

HP Insight Control Environment Suites Support Matrix



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About this document

Intended Audience

This document is for the person who installs, administers, and troubleshoots servers and storage systems. HP assumes you are qualified in the servicing of computer equipment and trained in recognizing hazards in products with hazardous energy levels.

Related documents

In addition to this guide, the following table lists the documentation resources available for each of the components on the HP Insight Software DVDs. All HP Insight Control Environment Suites components are located on #1.

Table 1 Related documents

Component	Document
HP Insight Control Environment Suites	<ul style="list-style-type: none">• HP Insight Control Environment website at http://www.hp.com/go/ice• <i>HP Insight Control Environment Suites Release Notes</i>• <i>HP Insight Control Environment Suites Support Matrix</i>• <i>HP Insight Control Environment Suites User Guide</i>• <i>HP Insight Software Installation Checklist</i>• <i>HP Insight Software Installation and Configuration Guide</i>• <i>HP Insight Software Quick Setup Poster</i>• Use the Documentation tab from the Autorun screen on Insight Software DVD #1 for individual documentation for each component.
HP Systems Insight Manager	<ul style="list-style-type: none">• HP Systems Insight Manager website at http://www.hp.com/go/hpsim• <i>HP Systems Insight Manager Installation and Configuration Guide for HP-UX</i>• <i>HP Systems Insight Manager Installation and Configuration Guide for Linux</i>• <i>HP Systems Insight Manager Installation and Configuration Guide for Microsoft Windows</i>• <i>HP Systems Insight Manager User Guide</i>• <i>Quick Start Guide</i>
HP BladeSystem Integrated Manager	<ul style="list-style-type: none">• HP BladeSystem Integrated Manager in HP Systems Insight Manager website at http://h18013.www1.hp.com/products/servers/management/bsme/index.html• HP BladeSystem c-Class Firmware & Upgrades at http://www.hp.com/go/bladestystemupdates
Insight Power Manager	<ul style="list-style-type: none">• HP Insight Power Manager website at http://www.hp.com/go/ipm• <i>Insight Power Manager User Guide</i>• <i>Insight Power Manager Installation and Configuration Guide</i>• <i>Insight Power Manager Support Matrix</i>• <i>Insight Power Manager ReadMe</i>
iLO2 Advanced Pack and iLO 2 Advanced for BladeSystem	<ul style="list-style-type: none">• HP iLO 2 Advanced Pack and iLO 2 Advanced for BladeSystem website at http://www.hp.com/go/ilo• <i>User Guide</i>
HP Insight Rapid Deployment Software	<ul style="list-style-type: none">• HP Insight Rapid Deployment software website at http://www.hp.com/go/rdp• <i>HP Insight Rapid Deployment Software User Guide</i>• HP website at http://www.hp.com/servers/rdp/kb (Regularly updated troubleshooting information, frequently asked questions, and specific how-to procedures are available on this site.)
HP Performance Management Pack and HP Vulnerability and Patch Management Pack	Documentation is incorporated into HP Insight Control Environment Suites documentation.

Component	Document
HP Virtual Machine Management Pack	<ul style="list-style-type: none">• HP Virtual Machine Management Pack website at http://www.hp.com/go/vmmanage• <i>HP Virtual Machine Management Pack Release Notes</i>• <i>HP Virtual Machine Management Pack Support Matrix</i>• <i>HP Virtual Machine Management Pack User Guide</i>

1 Overview

This support matrix lists requirements for HP Insight Control Environment (ICE). For more information about supported platforms and requirements for other components in ICE, see the following documents:

Table 1-1 For Additional Information about Supported Platforms

Topic	Source of Additional Information
HP Insight Rapid Deployment software (RDP)	See the HP Insight Rapid Deployment software website at http://www.hp.com/go/rdp .
HP Virtual Machine Management Pack	See the <i>HP Virtual Machine Management Pack Support Matrix</i> .

