Storage Visibility and Automation 7.80 Managed Server Support

July 2009

Doc Version: v1.4

This matrix does not contain all configuration and resource requirements. Please refer to the appropriate SA Storage 7.80 documentation for more information.

OS Vendor	Managed Platform	Architecture	Versions Supported	Storage Host Agent Support	SE Connector Run time Env Support	Notes
HP	HP-UX 11i v3	PA-RISC	All	Y	N	
HP	HP-UX 11i v3	IA-64	All	Y	N	
HP	HP-UX 11i v2	PA-RISC	All	Y	N	
HP	HP-UX 11i v2	IA-64	All	Y	N	
HP	HP-UX 11i v1	PA-RISC	All	Y	N	
IBM	AIX 5.3	Power	All	Y	N	
IBM	AIX 5.2	Power	All	Y	N	
Microsoft	Windows Server 2008 (Standard, Advanced Server)	x86_32	GA-SP1	Y	N	
Microsoft	Windows Server 2008 (Standard, Advanced Server)	x86_64	GA-SP1	Y	N	
Microsoft	Windows Server 2003 (Standard, R2. Advanced Server)	x86_32	SP1-SP2	Y	Y	
Microsoft	Windows Server 2003 (Standard, Enterprise, R2)	x86_64	SP1-SP2	Y	N	
Novell	SuSE Linux Enterprise Server 10	x86_64	GA-SP2	Y	N	
Novell	SuSE Linux Enterprise Server 10	x86_32	GA-SP2	Y	N	
Novell	SuSE Linux Enterprise Server 9	x86_64	All	Y	N	
Novell	SuSE Linux Enterprise Server 9	x86_32	All	Y	N	
Red Hat	RHEL 5 (AS, ES, WS editions)	x86_32	GA, 5.2, 5.3	Y	Y	
Red Hat	RHEL 5 (AS, ES, WS editions)	x86_64	GA, 5.2, 5.3	Y	Y	

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OS Vendor	Managed Platform	Architecture	Versions Supported	Storage Host Agent Support	SE Connector Run time Env Support	Notes
Red Hat	RHEL 5 (AS, ES, WS editions)	IA-64	GA-U8	Y	N	
Red Hat	RHEL 4 (AS, ES, WS editions)	x86_32	GA-U8	Y	Y	
Red Hat	RHEL 4 (AS, ES, WS editions)	x86_64	GA-U8	Y	Y	
Red Hat	RHEL 4 (AS, ES, WS editions)	IA-64	GA-U8	Y	N	
Red Hat	RHEL 3 (AS, ES, WS editions)	x86_32	GA-U8	Y	N	
Red Hat	RHEL 3 (AS, ES, WS editions)	x86_64	GA-U8	Y	N	
Red Hat	RHEL 3 (AS, ES, WS editions)	IA-64	GA-U8	Y	N	
Sun	Solaris 10	SPARC - Sun4u	GA-U6	Y	Y	
Sun	Solaris 10	x86_64	GA-U6	Y	N	
Sun	Solaris 10	x86_32	GA-U5	Y	N	
Sun	Solaris 10	SPARC- Sun4v (Niagara)	GA-U6	Y	Y	
Sun	Solaris 9	SPARC - Sun4u	GA-U8	Y	N	
Sun	Solaris 9	Fujitsu SPARC	GA-U8	Y	N	
Sun	Solaris 8	SPARC - Sun4u	GA-U7	Y	N	
Sun	Solaris 8	Fujitsu SPARC	GA-U7	Y	N	
VMware	VMware ESX 3.0.3	x86_32	All	Y	N	
VMware	VMware ESX 3.0.3	x86_64	All	Y	N	
VMware	VMware ESX 3.0.3	x86_32	VM Running RHEL 4, 5	Y	Y	
VMware	VMware ESX 3.0.3	x86_64	VM Running RHEL 4, 5	Y	Y	
VMware	VMware ESX 3.5	x86_32	All	Y	N	

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OS Vendor	Managed Platform	Architecture	Versions Supported	Storage Host Agent Support	SE Connector Run time Env Support	Notes
VMware	VMware ESX 3.5	x86_64	All	Y	N	
VMware	VMware ESX 3.5	x86_32	VM Running RHEL 4, 5	Y	Y	
VMware	VMware ESX 3.5	x86_64	VM Running RHEL 4, 5	Y	Y	
VMware	VMware ESXi 3.5	x86_32	All	Y	N	
VMware	VMware ESXi 3.5	x86_64	All	Y	N	
VMware	VMware ESXi 3.5	x86_32	VM Running RHEL 4, 5	Y	Y	
VMware	VMware ESXi 3.5	x86_64	VM Running RHEL 4, 5	Y	Y	

Storage Visibility and Automation 7.80 SAN Arrays Support

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Vendor	Model and Versions Supported	Notes
EMC	Clariion, Symmetrix, DMX	
Hitachi	ALL*	No AMS and WMS NAS
HP	XP, EVA	No MSA
NETAPP	V3020	

* Please see the Storage Essentials SRM Enterprise Edition Support Matrix for detailed information about supported subsystems and models for these vendors

Storage Visibility and Automation 7.80 SAN Switches Support

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Vendor	Versions Supported	Notes
Brocade	ALL*	
McData	ALL*	

* Please see the Storage Essentials SRM Enterprise Edition Support Matrix for detailed information about supported subsystems and models for these vendors

Storage Visibility and Automation 7.80 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	Linux 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	Solaris 9, Solaris 10	
	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	Linux 4.0, 5.0 (AS/ES/WS/Ent), SuSE Linux 9, 10	
	QLA2200 Series, QLA2202F, QLA2204F, QLA2300 (F), QLA2302F, QLA2310 (F), (FL), QLA2340 (L), QLA2342 (L), QLA2344, 375-3108-xx	Solaris 9, Solaris 10	
	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	

Storage Visibility and Automation 7.80 Fibre Channel Adapter Support

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Vendor	HBA Models	OS Supported	Notes
Sun	SG-XPCI1FC-JN2 SG-CPCI2FC-JN2 (OEM by AMCC)	Solaris 9, Solaris 10	

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 7.80 File System Software Support

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Vendor	Volume Manager	Versions Supported	OS Supported	Notes
HP	HP-UX LVM	Same as OS	HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	
IBM	AIX LVM	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	
Red Hat	LVM2	2.6 Kernels	Linux 4.0, 5.0 (AS/ES/WS/Ent)	
SUN	Solaris Volume Manager	Same as OS	Solaris 9, Solaris 10	
Novell	LVM	2.02	SuSE 9, 10	
Veritas	Storage Foundation & DMP	v4.0 v4.1	RH 4, RH5, SuSE Linux 9, 10 (x86_64) Solaris 9, 10 (SPARC & x86_64) HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	
	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	
	Storage Foundation	v5.1	Windows 2003, 2008 (x86_32, x86_64)	
EMC	PowerPath	v3.0.0, v4.0.x through 4.4.x	Solaris 9, 10	
	PowerPath		RH4, RH5	
	PowerPath		AIX 5.2, 5.3, 6.1	
	PowerPath		Windows 2003, 2008 (x86_32, x86_64)	
	PowerPath		HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	

Storage Visibility and Automation 7.80 Database Support

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