

Server Automation Managed Server Support

(7.50.00 - 7.50.09)

February 2011

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Last Modified: 2/14/11

This matrix does not contain all configuration and resource requirements. Please refer to the appropriate SA 7.50 documentation for more information.

OS Vendor	Managed Platform	Versions Supported	Architecture	Local File System ²	Agent	OS Provisioning	Patching ¹	Locale	Added in Patch Release (SR if Blank)	Notes
HP	HP-UX 11iv3	All	PA-RISC□	HFS,VXFS	Y	Ignite	Basic	EN, JA, KO		Ignite OS Provisioning only
HP	HP-UX 11iv3	All	IA-64	HFS,VXFS	Y	Ignite	Basic	EN, JA, KO		Ignite OS Provisioning only
HP	HP-UX 11iv2	All	PA-RISC□	HFS,VXFS	Y	Ignite	Basic	EN, JA, KO		Ignite OS Provisioning only
HP	HP-UX 11iv2	All	IA-64	HFS,VXFS	Y	Ignite	Basic	EN, JA, KO		Ignite OS Provisioning only
HP	HP-UX 11i	All	PA-RISC	HFS,VXFS	Y	Ignite	Basic	EN, JA, KO		Ignite OS Provisioning only
HP	HP-UX 11.0	All	PA-RISC	HFS,VXFS	Y	Ignite	Basic	EN, JA, KO		Ignite OS Provisioning only. SW-DIST should be upgraded to HP's recommended patch level.
HP	HP-UX 10.20	All	PA-RISC	HFS,VXFS	Y	Ignite	Basic	EN, JA, KO		1. Requires PHCO_21018 per Release Notes. 2. Patches are treated like software and imported into the package channel. There is no patch channel for 10.20 in NGUI.
IBM	AIX 5.3	All	Power	JFS,JFS2,VXFS	Y	NIM	Basic	EN, JA, KO		NIM OS Provisioning only
IBM	AIX 5.2	All	Power	JFS,JFS2,VXFS	Y	NIM	Basic	EN, JA, KO		NIM OS Provisioning only
IBM	AIX 5.1	All	Power	JFS,JFS2,VXFS	Y	NIM	Basic	EN, JA, KO		NIM OS Provisioning only. Requires APAR IY39429.
IBM	AIX 4.3	All	Power	JFS,JFS2,VXFS	Y	NIM	Basic	EN, JA, KO		Requires APAR IY39444.
Microsoft	Windows Server 2008 (Standard, Enterprise, Datacenter, Server Core, Web)	GA-SP1	x86_32 x86_64	NTFS	Y	Y	Y	EN		See Windows Note 1
Microsoft	Windows Server 2008 R2 (Standard, Enterprise, Datacenter, Server Core, Web)	GA	x86_64	NTFS	Y	Y	Y	EN	7.50.05	See Windows Note 1

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Microsoft	Windows XP Professional	SP2-SP3	x86_32	NTFS	Y	Y	Y	EN, JA, KO		See Windows Note 1
Microsoft	Windows Server 2003 (Standard, Enterprise, Datacenter, Web)	SP1-SP2	x86_32 x86_64	NTFS	Y	Y	Y	EN, JA, KO		See Windows Note 1
Microsoft	Windows Server 2003 R2 (Standard, Enterprise, Datacenter, Web)	SP2	x86_32 x86_64	NTFS	Y	Y	Y	EN, JA, KO		See Windows Note 1
Microsoft	Windows Server 2000 (Professional, Server, Advanced Server, Datacenter)	SP4	x86_32	NTFS	Y	Y	Y	EN, JA, KO		See Windows Note 1
Microsoft	Windows NT 4 Server	SP6a	x86_32	NTFS	Y	N	N	EN, JA, KO		The most recent agent that will install on NT4 is the SA 6.5 agent. No new or modified functionality is designed or QA'd to work on NT.
Novell	SuSE Linux Enterprise Server 10	SP3	x86_32 x86_64	reiserfs	Y	Y	Basic	EN, JA, KO	7.50.06	Requires an updated stage2 boot image for newer hardware.
Novell	SuSE Linux Enterprise Server 10	SP1-SP2	x86_32 x86_64	reiserfs	Y	Y	Basic	EN, JA, KO	7.50.02	Requires an updated stage2 boot image for newer hardware.
Novell	SuSE Linux Enterprise Server 10	GA	x86_32 x86_64	reiserfs	Y	Y	Basic	EN, JA, KO		Requires an updated stage2 boot image for newer hardware.
Novell	SuSE Linux Enterprise Server 9	All	x86_32 x86_64	reiserfs	Y	Y	Basic	EN, JA, KO		
Novell	SuSE Linux Enterprise Server 8	All	x86_32	reiserfs	Y	Y	Basic	EN, JA, KO		
Novell	SuSE Linux 8.0	All	x86_32	reiserfs	Y	Y	Basic	EN, JA, KO		