ICE components

HP Insight Control Environment is a suite of licensed components including:

- HP Integrated Lights-Out 2 Advanced Pack—Integrated management processor for shared remote consoles that delivers remote control performance and ease of use suitable for routine and emergency server administration.
- HP Integrated Lights-Out 2 Advanced for BladeSystem—Integrated management processor for ProLiant BL servers that delivers remote control performance and ease of use suitable for routine and emergency server administration.
- HP Systems Insight Manager (HP SIM)—Provides unified foundation management services for HP servers, storage, and network resources from a single console. HP SIM delivers centralized fault, configuration, inventory, performance management, warranty details, automated service call initiation and troubleshooting information. HP SIM is built according to industry standards to manage HP and third-party infrastructure resources.
- HP Insight Power Manager (IPM)—Extends HP SIM with power consumption and thermal output monitoring to optimize data center power and cooling. Includes power regulation policies for groups of HP ProLiant servers.
- HP Insight Rapid Deployment software (RDP) —Configures and deploys multiple servers quickly and predictably in an unattended fashion using scripts and system images. Includes predefined scripts to configure HP server hardware and deploy operating systems for Windows®, VMWare ESX™, and Linux platforms.
- HP Performance Management Pack (PMP)—Enables HP SIM to proactively detect, analyze, and report performance bottlenecks on HP ProLiant and Integrity servers, Modular Storage Array storage, and VMware™ and Microsoft Virtual Server virtual machines to ensure server workloads run at peak performance levels.
- HP Vulnerability and Patch Management Pack (VPM)—Integrates comprehensive vulnerability assessment and advanced patch management into HP SIM, to identify and resolve security vulnerabilities quickly and reliably in Microsoft® Windows® and Red Hat Linux environments.
- HP Virtual Machine Management Pack (VMM) —Provides unified virtual machine management of physical and virtual server resources within HP SIM. Supports VMware™, HP Integrated Citrix XenServer, and Microsoft virtual machine environments. VMM also supports XEN on Red Hat Enterprise Linux and SUSE Linux Enterprise Server virtualization products.

2 Central Management Server requirements

This section describes the Central Management Server (CMS) requirements for the installation of HP Insight Control Environment.



NOTE: When VPM is installed on a CMS with a remote connection to the HP SIM database, VPM installs a local copy of Microsoft SQL Express and creates a database instance to store and manage vulnerability definitions and scan results.

Hardware requirements

The following table lists the ICE CMS hardware installation requirements.

Table 2-1 Hardware requirements

Component	Specification
Server	HP ProLiant BladeSystem c-Class or p-Class server blades, or HP ProLiant ML or DL 300, 500, and 700 G3 or higher recommended
Memory	At least 2 GB RAM (3 GB RAM recommended).
Processor	At least 1.6 GHz (2 GHz or faster recommended)
Disk space	At least 15 GB for HP Insight software. More space is needed for storing deployment operating systems (for HP Insight Rapid Deployment software) and patches (for Vulnerability and Patch Management Pack).
File structure	New Technology File System (NTFS)
DVD drive	Local or mapped DVD drive required

Software requirements

The following naming conventions are used in Table 2-4 “ICE CMS requirements”.

Table 2-2 Operating system naming convention

Term	Operating System
Windows Server 2008 (32-bit)	Microsoft Windows Server® 2008, Standard and Enterprise Edition 32-bit
Windows Server 2008 (64-bit)	Microsoft Windows Server 2008, Standard and Enterprise Edition 64-bit (32-bit mode)
Windows Server 2003	Windows Server 2003, Standard and Enterprise Edition SP2 (32-bit)
Windows Server 2003 R2	Windows Server 2003 R2, Standard and Enterprise Edition SP2 (32-bit)

The following abbreviations are used in the tables.

