

Server Automation Managed Server Support

(9.10 - 9.15)

August 2013

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OS Vendor	Managed Platform ³	Architecture	Versions Supported	Agent ⁹	OS Provisioning ¹⁸	Patching ¹	Locale	Added in Release (SR if Blank)	Notes
CentOS	CentOS 6	x86_32 x86_64	GA-6.4	Y	Y	Extended	EN	6.4 in 9.15 6.3 in 9.14 6.1 & 6.2 in 9.13 GA in 9.10.02	See footnotes on Discovered Software ¹⁷ and YUM ^{22, 23}
	CentOS 5	x86_32 x86_64	5.3-5.9	Y	Y	Extended	EN	5.9 in 9.15 5.8 in 9.14 5.7 in 9.10.02 5.6 in 9.10.01	See footnote on YUM ^{22, 23}
Citrix	XenServer 6	x86_32 x86_64	GA, 6.0.2, 6.1.0	Y	Y	N	EN	6.0.2 & 6.1.0 in 9.14 GA in 9.11	See footnotes on Discovered Software ¹⁷ , Provisioning on XenServer guest VM ²¹ , and YUM ^{22, 23}
	XenServer 5	x86_32 x86_64	5.5, 5.6, 5.6 FP1, 5.6 SP2	Y	Y	N	EN	5.6 FP1 & 5.6 SP2 in 9.10.02	See footnotes on Discovered Software ¹⁷ , Provisioning on XenServer guest VM ²¹ , and YUM ^{22, 23}
HP	HP-UX 11	PA-RISC 2.0	iv3 (11.31) ⁵ iv2 (11.23) ⁵ i (11.11) ⁵	Y	Ignite	Extended	EN, JA, KO		Ignite OS Provisioning only
	HP-UX 11	IA_64	iv3 (11.31) ⁵	Y	Y	Extended	EN, JA, KO, FR		OS provisioning via Golden images
			iv2 (11.23) ⁵	Y	Y	Extended	EN, JA, KO		OS provisioning via Golden images

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OS Vendor	Managed Platform ³	Architecture	Versions Supported	Agent ⁹	OS Provisioning ¹⁸	Patching ¹	Locale	Added in Release (SR if Blank)	Notes
IBM	AIX 7.1	Power	All	Y	NIM	Basic	EN	9.10.01	See footnotes on Discovered Software ¹⁷ and YUM ²³
	AIX 6.1	Power	All	Y	NIM	Basic	EN, JA, KO		NIM OS Provisioning only. See footnote on YUM ²³
	AIX 5.3	Power	All	Y	NIM	Basic	EN, JA, KO		NIM OS Provisioning only. See footnote on YUM ²³
Microsoft	Windows Server 2012 (Datacenter, Standard, Foundation, Server Core, Essentials)	x86_64	GA	Y	Y ¹⁹	Full	EN	9.14	See Windows Note 1
Microsoft	Windows Server 2008 R2 for Itanium Based-Systems	IA64	GA	Y	Y	Full	EN, JP	9.11	See Windows Note 1
	Windows Server 2008 R2 (Standard, Enterprise, Datacenter, Web, Server Core) ⁴	x86_64	SP1	Y	Y ¹⁹	Full	EN		See Windows Note 1
			GA	Y	Y ¹⁹	Full	EN, KO, JA, IT, GE, FR, CHS		See Windows Note 1
	Windows Server 2008 (Standard, Enterprise, Datacenter, Web, Server Core)	x86_32 x86_64	GA-SP2	Y	Y ¹⁹	Full	EN, KO, JA, IT, GE, FR, CHS ¹⁰ , TW ⁶		See Windows Note 1

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Microsoft	Windows Server 2003 R2 (Standard, Enterprise, Datacenter, Web)	x86_32 x86_64	SP1-SP2	Y	Y ¹⁹	Full	EN, JA, KO, CHS		See Windows Note 1
	Windows Server 2003 (Standard, Enterprise, Datacenter, Web)	x86_32 x86_64	SP1-SP2	Y	Y ¹⁹	Full	EN, KO, JA, IT, GE, FR, CHS		See Windows Note 1
Microsoft	Windows XP Professional	x86_32	SP2-SP3	Y	Y	Full	EN, KO, JA, IT, GE, FR		See Windows Note 1
Novell	SuSE Linux Enterprise Server 11	x86_32 x86_64	GA-SP2	Y	Y	Extended	EN, FR	SP2 in 9.13	See footnote on YUM ^{22, 23}
		zSeries	SP1-SP2	Y	N	Extended	EN	SP2 in 9.14	See footnotes on Discovered Software (zSeries) ¹⁶ and YUM ^{22, 23}
		power	GA-SP2	Y	Y	Extended	EN, JA, KO	SP2 in 9.14	See footnotes on Discovered Software (power) ¹⁵ and YUM ^{22, 23}
	SuSE Linux Enterprise Server 10	power	SP3-SP4	Y	Y	Extended	EN, JA, KO	SP4 in 9.10.01	See footnotes on Discovered Software (power) ¹⁵ and YUM ^{22, 23}
		zSeries	SP3-SP4	Y	N	Extended	EN	SP4 in 9.10.01	See footnotes on Discovered Software (zSeries) ¹⁶ and YUM ^{22, 23}
	SuSE Linux Enterprise Server 10	x86_32 x86_64	SP4	Y	Y	Extended	EN, JA, KO	SP4 in 9.10.01	See footnote on YUM ^{22, 23}
GA-SP3			Y	Y	Extended	EN, JA, KO, FR		See footnote on YUM ^{22, 23}	