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OS Vendor	Managed Platform	Versions Supported	Architecture	Local File System ²	Agent	OS Provisioning	Patching ¹	Locale	Added in Patch Release (SR if Blank)	Notes
Red Hat	RHEL 5 - (Advanced Platform, base server)	5.5	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO	7.50.08	
Red Hat	RHEL 5 - (Advanced Platform, base server)	5.5 Beta	x86_32 x86_64	ext2,ext3,vxfs	Y	N	Y	EN, JA, KO	7.50.07	OS Provisioning not yet supported (QC109980).
Red Hat	RHEL 5 - (Advanced Platform, base server)	5.4	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO	7.50.06	
Red Hat	RHEL 5 - (Advanced Platform, base server)	5.2, 5.3	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO	7.50.02	
Red Hat	RHEL 5 - (Advanced Platform, base server)	GA-5.1	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		
Red Hat	RHEL 5 - Desktop	5.5	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO	7.50.08	OS Provisioning not yet supported (QC109980).
Red Hat	RHEL 5 - Desktop	5.5 Beta	x86_32 x86_64	ext2,ext3,vxfs	Y	N	Y	EN, JA, KO	7.50.07	
Red Hat	RHEL 5 - Desktop	5.4	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO	7.50.06	
Red Hat	RHEL 5 - Desktop	5.2, 5.3	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO	7.50.02	
Red Hat	RHEL 5 - Desktop	GA-5.1	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		
Red Hat	RHEL 4 (AS, ES, WS editions)	GA-U8	x86_32	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		Must turn off SE (Security Enhanced) Linux on AS4
Red Hat	RHEL 4 (AS, ES, WS editions)	GA-U8	x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		
Red Hat	RHEL 3 (AS, ES, WS editions)	GA-U8	x86_32 x86_64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		See Linux Note 1

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OS Vendor	Managed Platform	Versions Supported	Architecture	Local File System ²	Agent	OS Provisioning	Patching ¹	Locale	Added in Patch Release (SR if Blank)	Notes
Red Hat	RHEL 3 (AS, ES, WS editions)	GA-U8	IA-64	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		See Linux Note 1 Discovered Software is not supported on IA 64bit servers (see QC88891 for more details).
Red Hat	RHEL 2.1 (AS, ES, WS editions)	All	x86_32	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		
Red Hat	RH 8.0	All	x86_32	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		Deprecated ⁶
Red Hat	RH 7.3	All	x86_32	ext2,ext3,vxfs	Y	Y	Y	EN, JA, KO		Deprecated ⁶
Sun	Solaris 10 ⁵	U8	SPARC - Sun4u SPARC- Sun4v (Niagara) Fujitsu SPARC	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO	7.50.06	See Solaris Note 1
Sun	Solaris 10 ⁵	U8	x86_64	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO	7.50.06	See Solaris Note 1
Sun	Solaris 10 ⁵	U7	SPARC - Sun4u SPARC- Sun4v (Niagara) Fujitsu SPARC	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO	7.50.05	See Solaris Note 1
Sun	Solaris 10 ⁵	U7	x86_32 x86_64	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO	7.50.05	See Solaris Note 1
Sun	Solaris 10 ⁵	U6	SPARC - Sun4u SPARC- Sun4v (Niagara) Fujitsu SPARC	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO	7.50.02	See Solaris Note 1
Sun	Solaris 10 ⁵	U6	x86_32 x86_64	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO	7.50.02	See Solaris Note 1

