Storage Visibility and Automation Managed Server Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

OS Vendor	Managed Platform	Architecture	Versions Supported	Notes
Cent OS	Cent OS 5	x86_32 x86_64	U2 -U5	
HP	HP-UX 11i v1	PA-RISC	All	
	HP-UX 11i v2	PA-RISC IA-64	All	
	HP-UX 11i v3	PA-RISC IA-64	All	
IBM	AIX 5.3	Power	All	
	AIX 6.1	Power	All	
	RHEL 5 - POWER	ppc	U2, U3, U4, U5	
	SLES 10 - POWER	ppc	SP3	
	SLES 11 - POWER	ppc	GA	
Microsoft	Windows Server 2003 (Standard, Advanced Server)	x86_32 x86_64	SP1-SP2	
	Windows Server 2003 R2 (Standard, Advanced Server)	x86_32 x86_64	SP2	
	Windows Server 2008 (Standard, Advanced Server)	x86_32 x86_64	GA-SP2	
	Windows 2008 R2	x86_64	GA	

Storage Visibility and Automation Managed Server Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

OS Vendor	Managed Platform	Architecture	Versions Supported	Notes
Novell	SuSE Linux Enterprise Server 9	x86_32 x86_64	All	
	SuSE Linux Enterprise Server 10	x86_32 x86_64	SP2-SP3	
	SuSE Linux Enterprise Server 11	x86_32 x86_64	GA-SP1	
	Open Enterprise Server (OES 2)	x86_32 x86_64	SP2	
Oracle	Oracle Enterprise Linux 4	x86_32 x86_64	GA-U8	
	Oracle Enterprise Linux 5	x86_32 x86_64	U3-U5	
	Solaris 10	x86_64	GA-U8	
	Solaris 10	x86_32 x86_64	GA-U7	
	Solaris 10	SPARC - Sun4v (Niagara)	GA-U7	
	Solaris 10	SPARC - Sun4u	GA-U8	

Storage Visibility and Automation Managed Server Support

(9.10 - 9.16)

March 2014

Document Release Date: March 14, 2014

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

OS Vendor	Managed Platform	Architecture	Versions Supported	Notes
Red Hat	RHEL 6 (Advanced Platform, Base)	x86_32 x86_64	U0-U3	
	RHEL 5 (Advanced Platform, Base)	x86_32 x86_64 IA-64	U2-U5	
	RHEL 5 Desktop	x86_32 x86_64	GA-U8	
VMware	ESX Server 4.0	x86_32 x86_64	GA	
	ESXi Server 4.0 Embedded	x86_32 x86_64	GA	
	ESXi Server 4.0 Installable	x86_32 x86_64	GA	
	ESX Server 3.5	x86_32 x86_64	GA-U4 GA-U5 (only x86_64)	
	ESXi Server 3.5 Embedded	x86_32 x86_64	GA-U4	

Storage Visibility and Automation SE Connector Runtime Environment Support

(9.10 - 9.16)

March 2014

Document Release Date: March 14, 2014

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

OS Vendor	Managed Platform	Architecture	Versions Supported	Notes
Microsoft	Windows Server 2003 (Standard, Advanced Server)	x86_32	SP2	
	Windows Server 2008 (Standard, Advanced Server)	x86_32 x86_64	SP2	
	Windows Server 2008 R2	x86_64	GA	
Novell	SuSE Linux Enterprise Server 11	x86_32 x86_64	GA	
Oracle	Solaris 10	SPARC - Sun4v (Niagara)	GA-U6	
	Solaris 10	SPARC - Sun4u	GA-U8	
Red Hat	RHEL 6 (Advanced Platform, Base)	x86_32 x86_64	U0-U3	
	RHEL 5 (Advanced Platform, Base)	x86_32 x86_64	U3-U5	

Storage Visibility and Automation SE Connector Runtime Environment Support

(9.10 - 9.16)

