

# Storage Visibility and Automation 7.84 Managed Server Support

August 2010

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Doc Version: v1.0

This matrix does not contain all configuration and resource requirements. See the corresponding SA Storage 7.84 documentation for more information.

OS Vendor	s	Architecture	Versions Supported	Notes
HP	HP-UX 11i v1	IA-64	All	
HP	HP-UX 11i v2	PA-RISC	All	
HP	HP-UX 11i v2	IA-64	All	
HP	HP-UX 11i v3	PA-RISC	All	
HP	HP-UX 11i v3	IA-64	All	
IBM	AIX 5	Power	5.2-5.3	
IBM	AIX 6.1	Power	All	
IBM	RHEL 5 -POWER	ppc	GA : U2-U5	
IBM	SLES 10- POWER	ppc	SP3	
IBM	SLES 11- POWER	ppc	GA	
Microsoft	Windows Server 2003 (Standard, R2, Enterprise, Datacenter)	x86_32 x86_64	SP1-SP2	
Microsoft	Windows Server 2008 (Standard, Enterprise, Datacenter)	x86_32 x86_64	GA-SP1	
Microsoft	Windows 2008 SP2	x86_32 x86_64	SP1-SP2	
Microsoft	Windows 2008 R2	x86_64	R2	
Novell	SuSE Linux Enterprise Server 9	x86_32 x86_64	GA-SP4	
Novell	SuSE Linux Enterprise Server 10	x86_32 x86_64	GA:SP2-SP3	

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OS Vendor	s	Architecture	Versions Supported	Notes
Novell	SuSE Linux Enterprise Server 11	x86_32 x86_64	GA:Base- SP1	
Novell	Open Enterprise Server (OES 2)	x86_32 x86_64	SP2	
Oracle	Oracle Enterprise Linux 4	x86_32 x86_64	GA-U8	
Oracle	Oracle Enterprise Linux 5	x86_32 x86_64	GA: U3-U5	
Red Hat	RHEL 3 (AS, ES, WS editions)	x86_32 x86_64 IA-65	GA-U8	
Red Hat	RHEL 4 (AS, ES, WS editions)	x86_32 x86_64 IA-64	GA-U8	
Red Hat	RHEL 5 Desktop	x86_32 x86_64	GA-5.3	
Red Hat	RHEL 5 (Advanced Platform, Base)	x86_32 x86_64 IA-64	GA :U3-U5	
Red Hat	Cent OS 5	x86_32 x86_64	GA :U2 -U5	
Sun	Solaris 8	SPARC - Sun4u	GA-U7-U8	
Sun	Solaris 8	Fujitsu SPARC	GA-U7	
Sun	Solaris 9	Fujitsu SPARC	GA-U8	
Sun	Solaris 9	SPARC - Sun4u	GA-U8	
Sun	Solaris 10	x86_32 x86_64	GA-U7,U8( only x86_64)	
Sun	Solaris 10	SPARC- Sun4v (Niagara)	GA-U7	

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OS Vendor	s	Architecture	Versions Supported	Notes
Sun	Solaris 10	SPARC - Sun4u	GA-U8	
VMware	VMware ESX 3.0.3	x86_32 x86_64	All	
VMware	VMware ESX 3.5	x86_32 x86_64	All , GA-U5(only x86_64)	
VMware	VMware ESXi 3.5	x86_32 x86_64	All	

# Storage Visibility and Automation 7.84 SE Connector Runtime Environment Support

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OS Vendor	Managed Platform	Architecture	Versions supported	Notes
Microsoft	Windows Server 2003 (Standard, R2, Enterprise, Datacenter)	x86_32	SP1-SP2	
Red Hat	RHEL 4 (AS, ES, WS editions)	x86_32 x86_64	GA-U8	
Red Hat	RHEL 5 (Advanced Platform, Base)	x86_32 x86_64	GA-U3,U5	
Sun	Solaris 10	SPARC - Sun4u	GA-U6,U8	
Sun	Solaris 10	SPARC- Sun4v (Niagara)	GA-U6	
VMware	VMware ESX 3.0.3	x86_32 x86_64	VM Running RHEL 4, 5	
VMware	VMware ESX 3.5	x86_32 x86_64	VM Running RHEL 4, 5	
VMware	VMware ESXi 3.5	x86_32 x86_64	x86_32 :VM Running Windows 2003 SP2, RHEL 4, 5 x86_64VM Running RHEL 4, 5	