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OS Vendor	Managed Platform	Versions Supported	Architecture	Local File System ²	Agent	OS Provisioning	Patching ¹	Locale	Added in Patch Release (SR if Blank)	Notes
Sun	Solaris 10 ⁵	GA-U5	SPARC - Sun4u SPARC- Sun4v (Niagara) Fujitsu SPARC	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO		See Solaris Note 1
Sun	Solaris 10 ⁵	GA-U5	x86_32 x86_64	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO		See Solaris Note 1
Sun	Solaris 9	GA-U8	SPARC - Sun4u Fujitsu SPARC	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO		See Solaris Note 1
Sun	Solaris 8	GA-U7	SPARC - Sun4u Fujitsu SPARC	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO		See Solaris Note 1
Sun	Solaris 7	All	SPARC - Sun4u	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO		See Solaris Note 1
Sun	Solaris 6	All	SPARC - Sun4u	ufs,vxfs,zfs	Y	Y	Basic	EN, JA, KO		See Solaris Note 1
VMware	ESX Server 3.5	U5	x86_64 x86_32	ext3,vmfs	Y	Y	N	EN	7.50.08	
VMware	ESX Server 3.5	U4	x86_64 x86_32	ext3,vmfs	Y	Y	N	EN	7.50.04	
VMware	ESX Server 3.5	GA-U3	x86_64 x86_32	ext3,vmfs	Y	Y	N	EN		
VMware	ESX Server 3.0	GA-U3	x86_64 x86_32	ext3,vmfs	Y	Y	N	EN		

¹ "Basic" means simple patch remediation, but may not have full metadata (dependencies, supercedence, etc). "Y" means Integrated Patch Import from Vendor. "N" means no patching support is available

² SAN is supported on all managed server platforms.

³ The supported managed server platforms herein, are also supported in virtual machines when the virtual machine vendor also supports that version or release of the managed platform.

⁴ Supported on Integrity VM servers only.

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OS Vendor	Managed Platform	Versions Supported	Architecture	Local File System ²	Agent	OS Provisioning	Patching ¹	Locale	Added in Patch Release (SR if Blank)	Notes
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⁵ Guest-domain Solaris LDOMs are supported for server management, but without virtualization management and OS provisioning. The solution at this point does not have any support for creating, starting or stopping LDOMs.

⁶ HP is announcing the deprecation of the HP SA agent for this platform. Although HP SA will currently continue to support this platform, it should be noted that HP SA will stop supporting this version in an upcoming major or minor release.

Linux Note 1: RHEL 3 requires Update 3

Solaris Note 1: Requires Patches: SUNWadm, SUNWcsl, SUNWcslr (if available for the version), SUNWcsu, SUNWesu, SUNWlibms, SUNlibmsr (if available for the version), SUNWswmt

Windows Note 1: Patching requires MSXML 3.0 (or later), IE 6.0 (or later), Windows Installer 3.1, Automatic Update service set to manual or automatic, locale set to English, Japanese, or Korean.

Server Automation Virtualization Support

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February 2011

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Last Modified: 6/10/10

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Vendor	Hypervisor Platform	OS Version	Architecture	Actions Supported on Virtual Servers	Notes
IBM	LPAR	AIX 5.1-5.3, AIX 4.3	Power	None	
Sun	Solaris 10 Global Zone	Solaris 10	Sparc x86_32 x86_64	Create, Modify, Start, Stop, Remove	
VMware	ESX 3.0 ESX 3.5	N/A	x86_32 x86_64	Create, Modify, Remove, Power On, Power Off, Suspend, Reset	

Please refer to the Managed Servers Support Matrix for SA features supported on Hypervisors running as managed servers.

Server Automation Core Server Support

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February 2011

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Last Modified: 6/10/10

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OS Vendor	Core Platform	Versions Supported	Architecture	Locale	Local File System	Virtualization Support [^]	Added in Patch Release (SR if Blank)	Notes
Red Hat	RHEL 4 AS	U5-U6	x86_64	EN, JA	ext3			See platform notes 1 and 2.
Red Hat	RHEL 3 AS	GA-U8	x86_32	EN, JA	ext3			See platform notes 1 and 2.
Sun	Solaris 10	U6	SPARC Sun4u SPARC Sun4v (Niagara)	EN, JA	ufs	Sun DSD	7.50.02	See platform notes 1 and 3.
Sun	Solaris 10	U6	SPARC Sun4u	EN, JA	zfs	Sun DSD	7.50.02	See platform notes 1 and 3.
Sun	Solaris 10	GA-U5	SPARC Sun4u SPARC Sun4v (Niagara)	EN, JA	ufs	Sun DSD		See platform notes 1 and 3.
Sun	Solaris 9	All	SPARC Sun4u	EN, JA	ufs	Sun DSD		Deprecated ¹
Sun	Solaris 8	All	SPARC Sun4u	EN, JA	ufs	Sun DSD		Deprecated ¹