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OS Vendor	Managed Platform ³	Architecture	Versions Supported	Agent ⁹	OS Provisioning ¹⁸	Patching ¹	Locale	Added in Release (SR if Blank)	Notes
	SuSE Linux Enterprise Server 9	x86_32 x86_64	GA-SP4	Y	Y	Basic	EN, JA, KO		See footnote on YUM ²³
Novell	Open Enterprise Server 11	x86_64	GA-SP1	Y	Y	Extended	EN	GA & SP1 in 9.14	See footnote on YUM ²³
	Open Enterprise Server 2	x86_32 x86_64	SP2-SP3	Y	Y	Extended	EN	SP3 in 9.10.01	See footnote on YUM ²³
Oracle	Oracle Linux 6	x86_32 x86_64	GA-6.4	Y	Y	Full	EN	6.4 in 9.15 6.3 in 9.14 6.2 in 9.13 GA & 6.1 in 9.10.01	See footnotes on Discovered Software ¹⁷ and YUM ^{22, 23}
	Oracle Enterprise Linux 5	x86_32 x86_64	5.1-5.9	Y	Y	Full	EN	5.9 in 9.15 5.8 in 9.14 5.7 in 9.10.02 5.6 in 9.10.01	See footnote on YUM ^{22, 23}
	Oracle Enterprise Linux 4	x86_32 x86_64	4.4-4.8	Y	Y	Extended	EN		See footnote on YUM ²³
Oracle	Solaris 11 ⁸	SPARC - Sun4u SPARC- Sun4v (Niagara)	GA	Y	Y	Full	EN	9.13	See Solaris Note 1 See footnote on YUM ²³
		x86_64	GA	Y	Y	Full	EN	9.13	See Solaris Note 1 See footnote on YUM ²³

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OS Vendor	Managed Platform ³	Architecture	Versions Supported	Agent ⁹	OS Provisioning ¹⁸	Patching ¹	Locale	Added in Release (SR if Blank)	Notes
Oracle	Solaris 10 ⁸	SPARC - Sun4u SPARC- Sun4v (Niagara)	U9-U11	Y	Y	Full	EN	U11 in 9.15 U10 in 9.10.02	See Solaris Note 1 See footnote on YUM ²³
			GA-U8	Y	Y	Full	EN, JA, KO		See Solaris Note 1 See footnote on YUM ²³
		x86_32 x86_64	U9-U11	Y	Y	Full	EN	U11 in 9.15 U10 in 9.10.02	See Solaris Note 1 See footnote on YUM ²³
			GA-U8	Y	Y	Full	EN, JA, KO		See Solaris Note 1 See footnote on YUM ²³
Red Hat	RHEL 6	x86_32 x86_64	GA-6.4	Y	Y ¹⁹	Full	EN	6.4 in 9.15 6.3 in 9.14 6.2 in 9.11 6.1 in 9.10.01	See footnotes on Discovered Software ¹⁷ and YUM ^{22, 23}
		zSeries	GA-6.2	Y	N	Full	EN	6.2 in 9.14 6.1 in 9.11 GA in 9.10.01	See footnotes on Discovered Software (zSeries) ¹⁶ and YUM ^{22, 23}
		power	GA-6.4	Y	Y	Full	EN	6.4 in 9.15 6.3 in 9.14 6.2 in 9.13 6.1 in 9.13 GA in 9.11	See footnotes on Discovered Software (power) ¹⁵ and YUM ^{22, 23}
Red Hat	RHEL 6 Desktop - (Client)	x86_32 x86_64	GA	Y	Y	Full	EN	9.14	See footnotes on Discovered Software ¹⁷ and YUM ^{22, 23}
Red Hat	RHEL 6 Desktop - (Workstation)	x86_32 x86_64	GA	Y	Y	Full	EN	9.13	See footnotes on Discovered Software ¹⁷ and YUM ^{22, 23}

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OS Vendor	Managed Platform ³	Architecture	Versions Supported	Agent ⁹	OS Provisioning ¹⁸	Patching ¹	Locale	Added in Release (SR if Blank)	Notes
Red Hat	RHEL 5 - (Advanced Platform)	x86_32 x86_64	GA-5.9	Y	Y ¹⁹	Full	EN, JA, KO	5.9 in 9.15 5.8 in 9.13 5.7 in 9.10.01	See footnote on YUM ^{22, 23}
		IA_64	GA-5.9	Y	Y	Full	EN, JA, KO	5.9 in 9.15 5.8 in 9.14 5.7 in 9.11	See note on Discovered Software (IA_64) ¹⁴ and YUM ^{22, 23}
		power	5.2-5.9	Y	Y	Full	EN, JA, KO	5.9 in 9.15 5.8 in 9.14 5.7 in 9.11	See footnotes on Discovered Software (power) ¹⁵ and YUM ^{22, 23}
		zSeries	5.4-5.6	Y	N	Full	EN	5.5 & 5.6 in 9.10.01	See footnotes on Discovered Software (zSeries) ¹⁶ and YUM ^{22, 23}
Red Hat	RHEL 5 - (base server)	x86_32 x86_64	GA-5.9	Y	Y ¹⁹	Full	EN, JA, KO	5.9 in 9.15 5.8 in 9.13 5.7 in 9.10.01	See note on YUM ^{22, 23}
		IA_64	GA-5.9	Y	Y	Full	EN, JA, KO	5.9 in 9.15 5.8 in 9.14 5.7 in 9.11	See note on Discovered Software (IA_64) ¹⁴ and YUM ^{22, 23}
		power	5.2-5.9	Y	Y	Full	EN, JA, KO	5.9 in 9.15 5.8 in 9.14 5.7 in 9.11	See footnotes on Discovered Software (power) ¹⁵ and YUM ^{22, 23}
		zSeries	5.4-5.6	Y	N	Full	EN	5.5 & 5.6 in 9.10.01	See footnotes on Discovered Software (zSeries) ¹⁶ and YUM ^{22, 23}
Red Hat	RHEL 5 Desktop	x86_32 x86_64	GA-5.3	Y	Y	Full	EN, JA, KO	See footnote on YUM ^{22, 23}	