Table 2-3 Component Abbreviations

Abbreviation	Component
HP II	HP Integrated Installer
HP SIM	HP Systems Insight Manager
IPM	HP Insight Power Manager
PMP	HP Performance Management Pack
RDP	HP Insight Rapid Deployment software
VMM	HP Virtual Machine Management Pack
VPM	HP Vulnerability and Patch Management

Table 2-4 ICE CMS requirements

Specification	Windows Server 2008		Windows Server 2003		Windows Server 2003 R2	
	32-bit	64-bit	32-bit	64-bit	32-bit	64-bit
.NET 1.1 Framework ¹	✓	✓	✓		✓	
.NET 2.0 Framework ²	✓	✓	✓		✓	
Acrobat® Reader	✓	✓	✓		✓	
SNMP	✓	✓	✓		✓	
TCP/IP with DNS installed so that system names must resolve to an IP addresses. It is necessary that IP addresses must resolve to system names.	✓	✓	✓		✓	
Windows Automated Installation Kit (WAIK) 2.1 ³	✓	✓	✓		✓	

1 This requirement applies to HP Insight Rapid Deployment software.

2 If .NET 2.0 is not installed, it is installed during the Integrated Installation.

3 This requirement applies to HP Insight Rapid Deployment software. If you are installing or upgrading HP Insight Rapid Deployment software, you must first install Microsoft WAIK 2.1, also known as the *Automated Installation Kit (AIK) for Windows Vista SP1 and Windows Server 2008* It is available at the [Microsoft website](http://www.microsoft.com), or search for 936330AIK on <http://www.microsoft.com> (the filename is 6001.18000.080118-1840-kb3aikl_en.iso).



NOTE: The CMS supports Windows 2003 and 2008 International Server - French, German, Italian, Spanish, and Japanese (latest service pack available for each language).

NOTE: HP Performance Management Pack (PMP) 5.2 requires Java Runtime Environment (JRE) 5.0 to complete the installation successfully if JRE 1.4.2 or earlier is installed on the system.

If JRE is not installed on the system, the PMP 5.2 installation continues without an issue.

Table 2-5 Supported browsers in ICE components

Browser	HP SIM	RDP	PMP	VPM	IPM	VMM
Microsoft Internet Explorer 6.0 SP2	✓	✓	✓	✓	✓	✓
Microsoft Internet Explorer 7.0	✓	✓	✓	✓	✓	✓
Mozilla Firefox 2.0	✓		✓		✓	✓
Mozilla Firefox 3.0	✓		✓		✓	

Table 2-6 Supported Windows CMS operating systems in ICE components

Operating system	HP II	HP SIM	RDP	PMP	VPM	IPM	VMM
Windows Server 2008, Standard and Enterprise Edition 32-bit	✓	✓	✓	✓	✓	✓	✓
Windows Server 2008, Standard and Enterprise Edition 64-bit (32-bit mode)	✓	✓	✓	✓	✓	✓	✓
Windows Server 2003, Standard and Enterprise Edition SP2 32-bit	✓	✓	✓	✓	✓	✓	✓
Windows Server 2003 R2, Standard and Enterprise Edition SP2 32-bit	✓	✓	✓	✓	✓	✓	✓

Table 2-7 Supported Virtual Servers for ICE components

Operating system	HP II	HP SIM	RDP	PMP	VPM	IPM	VMM
Supported 32-bit Windows operating system running as a guest on VMware ESX 3.0.1	✓	✓	✓	✓	✓	✓	✓
Supported 32-bit Windows operating system running as a guest on VMware ESX 3.0.2	✓	✓	✓	✓	✓	✓	✓
Supported 32-bit Windows operating system running as a guest on VMware ESX 3.0.3	✓	✓	✓	✓			✓

Operating system	HP II	HP SIM	RDP	PMP	VPM	IPM	VMM
Supported 32-bit Windows operating system running as a guest on VMware ESX 3.5 Update 1	✓	✓	✓	✓		✓	✓
Supported 32-bit Windows operating system running as a guest on VMware ESX 3.5 Update 2		✓	✓				✓
Supported 32-bit Windows operating system running as a guest on VMware ESX 3.5 Update 3		✓	✓				✓
Supported 32-bit Windows operating system running as a guest on VMware ESX 3.5 Update 4	✓	✓	✓	✓		✓	✓
Supported 32-bit Windows operating system running as a guest on VMware ESXi 3.5 Update 1		✓	✓				
Supported 32-bit Windows operating system running as a guest on VMware ESXi 3.5 Update 2		✓	✓			✓	
Supported 32-bit Windows operating system running as a guest on VMware ESXi 3.5 Update 3		✓	✓				
Supported 32-bit Windows operating system running as a guest on VMware ESXi 3.5 Update 4		✓	✓				
Integrity VM HP-UX running as guest on an HP-UX 11i v2 operating system		✓				✓	
Integrity VM HP-UX running as guest on an HP-UX 11i v3 operating system		✓				✓	
Microsoft Hyper-V ¹		✓	✓		✓	✓	