March 2014

Document Release Date: March 14, 2014

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

OS Vendor	Managed Platform	Architecture	Versions Supported	Notes
VMware	ESX Server 4.0	x86_32 x86_64	GA	VMs supported: RHEL 5 GA, 5.2, 5.3 Windows Server 2003 (Standard, Adv. Server)
	ESXi Server 4.0 Embedded	x86_32 x86_64	GA	VMs supported: RHEL 5 GA, 5.2, 5.3 Windows Server 2003 (Standard, Adv. Server)
	ESXi Server 4.0 Installable	x86_32 x86_64	GA	VMs supported: RHEL 5 GA, 5.2, 5.3 Windows Server 2003 (Standard, Adv. Server)
	ESX Server 3.5	x86_32 x86_64	GA-U4	VMs supported: RHEL 5 GA, 5.2, 5.3 Windows Server 2003 (Standard, Adv. Server)
	ESXi Server 3.5 Embedded	x86_32 x86_64	GA-U4	VMs supported: RHEL 5 GA, 5.2, 5.3 Windows Server 2003 (Standard, Adv. Server)

Storage Visibility and Automation SAN Arrays Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

Vendor	Model and Versions Supported	Notes
EMC	Clarion, Symmetrix, DMX	
Hitachi	ALL*	No WMS NAS
HP	XP, EVA, 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 Fibre Channel Adapter Support

(9.10 - 9.16)

March 2014

Document Release Date: March 14, 2014

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

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 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 10	
	LP10000ExDC, LP1050Ex, LP10000DC, LP10000,LP1050DC, LP1050, LP9802DC, LP9802, LP982,LP9402DC, LP9002L, LP9002DC, LP9000, LP952L,LP8000, LP8000DC, LP850, LP7000E, LP NC7782	Windows Server 2003, R2, (Advanced Server), Windows Server 2008 (Advanced Server)	
	FC6227-Emulex-7000, FC6228-Emulex-9002,FC6239-Emulex-9802, FC5716-Emulex-10000,FC5759/5758-Emulex 11002/11000	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	

Storage Visibility and Automation Fibre Channel Adapter Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

Vendor	HBA Models	OS Supported	Notes
IBM	DF1080F9, DF1000FA	AIX 5.3 AIX 6.1	
Oracle	SG-XPCI1FC-JN2 SG-CPCI2FC-JN2 (OEM by AMCC) SG-XPCI2FC-EM4-Z SG-XPCI2FC-QF2-Z SG-XPCIE2FC-QF4	Solaris 10 Solaris 10 U8 SPARC Solaris 10 U8 x64 Solaris 10 U5 SPARC	
Qlogic	QLA2200 Series, QLA2202F, QLA2204F, QLA2300 (F), QLA2302F, QLA2310 (F), (FL),QLA231x/2340, QLA 2342 ,QCP2340 ,QMH2462	RHEL 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 10	
	QLA2200 Series, QLA2202F, QLA2204F, QLA2302F,QLA2310 (F), (FL), QLA2340 (L), QLA2342 (L),QLA2344, QLA2350, QLA2352, HPAE312A	Windows Server 2003, R2, (Advanced Server), Windows Server 2008 (Advanced Server)	

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:

Storage Visibility and Automation Fibre Channel Adapter Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

HP Software Support Online

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

Vendor	HBA Models	OS Supported	Notes
• 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 File System Software Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

Vendor	Volume Manager	Versions Supported	OS Supported	Notes
EMC	PowerPath	v3.0.0, v4.0.x through 5.3 SP1	Solaris 10 Solaris 10 U8 x64	
		5.3	RHEL 5 RHEL 5.4 (Advanced Platform)	
		v3.0.0, v4.0.x through 5.3	AIX 5.3, 6.1	
			Windows Server 2003 (x86_32, x86_64) Windows Server 2008 (x86_32, x86_64)	
			HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	
		5.3 SP1	OEL 5.4 - i386,x64 CentOS 5.4 - x64 RHEL 5.5 -i386 OEL 5.5 - i386 OES 2 SP2 - i386	
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 Windows 2003, 2008	
	HP MPIO DSM for Windows for EVA Disk Arrays	3.00.00 through 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 co-exist.