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OS Vendor	Managed Platform ³	Architecture	Versions Supported	Agent ⁹	OS Provisioning ¹⁸	Patching ¹	Locale	Added in Release (SR if Blank)	Notes
VMware	ESXi 5.1	x86_64	GA-U1	N	Y ²⁰	N	EN	U1 in 9.15 GA in 9.14	
VMware	ESXi 5.0	x86_64	GA-U2	N	Y ²⁰	N	EN	U2 in 9.15 U1 in 9.13 GA in 9.10.02	
VMware	ESX 4.1	x86_64	GA-U3	Y	Y	N	EN	U3 in 9.14 U2 in 9.11 U1 in 9.10.01	See footnote on YUM ²³
	ESXi 4.1 Embedded	x86_64	GA-U3	N	N	N	EN	U3 in 9.14 U2 in 9.11 U1 in 9.10.01	
VMware	ESXi 4.1 Installable	x86_64	GA-U3	N	Y ²⁰	N	EN	U3 in 9.14 U2 in 9.11 U1 in 9.10.01	
VMware	ESX 4.0	x86_64 x86_32	GA-U4	Y	Y	N	EN	U4 in 9.13 U3 in 9.10.02 U2 in 9.10.02	See footnote on YUM ²³
	ESXi 4.0 Embedded	x86_64 x86_32	GA-U4	N	N	N	EN	U4 in 9.13 U3 in 9.10.02 U2 in 9.10.02	
	ESXi 4.0 Installable	x86_64 x86_32	GA-U4	N	N	N	EN	U4 in 9.13 U3 in 9.10.02 U2 in 9.10.02	

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VMware	ESX 3.5	x86_64 x86_32	GA-U5	Y	Y	N	EN		See footnote on YUM ²³
	ESXi 3.5 Embedded	x86_64 x86_32	GA-U5	N	N	N	EN		
	ESXi 3.5 Installable	x86_64 x86_32	GA-U5	N	N	N	EN		
VMware	ESX 3.0	x86_64 x86_32	GA-U3	Y	Y	N	EN		

¹ "Basic": simple patch remediation, but may not have full metadata (dependencies, supersedence, etc). "Extended" includes metadata support (dependencies, supersedence, etc.).

"Full": includes integrated patch import from vendor. "N": no patching support is available

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 SA supports only Windows Server 2008 Hyper-V, 2008R2 Hyper-V, and 2012 Hyper-V, the integrated components (i.e. installed Role) of Windows Server 2008, 2008R2, 2012.

⁵ Virtualization support is on nPars, vPars 5.x, and Integrity VM 4.x servers only.

⁶ Traditional Chinese locale is supported on Windows Server 2008 SP2 only.

⁸ 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.

⁹ In SA 9.10, HP is announcing the deprecation of the HP SA agent for the following versions: SA 7.50.

In SA 9.0, HP is announcing the deprecation of the HP SA agent for the following versions: SA 7.01, SA 7.00, SA 6.xx, SA 5.xx.

Although HP SA will continue to support these versions of the agent, it is recommended that customers migrate to newer versions of the agent on their managed platforms.

HP SA will stop supporting these versions of the agent in an upcoming major or minor release. Agents from SA 5.xx and older are not supported in this release.

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OS Vendor	Managed Platform ³	Architecture	Versions Supported	Agent ⁹	OS Provisioning ¹⁸	Patching ¹	Locale	Added in Release (SR if Blank)	Notes
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¹⁰ Simplified Chinese locale is supported on Windows Server 2008 x86_32 architecture only.

¹⁴ Discovered Software is not supported on IA 64bit servers (please see QC88891 for more details).

¹⁵ Discovered Software is not supported on POWER-PC Architecture (please see QC104855 for more details).

¹⁶ Discovered Software has not been tested on zSeries platforms and is not supported.

¹⁷ Discovered Software has not been tested on AIX 7.1, Citrix XenServer, CentOS 6, Oracle Linux 6 and RHEL 6 platforms and is not supported.

¹⁸ OS Build Plan (OSBP) is supported only on the platforms indicated.

¹⁹ OS Build Plan (OSBP) is supported on this platform.

²⁰ OS Build Plan (OSBP) is supported on this platform but not OS Sequence.

²¹ Citrix supports network boot only for Windows guests; therefore, only Windows OS provisioning is supported for XenServer guest VMs

²² On all marked platforms, SA Patching for Linux supports native YUM 3.0.1 or later.

²³ SA does not support src.rpm because the software remediation is leveraging YUM, which does not support src.rpm natively.

Solaris Note 1: Requires Patches: SUNWadmc, 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, Windows Update/Automatic Update should be set to Never Check for Updates/Turn off Automatic Updates.

Custom Extensions, Code Deployment and Rollback (CDR), Configuration Tracking, and DOS-Based OS Provisioning are deprecated in 7.80

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Vendor	Hypervisor Platform	Architecture	OS Version	Actions Supported on Virtual Servers	Added in Release (SR if Blank)	Notes
HP	HPVM	Integrity IA64	HP-UX 11iv3	Create, Modify, Delete, Start, Halt, and Shutdown Create, Modify, Delete vSwitches Configure VLAN	9.11	
	vPars	Integrity IA64	HP-UX 11iv3	Create, Modify, Delete, Start, Halt, Shutdown	9.11	
Microsoft ^{3,5}	Windows Server 2012 Hyper-V	x86_64	Windows Server2012 (Standard, Datacenter)	Create, Modify, Delete, Shut Down, Turn Off, Pause, Start, Reset	9.14	
Microsoft ^{3,5}	Windows Server 2008 Hyper-V ¹	x86_64	Windows Server 2008 (Standard, Enterprise, Datacenter, Web)	Create, Modify, Delete, Shut Down, Turn Off, Pause, Start, Reset		
	Windows Server 2008 R2 Hyper-V ¹	x86_64	Windows Server 2008 R2 (Standard, Enterprise, Datacenter, Web)	Create, Modify, Delete, Shut Down, Turn Off, Pause, Start, Reset		
Oracle	Solaris 11 Global Zone	Sparc x86_32 x86_64	Solaris 11	Create, Modify, Start, Stop, Remove	9.13	
	Solaris 10 Global Zone	Sparc x86_32 x86_64	Solaris 10	Create, Modify, Start, Stop, Remove		