[^] Virtualization Support column always implies direct on hardware as well as any stated virtualization technology for the OS listed

¹ HP is announcing the deprecation of this platform. Although HP SA will currently continue to support this platform, it should be noted that HP SA will stop supporting this version in an upcoming major or minor release.

Platform Notes

Note 1 - See this OS under the Managed Server Support Matrix. Core servers require SA agents and the same caveats from managed servers apply to core servers as well.

Note 2 - A guest OS (virtual machine) of a VMWare ESX server is not supported as an SA core server.

Note 3 - SA Core servers may not be installed in Solaris Local Zones and Solaris Local Zones may not be installed on a Server where an SA Core is installed.

General Notes

Antivirus software is not supported on SA cores. See QC 57187 for more details.

IPMP (IP Multi-Pathing) and NIC bonding are not supported for core and/or satellite servers.

Core Platforms

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Server Automation 7.50 Core Database Support

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For hardware, space, configuration and package requirements, see Appendix A: Oracle Setup for the Model Repository in the SA 7.50 Planning Installation Guide.

Database Vendor	Database Versions	Database Editions	Operating Systems/Architecture	Notes
Oracle	10.2.0.2 10.2.0.4	Oracle Standard Edition Oracle Standard One Edition Oracle Enterprise Edition	Solaris 9 (Sun SPARC) Solaris 10 (Sun SPARC) RHEL 3 AS (x86_32) RHEL 4 AS (x86_64)	
Oracle	9.2.0.8	Oracle Standard Edition Oracle Enterprise Edition	Solaris 9 (Sun SPARC) Solaris 10 (Sun SPARC) RHEL 3 AS (x86_32) RHEL 4 AS (x86_64)	

Server Automation Satellite Server Support

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February 2011

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Last Modified: 6/10/10

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OS Vendor	Core Platform	Versions Supported	Architecture	Locale	Local File System	Virtualization Support [^]	Added in Patch Release (SR if Blank)	Notes
Red Hat	RHEL 4 AS	U5-U6	x86_64	EN, JA	ext3	ESX Server 3.0 ESX Server 3.5 ESXi Server 3.5		1. Clock on all core servers need to be in sync to avoid clock skew. 2. You can customize your own timekeeping solution based on the VMWare, Inc. document, "Timekeeping in VMware Virtual Machines (VMware® ESX 3.5/ESXi 3.5, VMware Workstation 6.5)" 3. VMWare Tools periodic time synchronization option must be disabled See platform note 1.
Red Hat	RHEL 3 AS	GA-U8	x86_32	EN, JA	ext3			See platform note 1.
Novell	SuSE Linux Enterprise Server 9	All	x86_32	EN, JA	reiserfs			See platform note 1.
Sun	Solaris 10	U6	SPARC Sun4u SPARC Sun4v (Niagara)	EN, JA	ufs	Sun DSD	7.50.02	See platform note 1.
Sun	Solaris 10	U6	SPARC Sun4u	EN, JA	zfs	Sun DSD	7.50.02	See platform note 1.
Sun	Solaris 10	GA-U5	SPARC Sun4u SPARC Sun4v (Niagara)	EN, JA	ufs	Sun DSD		See platform note 1.

Server Automation Satellite Server Support

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^ Virtualization Support column always implies direct on hardware as well as any stated virtualization technology for the OS listed

Platform Notes

Note 1 - See this OS under the Managed Server Support Matrix. Core servers require SA agents and the same caveats from managed servers apply to core servers as well.

General Notes

Server Automation Cross Product Compatibility

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HP Server Automation	HP Network Automation	HP Operation Orchestration	HP Service Automation Reporter	Notes
7.50	7.20, 7.50	7.10, 7.20, 7.50	7.50	SA 7.50 is compatible with versions of the HP products listed in this row.