/f/vios/home.html</a> .
52	Refer to the following link for further details on IBM SVC <a href="http://www-03.ibm.com/systems/storage/software/virtualization/svc/">http://www-03.ibm.com/systems/storage/software/virtualization/svc/</a>
53	DS4000 and DS5000 family products can coexist on the same server.
57	Supported under the following operating systems (except for Veritas environment): AIX 5.2, AIX5.3, AIX 6.1, RedHat 4.7, RedHat 5.2, RedHat 5.3, SUSE 9, SUSE 9.4, SUSE 10.2, SUSE 11, Solaris 10, Solaris 9, Windows Server 2003, Windows Server 2008, VMWare ESX 3.5 U3, Microsoft Cluster Server for Windows Server 2003 and for Windows Server 2008, VIOS 2.1
58	Supported only in VIOS 2.1.0 at this time
59	No Direct Connect with Qlogic HBAs, QLE4060C, QLE4062C, QLA4050C, and QLA4052C at this time



IBM System Storage DS5000 Interoperability Matrix  
 DS5100 and DS5300 FW 7.50 Support with System i Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note	
System i Compatible Servers	6,7	IBM VIOS 1.5.2 w/client AIX 5.3	5,49				RDAC			FC 5758	Flash Copy			
		IBM VIOS 1.5.2 w/client AIX 6.1	5,49				MPIO			FC 5759	Volume Copy			
		IBM VIOS 1.5.2 w/client IBM i 6.1	5,49							FC 5773	Remote Volume Mirroring			
		IBM VIOS 1.5.2 w/client RHEL 4.7	5,49							FC 5774	SVC	4.2.1.5	52	
		IBM VIOS 1.5.2 w/client RHEL 5.2	5,49							FC 5735	SVC	4.3.0	52	
		IBM VIOS 1.5.2 w/client RHEL 5.3	5,49								Expansion Unit 5000		5	
		IBM VIOS 1.5.2 w/client SLES 10 SP2	5,49								Expansion Unit 810		5	
		IBM VIOS 1.5.2 w/client SLES 9 SP4	5,49								Storage Manager (SM)	10.50		
		IBM VIOS 2.1 w/client AIX 5.3 TL8	5,49								SAN Boot		57	
		IBM VIOS 2.1 w/client AIX 5.3 TL9	5,49,18											
		IBM VIOS 2.1 w/client AIX 6.1 TL1	5,49											
		IBM VIOS 2.1 w/client AIX 6.1 TL2	5,49,18											
		IBM VIOS 2.1 w/client IBM i 6.1	5,49											
		IBM VIOS 2.1 w/client RHEL 4.7	5,49											
		IBM VIOS 2.1 w/client RHEL 5.2	5,49											
		IBM VIOS 2.1 w/client RHEL 5.3	5,49											
		IBM VIOS 2.1 w/client SLES 10 SP2	5,49											
		IBM VIOS 2.1 w/client SLES 9 SP4	5,49											
		IBM VIOS 2.1 w/client IBM i 6.1	5,49,18											
	IBM Power 595		IBM AIX 5.3 TL8	15,1				MPIO			14	FC 5716	Flash Copy	
		IBM AIX 5.3 TL9	15				RDAC			14	FC 5758	Volume Copy		
							SDD Path Control Module (SDD PCM)	2.4.0.0			FC 5759	Remote Volume Mirroring		
											FC 5773	SVC	4.2.1.5	52
											FC 5774	SVC	4.3.0	52
											FC 5735	Expansion Unit 5000		5
											FC 6228	Expansion Unit 810		5
											FC 6239	Storage Manager (SM)	10.50	
												SAN Boot		57
IBM Power 595		IBM AIX 6.1 TL1	15,4				MPIO			14	FC 5716	Flash Copy		
		IBM AIX 6.1 TL2	15				RDAC			14	FC 5758	Volume Copy		
							SDD Path Control Module (SDD PCM)	2.4.0.0			FC 5759	Remote Volume Mirroring		
											FC 5773	SVC	4.2.1.5	52
											FC 5774	SVC	4.3.0	52
											FC 6228	Expansion Unit 5000		5
											FC 6239	Expansion Unit 810		5
												Storage Manager (SM)	10.50	
												SAN Boot		57
IBM Power 595		Red Hat Enterprise Linux 4.7	15	LifeKeeper	5.3		RDAC		MPP-09.03.0B05.0042		FC 5716	Flash Copy		
				LifeKeeper	6.2.1						FC 5758	Volume Copy		
				LifeKeeper	6.1.5						FC 5759	Remote Volume Mirroring		
				Cluster Suite	6.1.5						FC 5774	SVC	4.2.1.5	52
											FC 5735	SVC	4.3.0	52
												Expansion Unit 5000		5
												Expansion Unit 810		5
												Storage Manager (SM)	10.50	
											SAN Boot		57	
IBM Power 595		Red Hat Enterprise Linux 5.2	15	LifeKeeper	5.3		RDAC		MPP-09.03.0B05.0042		FC 5758	Flash Copy		
		Red Hat Enterprise Linux 5.3	15,59	LifeKeeper	6.2.1						FC 5759	Volume Copy		
											FC 5773	Remote Volume Mirroring		
											FC 5774	SVC	4.2.1.5	52
											FC 5735	SVC	4.3.0	52
												Expansion Unit 5000		5
												Expansion Unit 810		5
												Storage Manager (SM)	10.50	
											SAN Boot		57	

