

HP ProLiant Essentials Virtualization Management Software 2.0

Support Matrix

Consisting of
HP ProLiant Essentials Virtual Machine
Management Pack and ProLiant Essentials
Server Migration Pack



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HP ProLiant Essentials Virtualization Management Software 2.0

HP ProLiant Essentials Virtualization Management Software 2.0 includes the

- HP ProLiant Essentials Virtual Machine Management Pack (VMM)
- HP ProLiant Essentials Server Migration Pack

This document lists the hardware and software support information for each of these products and includes hardware and software requirements for each component in the Virtualization Software environment.

The Virtualization Management Software environment consists of:

- HP Systems Insight Manager Microsoft® Windows-based Central Management Server (CMS)
- Virtual machine hosts
- Virtual machine guests

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

HP SIM CMS

The HP SIM CMS must meet the following requirements to successfully install HP ProLiant Essentials Virtualization Management Software. Requirements listed here are specific to using HP ProLiant Essentials Virtualization Management Software independent of requirements for HP SIM. For specific hardware and software requirements for the HP SIM server, refer to the *HP Systems Insight Manager Installation and User Guide*.

- HP SIM 5.0 or later must be installed:
 - With OpenSSH
 - With Windows Management Instrumentation (WMI) Mapper



IMPORTANT: HP ProLiant Essentials Virtualization Management Software does not support HP SIM operating on a virtual machine or a Linux or HP-UX system.

- The system must have at least 250 MB of available disk space for the Virtual Machine Management Pack and Server Migration Pack.


For browser support information for viewing the HP SIM console from a remote location, refer to the *HP Systems Insight Manager Installation and User Guide* at <http://www.hp.com/go/hpsim>.


Virtual machine hosts

Table 1 lists the virtual machine host software requirements.

Table 1 Virtual machine host software requirements

Component	Requirement
Virtualization technology	Microsoft Virtual Server 2005
	VMware ESX Server 2.1.2 Upgrade 2 and Upgrade 3
	VMware ESX Server 2.5 Upgrade 2
	VMware ESX Server 2.5.1
Available disk space	VMware GSX Server 3.1 (installed on a Windows system only)
	65 MB for the VMM agent (100 MB during installation)
Services	VMM agent
	Management agents for ProLiant servers available from http://www.hp.com/support/files
	SSH or OpenSSH installed, enabled, and configured for HP SIM

 **NOTE:** VMware ESX Server 2.x with VMware Virtual SMP is supported.

 **NOTE:** HP ProLiant Essentials Virtualization Management Software 2.0 does not support VMware GSX Server 3.1 on Linux.

Microsoft Virtual Server 2005

Microsoft Virtual Server 2005 is supported on the following 32-bit operating systems:

- Windows Server 2003, Standard Edition
- Windows Server 2003, Enterprise Edition
- Windows Small Business Server 2003, Standard Edition
- Windows Small Business Server 2003, Premium Edition

Microsoft Virtual Server 2005 is supported on ProLiant ML, DL and BL servers as well as other x86 servers supported by Virtual Server.

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

VMware™ ESX Server™ 2.1.2, 2.5, and 2.5.1

VMware ESX Server 2.1.2, 2.5 and 2.5.1 are supported on ProLiant ML, DL and BL servers as well as other x86 servers supported by VMware ESX Server.

 **NOTE:** VMM supports VMotion Technology™ with VirtualCenter 1.2.

For the latest VMware ESX Server 2.x Systems Compatibility Guide, refer to <http://www.vmware.com>.

VMware GSX Server™ 3.1

Virtualization Management Software supports GSX on the following 32-bit operating systems

- Windows Server 2003, Standard Edition
- Windows Server 2003, Enterprise Edition
- Windows 2000, Server
- Windows 2000, Advanced Server


VMware GSX is supported on ProLiant ML, DL and BL servers as well as other x86 servers supported by VMware GSX Server 3.1.

For the complete Windows hardware compatibility list, including ProLiant servers, refer to <http://www.vmware.com>.