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Vendor	Hypervisor Platform	Architecture	OS Version	Actions Supported on Virtual Servers	Added in Release (SR if Blank)	Notes
VMware ^{3,6}	ESXi 5.1	x86_64	GA-U1	Create, Modify, Remove, Power On, Power Off, Suspend, Reset, Clone ⁴	U1 in 9.15 GA in 9.14	
VMware ^{3,6}	ESXi 5.0	x86_64	GA-U2	Create, Modify, Remove, Power On, Power Off, Suspend, Reset, Clone ⁴	U2 in 9.15 U1 in 9.13 GA in 9.10.02	
VMware ^{3,6}	ESX 4.1 ESXi 4.1	x86_64	GA-U3	Create, Modify, Remove, Power On, Power Off, Suspend, Reset, Clone ⁴	U3 in 9.14 U2 in 9.11 U1 in 9.10.01 GA in 9.10	
VMware ^{3,6}	ESX 4.0 ESXi 4.0	x86_32 x86_64	GA-U4	Create, Modify, Remove, Power On, Power Off, Suspend, Reset, Clone ⁴	U4 in 9.13 U3 in 9.10.02 U2 in 9.10.02 GA in 9.10	
VMware ^{3,6}	ESX 3.5 ESXi 3.5	x86_32 x86_64	GA	Create, Modify, Remove, Power On, Power Off, Suspend, Reset, Clone ⁴		
VMware ^{3,6}	ESX 3.0 ²	x86_32 x86_64	GA	Create, Modify, Remove, Power On, Power Off, Suspend, Reset, Clone ⁴		

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

¹ Hyper-V running on Japanese Locale is added in 9.01 for Windows 2008 x86_64 and Windows 2008 R2 x86_64.

² Virtualization features on ESX 3.0 are enabled only if the server is managed by a registered vCenter

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Vendor	Hypervisor Platform	Architecture	OS Version	Actions Supported on Virtual Servers	Added in Release (SR if Blank)	Notes
³ UAPI support for VMware ESX/ESXi and Microsoft HyperV servers are deprecated. Please refer to the release notes for details.						
⁴ Clone action is supported on Virtual Servers only when the ESX/ESXi server is managed by a registered vCenter						
⁵ The Hyper-V role configured on a Failover Cluster Manager is not supported.						
⁶ Only versions 4.0, 4.1, 5.0 and 5.1 of the VMware vCenter Servers are supported.						

Server Automation Core and Satellite Server Support

(9.10 - 9.15)

August 2013

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This matrix does not contain all configuration and resource requirements. For more information, download the Server Automation Release Notes for this release from HP Software Support Online. See the *HPSW Platform Support Statement* enclosed in this document for an explanation of the general platform support policy for all HPSA versions.

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OS Vendor	Core Platform	Architecture	Versions Supported	Locale	Local File System	Virtualization Support ¹	Added in Release (SR if Blank)	Notes
Novell	SLES 10	x86_64	SP4	EN	reiserfs	ESX Server 4.0	9.14	See platform note 1
			SP2-SP3	EN, JA, FR	reiserfs			See platform note 1
Oracle	Solaris 10 ⁵	SPARC - Sun4u	U7 - U10	EN	ufs, zfs, vxfs ²	Sun DSD	9.14	Software Repository is not supported on Solaris due to Solaris NFS issues. See footnote 5 regarding platform deprecation. See platform notes 1 and 2
			U6	EN, JA	ufs, zfs, vxfs ²	Sun DSD		Software Repository is not supported on Solaris due to Solaris NFS issues. See footnote 5 regarding platform deprecation. See platform notes 1 and 2
			GA-U5	EN, JA	ufs	Sun DSD		Software Repository is not supported on Solaris due to Solaris NFS issues. See footnote 5 regarding platform deprecation. See platform notes 1 and 2
Red Hat	RHEL 5 base server ⁴ RHEL 5 Advanced Platform ⁴	x86_64	U9	EN	ext3,vxfs ²	ESX Server 4.0-4.1 ESXi Server 4.0-4.1	9.15	See platform notes 1 and 3
			U7-U8	EN	ext3,vxfs ²	ESX Server 4.0-4.1 ESXi Server 4.0-4.1	9.13	See platform notes 1 and 3
			U6	EN, JA	ext3,vxfs ²	ESX Server 4.0-4.1 ESXi Server 4.0-4.1		See platform notes 1 and 3
			U4-U5	EN, JA	ext3,vxfs ²	ESX Server 3.0-4.1 ESXi Server 3.5-4.1		See platform notes 1 and 3

Server Automation Core and Satellite Server Support

(9.10 - 9.15)

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OS Vendor	Core Platform	Architecture	Versions Supported	Locale	Local File System	Virtualization Support ¹	Added in Release (SR if Blank)	Notes
Red Hat	RHEL 5 base server ⁴	x86_64	U2-U3	EN, JA	ext3,vxfs ²	ESX Server 3.0-3.5 ESXi Server 3.5		See platform notes 1 and 3

¹ The Virtualization Support column lists the supported virtualization container technologies (VM guests or partitions) with the specified Core or Satellite Platform.

² This requires Veritas Storage Foundation Basic 5.0 MP3 RP2 or later.

⁴ SELinux 'permissive' mode is supported.

⁵ 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 - Please see this OS under the Managed Server Platform Support. Core servers require SA agents and the same caveats from managed servers apply to core servers as well.

Note 2 - 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.

Note 3 - SA 9.10 cores running on VMware ESX VM's are supported when specific requirements are met. For details on these requirements, please download and read the "SA_9.10_Simple_Adv_Installation_Guide" on the <http://h20230.www2.hp.com/selfsolve/manuals> website.

General Notes

Antivirus software is not supported on SA cores.

IPMP (IP Multi-Pathing) and NIC bonding are supported on core and satellite servers.

SAN (MPIO) is supported.