IBM System Storage DS5000 Interoperability Matrix  
 DS5100 and DS5300 FW 7.50 Support with System i Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note	
IBM Power 595		Novell SUSE SLES 10 SP2	15	LifeKeeper	5.3		RDAC			MPP-09.03.0B05.0042	FC 5758	Flash Copy		
				LifeKeeper	6.2.1						FC 5759	Volume Copy		
				LifeKeeper	6.1.5						FC 5773	Remote Volume Mirroring		
											FC 5774	SVC	4.2.1.5	52
												SVC	4.3.0	52
												Expansion Unit 5000		5
												Expansion Unit 810		5
											Storage Manager (SM)	10.50		
											SAN Boot		57	
IBM Power 595		IBM VIOS 1.5.2 w/client AIX 5.3	15,49				RDAC				FC 5758	Flash Copy		
		IBM VIOS 1.5.2 w/client AIX 6.1	15,49				MPIO				FC 5759	Volume Copy		
		IBM VIOS 1.5.2 w/client IBM i 6.1	15,49								FC 5773	Remote Volume Mirroring		
		IBM VIOS 1.5.2 w/client RHEL 4.7	15,49								FC 5774	SVC	4.2.1.5	52
		IBM VIOS 1.5.2 w/client RHEL 5.2	15,49								FC 5735	SVC	4.3.0	52
		IBM VIOS 1.5.2 w/client RHEL 5.3	15,49									Expansion Unit 5000		5
		IBM VIOS 1.5.2 w/client SLES 10 SP2	15,49									Expansion Unit 810		5
		IBM VIOS 1.5.2 w/client SLES 9 SP4	15,49									Storage Manager (SM)	10.50	
		IBM VIOS 2.1 w/client AIX 5.3 TL8	15,49									SAN Boot		57
		IBM VIOS 2.1 w/client AIX 5.3 TL9	15,49,18											
		IBM VIOS 2.1 w/client AIX 6.1 TL1	15,49											
		IBM VIOS 2.1 w/client AIX 6.1 TL2	15,49,18											
		IBM VIOS 2.1 w/client IBM i 6.1	15,49											
		IBM VIOS 2.1 w/client RHEL 4.7	15,49											
		IBM VIOS 2.1 w/client RHEL 5.2	15,49											
		IBM VIOS 2.1 w/client RHEL 5.3	15,49											
		IBM VIOS 2.1 w/client SLES 10 SP2	15,49											
		IBM VIOS 2.1 w/client SLES 9 SP4	15,49											
		IBM VIOS 2.1 w/client IBM i 6.1	15,49,18											
	IBM POWER 570 (9406-MMA)		IBM AIX 5.2 TL10	15,2				MPIO			21,13	FC 5716	Flash Copy	
IBM Power 520 (9407-M15)							RDAC			21,13	FC 5758	Volume Copy		
IBM Power 520 (9408-M25)							SDD Path Control Module (SDD PCM)	2.4.0.0		21	FC 5759	Remote Volume Mirroring		
IBM Power 550 (9409-M50)											FC 6228	SVC	4.2.1.5	52
											FC 6239	SVC	4.3.0	52
												Expansion Unit 5000		5
												Expansion Unit 810		5
												Storage Manager (SM)	10.50	
											SAN Boot		57	
IBM POWER 570 (9406-MMA)		IBM AIX 5.3 TL8	15,1				MPIO			21,14	FC 5716	Flash Copy		
IBM Power 520 (9407-M15)		IBM AIX 5.3 TL9	15				RDAC			21,14	FC 5758	Volume Copy		
IBM Power 520 (9408-M25)							SDD Path Control Module (SDD PCM)	2.4.0.0		21	FC 5759	Remote Volume Mirroring		
IBM Power 550 (9409-M50)											FC 5773	SVC	4.2.1.5	52
											FC 5774	SVC	4.3.0	52
											FC 5735	Expansion Unit 5000		5
											FC 6228	Expansion Unit 810		5
											FC 6239	Storage Manager (SM)	10.50	
											SAN Boot		57	



## DS5100 and DS5300 FW 7.50 Support with System i Continued...

## NOTES:

Note	Note Text
1	TL5 or later only
2	DVE support for AIX requires AIX 5.2 or later
3	Dynamic function support is not available for SUSE Linux Enterprise Server 8 for pSeries.
4	DVE is not supported by SAN Volume Controller
5	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
6	System i support includes Open Power series servers.
7	"Intermix Activation" feature must be applied when DS4700 disk array system includes both Fibre Channel and SATA disk drive types, within the combination of DS4700 and attached EXP810, EXP710, EXP100 expansion units.
9	Provides Metro Mirror, Global Copy, and Global Mirror capabilities
10	SAN Boot support for other operating systems not listed is via the RPQ process
12	RDAC multipathing required for multipath configurations
13	With Patch-52S_DS345K.081020.epkg.Z
14	With Patch-iz49529.epkg
15	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
16	AIX 6.1 Service Pack 2 required
16	with Patch-iz49529.epkg
17	with Patch-iz49526.epkg
18	with Patch-IZ36221.081107.epkg.Z
20	eFix IZ13627 required after installing AIX 6.1 and Service Pack 2
21	NVRAM change required to support MPIO - Reference instructions in required eFix
23	Fix Pack 10.1 required
24	Supported on AIX levels : 6.1, 5.3 and 5.2
25	RDAC support only. No MPIO support at this time.
32	Full SFRAC product including VCS clustering
33	Operating Systems: LoP: RH5.1, SLES10.1, MPIO: AIX 5.3, AIX 6.1
45	Expansion Unit 420 is only supported on DS4200.
48	MPIO only. No RDAC support at this time
49	Refer to the following link for details on IBM VIOS: <a href="http://www14.software.ibm.com/webapp/set2/sas/f/vios/home.html">http://www14.software.ibm.com/webapp/set2/sas/f/vios/home.html</a> .
52	Refer to the following link for further details on IBM SVC <a href="http://www-03.ibm.com/systems/storage/software/virtualization/svc/">http://www-03.ibm.com/systems/storage/software/virtualization/svc/</a>
53	DS4000 and DS5000 family products can coexist on the same server.
57	Supported under the following operating systems (except for Veritas environment): AIX 5.2, AIX5.3, AIX 6.1, RedHat 4.7, RedHat 5.2, RedHat 5.3, SUSE 9, SUSE 9.4, SUSE 10.2, SUSE 11, Solaris 10, Solaris 9, Windows Server 2003, Windows Server 2008, VMWare ESX 3.5 U3, Microsoft Cluster Server for Windows Server 2003 and for Windows Server 2008, VIOS 2.1
58	Supported only in VIOS 2.1.0 at this time
59	No Direct Connect with Qlogic HBAs, QLE4060C, QLE4062C, QLA4050C, and QLA4052C at this time