Virtual machine guests

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

- For Microsoft Virtual Server, refer to <http://www.microsoft.com>.
- For VMware, refer to <http://www.vmware.com>.

 **NOTE:** For improved management of Microsoft Windows NT®, install the WMI CORE on the virtual machine guest. Refer to <http://www.microsoft.com/downloads>.

Unsupported disk types

Table 2 lists the disk types not moved, copied, or migrated by virtualization product.

Table 2 Unsupported disk types

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

Server Migration Pack support

The following sections list support information for performing virtual to virtual (v2V), virtual to physical (P2P) and physical to virtual (P2V) migration using the Server Migration Pack.

P2V migrations

P2V migration supports basic and dynamic disks that have simple (non-extended) volumes for migration.

Supported source physical machine operating systems

The following source physical machine operating systems are supported in P2V migrations.

- Windows Server 2003
- Windows Server 2003, Service Pack 1
- Windows Server 2003 , Enterprise Edition
- Windows Server 2003, Enterprise Edition Service Pack 1
- Windows 2000 Server, Service Pack 4
- Windows 2000 Advance Server, Service Pack 4
- Windows 2000 Professional
- Windows XP Professional
- Windows NT 4.0 Service Pack 6a

These source physical machine operating systems are supported in the following languages

- English
- French
- Italian
- German
- Spanish
- Japanese

V2V migrations

Supported virtual machine guest operating systems

The following source virtual machine operating systems are supported in V2V migrations

- Windows Server 2003
- Windows Server 2003, Service Pack 1
- Windows Server 2003 , Enterprise Edition
- Windows Server 2003, Enterprise Edition Service Pack 1
- Windows 2000 Server, Service Pack 4
- Windows 2000 Advanced Server, Service Pack 4
- Windows NT 4.0 Service Pack 6a
- Windows XP Professional
- Windows 2000 Professional

These source virtual machine operating systems are supported in the following languages

- English
- French
- Italian
- German
- Spanish
- Japanese

Supported source Linux-based machine operating systems in V2V migrations

The following Linux-based source operating systems are supported in English only in V2V migrations:

- Red Hat Linux 7.3
- Red Hat Linux 8.0

V2P migrations

Supported source virtual machine guest operating systems

The following source virtual machine guest operating systems are supported in V2P migrations:

- Windows Server 2003
- Windows Server 2003, Service Pack 1
- Windows Server 2003, Enterprise Edition
- Windows Server 2003, Enterprise Edition Service Pack 1
- Windows 2000 Server, Service Pack 4
- Windows 2000 Advanced Server, Service Pack 4

These source virtual machine operating systems are supported in the following languages

- English
- French
- Italian
- German
- Spanish
- Japanese

Supported target physical machine hardware

The HP Essentials Server Migration Pack Boot CD supports the hardware listed in the following tables.

Table 3 ProLiant servers

ProLiant BL20p G3
ProLiant BL25p
ProLiant DL360 G4
ProLiant DL380 G4

Table 4 Network controllers

Embedded NC7781 PCI-X 10/100/1000T Gigabit network adapter
Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network adapter
HP NC1020 PCI1000T Gigabit Server adapter
HP NC7170 PCI-X Dual Port 1000T Gigabit Server Adapter
HP NC7771 PCI-X Single Port 1000T Gigabit Server Adapter

Table 5 Storage controllers

Smart Array 6i Controller (integrated)
Smart Array 640x Controller
Smart Array 64x Controller
HP Embedded 2 Port SATA Controller

Support and information

For HP support and software updates for the HP ProLiant Virtualization Software 2.0, refer to <http://www.hp.com/go/vmmanage>.

HP Customer Support provides 90 days of phone-based support with Monday through Friday, 9-to-5 service coverage hours in your local time zone. For information:

- In the United States and Canada, call 1-800-HP-INVENT (1-800-474-6836). For continuous quality improvement, calls may be recorded or monitored.
- Outside the United States and Canada go to the HP website for additional support information at <http://www.hp.com/support>.