

# HP ProLiant Essentials Virtual Machine Management Pack 3.6 Support Matrix

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# 1 Support matrix

This document lists hardware and software support information and includes hardware and software requirements for each component in Virtual Machine Management Pack.

- HP SIM Microsoft Windows®-based CMS
- HP SIM Linux-based CMS (only for Xen on RHEL and SLES, HP integrated Citrix XenServer 5.0 Update 3, and VMware ESXi)
- Virtual machine hosts
- Virtual machine guests

For the latest information and product updates, see <http://www.hp.com/go/vmmanage>.

## HP SIM CMS

The HP SIM CMS must meet the following requirements to install and use Virtual Machine Management Pack. These requirements are specific to using Virtual Machine Management Pack.

For specific hardware and software requirements for the HP SIM server, see the *HP SIM Technical Reference Guide*.

## Software



**IMPORTANT:** Virtual Machine Management Pack does not support HP SIM on a virtual machine running an HP-UX operating system.

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- HP SIM 5.3
- Windows Management Instrumentation (WMI) Mapper proxy bundled with HP SIM 5.3
- HP Insight Management Agents from the latest HP ProLiant Support Pack, available from <http://www.hp.com/servers/swdrivers> (recommended)

## Hardware

- 300 MB of available disk space for Virtual Machine Management Pack
- 100 MB of available disk space to install Virtual Machine Management Agents on the virtual machine hosts
- Screen resolution of at least 800x600

## Database

For more information, see the *HP ProLiant Essentials Virtual Machine Management Pack Support Matrix*.

For browser support information for viewing the HP SIM console from a remote location, see the *HP SIM Technical Reference Guide* at <http://www.hp.com/go/hpsim>.

## Microsoft SQL Server Desktop Engine (MSDE)

Virtual Machine Management Pack supports one of the following databases:

- Microsoft SQL Server 2005, Standard Edition with Service Pack 2 (for Windows-based HP Virtual Machine Management Pack only)
- Microsoft SQL Server 2005, Enterprise Edition with Service Pack 2 (for Windows-based HP Virtual Machine Management Pack only)
- Microsoft SQL Server 2005, Express Service Pack 2 (for Windows-based HP Virtual Machine Management Pack only)

- Microsoft SQL Server 2008, Standard Edition (for Windows-based HP Virtual Machine Management Pack only)
- Microsoft SQL Server 2008, Enterprise Edition (for Windows-based HP Virtual Machine Management Pack only)

## Oracle

- Oracle 9i, Standard Edition
- Oracle 9i, Enterprise Edition
- Oracle 10g, Standard Edition
- Oracle 10g, Enterprise Edition
- PostgreSQL (for Linux-based Virtual Machine Management Pack only)

## Supported virtualization technology

### Microsoft Virtual Server 2005 R2 Service Pack 1 (Update 948515)

Microsoft Virtual Server 2005 R2, Service Pack 1 (Update 948515) is supported on the following operating systems:



**IMPORTANT:** Microsoft Virtual Server 2005 R2 Service Pack 1 is not supported by Virtual Machine Management Pack on Windows Server 2008, if Microsoft Hyper-V™ is enabled.

- Windows Server 2008, Core Edition
- Windows Server 2008, Standard Edition
- Windows Server 2008, Datacenter Edition
- Windows Server 2008, Enterprise Edition
- Windows Server 2008, Small Business Server
- Windows Server 2003, Standard Edition Service Pack 2
- Windows Server 2003, Enterprise Edition Service Pack 2
- Windows Server 2003, Datacenter Edition Service Pack 2
- Windows Server 2003, Standard x64 Edition Service Pack 2
- Windows Server 2003, Enterprise x64 Edition Service Pack 2
- Windows Server 2003, Datacenter x64 Edition Service Pack 2

For the complete Windows hardware compatibility list, including ProLiant servers, see <http://www.microsoft.com>.

## Hyper-V

Hyper-V is supported on the following versions of Windows Server 2008 operating systems:

- Windows Server 2008, Enterprise Edition
- Windows Server 2008, Standard Edition
- Windows Server 2008, DataCenter Edition
- Windows Server 2008, Core Edition

## Xen on Linux

**Table 1-1 Supported Xen on Linux configurations**

	RHEL 4.6	RHEL 4.7	RHEL 5.1	RHEL 5.2	SLES 9 SP4	SLES 10 SP1	SLES 10 SP2
CMS	x86	x86	x86	x86	x86	x86	x86

	RHEL 4.6	RHEL 4.7	RHEL 5.1	RHEL 5.2	SLES 9 SP4	SLES 10 SP1	SLES 10 SP2
Virtual machine hosts	No	No	No	x86, x86_64	No	No	x86, x86_64
Virtual machine guests	Virtual Machine Management Pack supports any operating system running on a virtual machine guest that is supported by a Linux operating system with Xen.						
Database	Postgres (default) and Oracle are both supported. In general, the database used by HP SIM is used also by Virtual Machine Management Pack.						