## DS5100 and DS5300 FW 7.50 Support with Power Servers

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
IBM Power 595 (9119-FHA)		IBM AIX 5.3 TL8	15.1	Veritas Cluster Server	4.0		MPIO		21,14	FC 5716	Flash Copy		
IBM Power 520 (8203-E4A)		IBM AIX 5.3 TL9	15	Veritas Cluster Server	5.0		RDAC		21,14	FC 5758	Volume Copy		
IBM Power 550 (8204-E8A)				Veritas Storage Foundation for Oracle RAC (SFRAC)	5.0		SDD Path Control Module (SDD PCM)	2.4.0.0	21	FC 5759	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)										FC 5773	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)										FC 5774	Expansion Unit 5000		5
										FC 5735	Expansion Unit 810 Storage Manager (SM)	10.5	5
IBM Power 595 (9119-FHA)		IBM AIX 6.1 TL1	15.4.8	Veritas Cluster Server	5.0		MPIO		21,17	FC 5716	Flash Copy		
IBM Power 520 (8203-E4A)		IBM AIX 6.1 TL2	15	Veritas Storage Foundation for Oracle RAC (SFRAC)	5.0		RDAC		21,17	FC 5758	Volume Copy		
IBM Power 550 (8204-E8A)							SDD Path Control Module (SDD PCM)	2.4.0.0	21	FC 5759	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)										FC 5773	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)										FC 5774	Expansion Unit 5000		5
										FC 5735	Expansion Unit 810 Storage Manager (SM)	10.5	5
IBM Power 595 (9119-FHA)		Red Hat Enterprise Linux 4.6	15	LifeKeeper	5.3		RDAC	MPP-09.03.B5.13		FC 5716	Flash Copy		
IBM Power 520 (8203-E4A)		Red Hat Enterprise Linux 4.7	15	LifeKeeper	6.02					FC 5758	Volume Copy		
IBM Power 550 (8204-E8A)										FC 5759	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)										FC 5774	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)										FC 5735	Expansion Unit 5000		5
											Expansion Unit 810 Storage Manager (SM)	10.5	5
IBM Power 595 (9119-FHA)		Red Hat Enterprise Linux 5.2	15	LifeKeeper	5.3		RDAC	MPP-09.03.B5.13		FC 5758	Flash Copy		
IBM Power 520 (8203-E4A)				LifeKeeper	6.02					FC 5759	Volume Copy		
IBM Power 550 (8204-E8A)				LifeKeeper	6.1.5					FC 5773	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)				Cluster Suite	6.1.5					FC 5774	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)										FC 5735	Expansion Unit 5000		5
											Expansion Unit 810 Storage Manager (SM)	10.5	5
IBM Power 595 (9119-FHA)		Novell SUSE SLES 9 SP4		LifeKeeper	5.3		RDAC	MPP-09.03.B5.13		FC 5758	Flash Copy		
IBM Power 520 (8203-E4A)				LifeKeeper	6.02					FC 5759	Volume Copy		
IBM Power 550 (8204-E8A)				LifeKeeper	6.1.5					FC 5773	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)										FC 5774	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)										FC 5735	Expansion Unit 5000		5
											Expansion Unit 810 Storage Manager (SM)	10.5	5
IBM Power 595 (9119-FHA)		Novell SUSE SLES 10 SP2	15	LifeKeeper	5.3		RDAC	MPP-09.03.C5.13		FC 5758	Flash Copy		
IBM Power 520 (8203-E4A)				LifeKeeper	6.02					FC 5759	Volume Copy		
IBM Power 550 (8204-E8A)				LifeKeeper	6.1.5					FC 5773	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)										FC 5774	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)										FC 5735	Expansion Unit 5000		5
											Expansion Unit 810 Storage Manager (SM)	10.5	5
IBM Power 595 (9119-FHA)		IBM VIOS 1.5.2 w/client AIX 5.3 TL8	15.49							FC 5758	Flash Copy		
IBM Power 520 (8203-E4A)		IBM VIOS 1.5.2 w/client AIX 6.1 TL1	15.49							FC 5759	Volume Copy		
IBM Power 550 (8204-E8A)		IBM VIOS 1.5.2 w/client RHEL 5.2	15.49							FC 5773	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)		IBM VIOS 1.5.2 w/client SLES 10 SP2	15.49							FC 5774	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)		IBM VIOS 1.5.2 w/client IBM i 6.1	15.49								Expansion Unit 5000		5
											Expansion Unit 810 Storage Manager (SM)	10.5	5
IBM Power 595 (9119-FHA)		IBM VIOS 2.1 w/client AIX 5.3 TL8	15.49, 18							FC 5758	Flash Copy		
IBM Power 520 (8203-E4A)										FC 5759	Volume Copy		
IBM Power 550 (8204-E8A)										FC 5773	Remote Volume Mirroring		
IBM Power 560 (8234-EMA)										FC 5774	SVC	4.2.1.8 or later	52
IBM Power 570 (9117-MMA)										FC 5735	Expansion Unit 5000		5
											Expansion Unit 810 Storage Manager (SM)	10.5	5

## DS5100 and DS5300 FW 7.50 Support with Power Servers Continued...

## NOTES:

Note	Note Text
1	TL5 or later only
2	DVE support for AIX requires AIX 5.2 or later
3	Dynamic function support is not available for SUSE Linux Enterprise Server 8 for pSeries.
4	DVE is not supported by SAN Volume Controller
5	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
6	System i support includes Open Power series servers.
7	"Intermix Activation" feature must be applied when DS4700 disk array system includes both Fibre Channel and SATA disk drive types, within the combination of DS4700 and attached EXP810, EXP710, EXP100 expansion units.
8	When a EXP700 is upgraded with fc#3501 or pn.25R0166, it is supported in the same manner as a EXP710
9	Provides Metro Mirror, Global Copy, and Global Mirror capabilities
10	SAN Boot support for other operating systems not listed is via the RPQ process
12	RDAC multipathing required for multipath configurations
13	With Patch-52S_DS345K.081020.epkg.Z
14	With Patch-iz49529.epkg
15	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
16	with Patch-iz49529.epkg
17	with Patch-iz49526.epkg
18	with Patch-I236221.081107.epkg.Z
21	NVRAM change required to support MPIO - Reference instructions in required eFix
23	Fix Pack 10.1 required
24	Supported on AIX levels : 6.1, 5.3 and 5.2
25	RDAC support only. No MPIO support at this time.
32	Full SFRAC product including VCS clustering
33	Operating Systems. LoP: RH5.1, SLES10.1, MPIO: AIX 5.3, AIX 6.1
45	Expansion Unit 420 is only supported on DS4200.
48	MPIO only. No RDAC support at this time
49	Refer to the following link for details on IBM VIOS: <a href="http://www14.software.ibm.com/webapp/set2/sas/fvios/home.html">http://www14.software.ibm.com/webapp/set2/sas/fvios/home.html</a> ,
50	Supported on CL 07.36.12 or later
52	Refer to the following link for further details on IBM SVC <a href="http://www-03.ibm.com/systems/storage/software/virtualization/svc/">http://www-03.ibm.com/systems/storage/software/virtualization/svc/</a>
53	DS4000 and DS5000 family products can coexist on the same server.
55	If running NPIV refer to the multipathing document for detailed support. Customer is responsible for making sure that the multipathing is loaded in the client OS.
58	Supported only in VIOS 2.1.0 at this time
59	No Direct Connect with Qlogic HBAs, QLE4060C, QLE4062C, QLA4050C, and QLA4052C at this time