1 The CMS is supported running on this operating system which is a guest on the hypervisor.

The following table lists the minimum support for installation of ICE. Installations with Microsoft Data Engine (MSDE) 2000 Service Pack 3a are migrated to Microsoft SQL 2005 Express Edition Service Pack 2.

Table 2-8 ICE supported CMS databases

Database	Local database	Remote database
Microsoft SQL Server 2008 ¹	✓	✓
Microsoft SQL Server 2005 SP2 ¹	✓	✓
Microsoft SQL Server 2005 Express Edition SP2 ²	✓	

1 SQL Server 2005 and 2008 supports up to 5,000 systems and 50,000 events.

2 SQL Server 2005 Express Edition supports up to 500 systems and 5,000 events.



NOTE: When VPM is installed on a CMS with a remote connection to the HP SIM database, VPM installs a local copy of Microsoft SQL Express and creates a database instance to store and manage vulnerability definitions and scan results.

Supported configurations

The following configurations are supported both in a Windows domain and a workgroup:

- If one server is in a Windows domain, ensure that all servers are in that Windows domain. Servers in different Windows domains are not supported.
- If one server is in a Windows domain, ensure that the domain server is a separate server. Installation of HP Insight software is not supported on domain servers.
- If one server is in a workgroup, ensure that each server has a local account with the same name and password (both for services and database credentials).



NOTE: HP does not recommend the installation of both Insight Rapid Deployment and an HP Ignite-UX server on the same subnet.

For a complete list and diagram of supported configurations, see the *HP Insight Software Installation and Configuration Guide*.

3 Managed systems

This chapter describes the supported managed systems for HP Insight Control Environment.

Hardware requirements

The following table lists hardware supported as a managed system for ICE suites and components.

Table 3-1 Hardware requirements

Product	Supports the following managed systems
HP Insight Control Environment	ProLiant c-Class and p-Class server blades HP ProLiant DL and ML (300, 500, and 700 series) servers ¹ ProLiant xw2x220c ProLiant xw460c
HP Insight Control Environment for BladeSystem	ProLiant c-Class and p-Class server blades ProLiant xw2x220c ProLiant xw460c
iLO Power Management Pack	ProLiant DL360 G5 ProLiant DL365 G1 ProLiant DL380 G5 ProLiant DL385 G2 ProLiant ML350 G5 ProLiant ML370 G5
iLO Power Management Pack for BladeSystem	ProLiant xw2x220c ProLiant BL2x220 G5 ProLiant BL260c G5 ProLiant BL460c G5 ProLiant BL465c ProLiant BL480c ProLiant BL495c G5 ProLiant BL680c G5 ProLiant BL685c ProLiant BL870c ProLiant xw460c
HP Insight Power Manager ¹	ProLiant BL2x220 G5 ProLiant BL260c ProLiant BL260c G5 ProLiant BL460c ProLiant BL460c G5 ProLiant BL465c ProLiant BL465c G5 ProLiant BL480c ProLiant BL495c G5 ProLiant BL680c G5 ProLiant BL685c G1 ProLiant BL685 G5 ProLiant DL360 G5 ProLiant DL365 ProLiant DL365 G5 ProLiant DL380 G5 ProLiant DL385 G2 ProLiant DL385 G5 ProLiant ML350 G5 ProLiant ML370 G5 ProLiant xw460c ProLiant xw2x220c Integrity BL860c Integrity BL870c Integrity rx2660 Integrity rx3600 Integrity rx6600 BladeSystem c3000 Enclosure BladeSystem c7000 Enclosure
HP Insight Rapid Deployment software	See RDP target servers for an updated list of target servers.
HP Systems Insight Manager	Any ProLiant x86 or x64 server

Product	Supports the following managed systems
HP Virtual Machine Management Pack	Hardware independent

- 1 To use HP Insight Power Manager, a server must have iLO2 installed and a power meter that runs the HP Integrated Lights-Out 2 Advanced for BladeSystem, HP Integrated Lights-Out 2 Select Pack or HP Integrated Lights-Out 2 Advanced Pack.