**NOTE:** x86 and x86\_64 versions of Xen on RHEL 5.2 and SLES 10 SP2 hosts are supported on Windows CMS also.



**NOTE:** Running a 32-bit emulation mode in a 64-bit operating system is not supported. Integrity hardware is not supported for Virtual Machine Management Pack/Linux CMS.

## VMware Server 1.0.x

Virtual Machine Management Pack supports VMware Server 1.0.x on the following operating systems:

- Windows Server 2003 x64-bit Enterprise, Standard, and Web Editions, R2
- Windows Server 2003 x64-bit Enterprise, Standard, and Web Editions, Service Pack 1
- Windows 2003 Enterprise, Standard, and Web Editions, R2
- Windows 2003 Enterprise, Standard, Web, and Small Business Editions, Service Pack 1
- Windows 2000 Advanced Server, Service Pack 3 and Service Pack 4
- Windows 2000 Server, Service Pack 3 and Service Pack 4

For the latest VMware *Server Systems Compatibility Guide*, see <http://www.vmware.com>.

## HP integrated Citrix XenServer

Virtual Machine Management Pack supports the following versions:

- ▲ HP integrated Citrix XenServer 5.0 Update 3

## HP ProLiant and VMware ESX Servers

Virtual Machine Management Pack supports the following VMware ESX Server variants on supported ProLiant BL, DL, and ML servers:

- VMware ESX Server 2.5.5
- VMware ESX Server 3.0.1
- VMware ESX Server 3.0.2
- VMware ESX Server 3.0.2 U1
- VMware ESX Server 3.0.3
- VMware ESX Server 3.5
- VMware ESX Server 3.5 U1
- VMware ESX Server 3.5 U2
- VMware ESX Server 3.5 U3
- HP integrated VMware ESXi
- x86 servers that VMare ESX Server supports

Virtual Machine Management Pack supports VMotion™ Technology on the following operating systems: VMware ESX 2.5.x with VirtualCenter 1.x ESX 3.0.x with VirtualCenter 2.0.x and ESX 3.5 with VirtualCenter 2.5.

For the latest VMware ESX Server Systems Compatibility Guide, see <http://www.vmware.com>.

## Compatibility between VMware ESX Server 2.5.x and VMware ESX 3.x

**Table 1-2 Support for operations between VMware ESX Server 2.5.x and VMware ESX Server 3.x**

Operation	From	To	Supported
Copy, move, deploy template, and restore backup	ESX 2.5.x	ESX 3.x	Yes
Copy, move, deploy template, and restore backup	ESX 3.x	ESX 2.5.x	No
Live Move, SAN move	ESX 2.5.x	ESX 3.x	No
Live Move, SAN move	ESX 3.x	ESX 2.5.x	No

## Compatibility between VMware ESX 3.x and VMware ESXi 3.5

**Table 1-3 Support when upgrading or downgrading between VMware ESX 3.x and VMware ESXi 3.5**

Operation	From	To	Supported
Copy and move	ESX 3.x	ESXi 3.5	Yes
Copy and move	ESXi 3.5	ESX 3.x	Yes
Live Move, SAN move	ESX 3.x	ESXi 3.5	Yes
Live Move, SAN move	ESXi 3.5	ESX 3.x	Yes

## Virtual machine host requirements

To use VMware VMotion™ Technology with VMware ESX Server hosts, verify that you have VMware VirtualCenter™ set up and configured properly. For more information, see the VMware documentation.

To perform copy and move operations on VMware ESX 3i layers, the HP integrated VMware ESXi must be registered in VMware VirtualCenter Server and credentials provided in Virtual Machine Management Pack.

To use Citrix XenMotion Technology with HP integrated Citrix XenServer, verify that HP Enterprise Edition license is installed and the resource pool is configured properly.

Sign-in credentials for every host managed in HP SIM must be configured.

## Virtualization technology

- Microsoft Hyper-V
- HP integrated VMware ESXi
- HP integrated Citrix XenServer 5.0 Update 3

## Software

- SNMP
- HP Insight Management Agent. For VMware ESX Server, HP Insight Management Agent drivers are located at <http://www.hp.com/servers/swdrivers>.
- HP Insight Management Agents drivers from the latest HP ProLiant Support Pack available at <http://www.hp.com/servers/swdrivers> (recommended for ProLiant servers).

## Services

- ▲ Management agents for ProLiant servers available from <http://www.hp.com/support/files>.