IBM System Storage DS5000 Interoperability Matrix  
 DS5100 and DS5300 FW 7.50 Support with BladeCenter Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
BladeCenter HS12 8014		VMware ESX 3.5 U4 w/guest Windows 2003	11,39	Cluster Service	29, 30	VMware ESX Server Failover with MRU policy		40	P/N 26R0890		VMware Site Recovery Manager (SRM)		60
BladeCenter HS12 8028		VMware ESX 3.5 U4 w/guest Windows 2008	11,39						P/N 26K4841				
BladeCenter HS20 8832		VMware ESX 3.5 U4 w/guest RHEL 5.2	11,39						P/N 26R0884				
BladeCenter HS20 8843		VMware ESX 3.5 U4 w/guest RHEL 4.7	11,39						P/N 13N2203				
BladeCenter HS20 7981		VMware ESX 3.5 U4 w/guest SLES 10 SP2	11,39						P/N 48P7061				
BladeCenter HS21 8853		VMware ESX 3.5 U4 w/guest SLES 9 SP4	11,39										
BladeCenter HS21 XM 7995		VMware ESX 3.5 U4 w/guest Solaris 10(X86)	11,39										
BladeCenter HS40 8839		VMware ESX 3.0.3 w/guest Solaris 10(X86)	11,39										
BladeCenter LS20 8850		VMware ESX 3.0.3 w/guest Windows 2003	11,39										
BladeCenter LS21 7971		VMware ESX 3.0.3 w/guest Windows 2008	11,39										
BladeCenter LS22 7901		VMware ESX 3.0.3 w/guest RHEL 5.2	11,39										
BladeCenter LS41 7972		VMware ESX 3.0.3 w/guest RHEL 4.7	11,39										
BladeCenter LS42 7902		VMware ESX 3.0.3 w/guest SLES 10 SP2	11,39										
		VMware ESX 3.0.3 w/guest SLES 9 SP4	11,39										
		VMware ESX 3.0.3 w/guest Solaris 10(X86) U5	11,39										
BladeCenter HS12 8014		Microsoft Windows Server 2003 SP2	11,25, 18	Cluster Service	58	MPIO Device Specific Module (DSM) MPIO	01.03.0305.0013		P/N 26R0890		Flash Copy		
BladeCenter HS12 8028									P/N 26K4841		Volume Copy		
BladeCenter HS20 8832									P/N 26R0884		Remote Volume Mirroring		
BladeCenter HS20 8843									P/N 13N2203		SVC	4.2.1.5	52
BladeCenter HS20 7981									P/N 48P7061		SVC	4.3.0	52
BladeCenter HS21 8853											Expansion Unit 5000		11
BladeCenter HS21 XM 7995											Expansion Unit 810		11
BladeCenter HS40 8839											Storage Manager (SM)	10.50	
BladeCenter LS20 8850											IBM Tivoli Storage Manager FastBack	5.5.2	49, 50
BladeCenter LS21 7971											SAN Boot		57
BladeCenter LS22 7901											Hyper-V		54
BladeCenter LS41 7972													
BladeCenter LS42 7902													
BladeCenter HS12 8014		Microsoft Windows Server 2008 SP1	11,33, 18	Cluster Service	58	MPIO Device Specific Module (DSM) MPIO	01.03.0305.0013		P/N 26R0890		Flash Copy		
BladeCenter HS12 8028									P/N 26K4841		Volume Copy		
BladeCenter HS20 8832									P/N 26R0884		Remote Volume Mirroring		
BladeCenter HS20 8843									P/N 13N2203		SVC	4.2.1.5	52
BladeCenter HS20 7981									P/N 48P7061		SVC	4.3.0	52
BladeCenter HS21 8853											Expansion Unit 5000		11
BladeCenter HS21 XM 7995											Expansion Unit 810		11
BladeCenter HS40 8839											Storage Manager (SM)	10.50	
BladeCenter LS20 8850											SAN Boot		57
BladeCenter LS21 7971											Hyper-V		54
BladeCenter LS22 7901													
BladeCenter LS41 7972													
BladeCenter LS42 7902													
BladeCenter HS12 8014		Sun Solaris 10 U6	11	Veritas Cluster Server	5, 0	Veritas Volume Manager with DMP MPxIO	5, 0		P/N 26R0890		Flash Copy		
BladeCenter HS12 8028									P/N 26K4841		Volume Copy		
BladeCenter HS20 8832									P/N 26R0884		Remote Volume Mirroring		
BladeCenter HS20 8843									P/N 13N2203		SVC	4.2.1.5	52
BladeCenter HS20 7981									P/N 48P7061		SVC	4.3.0	52
BladeCenter HS21 8853											Expansion Unit 5000		11
BladeCenter HS21 XM 7995											Expansion Unit 810		11
BladeCenter HS40 8839											Storage Manager (SM)	10.50	
BladeCenter LS20 8850											SAN Boot		57
BladeCenter LS21 7971													
BladeCenter LS22 7901													
BladeCenter LS41 7972													
BladeCenter LS42 7902													
BladeCenter JS20 8842		IBM AIX 5.2 TL10	11			MPIO RDAC			13	P/N 73P6112	Flash Copy		
BladeCenter JS21 7988									13	P/N 13N2208	Volume Copy		
BladeCenter JS21 8844											Remote Volume Mirroring		
											SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS20 8842		IBM AIX 5.3 TL8	11	IBM PowerHA (formerly HACMP)	5, 3	MPIO			14	P/N 73P6112	Flash Copy		
BladeCenter JS21 7988		IBM AIX 5.3 TL9	11	IBM PowerHA (formerly HACMP)	5, 4, 1	RDAC			14	P/N 13N2208	Volume Copy		
BladeCenter JS21 8844				IBM PowerHA (formerly HACMP)	5, 5	SDD Path Control Module (SDD PCM)	2.4.0.0				Remote Volume Mirroring		
						SDD Path Control Module (SDD PCM)	2.4.0.2		16		SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57

## DS5100 and DS5300 FW 7.50 Support with BladeCenter Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
BladeCenter JS20 8842		Red Hat Enterprise Linux 4.7	11	RHEL Native Cluster	4.7		RDAC	MPP-09.03.0B05.0042		P/N 26R0890	Flash Copy		
BladeCenter JS21 7988				LifeKeeper	6.2.0					P/N 26K4841	Volume Copy		
BladeCenter JS21 8844				LifeKeeper	6.4.0					P/N 26R0884	Remote Volume Mirroring		
				Cluster Suite	6.1.5					P/N 13N2203	SVC	4.2.1.5	52
										P/N 48P7061	SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS20 8842		Novell SUSE SLES 10 SP2	11				RDAC	MPP-09.03.0B05.0042		P/N 43W6859	Flash Copy		
BladeCenter JS21 7988										P/N 41Y8527	Volume Copy		
BladeCenter JS21 8844										P/N 39Y9306	Remote Volume Mirroring		
											SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS20 8842		Novell SUSE SLES 9 SP4	11	LifeKeeper	6.2.0		RDAC	MPP-09.03.0B05.0042		P/N 26R0890	Flash Copy		
BladeCenter JS21 7988				LifeKeeper	6.4.0					P/N 26K4841	Volume Copy		
BladeCenter JS21 8844										P/N 26R0884	Remote Volume Mirroring		
										P/N 13N2203	SVC	4.2.1.5	52
										P/N 48P7061	SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS22 7998		IBM AIX 5.2 TL10	11				MPIO			13 P/N 43W6859	Flash Copy		
BladeCenter JS12 7998							RDAC			13 P/N 41Y8527	Volume Copy		
										P/N 39Y9306	Remote Volume Mirroring		
											SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS22 7998		IBM AIX 5.3 TL8	11	IBM PowerHA (formerly HACMP)	5.3	48	MPIO			14 P/N 43W6859	Flash Copy		
BladeCenter JS12 7998		IBM AIX 5.3 TL9	11	IBM PowerHA (formerly HACMP)	5.4.1	48	RDAC			14 P/N 41Y8527	Volume Copy		
				IBM PowerHA (formerly HACMP)	5.5	48	SDD Path Control Mo 2.4.0.0			P/N 39Y9306	Remote Volume Mirroring		
							SDD Path Control Mo 2.4.0.2			16	SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS22 7998		IBM AIX 6.1 TL1	11	IBM PowerHA (formerly HACMP)	5.3	48	MPIO			14 P/N 43W6859	Flash Copy		
BladeCenter JS12 7998		IBM AIX 6.1 TL2	11	IBM PowerHA (formerly HACMP)	5.4.1	48	RDAC			14 P/N 41Y8527	Volume Copy		
				IBM PowerHA (formerly HACMP)	5.5	48	SDD Path Control Mo 2.4.0.0			P/N 39Y9306	Remote Volume Mirroring		
							SDD Path Control Mo 2.4.0.2			16	SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS22 7998		Red Hat Enterprise Linux	11	RHEL Native Cluster	4.7		RDAC	MPP-09.03.0B05.0042		P/N 43W6859	Flash Copy		
BladeCenter JS12 7998				LifeKeeper	6.2.0					P/N 41Y8527	Volume Copy		
				LifeKeeper	6.4.0					P/N 39Y9306	Remote Volume Mirroring		
				Cluster Suite	6.1.5						SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS22 7998		Novell SUSE SLES 10 SP11	11				RDAC	MPP-09.03.0B05.0042		P/N 43W6859	Flash Copy		
BladeCenter JS12 7998										P/N 41Y8527	Volume Copy		
										P/N 39Y9306	Remote Volume Mirroring		
											SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57
BladeCenter JS22 7998		Novell SUSE SLES 9 SP1	11	LifeKeeper	6.2.0		RDAC	MPP-09.03.0B05.0042		P/N 43W6859	Flash Copy		
BladeCenter JS12 7998				LifeKeeper	6.4.0					P/N 41Y8527	Volume Copy		
										P/N 39Y9306	Remote Volume Mirroring		
											SVC	4.2.1.5	52
											SVC	4.3.0	52
											Expansion Unit 5000		11
											Expansion Unit 810		11
											Storage Manager (SM)	10.50	
											SAN Boot		57