Server Automation Core Database Support

(9.10 - 9.15)

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Operating Systems/Architecture	OS Version	Database Versions	Database Editions	Added in Release (SR if blank)	Notes
AIX	7.1	Oracle 11.2.0.2	Oracle Enterprise Edition Oracle Standard Edition Oracle Standard Edition One	9.13	Supported in remote database mode only.
	6.1	Oracle 11.2.0.2, Oracle 11.1.0.7	Oracle Enterprise Edition Oracle Standard Edition Oracle Standard Edition One	Oracle RAC 11.2.0.2 in 9.13	Supported in remote database mode only.
HPUX Itanium	11.31	Oracle 11.2.0.2, Oracle 11.1.0.7	Oracle Enterprise Edition Oracle Standard Edition Oracle Standard Edition One		Supported in remote database mode only
RedHat Linux x86_64 ¹	RHEL 5	Oracle 11.2.0.2, Oracle 11.1.0.7, Oracle 10.2.0.4	Oracle Enterprise Edition Oracle Standard Edition Oracle Standard Edition One		Oracle patch 13369579 is required for Oracle 11.2.0.2.
		Oracle 11.2.0.3, Oracle 11.2.0.2, Oracle 11.1.0.7, Oracle 10.2.0.4	Oracle Enterprise Edition	Oracle RAC 11.2.0.3 in 9.15, 11.2.0.2 in 9.11	Oracle patch 13369579 is required for Oracle 11.2.0.2 and 11.2.0.3. Oracle RAC supports Remote DB Install only. ³
SuSE Linux x86_64	SLES 10	Oracle 11.2.0.2, Oracle 11.1.0.7, Oracle 10.2.0.4	Oracle Enterprise Edition Oracle Standard Edition Oracle Standard Edition One		Oracle patch 13369579 is required for Oracle 11.2.0.2.
Oracle Solaris on SPARC (64 bit)	10	Oracle 11.2.0.3, Oracle 11.2.0.2, Oracle 11.1.0.7, Oracle 10.2.0.4	Oracle Enterprise Edition Oracle Standard Edition Oracle Standard Edition One	Oracle RAC 11.2.0.3 in 9.13	Oracle patch 13369579 is required for Oracle 11.2.0.2 and 11.2.0.3.

Server Automation Core Database Support

(9.10 - 9.15)

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Operating Systems/Architecture	OS Version	Database Versions	Database Editions	Added in Release (SR if blank)	Notes
All	All	Oracle 11.2.0.1	All		Not supported.

¹ SELinux 'permissive' mode is supported.

³ Local = a database that is installed on the same server as other SA components.
Remote = a database that is installed on a server other than SA servers.

Server Automation Web Client Browser Support

(9.10 - 9.15)

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Browser	Version	SA Compatibility ¹	Notes
Chrome	6 or later	SA 10.0	
Firefox	3.6 or later	SA 9.10 or later	
Internet Explorer	7, 8, 9, or 10	SA 9.10 or later	
Opera	11 or later	SA 10.0	
Safari	5 or later	SA 10.0	

¹ See the *User Guide: Application Deployment Manager* and the *User Guide: Database and Middleware Automation* for a list of browsers recommended for those components.

Browser Configuration Requirements: To use the SA Web Client, your browser must be configured in the following manner:

- . The browser must support SSL and should provide 128-bit encryption (recommended).
- . Using a pop-up blocker might prevent some functions from working correctly. Either disable the pop-up blocker or use the supported browser's native pop-up blocking function instead of a third-party product.

Server Automation Cross-Product Compatibility

(9.10 - 9.15)

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HP Server Automation	HP Network Automation	HP Operation Orchestration	HP Storage Essentials ⁴	HP Live Network connector	HP BSA Essentials ⁵	HP Universal CMDB ⁸	Notes
9.10	7.60 ¹ , 9.0, 9.10	9.0 ² , 7.60 ³	6.2, 6.2.1, 6.3, 9.4.0	3.10 or higher	2.0 ^{6,9} , 2.01 ⁹	N/A	
9.10.01	7.60 ¹ , 9.0, 9.10	9.0 ² , 7.60 ³	6.2, 6.2.1, 6.3, 9.4.0	3.10 or higher	2.0 ^{6,9} , 2.01 ⁹	N/A	
9.10.02	7.60 ¹ , 9.0, 9.10	9.0 ² , 7.60 ³	6.2, 6.2.1, 6.3, 9.4.0	3.10 or higher	2.0 ^{6,9} , 2.01 ⁹	N/A	
9.11	7.60 ¹ , 9.0, 9.10	9.0 ⁷ , 7.60 ³	6.2, 6.2.1, 6.3, 9.4.0	3.11 or higher	2.0 ^{6,9} , 2.01 ⁹ , 9.10, 9.11	9.04 or higher with Content Pack 10	
9.12	7.60 ¹ , 9.0, 9.10	9.0 ⁷ , 7.60 ³	6.2, 6.2.1, 6.3, 9.4.0	3.11 or higher	2.0 ^{6,9} , 2.01 ⁹ , 9.10, 9.11	9.04 or higher with Content Pack 10	
9.13	7.60 ¹ , 9.0, 9.10, 9.20	9.0 ⁷ , 7.60 ³	6.2, 6.2.1, 6.3, 9.4.0, 9.4.1, 9.5	3.20 or higher	2.0 ^{6,9} , 2.01 ⁹ , 9.10, 9.11	9.04 or higher with Content Pack 10	
9.14	7.60 ¹ , 9.0, 9.10, 9.20	9.0 ⁷ , 7.60 ³	9.4.0, 9.4.1, 9.5, 9.5.1	3.30 or higher	9.10, 9.11, 9.20	9.05 Content Pack 10 CUP 6 or higher, 10.01 Content Pack 12	See BSAE Version Notes (footnote 5)
9.15	9.0, 9.10, 9.20	9.0 ⁷ , 7.60 ³	9.4.0, 9.4.1, 9.5, 9.5.1	3.40 or higher	9.10, 9.11, 9.20	9.05 Content Pack 10 CUP 6 or higher, 10.01 Content Pack 12	See BSAE Version Notes (footnote 5)

¹ Please see SA documentation for the requirement to integrate SA 9.10 with NA 7.60 and NA 7.60.0x (NA 7.50 was not tested according to the Integration Calendar so it is not listed)

² Support enabled by OO-SA 9.00.05 content

Server Automation Cross-Product Compatibility

(9.10 - 9.15)

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HP Server Automation	HP Network Automation	HP Operation Orchestration	HP Storage Essentials ⁴	HP Live Network connector	HP BSA Essentials ⁵	HP Universal CMDB ⁸	Notes
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³ Support enabled by OO-SA 7.60.02 content

⁴ SA is compatible with Storage Essentials via the SE Connector.