Storage Visibility and Automation File System Software Support

(9.10 - 9.16)

March 2014

Document Release Date: March 14, 2014   **HP Software Support Online**

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

Vendor	Volume Manager	Versions Supported	OS Supported	Notes
HP	HP MPIO DSM for Windows for XP Disk Arrays	3.00.00 through 4.00.00	Windows 2003 Windows 2008 (x86_32, x86_64*) Windows 2008 R2 (x64)	* Windows 2008 x86_64: DSM and Veritas can not co-exist.
Hitachi	HDLM	5.9.3-01.0 through 6.2.0-00	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 through 6.1.0-00	Solaris 10 Solaris 10 U8 SPARC	
		5.9.1-00 through 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	
IBM	Native MPIO	Same as OS	AIX 5.3 AIX 6.1	
Microsoft	Native LDM	Same as OS	Windows Server 2003, R2, Advanced Server Windows Server 2008, Advanced Server Windows 2008 SP2 Windows 2008 R2 (x64)	

Storage Visibility and Automation File System Software Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

HP Software Support Online

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

Vendor	Volume Manager	Versions Supported	OS Supported	Notes
Novell	LVM Native MPIO	2.02	SuSE 9, 10 Suse 11 SP1 - x32, x64 Suse 11 - Power	
Oracle	Native MPIO	Same as OS	Solaris 10 Solaris 10 U8 SPARC Solaris 10 U8 x64	
	Solaris Volume Manager	Same as OS	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, x64)	

Storage Visibility and Automation File System Software Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Warranty

Vendor	Volume Manager	Versions Supported	OS Supported	Notes
Red Hat	LVM2	2.6 Kernels	RHEL 5.0 (AS/ES/WS/Ent), 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 RHEL 6 x32 RHEL 6 x64 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	
Veritas	Storage Foundation & DMP	v4.0 v4.1	RHEL 5, SuSE Linux 9, 10 (x86_64) Solaris 10 (SPARC & x86_64) HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3	

Storage Visibility and Automation File System Software Support

(9.10 - 9.16)

March 2014

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Vendor	Volume Manager	Versions Supported	OS Supported	Notes
Veritas	Storage Foundation & DMP	v5.0	AIX 5.3, 6.1 HP-UX 11i v1 HP-UX 11i v2 HP-UX 11i v3 RHEL 5 (x86_64) SuSE Linux 9, 10 (x86_64) Solaris 10, 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 Server 2003 (x86_32, x86_64) Windows Server 2008 (x86_32, x86_64) RHEL 6 (x86_32, x86_64)	

Storage Visibility and Automation Database Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Vendor	Versions Supported	OS Supported	Notes
Oracle	Oracle 10g	AIX 6.1 HP-UX 11i v3 Solaris 10 Windows 2003 Windows 2008 Solaris 10 U8	
	Oracle ASM 10g	AIX 6.1 HP-UX 11i v3 Solaris 10 Windows 2003 Windows 2008 Solaris 10 U8	
	Oracle 11g	AIX 6.1 HP-UX 11i v3 Solaris 10 Windows 2003 Windows 2008	
	Oracle ASM 11g	AIX 6.1 HP-UX 11i v3 Solaris 10 Windows 2003 Windows 2008	

Storage Visibility and Automation SAN Switches Support

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

Vendor	Versions Supported	Notes
Brocade	ALL*	
McData	ALL*	*McDATA 4Gb SAN Switch is excluded from SE Connector because it is a rebranded Qlogic switch by McData. Qlogic switches are not supported.
Cisco	ALL*	MDS 9216A, MDS HP FC BladeSystem (1 Slot) Chassis Firmware: 4.2(1)

* 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 Cross Product Compatibility

(9.10 - 9.16)

March 2014

© Copyright 2000-2014 Hewlett-Packard Development Company, L.P.

HP Software Support Online

This matrix does not contain all configuration and resource requirements. For more information, download Server Automation Storage documentation from HP Software Support Online.

HP Storage Essentials	Notes
9.4	Storage Visibility and Automation 9.16 is compatible with versions of the HP Products listed in this row
9.4.1	Storage Visibility and Automation 9.16 is compatible with versions of the HP Products listed in this row
9.5	Storage Visibility and Automation 9.16 is compatible with versions of the HP Products listed in this row
9.5.1	Storage Visibility and Automation 9.16 is compatible with versions of the HP Products listed in this row