## DS5100 and DS5300 FW 7.50 Support with BladeCenter Continued...

## NOTES:

Note	Note Text
4	Fencing not supported
5	TL5 or later only
6	DVE support for AIX requires AIX 5.2 or later
7	DVE is not supported by SAN Volume Controller
9	Intermix Activation <sup>®</sup> feature must be applied when DS4800 disk array system includes both Fibre Channel and SATA disk drives types, within the combination of attached EXP810, EXP710, EXP100 expansion units.
11	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
12	FRU number 13N2208 (or Option PN 13N2203) and JS20 8842-21X MT/MN are not compatible. This combination is not supported for Linux on Power releases
13	With Patch-52S_DS345K.081020.epkg.Z
14	With Patch-iz49529.epkg
16	with Patch-iz49529.epkg
17	with Patch-iz49526.epkg
18	with OS Patch-KB950903
23	Refer to the following link for Updates and Fixes: <a href="http://www14.software.ibm.com/webapp/set2/sas/f/vios/download/home.html">http://www14.software.ibm.com/webapp/set2/sas/f/vios/download/home.html</a>
24	Fix Pack 10.1 required
25	Windows 2003 SP2 is a superset of Windows 2003 SP1, Both SP2 and SP1 are supported.
26	Supported on AIX levels : 6.1, 5.3 and 5.2
27	RDAC support only. No MPIO support at this time.
28	Operating Systems. LoP: RH5.1, SLES10.1, MPIO: AIX 5.3, AIX 6.1, Linux on Intel: RedHat 4.6 and 5.1; SLES 9SP4 and 10SP1
29	Windows guests using MSCS or VMotion (but not guests using MSCS and VMotion concurrently) are supported
30	ESX Server Clusters support applies to Windows 2003 RTM, but not Windows 2003 SP1.
31	Symantec DSM only for MPIO supported
32	Full SFRAC product including VCS clustering
33	Includes Windows Server 2008 Server Core support.
35	Only QLogic based HBAs are supported at this time.
38	Microsoft Cluster Services is not supported at this time
39	VMware Tools installed on Virtual Machines.
40	AVT disabled
41	patch level Generic_125101-04
42	Patch level Generic_122300-13
43	10.15 Storage Manager does not contain MPP failover driver
44	Some Windows 2000 configurations can be supported via RPQ
45	Expansion Unit 420 is only supported on DS4200.
48	MPIO only. No RDAC or SDD support at this time
49	Following URL can provide more details about IBM Tivoli Storage Manager FastBack: <a href="http://www-01.ibm.com/software/tivoli/products/storage/storage-mgr-fastback/">http://www-01.ibm.com/software/tivoli/products/storage/storage-mgr-fastback/</a>
50	Supported on Windows 2003 Standard Server and Enterprise Server, Service Pack 1 or later
52	Refer to the following link for further details on IBM SVC <a href="http://www-03.ibm.com/systems/storage/software/virtualization/svc/">http://www-03.ibm.com/systems/storage/software/virtualization/svc/</a>
53	DS4000 and DS5000 family products can coexist on the same server.
54	Supported on Windows Server 2008 x64. Windows Server 2003 SP2 R1 and Windows Server 2003 SP2 R2 with Guest OSes: Window2003 SP2, Window2008 SP1, Windows 2000, Windows XP, and Windows Vista. The x64 server must have Hyper-V capable hardware. In Hyper-V configurations with DS4000 or DS5000 attached only LSI-DSM is supported. Customers can not have any other DSM running, exceptions to this restriction require RPQ support to confirm compatibility. In any supported Windows configuration when running the LSI-DSM, customers can also have compatibility with SDD-DSM but it is dependant upon the level of SDD-DSM. Please check with your IBM field support team or submit an RPQ for compatibility guidance if multiple IBM storage devices and multiple DSMs must co-exist.
57	Supported under the following operating systems (except for Veritas environment): AIX 5.2, AIX5.3, AIX 6.1, RedHat 4.7, RedHat 5.2, RedHat 5.3, SUSE 9, SUSE 9.4, SUSE 10.2, SUSE 11, Solaris 10, Solaris 9, Windows Server 2003, Windows Server 2008, VMWare ESX 3.5 U3, Microsoft Cluster Server for Windows Server 2003 and for Windows Server 2008, VIOS 2.1
58	Up to 8 nodes with MPIO
59	No Direct Connect with QLogic HBAs, QLE4060C, QLE4062C, QLA4050C, and QLA4052C at this time
60	Supported on VMware ESX 3.5 or higher and 7.xx.xx firmware level or higher. The following web site gives VMware SRM installation and configuration guidance: <a href="http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101443">http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101443</a>



DS5100 and DS5300 FW 7.50 Support with System x, Intel, AMD Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
Open Systems Compatible Servers	3.4	Red Hat Enterprise Linux 5.2		2 RHEL Native Cluster	5.2		RDAC	MPP-09.03.0B05.0042		415	Flash Copy		
				LifeKeeper	6.2.0					425	Volume Copy		
				LifeKeeper	6.4.0					815	Remote Volume Mirroring		
				Cluster Suite	6.1.5					825	SVC	4.2.1.5	52
										LP10000	SVC	4.3.0	52
										LP10000DC	Expansion Unit 5000		2
										LP1050	Expansion Unit 810		2
										LP1050DC	Storage Manager (SM)	10.50	
										LP11000	SAN Boot		57
										LP11002			
										LP1150			
										LP9002			
										LP9002DC			
										LP9002L			
										LP952L			
										LP9802			
										LP9802DC			
										LP982			
										LPE11000			
										LPE11002			
										LPE1150			
										LPE12000			
										LPE12002			
										LPE1250			
										FC 5735			
										FC 5758			
										FC 5759			
										FC 5773			
										FC 5774			
										P/N 42D0405			
										P/N 42D0407			
										P/N 42C2069			
										P/N 42C2071			
										P/N 39M5894			
										P/N 39M5895			
										P/N 39M6014			
										P/N 39M6017			
										P/N 39M6018			
										P/N 39M6019			
										P/N 00N6881			
										P/N 19K1246			
										P/N 19K1246			
										P/N 24P0960			
										P/N 24P8053			
										P/N 39R6525			
										P/N 39R6527			
										QLA2310F			
										QLA2310F			
										QLA2340			
										QLA2340			
										QLA2342			
										QLA2342			
										QLA2460			
										QLA2460			
										QLA2460			
										QLA2462			
										QLA2462			
										QLA4050C			
										QLA4052C			
										QLE2460			
										QLE2460			
										QLE2460			
										QLE2462			
										QLE2462			
										QLE2462			
										QLE2560			
										QLE2560			
										QLE2560			
										QLE2560			
										QLE2562			
										QLE2562			
										QLE4060C			
										QLE4062C			