## Storage Visibility and Automation 7.84 SAN Arrays Support

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Vendor	Model and Versions Supported	Notes
EMC	CLARiiON, Symmetrix, DMX	
Hitachi	ALL*	WMS NAS
HP	XP, EVA,MSA	
NETAPP	V3020	

\* See the Storage Essentials SRM Enterprise Edition Support Matrix for more information about supported subsystems and models for these vendors.

## Storage Visibility and Automation 7.84 SAN Switches Support

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Vendor	Versions Supported	Notes
Brocade	ALL*	
McData	ALL*	

\*See the Storage Essentials SRM Enterprise Edition Support Matrix for more information about supported subsystems and models for these vendors.

# Storage Visibility and Automation 7.84 Fibre Channel Adapter Support

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Vendor	HBA Models	OS Supported	Notes
Emulex	LP10000ExDC, LP1050Ex, LP10000DC, LP10000,LP1050DC, LP1050, LP9802DC, LP9802, LP982,LP9402DC, LP9002L, LP9002DC, LP9000, LP952L,LP8000, LP8000DC, LP850, LPe11000	RHEL 4.0, 5.0 (AS/ES/WS/Ent), SuSE Linux 9, 10	
	LP10000DC, LP10000, LP9802DC, LP9802, LP9402DC,LP9002L, LP9002C, LP9002S, LP9002DC, LP9000,LP8000, LP8000DC, LP8000S, LP7000E, LPe1102-S-0 , LP11002-S	Solaris 9, Solaris 10 Solaris 10 U8 Sparc	
	LP10000ExDC, LP1050Ex, LP10000DC, LP10000,LP1050DC, LP1050, LP9802DC, LP9802, LP982,LP9402DC, LP9002L, LP9002DC, LP9000, LP952L,LP8000, LP8000DC, LP850, LP7000E, LP NC7782	Windows 2003 Server, R2, Advanced Server, Windows 2008 Server, Advanced Server	
	FC6227-Emulex-7000, FC6228-Emulex-9002,FC6239-Emulex-9802, FC5716-Emulex-10000,FC5759/5758-Emulex 11002/11000	AIX 5.2 AIX 5.3 AIX 6.1	
HP	Tachyon Fibre Channel, A6684A, A6685A, A5158A,A6795A	HP-UX	
	PCI-X Single-Port 4GB Fibre Channel HBA for HP-UX AB378B	HP-UX	
	PCI-X Dual-Port 4GB Fibre Channel HBA for HP-UX AB379B	HP-UX	
	Dual port 4 GB Fibre Channel, PCI-e AD300A	HP-UX	
	Single port 4 GB Fibre Channel, PCI-e AD299A	HP-UX	
	Dual Port 4 GB Fibre Channel, PCI-e AD355A	HP-UX	
	PCI-X Dual Channel 2GB Fibre Channel HBA A6826A	HP-UX	
	PCI-X Single-Port 4GB Fibre Channel HBA for HP-UX AB378B, A6684A	HP-UX	
HP PCI-X Dual-Port 4GB Fibre Channel HBA for HP-UX AB378B, AB378-60101, AB379-60101	HP-UX		
IBM	DF1080F9, DF1000FA	AIX 5.2 AIX 5.3 AIX 6.1	
QLogic	QLA2200 Series, QLA2202F, QLA2204F, QLA2300 (F), QLA2302F, QLA2310 (F), (FL),QLA231x/2340, QLA 2342 ,QCP2340 ,QMH2462	RHEL 4.0, 5.0 (AS/ES/WS/Ent), SuSE Linux 9, 10 RHEL4 update 8 IA64 RHEL4 update 8 x64	
	QLA2200 Series, QLA2202F, QLA2204F, QLA2300 (F), QLA2302F, QLA2310 (F), (FL), QLA2340 (L), QLA2342 (L), QLA2344, 375-3108-xx	Solaris 9, Solaris 10	