⁵ BSAE Version Notes:

Report streams: Compliance reports are available in the sar78_reports stream. New reports in SA 9.0 are available in the bsa_sa_reports stream. The software discovery reports are available in the software_discovery_reports stream.

BSAE 9.1x+: BSAE releases 9.1x or higher no longer support Solaris.

BSAE 9.20: The HP Software team strongly recommends using BSAE 9.20 or later. This release introduces significant feature, functionality, and performance improvements and has been tested and qualified with SA 9.1x -- it is fully supported. For details, see the BSAE 9.20 Release Notes, which can be downloaded from HP Software Support Online: <http://www.hp.com/go/hpssoftwaresupport>

Note: SA integration support is not an endorsement of the BSA Essentials (BSAE) product version or configuration. See BSAE documentation for recommended versions and configurations.

⁷ Support enabled by OO-SA 9.00.06 content

⁸ uCMDB = HP Universal Configuration Management Database; CP = uCMDB Content Pack; CUP = uCMDB Cumulative Update Package

⁹ HP is announcing the deprecation of this version. Although HP SA will currently continue to support this version, it should be noted that HP SA will stop supporting this version in an upcoming major or minor release.

HP Server Automation Platform Support

HP Server Automation (HPSA) is a heterogeneous server management product which manages a wide variety of OS platforms running Microsoft Windows and vendor-specific versions of UNIX and Linux operating systems.

Document Purpose

This document defines the general platform support policy for all HPSA versions. This policy covers the scope of supported platforms for HPSA components including:

- Managed Devices
- Core and Satellite Infrastructure
- Model Repository Database

Deviations from the General Platform Support Policy

HP strives to maintain conformance with the general platform support policy. Any deviation from this policy will be clearly documented in the Release Notes for the specific version. Customers should always review any limitations stated in the Release Notes.

Glossary of Terms

Platform Backward Compatibility Assumption

Most platform vendors claim that their platforms are *backward compatible*, meaning that existing software should continue to run successfully on newer vendor platform releases. Platform releases that violate this assumption may cause failures in Server Automation functions.

Qualified Platform

A *qualified* platform is a platform that has been tested by HP to ensure it is fit-for-purpose and compatible with other major HPSA system components. A *non-qualified* platform is a supported platform release that has not been tested by HP in this manner. A non-qualified platform may or may not prove to be fit-for-purpose and compatible.

For example, the current Server Automation Support Matrix lists RedHat Enterprise Linux 5.7 as the latest qualified platform with HPSA version 9.06, and should RedHat release a version 5.8 in the future, version 5.8 would be deemed a *non-qualified* version at the time of its release.

Normal Support Period

All OS vendors publish a support lifecycle and end of support dates for their products. While each vendor uses different nomenclature, they each have a period while the product is covered under the normal terms of support for their standard support (the Normal Support Period) and maintenance fee and a period where the service is limited and/or the rate of support increases (the Premium Support Period). HP's support for OS products is aligned to the Normal Support Period.

Risks of Deploying a Non-Qualified Platform

There is an inherent risk should a customer choose to deploy a non-qualified platform onto a managed device or infrastructure server. The concept of vendor backward compatibility guarantees, coupled with the inherent risk

a customer assumes when deploying a non-qualified platform, are key premises of the inherent support statements in this HP Server Automation Generalized Platform Support Statement.

Service Release

Each Platform Vendor uses their own release nomenclature but all vendors provide a mechanism for Service Releases (SRs) which include security updates, bug fixes and minor enhancements. These SRs are stable with respect to Application Programming Interface (API) and Application Binary Interface (ABI). Service Releases can generally be applied as patches to a running system (reboot may be required to enact the changes to memory) rather than an upgrade which is generally applied to a halted OS. Some examples of how vendors designate their SRs are:

- **Red Hat** designates Red Hat Enterprise Linux (RHEL) SRs as minor versions, e.g. 5.6, 5.7, 5.8 are SRs of RHEL v.5 but RHEL v.6 is a distinct release from RHEL v.5
- **Microsoft** designates Windows Server SRs as Service Packs, e.g. Server 2008 SP3 is a SR of Server 2008 but Server 2008 R2 is a distinct release from Server 2008
- **Oracle** designates Solaris SRs as Update (U) releases, so Solaris 10 U9 is a SR of Solaris 10 but Solaris 11 is a distinct release for Solaris 10
- **VMware** designates vSphere SRs as Update (“U”) releases, so vSphere 4.0 U1 is a SR of vSphere 4.0 but vSphere 4.1 is a distinct release from vSphere 4.0.
- **Novell** designates SUSE Linux Enterprise Server (SLES) SRs as Service Packs, e.g. SLES 10 SP1, SLES 10 SP2, SLES 10 SP3 are SRs of SLES v.10 but SLES v.11 is a distinct release from SLES v10

Managed Devices

Physical OS Platform Set for Managed Devices

The set of supported Managed Device platforms is governed by the following policies:

- The HPSA Support Compatibility Matrix (SCM) specifies the definitive set of Managed Server OS platform versions which are tested to be compatible with any specific HPSA release. Customers should refer to the SCM for documentation of supported Major versions and qualified minor versions.
- Newer Service Releases of qualified major versions are implicitly supported on a managed server.
 - For example, if the SCM indicates that Red Hat Enterprise Linux Server v6.2 is qualified, then future 6.x updates of RHEL Server are implicitly supported, whereas v7.x versions will not be considered supported until explicitly documented as such in the SCM.
 - Because there may be functional differences between current and future versions of a managed server platform, there is no guarantee of compatibility. HP will assess the impact of supporting the changes made by the vendor and reserves the right to support the specific functions affected by the platform vendor's changes in a future HPSA release. HPSA patches or hotfixes may be delivered and required to provide compatibility in accordance with the normal support process.
- Subsequent Major, Minor, and Patch Releases of HPSA will maintain support for all previously supported Managed Device OS versions through the OS Vendor's Normal Support Period and in accordance with HP Software's lifecycle policy. For instance, because HPSA v9.11 supports Windows Server 2003, all newer releases of HPSA will continue to support Windows Server 2003 until it reaches Microsoft's end of support date.
- HP warrants that application of patch content to Managed Devices does not limit supportability of the resultant environment. Specifically:
 - Application of patch content does not invalidate the supportability of that managed server.
 - Upgrading or patching the HPSA Core or Satellite components is generally not required to continue support for management of these patched managed servers.
 - Upgrading the HPSA Agent is generally not required to continue support for management of these patched managed servers.
- Functional limitations inherent to the Managed Device OS platform may limit the features available in HPSA (i.e. HPSA can only automate actions to the extent that the actions themselves can be performed on the Managed Devices).