## DS5100 and DS5300 FW 7.50 Support with System x, Intel, AMD Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
Open Systems Compatible Servers	3.4	Red Hat Enterprise Linux 5.3	2.59	RHEL Native Cluster	5.3		RDAC	MPP-09.03.0B05.0042		415	Flash Copy		
				LifeKeeper	6.2.0					425	Volume Copy		
				LifeKeeper	6.4.0					815	Remote Volume Mirroring		
				Cluster Suite	6.1.5					825	SVC	4.2.1.5	52
										LP10000	SVC	4.3.0	52
										LP10000DC	Expansion Unit 5000		2
										LP1050	Expansion Unit 810		2
										LP1050DC	Storage Manager (SM)	10.50	
										LP11000	SAN Boot		57
										LP11002			
										LP1150			
										LP9002			
										LP9002DC			
										LP9002L			
										LP952L			
										LP9802			
										LP9802DC			
										LP982			
										LPE11000			
										LPE11002			
										LPE1150			
										LPE12000			
										LPE12002			
										LPE1250			
										FC 5735			
										FC 5758			
										FC 5759			
										FC 5773			
										FC 5774			
										P/N 42D0405			
										P/N 42D0407			
										P/N 42C2069			
										P/N 42C2071			
										P/N 39M5894			
										P/N 39M5095			
										P/N 39M6014			
										P/N 39M6017			
										P/N 39M6018			
										P/N 39M6019			
										P/N 00N6881			
										P/N 19K1246			
										P/N 19K1246			
										P/N 24P0960			
										P/N 24P8053			
										P/N 39R6525			
										P/N 39R6527			
										QLA2310F			
										QLA2310F			
										QLA2340			
										QLA2340			
										QLA2342			
										QLA2342			
										QLA2460			
										QLA2460			
										QLA2460			
										QLA2462			
										QLA2462			
										QLA4050C			
										QLA4052C			
										QLE2460			
										QLE2460			
										QLE2460			
										QLE2462			
										QLE2462			
										QLE2560			
										QLE2560			
										QLE2560			
										QLE2562			
										QLE2562			
										QLE4060C			
										QLE4062C			

## DS5100 and DS5300 FW 7.50 Support with System x, Intel, AMD Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note			
Open Systems Compatible Servers	3.4	Novell SUSE SLES 10 SP2		2 LifeKeeper LifeKeeper	6.2.0 6.4.0		RDAC	MPP-09.03.0B05.0042		FC 1105BC FC 5758 FC 5759 FC 5773 FC 5774 FC 5735 QMC2462S P/N 42D0405 P/N 42D0407 P/N 42C2069 P/N 42C2071 P/N 39M5894 P/N 39M5895 P/N 39M6014 P/N 39M6017 P/N 39M6018 P/N 39M6019 P/N 00N6881 P/N 19K1246 P/N 19K1246 P/N 24P0960 P/N 24P0953 P/N 39R6525 P/N 39R6527 415 425 815 825 LP10000 LP10000 LP10000DC LP10000DC LP1050 LP1050 LP1050DC LP1050DC LP11000 LP11000 LP11002 LP11002 LP1150 LP1150 LP9002 LP9002 LP9002DC LP9002DC LP9002L LP9002L LP952L LP952L LP9802 LP9802 LP9802DC LP9802DC LP982 LP982 LPE11000 LPE11000 LPE11002 LPE11002 LPE1150 LPE1150 LPE12000 LPE12000 LPE12002 LPE12002 LPE1250 LPE1250 QLA2310F QLA2310F QLA2310F QLA2340 QLA2340 QLA2340 QLA2340 QLA2342 QLA2342 QLA2342 QLA2460 QLA2460 QLA2460 QLA2462 QLA2462 QLA2462 QLA2462 QLA4050C QLA4050C QLA4050C QLA4050C QLA4052C QLA4052C QLA4052C QLA4052C QLE2460 QLE2460 QLE2460 QLE2462 QLE2462	Flash Copy Volume Copy Remote Volume Mirroring SVC SVC Expansion Unit 5000 Expansion Unit 810 Storage Manager (SM) SAN Boot				4.2.1.5 4.3.0 2 2 10.50 57	52 52 2 2

## DS5100 and DS5300 FW 7.50 Support with System x, Intel, AMD Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
										QLE2462			
										QLE2462			
										QLE2560			
										QLE2560			
										QLE2562			
										QLE2562			
										QLE2562			
										QLE4060C			
										QLE4060C			
										QLE4060C			
										QLE4062C			
										QLE4062C			
										QLE4062C			
										QLE4062C			

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
Open Systems Compatible Servers	3.4	Microsoft Windows Server 2003 SP2	2.25, 18	Cluster Service		15, 58	MPIO Device Specific Module (DSM) MPIO	01.03.0305.0013		815 825	Flash Copy Volume Copy		
										LP10000	Remote Volume Mirroring		
										LP10000DC	SVC	4.2.1.5	52
										LP101	SVC	4.3.0	52
										LP1050	Expansion Unit 5000		2
										LP11000	Expansion Unit 810		2
										LP11002	Storage Manager (SM)	10.50	
										LP1150	IBM Tivoli Storage Manager FastBack	5.5.2	49, 50
										LP9002DC	SAN Boot		57
										LP9002L	Hyper-V		54
										LP952L			
										LP9802			
										LP9802DC			
										LP982			
										LPE11000			
										LPE1150			
										LPE12000			
										LPE12002			
										LPE1250			
										P/N 42D0405			
										P/N 42D0407			
										P/N 42C2069			
										P/N 42C2071			
										P/N 39M5894			
										P/N 39M5895			
										P/N 39M6014			
										P/N 39M6017			
										P/N 39M6018			
										P/N 39M6019			
										P/N 00N6881			
										P/N 19K1246			
										P/N 24P0960			
										P/N 24P8053			
										P/N 39R6525			
										P/N 39R6527			
										QLA2310F			
										QLA2340			
										QLA2342			
										QLA2460			
										QLA2462			
										QLA4050C			
										QLA4052C			
										QLE2460			
										QLE2462			
										QLE2464			
										QLE2560			
										QLE2562			
										QLE4060C			
										QLE4062C			

## DS5100 and DS5300 FW 7.50 Support with System x, Intel, AMD Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
Open Systems Compatible Servers	3.4	Microsoft Windows Server 2008 SP1	2.33, 18	Cluster Service		58	MPIO Device Specific Module (DSM) MPIO	01.03.0305.0013		815 825	Flash Copy Volume Copy		
										LP10000	Remote Volume Mirroring		
										LP10000DC	SVC	4.2.1.5	52
										LP101	SVC	4.3.0	52
										LP1050	Expansion Unit 5000		2
										LP11000	Expansion Unit 810		2
										LP11002	Storage Manager (SM)	10.50	
										LP1150	SAN Boot		57
										LP9002DC	Hyper-V		54
										LP9002L			
										LP952L			
										LP9802			
										LP9802DC			
										LP982			
										LPE11000			
										LPE1150			
										LPE12000			
										LPE12002			
										LPE1250			
										P/N 42D0405			
										P/N 42D0407			
										P/N 42C2069			
										P/N 42C2071			
										P/N 39M5894			
										P/N 39M5895			
										P/N 39M6014			
										P/N 39M6017			
										P/N 39M6018			
										P/N 39M6019			
										P/N 00N6881			
										P/N 19K1246			
										P/N 24P0960			
										P/N 24P8053			
										P/N 39R6525			
										P/N 39R6527			
										QLA2310F			
										QLA2340			
										QLA2342			
										QLA2460			
										QLA2462			
										QLA4050C			
										QLA4052C			
										QLE2460			
										QLE2462			
										QLE2464			
										QLE2560			
										QLE2562			
										QLE4060C			
										QLE4062C			