# Storage Visibility and Automation 7.84 Fibre Channel Adapter Support

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Vendor	HBA Models	OS Supported	Notes
	QLA2200 Series, QLA2202F, QLA2204F, QLA2302F, QLA2310 (F), (FL), QLA2340 (L), QLA2342 (L), QLA2344, QLA2350, QLA2352, HPAE312A	Windows 2003 Server, R2, Advanced Server, Windows 2008 Server, Advanced Server	



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Vendor	HBA Models	OS Supported	Notes
Sun	SG-XPC11FC-JN2 SG-CPCI2FC-JN2 (OEM by AMCC) SG-XPCI2FC-EM4-Z SG-XPCI2FC-QF2-Z SG-XPCIE2FC-QF4	Solaris 9, Solaris 10 Solaris 10 U8 Sparc Solaris 10 U8 x64 Solaris 10 U5 Sparc	

**Note: The minimum requirements for supporting FCAs (HBAs) are:**

- The FCA vendor provides both FCA drivers and API libraries that comply with the SNIA FCA API standard.
- The driver and API libraries that came together from a specific vendor are installed and maintained as a matched set. Do not upgrade or install drivers without also upgrading or installing the corresponding API libraries that were shipped with the driver from vendor.
- HBA drivers used must be SNIA HBA API compliant.
- Emulex HBAnyware is required with all Emulex Drivers to provide the SNIA API. The following list provides additional information about support for FCAs:
  - IBM FCAs on AIX do not require API libraries.
  - HBAs were tested with recent firmware and drivers, as of this writing. Contact your management server software representative for additional firmware and driver details.
  - Storage Visibility and Automation does not support multiple OEMs of HBAs in the same server.
  - Dual-ported HBAs differ in how they appear to the management server software and is dependent on how the vendor implements their API. Some dual-ported HBAs appear as two separate adapters.
  - Depending on the HBA Firmware and the API versions that are used to retrieve the information, Storage Visibility and Automation might report the HBA type differently from what it actually is on the HBA.

# Storage Visibility and Automation 7.84 File System Software Support

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Vendor	Volume Manager	Versions Supported	OS Supported	Notes
EMC	PowerPath	v3.0.0, v4.0.x through 4.4.x , 5.3	Solaris 9, 10 Solaris 10 U8 x64	
		5.3	RHEL 4, RHEL 5 , RHEL 5.4(Advanced Platform) RHEL 4 update 8	
		5.3 SP1	OEL 5.4 - i386,x64 CentOS 5.4 - x64 RHEL 5.5 -i386 OEL 5.5 - i386 OES 2 SP2 - i386	
		v3.0.0, v4.0.x through 4.4.x	AIX 5.2, 5.3, 6.1	
		v3.0.0, v4.0.x through 4.4.x , 5.3	Windows 2003, 2008 (x86_32, x86_64)	
		v3.0.0, v4.0.x through 4.4.x	HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	
HP	HP-UX LVM	Same as OS	HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	
	HP MPIO	Same as OS	HP-UX 11i v3	
	HP MPIO DSM for Windows for EVA Disk Arrays	3.00.00 - 4.01.00	Windows 2003 Windows 2008 (x86_32, x86_64*) Windows 2008 R2 (x64)	EVA 4x00/6x00/8x00 Arrays only. * Windows 2008 x86_64: DSM and Veritas can not be co-exist.
	HP MPIO DSM for Windows for XP Disk Arrays	3.00.00 - 4.00.00	Windows 2003 Windows 2008 (x86_32, x86_64*) Windows 2008 R2 (x64)	* Windows 2008 x86_64: DSM and Veritas can not be co-exist.
IBM	Native MPIO	Same as OS	AIX 5.2 AIX 5.3 AIX 6.1	
Microsoft	Native LDM	Same as OS	Windows 2003 Server, R2, Advanced Server, Windows 2008 Server, Advanced Server Windows 2008 SP2 Windows 2008 R2 (x64)	
Novell	LVM	2.02	SuSE 9, 10 , SuSE Linux Enterprise Server 10 SP3	