## Virtual machine guests

For supported operating systems on virtual machine guests, see the website of the virtualization technology installed on the virtual machine host.



**NOTE:** If virtual machine details do not appear in HP SIM, see the "HP SIM console identifies a virtual machine guest as an unknown or unmanaged device" topic in the Troubleshooting section in the *Virtual Machine Management Pack User Guide*.

## Unsupported disk types

**Table 1-4 Disk types not moved, copied, or migrated by Virtual Machine Management Pack**

Virtualization technology	Disk type
Microsoft Virtual Server 2005	Linked disk
	Differencing disk
VMware ESX Server	Physical (RAW) disk
VMware Server	



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## 2 HP support and contact information

This user guide provides step-by-step instructions for installing and using HP ProLiant Essentials Virtual Machine Management Pack.

### HP Software Technical Support and Update Service

HP offers a number of software support services, many of which are provided to our customers at no additional charge.

- **Software Technical Support and Update Service**—Insight Control Environment suites and select ProLiant Essentials software products include one year of 24 x 7 HP Software Technical Support and Update Service. This service provides access to HP technical resources for assistance in resolving software implementation or operations problems. The service also provides access to software updates and reference manuals either in electronic form or on physical media as they are made available from HP. (Customers who purchase an electronic license to use are eligible for electronic updates only.) With this service, Insight Control Environment and ProLiant Essentials customers will benefit from expedited problem resolution as well as proactive notification and delivery of software updates. For more information about this service, see <http://www.hp.com/services/insight>.

#### **Registration for Software Technical Support and Update Service:**

There are two methods for registering:

- If you received a license entitlement certificate, automated registration for this service will take place upon online redemption of the license certificate/key.
- If the license information you received for your product instructs you to register for Software Technical Support, follow the instructions so that you will be eligible for telephone support.

#### **How to Use Your Software Technical Support and Update Service:**

Once registered, you will receive a service contract in the mail containing the Customer Service phone number and your Service Agreement Identifier (SAID). You will need your SAID when calling for technical support.

- **Join the discussion**—The HP Support Forum is a community-based, user-supported tool for HP customers to participate in discussions amongst the customer community about HP products. For discussions related to Insight Control and ProLiant Essentials software, see the “Management Software and System Tools” area.
- **Software and Drivers download pages**—These pages provide the latest software and drivers for your ProLiant products.
- **Management Security** (<http://www.hp.com/servers/manage/security>)—HP is proactive in its approach to the quality and security of all its management software. Be sure to check this website often for the latest downloadable security updates.
- **Obtain the latest SmartStart Release** (<http://www.hp.com/servers/smartstart>)—The SmartStart, Management, and Firmware CDs are now freely available for download following a simple registration from the SmartStart website. If you wish to receive physical kits with each release, you can order single release kits from the SmartStart website. To receive proactive notification when SmartStart releases are available, subscribe to Subscriber's Choice at <http://www.hp.com/go/subscriberschoice>.

HP Worldwide Customer Service contact numbers are available at <http://www.hp.com/country/us/en/wwcontact.html>. For U.S. customers, say “Insight Manager” when prompted for the product name.

## Support and information

For HP support and software updates for Virtual Machine Management Pack, see the following resources:

- <http://www.hp.com/go/vmmanage>
- *HP ProLiant Essentials Virtual Machine Management Pack 3.6 Support Matrix*
- *HP ProLiant Essentials Virtual Machine Management Pack 3.6 User Guide*
- *HP ProLiant Essentials Virtual Machine Management Pack 3.6 Release Notes*
- *HP ProLiant Essentials Virtual Machine Management Pack 3.6 Installation Guide for Windows*
- *HP ProLiant Essentials Virtual Machine Management Pack 3.6 Installation Guide for Linux*

For additional information about HP SIM, see the following resources:

- <http://www.hp.com/go/hpsim>
- *HP SIM Technical Reference Guide*
- *HP Systems Insight Manager Help Guide*

## HP contact information

For the name of the nearest HP authorized reseller:

- In the United States, see the HP US service locator at [http://www.hp.com/service\\_locator](http://www.hp.com/service_locator).
- In other locations, see Contact HP worldwide at <http://welcome.hp.com/country/us/en/wwcontact.html>.

For HP technical support:

- In the United States, for contact options see Contact HP United States at <http://welcome.hp.com/country/us/en/wwcontact.html>. To contact HP by phone, call 1-800-HP INVENT (1-800-474-6836). This service is available 24 hours a day, 7 days a week. For continuous quality improvement, calls may be recorded or monitored.
- In other locations, see Contact HP worldwide at <http://welcome.hp.com/country/us/en/wwcontact.html>.