HP Performance Management Pack

If PMP is installed, the managed system must be a ProLiant or Integrity server. Only supported server types appear in the PMP administration screens.

A managed system might contain options that PMP does not recognize, however, these unsupported options do not affect performance analysis. Any unsupported options appear as *unknown* in the PMP display.

Servers with Intel® Pentium® Pro processors are not supported.

The following tables list the supported configurations for managed systems.

Table 3-2 Supported PMP managed systems for ProLiant servers

Series	Server model
HP ProLiant BL series servers	ProLiant BL10e ProLiant BL10e G2 ProLiant BL20p ProLiant BL20p G2 ProLiant BL20p G3 ProLiant BL20p G4 ProLiant BL25p ProLiant BL25p G2 ProLiant BL30p ProLiant BL35p ProLiant BL40p ProLiant BL45p ProLiant BL45p G2 ProLiant BL2x220c G5 ProLiant BL260c G5 ProLiant BL460c ProLiant BL460c G6 ProLiant BL465c G5 ProLiant BL480c ProLiant BL490c G6 ProLiant BL495c G5 ProLiant BL680c ProLiant BL685c G5

Series	Server model
ProLiant DL series servers	ProLiant DL320 ProLiant DL320 G2 ProLiant DL320 G3 ProLiant DL320 G4 ProLiant DL320 G5 ProLiant DL320 G5p ProLiant DL320s G1 ProLiant DL360 ProLiant DL360 G2 ProLiant DL360 G3 ProLiant DL360 G4 ProLiant DL360 G4p ProLiant DL360 G5 ProLiant DL360G6 ProLiant DL365 G5 ProLiant DL380 ProLiant DL380 G2 ProLiant DL380 G3 ProLiant DL380 G4 ProLiant DL380 G5 ProLiant DL380 G6 ProLiant DL385 ProLiant DL385 G5 ProLiant DL560 ProLiant DL580 ProLiant DL580 G2 ProLiant DL580 G3 ProLiant DL580 G4 ProLiant DL580 G5 ProLiant DL585 ProLiant DL585 G5 ProLiant DL740 ProLiant DL760 ProLiant DL760 G2 ProLiant DL785
ProLiant ML series servers	ProLiant ML310 ProLiant ML310 G2 ProLiant ML310 G3 ProLiant ML310 G4 ProLiant ML310 G5 ProLiant ML330 G2 ProLiant ML330 G3 ProLiant ML350 G2 ProLiant ML350 G3 ProLiant ML350 G4 ProLiant ML350 G4p ProLiant ML350 G5 ProLiant ML350 G6 ProLiant ML370 ProLiant ML370 G2 ProLiant ML370 G3 ProLiant ML370 G4 ProLiant ML370 G5 ProLiant ML370 G6 ProLiant ML530 ProLiant ML530 G2 ProLiant ML570 ProLiant ML570 G2 ProLiant ML570 G3 ProLiant ML570 G4 ProLiant ML750
Blade workstations	ProLiant xw460c ProLiant xw2x220c

Series	Server model
Integrity servers	Integrity rx1620
	Integrity rx2600
	Integrity rx2620
	Integrity rx2660
	Integrity rx3600
	Integrity rx4640
	Integrity rx5670
	Integrity rx6600
	Integrity rx7640
	Integrity rx7620
	Integrity rx8620
	Integrity rx8640
	Integrity rx2660 Office Friendly Version
	Integrity BL860c
Integrity BL870c	
Integrity Superdome	

Software requirements

HP Insight software components manage target operating systems. This section groups supported operating systems into families and lists the supported target operating systems for ICE component. Unless otherwise specified, operating systems listed are 32-bit.