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Vendor	Volume Manager	Versions Supported	OS Supported	Notes
Red Hat	LVM2	2.6 Kernels	RHEL 4.0, 5.0 (AS/ES/WS/Ent) , RHEL 4 update 8 , RHEL 5.4(Advanced Platform) RHEL 5 U5 IA64 RHEL 5 U2 PPC RHEL 5 U3 PPC RHEL 5 U4 PPC RHEL 5 U5 PPC OEL 5.5 - i386 OEL 5.5 - x64 CentOS 5.5 - i386 CentOS 5.5 - x64 SuSE 10 SP3 - POWER SuSE 11 SP1 - i386 SuSE 11 SP1 - x64 SuSE 11 -POWER Novell OES2 SP2 - i386 Novell OES2 SP2 - x64	
SUN	Solaris Volume Manager	Same as OS	Solaris 9, Solaris 10 , Solaris 10 U8 Sparc , Solaris 10 U8 x64	
	ZFS	Same as OS	Solaris 10 (x86_32, X86_64, SPARC) , Solaris 10 U8 Sparc , Solaris 10 U8 x64	
Hitachi	HDLM	5.9.3-01.0 thru 6.2.0-00	RH Linux AS/ES 4 RH Linux 5 SuSE Linux Ent Server 9 SuSE Linux Ent Server 10 Oracle Ent Linux 5 CentOS 5.3 -i386	Please see HDLM User's Guide for specific Kernel version needed
		5.6.1-01 thru 6.1.0-00	Solaris 9 Solaris 10 Solaris 10 U8 Sparc	
		5.9.1-00 thru 6.2.0-00	Windows 2003 x86_32, x86_64 Windows 2003 R2 x86_32, x86_64 Windows 2008 x86_32, x86_64 SuSE Linux Enterprise Server 10 SP3 x32 RHEL4 update 8 IA64	
		v4.0 v4.1	RHEL 4, 5, SuSE Linux 9, 10 (x86_64) Solaris 9, 10 (SPARC & x86_64) HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	

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Vendor	Volume Manager	Versions Supported	OS Supported	Notes
Veritas	Storage Foundation & DMP	v5.0	AIX 5.2, 5.3, 6.1 HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3 RHEL 4, RHEL 5 (x86_64) SuSE Linux 9, 10 (x86_64) Solaris 9, 10 RHEL4 update 8 x64 , SuSE Linux Enterprise Server 10 SP3 x64, Solaris 10 U8 x64, Solaris 10 U8 Sparc, Cent OS 5.2 x64 OEL 4.8 - x64 CentOS 5.3 -x64 CentOS 5.4 - x64 SLES 11 SP1 -x86,x64 CentOS 5.5 -x64	
		v5.0 MP4	OEL 5.5 -x64 OES 2 SP - x64 RHEL 5.5 ppc SLES 10 SP3 ppc SLES 11 ppc	
		v5.1	Windows 2003, 2008 (x86_32, x86_64)	

## Storage Visibility and Automation 7.84 Database Support

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Vendor	Versions Supported	OS Supported	Notes
Oracle	Oracle 10g	AIX 6.1 HP-UX 11i v3 RHEL v4.0, (AS/ES/WS/Desktop) Solaris 10 Windows 2003 Windows 2008 Solaris 10 U8	
	Oracle ASM 10g	AIX 6.1 HP-UX 11i v3 RHEL v4.0, (AS/ES/WS/Desktop) Solaris 10 Windows 2003 Windows 2008 Solaris 10 U8	
	Oracle 11g	AIX 6.1 HP-UX 11i v3 RHEL v4.0, (AS/ES/WS/Desktop) Solaris 10 Windows 2003 Windows 2008	
	Oracle ASM 11g	AIX 6.1 HP-UX 11i v3 RHEL v4.0, (AS/ES/WS/Desktop) Solaris 10 Windows 2003 Windows 2008	