Agent Compatibility and Upgrade Requirements

As documented below, the HPSA Core and Satellite infrastructure are compatible with older HPSA Agent versions. The set of supported Managed Device platforms is determined according to the following policy:

- Newer HPSA Core and Satellite versions are tested for compatibility with all actively supported older HPSA Agent versions. While every effort is made to allow newer Core and Satellite features to work with older Agent versions, it cannot be guaranteed.
- Any features supported on the older Agent version should continue to function with newer Core and Satellite versions. Any limitations on legacy feature usage are specifically noted in the Release Notes.
- The Agent upgrade is verified to work with all actively supported Agent versions. Customers should verify that out-of-support Agent versions are upgraded prior to upgrade of Core and Satellite infrastructure.

Agent Compatibility with Virtualization

The HPSA Agent relies on Standard OS Interfaces for operation. When used in the context of a virtual guest OS, the HPSA Agent is verified to be compatible with all Virtualization technologies which are documented in the SCM.

Locale Support

HPSA supports all locales when using a qualified managed server platform. All managed server platforms are qualified on EN locale by default. Additionally, a representative set of locales are qualified on certain platforms, as described below.

By qualified, we mean that HPSA has tested the platform with the locale to ensure it is fit-for-purpose and compatible with major HPSA system components and functions.

By supported non-qualified, we mean that HPSA has not run additional testing to qualify the locale on that platform or platform version, however based on analysis of previous testing results and testing results of other like platforms and locales, we expect it to function as the qualified platforms do. If locale issues are discovered, HPSA will resolve the issue via HPSA Support according to your customer support agreement.

The representative set of languages that have been tested are:

- English (en)
- French (fr)
- German (de)
- Italian (it)
- Japanese (ja)
- Korean (ko)

Virtualized Platform Support

As documented in the SCM, HPSA supports inventory and control actions for virtualization platforms either through the HPSA Agent or via connection to the virtualization platform API.

Support for Agent-based virtualization functionality

Support policy for Agent-based virtualization functionality follows the general Agent support policies stated above.

Support for API-based virtualization capabilities

Scope of support for API-based virtualization capabilities is defined as follows:

- Functional limitations inherent to the virtualization platform or API may limit the features available in HPSA (i.e. HPSA can only automate actions to the extent that the actions themselves can be performed via the API).
- Capabilities available in a specific HPSA version are limited by the extent of integration performed in that version.
- Capabilities which are available via API integration in a specific HPSA version will continue to be available in new Major and Minor versions. Any exceptions will be noted clearly in the Release Notes.

- The HPSA Support Compatibility Matrix (SCM) specifies the definitive set of virtualization platform versions which are qualified with any specific HPSA release. Customers should refer to the SCM for documentation of supported Major versions and explicitly tested minor versions.
- Newer virtualization platform Service Releases are implicitly supported.
 - For instance, if the SCM indicates that VMware vSphere v4.0 is tested then future 4.0 “Update X” updates of vSphere are implicitly supported, whereas v4.2 and v5.x versions will not be considered supported until explicitly documented as such in the SCM.
 - Because there may be functional differences between current and future versions of virtualization platform there is no guarantee of compatibility. HP will assess the impact of supporting the changes made by the vendor and reserves the right to support the specific functions affected by the platform vendor’s changes in a future HPSA release. Patches or hotfixes may be delivered and required to provide compatibility in accordance with the normal support process.
- HP warrants that application of patch content to virtualization platforms does not limit supportability of the resultant environment. Specifically:
 - Application of patch content does not invalidate the supportability of that managed virtualization platform.
 - Upgrading or patching the HPSA Core or Satellite components is generally not required to continue support for management of these patched virtualization systems.
 - Upgrading the HPSA Agent is generally not required to continue support for management of these patched virtualization systems.

See [Virtual Containers](#) in this document for additional details about support for installation and operation of HPSA Core, Satellite, and Database components on virtual containers.

Core and Satellite Infrastructure

Version Compatibility for HPSA Infrastructure

HPSA Core and Satellite infrastructure component releases are designed to be compatible with earlier versions of agents, meaning that a new release of the infrastructure should continue to operate and communicate successfully with older releases of the HPSA Agent. In general, customers must upgrade their systems from the Core out, keeping Core version \geq Satellite version \geq Agent version.

Please also review “Agent Compatibility and Upgrade Requirements”, above.

From	To	Comments
Newer Core release	Older Core release	Limited Compatibility – Core servers in a mesh must be of the same version and can be of mixed patch levels
Older Core release	Newer Core release	Limited Compatibility – Core servers in a mesh must be of the same version and can be of mixed patch levels
Newer Core release	Older Satellite release	Compatible with currently supported Satellite versions
Older Core release	Newer Satellite release	Not Compatible. Core must be upgraded before Satellites.
Newer Core release	Older Agent release	Compatible with currently supported Agent versions
Older Core release	Newer Agent release	Not Compatible. Core must be upgraded before Agents.
Newer Satellite release	Older Agent release	Compatible
Older Satellite release	Newer Agent release	Not Compatible. Satellite must be upgraded before Agents.

Every effort is made to ensure Infrastructure Core and Satellite components are compatible with each other; however, there may be exceptions where there is symbiosis between infrastructure components of the same HPSA release. As a general rule of thumb, infrastructure components from the same release should always be deployed into a production infrastructure, and not mixed-and-matched with older component versions.