## DS5100 and DS5300 FW 7.50 Support with System x, Intel, AMD Continued...

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
Open Systems Compatible Servers	3.4	VMware ESX 3.5 U4 w/guest Windows 2003	2,7,8,39	Cluster Service			VMware ESX Server Failover with MRU policy			40	LP11000	Flash Copy	
		VMware ESX 3.5 U4 w/guest Windows 2008	2,7,8,39								LP11002	Volume Copy	
		VMware ESX 3.5 U4 w/guest RHEL 5.2	2,7,8,39								LPE11000	Remote Volume Mirroring	
		VMware ESX 3.5 U4 w/guest RHEL 4.7	2,7,8,39								LPE11002	SVC	4.2.1.5 52
		VMware ESX 3.5 U4 w/guest SLES 10 SP2	2,7,8,39								LPE12000	SVC	4.3.0 52
		VMware ESX 3.5 U4 w/guest SLES 9 SP4	2,7,8,39								LPE12002	Expansion Unit 5000	2
		VMware ESX 3.5 U4 w/guest Solaris 10(X86)	2,7,8,39								P/N 24P8053	Expansion Unit 810	2
		VMware ESX 3.0.3 w/guest Solaris 10(X86)	2,7,8,39								P/N 42D0405	Storage Manager (SM)	10.50
		VMware ESX 3.0.3 w/guest Windows 2003	2,7,8,39								P/N 42D0407	SAN Boot	57
		VMware ESX 3.0.3 w/guest Windows 2008	2,7,8,39								P/N 42C2069		
		VMware ESX 3.0.3 w/guest RHEL 5.2	2,7,8,39								P/N 42C2071		
		VMware ESX 3.0.3 w/guest RHEL 4.7	2,7,8,39								P/N 39M5894		
		VMware ESX 3.0.3 w/guest SLES 10 SP2	2,7,8,39								P/N 39M5895		
		VMware ESX 3.0.3 w/guest SLES 9 SP4	2,7,8,39								P/N 39M6014		
		VMware ESX 3.0.3 w/guest Solaris 10(X86) U5	2,7,8,39								P/N 39M6017		
											P/N 39M6018		
											P/N 39M6019		
											P/N 00N6881		
											P/N 19K1246		
											P/N 24P0960		
											P/N 39R6525		
											P/N 39R6527		
											QLA2200		
											QLA2310		
											QLA2340		
											QLA2342		
											QLA2460		
											QLA2462		
											QLA4050C		
											QLA4052C		
											QLE2460		
											QLE2462		
											QLE2560		
											QLE2562		
											QLE4060C		
											QLE4062C		



## DS5100 and DS5300 FW 7.50 Support with System x, Intel, AMD Continued...

## NOTES:

Note	Note Text
1	DVE is not supported by SAN Volume Controller
2	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
3	Intel and AMD support includes servers manufactured by Sun.
4	"Intermix Activation" feature must be applied when DS4700 disk array system includes both Fibre Channel and SATA disk drive types, within the combination of DS4700 and attached EXP810, EXP710, EXP100 expansion units.
6	When a EXP700 is upgraded with fc#3501 or pn:25R0166, it is supported in the same manner as a EXP710
7	Windows guests using MSCS or VMotion (but not guests using MSCS and VMotion concurrently) are supported
8	ESX Server Clusters support applies to Windows 2003 RTM, but not Windows 2003 SP1.
9	Provides Metro Mirror, Global Copy, and Global Mirror capabilities
11	not supported for Chromium
12	SAN Boot support for other operating systems not listed is via the RPQ process
13	San Boot not supported on Novell Netware
14	QLogic 4Gbps HBA adapters are only supported if used in conjunction with IBM DS4000 FC 4Gbps Host adapter BIOS
15	Multiple Windows Cluster configurations are supported with DS4000 (FASTT) Windows Server 2003 SP1 RADC level 08403500 or later
17	Symantec DSM only for MPIO supported
18	with OS Patch-KB950903
19	Supported only on Linux.
20	Fencing not supported
25	Windows 2003 SP2 is a superset of Windows 2003 SP1. Both SP2 and SP1 are supported.
32	Full SFRAC product including VCS clustering
33	Includes Windows Server 2008 Server Core support.
34	Only QLogic based IIDAs are supported at this time.
39	VMware Tools installed on Virtual Machines.
40	AVT disabled
41	patch level Generic_125101-04
42	Patch level Generic_122300-13
43	10.15 Storage Manager does not contain MPP failover driver
44	Some Windows 2000 configurations can be supported via RPQ
45	Expansion Unit 420 is only supported on DS4200.
49	Following URL can provide more details about IBM Tivoli Storage Manager FastBack: <a href="http://www-01.ibm.com/software/tivoli/products/storage/storage-mgr-fastback/">http://www-01.ibm.com/software/tivoli/products/storage/storage-mgr-fastback/</a>
50	Supported on Windows 2003 Standard Server and Enterprise Server, Service Pack 1 or later
52	Refer to the following link for further details on IBM SVC <a href="http://www-03.ibm.com/systems/storage/software/virtualization/svc/">http://www-03.ibm.com/systems/storage/software/virtualization/svc/</a>
53	DS4000 and DS5000 family products can coexist on the same server
54	Supported on Windows Server 2008 x64, Windows Server 2003 SP2 R1 and Windows Server 2003 SP2 R2 with Guest OSes: Window2003 SP2, Window2008 SP1, Windows 2000, Windows XP, and Windows Vista.. The x64 server must have Hyper-V capable hardware. In Hyper-V configurations with DS4000 or DS5000 attached only LSI-DSM is supported. Customers can not have any other DSM running, exceptions to this restriction require RPQ support to confirm compatibility. In any supported Windows configuration when running the LSI-DSM, customers can also have compatibility with SDD-DSM but it is dependant upon the level of SDD-DSM. Please check with your IBM field support team or submit an RPQ for compatibility guidance if multiple IBM storage devices and multiple DSMs must co-exist.
56	No SANBoot support at this time.
57	Supported under the following operating systems (except for Veritas environment): AIX 5.2, AIX5.3, AIX 6.1, RedHat 4.7, RedHat 5.2, RedHat 5.3, SUSE 9, SUSE 9.4, SUSE 10.2, SUSE 11, Solaris 10, Solaris 9, Windows Server 2003, Windows Server 2008, VMWare ESX 3.5 U3, Microsoft Cluster Server for Windows Server 2003 and for Windows Server 2008, VIOS 2.1
58	Up to 8 nodes with MPIO
59	No Direct Connect with Qlogic HBAs, QLE4060C, QLE4062C, QLA4050C, and QLA4052C at this time
60	Supported on VMWare ESX 3.5 or higher and 7.xx.xx firmware level or higher. The following web site gives VMware SRM installation and configuration guidance: <a href="http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101443">http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101443</a>