For HP Vulnerability and Patch Management Pack, HP recommends installing HP Insight Management Agents on ProLiant target systems to enable HP SIM to identify target operating systems. To patch a target system you must have previously deployed the VPM Patch Agent. To use HP Vulnerability and Patch Management on Linux target operating systems, you must install Secure Shell (SSH).

To review the supported operating systems in each family, select an operating system family link from the list below:

- Table 3-3 “Managed systems supported by Windows Server 2008 operating systems in ICE components”
- Table 3-4 “Managed systems supported by Windows Server 2003 operating systems in ICE components”
- Table 3-5 “Managed systems supported by Microsoft Windows 2000 operating systems in ICE components”
- Table 3-6 “Managed systems supported by Windows Small Business Server operating systems in ICE components”
- Table 3-7 “Managed systems supported by Windows Vista operating systems in ICE components”
- Table 3-8 “Managed systems supported by Windows XP operating systems in ICE components”
- Table 3-9 “Managed systems supported by Red Hat operating systems in ICE components”
- Table 3-10 “Managed systems supported by SUSE Linux operating systems in ICE components”
- Table 3-11 “Managed systems supported by Hypervisor Hosts in ICE components”
- Table 3-12 “Managed systems supported by VM Guests in ICE components”
- Table 3-13 “Managed systems supported by HP-UX and HP NonStop Kernel operating systems in ICE components”
- Table 3-14 “Managed systems supported by IBM operating systems in ICE components”
- Table 3-15 “Managed systems supported by Solaris operating systems in ICE components”
- Table 3-16 “Managed systems supported by Novell operating systems in ICE components”



NOTE: HP Performance Management Pack requires installation of HP Insight Management Agents.

Table 3-3 Managed systems supported by Windows Server 2008 operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
Windows Server 2008, Standard Edition	✓	✓	✓	✓	✓	✓	
Windows Server 2008, Standard x64 Edition	✓	✓	✓	✓	✓	✓	

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
Windows Server 2008, Standard Core	✓				✓	
Windows Server 2008, Datacenter Edition	✓	✓	✓		✓	✓
Windows Server 2008, Datacenter x64 Edition	✓	✓			✓	✓
Windows Server 2008, Datacenter Core	✓				✓	
Windows Server 2008, Enterprise Edition	✓	✓	✓	✓	✓	✓
Windows Server 2008, Enterprise Edition SP1	✓		✓			
Windows Server 2008, Enterprise x64 Edition	✓	✓	✓	✓	✓	✓
Windows Server 2008, Enterprise x64 Edition SP1	✓		✓			
Windows Server 2008, Enterprise Core	✓				✓	
Windows Server 2008, Web Edition	✓			✓	✓	
Windows Server 2008, Web Edition SP1	✓					
Windows Server 2008, Web x64 Edition						
Windows Server 2008 for Itanium-based systems	✓	✓	✓		✓	
Windows Server 2008 for Itanium based system SP1	✓					
Windows Server 2008, Data Center Edition SP1	✓		✓			
Windows Server 2008, Data Center x64 Edition SP1	✓		✓			

Table 3-4 Managed systems supported by Windows Server 2003 operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
Windows Server 2003, Standard Edition	✓		✓	✓	✓	
Windows Server 2003, Standard Edition SP1	✓		✓	✓	✓	✓
Windows Server 2003, Standard Edition SP2	✓	✓	✓	✓	✓	✓
Windows Server 2003, Standard x64 Edition	✓		✓	✓	✓	✓
Windows Server 2003, Standard x64 Edition SP1	✓					
Windows Server 2003, Standard x64 Edition SP2	✓	✓	✓	✓	✓	✓
Windows Server 2003, Enterprise Edition	✓		✓		✓	✓
Windows Server 2003, Enterprise Edition SP1	✓		✓	✓	✓	✓
Windows Server 2003, Enterprise Edition SP2	✓	✓	✓	✓	✓	✓
Windows Server 2003, Enterprise x64 Edition	✓		✓		✓	✓
Windows Server 2003, Enterprise x64 Edition SP1	✓		✓		✓	✓
Windows Server 2003, Enterprise x64 Edition SP2	✓	✓	✓		✓	✓
Windows Server 2003, Enterprise Edition for Itanium® based systems	✓		✓		✓	
Windows Server 2003, Enterprise Edition SP1 for Itanium based systems	✓		✓		✓	
Windows Server 2003, Enterprise Edition SP2 for Itanium-based systems	✓	✓	✓		✓	
Windows Server 2003, Web Edition	✓				✓	
Windows Server 2003, Web Edition SP1	✓				✓	
Windows Server 2003, Web Edition SP2	✓	✓			✓	
Windows Server 2003, Web x64 Edition						
Windows Server 2003, Web x64 Edition SP2		✓				
Windows Server 2003, Datacenter Edition	✓		✓		✓	
Windows Server 2003, Datacenter Edition SP1	✓				✓	