Physical OS Platform Support for HPSA Infrastructure

The set of supported Core and Satellite OS platforms is governed by the following policies:

- The HPSA Support Compatibility Matrix (SCM) specifies the definitive set of compatible Core and Satellite OS platform versions which are tested to be compatible with any specific HPSA release.
- Subsequent patch releases of HPSA will maintain support for all previously supported Core and Satellite OS platform versions through the OS vendor’s Normal Support Period in accordance with HP Software’s lifecycle policy or until formally obsolesced.

- Subsequent major and minor releases of HPSA will maintain support for the newest previously supported Core and Satellite OS platform, within the OS Vendor’s Normal Support Period in accordance with HP Software’s lifecycle policy or until formally obsolesced.
- HPSA Infrastructure Core and Satellite components support application of Service Releases according to the following
 - Customers may apply Service Releases in accordance with vendor recommendations to existing HPSA Cores and Satellites. Service Releases are implicitly supported by all current HPSA releases that support the original OS version (e.g. upgrading to RHEL 5.7 from RHEL 5.4) provided the OS kernel major and minor version is unchanged (minor-minor kernel version updates are supported).
 - Customers should only install HPSA components to versions explicitly documented in the HPSA Platform Support Matrix. It is intended that the latest HPSA Consolidated Patch should support all subsequent Service Releases for any OS Release Version that had originally been qualified for the HPSA major release, provided those Service Releases are available at least 60 days prior to release of the HPSA Consolidated Patch. For example, if RHEL v5.4 was supported originally, then RHEL v5.5 through v5.7 should be supported (assuming v5.7 is available 60+ days prior to the release of the HPSA Consolidated Patch).
 - Exceptions to this policy will be documented in the Release Notes.

Virtualized OS Platform Support for HPSA Infrastructure

Operation of HPSA Core and Satellite infrastructure in Virtual Machines (VMs) is supported provided:

- The HPSA application server Core components will be considered supported when executed within VMs, provided customers follow VMWare best practices for managing resource allocation and overall workload to ensure other VMs sharing the same virtualization platform instance do not significantly impact the performance available to the VM hosting the HP Server Automation Core software.
- For Infrastructure and Slice Components, HP reserves the right to ask customers to replicate any potentially performance-related issues in an environment where the VM supporting the HP Server Automation Core software is the sole VM active within the virtualization platform instance.
- Please refer to the Planning and Installation Guide for VM-specific planning/sizing information.

See [Virtual Containers](#) in this document for additional details about support for installation and operation of HPSA Core, Satellite, and Database components on virtual containers.

Third-Party and Open Source Component Support

HPSA uses several open source and/or third-party components (e.g. the Java Runtime Engine, or JRE). Customers must apply the latest HPSA Consolidated Patch to receive the latest qualified third-party and open source component releases which have been tested to be compatible with HPSA.

Model Repository Database

Relational Database Server Support

In an effort to ensure that database server environments are fully supported during an upgrade, migration, or new install of the HPSA software, HP extends its support for relational database servers in the following manner.

The set of supported Relational Database versions and OS platforms is governed by the following policies:

- The HPSA Support Compatibility Matrix (SCM) specifies the definitive set of Relational Database Server platform versions and OS platforms which are tested to be compatible with any specific HPSA release. Customers should refer to the SCM for documentation of supported Major versions and qualified minor versions.
- Customers may apply Database Service Releases such as Oracle Critical Patch Updates (CPUs) and Patch Set Updates (PSUs) in accordance with vendor recommendations to existing HPSA Model Repositories. Service Releases for the Database platform are implicitly supported by all current HPSA releases that support the original Database Version.
- Customers may apply OS platform patches and/or service packs in accordance with vendor recommendations to existing HPSA Model Repositories. Service Releases applied to the OS platform are implicitly supported by all current HPSA releases that support the original OS version (e.g. upgrading to RHEL 5.7 from RHEL 5.4).
- Should the Platform Backward Compatibility Assumption be breached by the database server platform vendor, then HP will assess the impact of supporting the changes made by the vendor and reserves the right to support the specific functions affected by the platform vendor's changes in a future HPSA release.

Virtualized OS Platform Support for HPSA Model Repository

For the Model Repository, HP reserves the right to ask customers to replicate any issues in an environment where the Model Repository is installed on a supported physical platform. Any issues resulting from interactions between Oracle Database and the VM platform requiring interaction with Oracle support are the sole responsibility of the customer. For information about Oracle's supported virtualization technologies for Oracle Database and RAC products, see Oracle's virtualization matrix.

See [Virtual Containers](#) in this document for additional details about support for installation and operation of HPSA Core, Satellite, and Database components on virtual containers.

Virtual Containers

Support for Installation and Operation of HPSA Core, Satellite, and Database Components on Virtual Containers

The SA Support and Compatibility Matrix (SCM) specifies the precise set of OS Platform and Virtualization Hypervisor versions (such as VMware's ESXi 5.1) that were qualified to be compatible with HPSA Core, Satellite and Database components at the time of release.

Support for installing and operating HPSA Core, Satellite and Database components on virtualization hypervisors is guided by the following rules and assumptions:

- A hypervisor version is considered a supported platform for hosting an HPSA Core (both Infrastructure and Slice) and Satellite components provided the following conditions are met:
 - The OS version used is qualified for hosting an SA Core or Satellite, as listed in the HPSA Support and Compatibility Matrix.
 - The OS version is also supported for use with the hypervisor version, as listed in the support matrix of the hypervisor vendor (such as VMware).
- A hypervisor version is considered a supported platform for hosting an HPSA Model Repository provided the following conditions are met:
 - The database and host OS platform versions are listed as a qualified platform combination in the HPSA Support and Compatibility Matrix.
 - The database version is deemed compatible with the hypervisor by the database vendor (such as Oracle) or the hypervisor vendor (VMware).
 - The customer is following database and hypervisor configuration recommendations of their respective vendors.
 - It is the responsibility of the Customer to monitor component and system performance, and tune the hypervisor configuration parameters to ensure performance.
 - If a virtualization-related issue is identified as part of the HPSA Support process, HP reserves the right to request that the customer quiesce other virtualized workloads on the same hypervisor node or replicate the issue on a like physical (non-virtualized) server.
 - As always, Customers should follow industry standard testing practices before applying patch content to their managed servers to validate that no interruption of service occurs as a result.