## DS5100 and DS5300 FW 7.50 Support with Sun

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
Sun SPARC Enterprise M4000	3	Sun Solaris 10 U6	4	Cluster	3.2	U2	Veritas Volume Manager with DMP MPxIO	5.0		P/N 19K1246	Flash Copy		
Sun SPARC Enterprise M5000	3									P/N 24P0960	Volume Copy		
Sun SPARC Enterprise M8000	3									P/N 24P8053	Remote Volume Mirroring		
Sun SPARC Enterprise M9000	3									LP10000	SVC	4.2.1.5	52
Enterprise 10000	3									LP10000DC	SVC	4.3.0	52
Enterprise 220R	3									LP11000	Expansion Unit 5000		2
Enterprise 250	3									LP11002	Expansion Unit 810		2
Enterprise 420R	3									LP9802	Storage Manager (SM)	10.50	
Enterprise 450	3									LP9802DC	SAN Boot		57
Enterprise 3000	3									LPE11000			
Enterprise 4000	3									LPE11002			
Enterprise 5000	3									LPE12000			
Enterprise 6000	3									LPE12002			
Enterprise 3500	3									QLA2310F			
Enterprise 4500	3									QLA2340			
Enterprise 5500	3									QLA2342			
Enterprise 6500	3									QLA2460			
Netra 1125	3									QLA2462			
SPARCcenter/SPARCserver 1000	3									QLE2460			
SPARCcenter/SPARCserver 1000E	3									QLE2462			
SPARCcenter/SPARCserver 2000	3									QLE2560			
SPARCcenter/SPARCserver 2000E	3									QLE2562			
Sun Fire 12000	3									SG-XPCH1FC-EM2			
Sun Fire 15000	3									SG-XPCH1FC-EM4-Z			
Sun Fire 3800	3									SG-XPCH1FC-QF2(x6767A)			
Sun Fire 4800	3									SG-XPCH1FC-QF4			
Sun Fire 4810	3									SG-XPCH1FC-QL2			
Sun Fire 6800	3									SG-XPCH2FC-EM2			
Sun Fire 6900	3									SG-XPCH2FC-EM4-Z			
Sun Fire E20K	3									SG-XPCH2FC-QF2-Z			
Sun Fire E25K	3									SG-XPCH2FC-QF4			
Sun Fire E2900	3									SG-XPCH2FC-EM4			
Sun Fire E4900	3									SG-XPCH2FC-QF4			
Sun Fire E6900	3									SG-XPCH2FC-EM4			
Sun Fire T1000	3									SG-XPCH2FC-EM8-Z			
Sun Fire T2000	3									SG-XPCH2FC-QF4			
Sun Fire V120	3									SG-XPCH2FC-QM8-Z			
Sun Fire V1280	3									SG-XPCH2FC-QF4			
Sun Fire V210	3									SG-XPCH2FC-QM8-Z			
Sun Fire V240	3									SG-XPCH2FC-QF4			
Sun Fire V250	3									SG-XPCH2FC-QF4			
Sun Fire V280R	3									SG-XPCH2FC-QF4			
Sun Fire V440	3									SG-XPCH2FC-QF4			
Sun Fire V480	3									SG-XPCH2FC-QF4			
Sun Fire V490	3									SG-XPCH2FC-QF4			
Sun Fire V880	3									SG-XPCH2FC-QF4			
Sun Fire V890	3									SG-XPCH2FC-QF4			
Ultra 20	3												
Ultra 30	3												
Ultra 5	3												
Ultra 60	3												
Ultra 80	3												

## NOTES:

Note	Note Text
2	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
3	For a complete list of supported servers you may access the following URL: <a href="http://www.sun.com/software/cluster/osp/ibm_interop.xml">http://www.sun.com/software/cluster/osp/ibm_interop.xml</a>
4	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
52	Refer to the following link for further details on IBM SVC <a href="http://www-03.ibm.com/systems/storage/software/virtualization/svc/">http://www-03.ibm.com/systems/storage/software/virtualization/svc/</a>
53	DS4000 and DS5000 family products can coexist on the same server.
57	Supported under the following operating systems (except for Veritas environment): AIX 5.2, AIX 5.3, AIX 6.1, RedHat 4.7, RedHat 5.2, RedHat 5.3, SUSE 9, SUSE 9.4, SUSE 10.2, SUSE 11, Solaris 9, Solaris 10, Solaris 11, Windows Server 2003, Windows Server 2008, VMWare ESX 3.5 U3, Microsoft Cluster Server for Windows Server 2003 and for Windows Server 2008, VIOS 2.1

## DS5100 and DS5300 FW 7.50 Support with HP

Server	Note	OS	Note	Clustering	Level	Note	Multipath	Level	Note	HBA	Feature	Version	Note
HP Compatible Servers	1	HP-UX 11i v2 (11.23)	5, 6, 15	HP MC/Service Guard	11.18	HP Service Guard Manager	Subsystem Device Driver (SDD)	1.8.0.2		A6795	Flash Copy		
					A6795A					Volume Copy			
					A6795A					Remote Volume Mirroring			
					A6826A					SVC	4.2.1.5	52	
					A6826A					SVC	4.3.0	52	
					A6826A					Expansion Unit 5000		5	
					AB378A					Expansion Unit 810		5	
					AB378A					Storage Manager (SM)	10.50		
					AB378A								
					AB379A								
					AB379A								
					AB379A								
				HP Compatible Servers	1					HP-UX 11i v3 (11.31)	5, 6, 15	HP MC/Service Guard	11.18
	A6795	Volume Copy											
	A6795A	Remote Volume Mirroring											
	A6826A	SVC	4.2.1.5			52							
	A6826A	SVC	4.3.0			52							
	A6826A	Expansion Unit 5000				5							
	AB378A	Expansion Unit 810				5							
	AB378A	Storage Manager (SM)	10.50										
	AB378A												
	AB379A												
	AB379A												
	AB379A												

### NOTES:

Note	Note Text
1	Support for HP-Itanium based servers with HP-UX 11.23 may be requested via RPQ process
3	Intermix Activation" feature must be applied when DS4800 disk array system includes both Fibre Channel and SATA disk drives types, within the combination of attached EXP810, EXP710, EXP100 expansion units.
5	For additional configuration details and limitations view the appropriate README files <a href="http://www-03.ibm.com/systems/storage/disk/index.html">http://www-03.ibm.com/systems/storage/disk/index.html</a>
6	Storage Manager is not supported on HP-UX Itanium servers
7	Provides Metro Mirror, Global Copy, and Global Mirror capabilities
11	not supported for Chromium
13	Service Guard is not supported on 11i v3 configuration at this time. No SDD Support at this time
14	No cluster support at this time.
15	Requires September 2008 release
45	Expansion Unit 420 is only supported on DS4200.
52	Refer to the following link for further details on IBM SVC <a href="http://www-03.ibm.com/systems/storage/software/virtualization/svc/">http://www-03.ibm.com/systems/storage/software/virtualization/svc/</a>
53	DS4000 and DS5000 family products can coexist on the same server.