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
Windows Server 2003, Datacenter Edition SP2	✓				✓		
Windows Server 2003, Datacenter x64 Edition	✓				✓		
Windows Server 2003, Datacenter x64 Edition SP1	✓				✓		
Windows Server 2003, Datacenter x64 Edition SP2	✓				✓		
Windows Server 2003, Datacenter Edition for Itanium-based systems	✓		✓		✓		
Windows Server 2003, Datacenter Edition SP1 for Itanium-based systems	✓				✓		
Windows Server 2003, Datacenter Edition SP2 for Itanium-based system	✓				✓		
Windows Server 2003, Compute Cluster x64 Edition							
Windows Server 2003, Compute Cluster x64 Edition SP2		✓					
Windows Server 2003 R2, Standard Edition	✓		✓		✓	✓	
Windows Server 2003 R2, Standard Edition SP2	✓	✓	✓	✓	✓	✓	
Windows Server 2003 R2, Standard x64 Edition	✓		✓		✓	✓	
Windows Server 2003 R2, Standard x64 Edition SP2	✓	✓	✓	✓	✓	✓	
Windows Server 2003 R2, Enterprise Edition	✓		✓		✓	✓	
Windows Server 2003 R2, Enterprise Edition SP2	✓	✓	✓	✓	✓	✓	
Windows Server 2003 R2, Enterprise x64 Edition	✓		✓		✓	✓	
Windows Server 2003 R2, Enterprise x64 Edition SP2	✓	✓	✓		✓	✓	
Windows Server 2003 R2, Web Edition							
Windows Server 2003 R2, Web Edition SP2							
Windows Server 2003 R2, Web x64 Edition							
Windows Server 2003 R2, Web x64 Edition SP2							
Windows Server 2003 R2, Datacenter x64 Edition							
Windows Server 2003 R2, Datacenter x64 Edition SP2	✓				✓		

Table 3-5 Managed systems supported by Microsoft Windows 2000 operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
Windows 2000 Server							
Windows 2000 Server, SP2	✓		✓				
Windows 2000 Server, SP3	✓		✓	✓			
Windows 2000 Server, SP4	✓		✓	✓			
Windows 2000 Advanced Server							
Windows 2000 Advanced Server, SP2	✓		✓	✓	✓		
Windows 2000 Advanced Server, SP3	✓		✓	✓	✓		
Windows 2000 Advanced Server, SP4	✓		✓	✓	✓		
Windows 2000 Datacenter, SP2 or later	✓				✓		
Windows 2000 Professional							
Windows 2000 Professional, SP3 or later							
Windows NT4 SP6	✓				✓		

Table 3-6 Managed systems supported by Windows Small Business Server operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
Windows Small Business Server 2003, Standard Edition	✓			✓	✓	✓
Windows Small Business Server 2003, Standard Edition SP1	✓				✓	
Windows Small Business Server 2003, Standard Edition SP2	✓				✓	
Windows Small Business Server 2003 R2, Standard Edition						
Windows Small Business Server 2003, Premium Edition	✓			✓	✓	
Windows Small Business Server 2003, Premium Edition SP1	✓					
Windows Small Business Server 2003, Premium Edition SP2	✓				✓	
Windows Small Business Server 2003 R2, Premium Edition						

Table 3-7 Managed systems supported by Windows Vista operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
Windows Vista Business, 32-bit	✓		✓	✓	✓	
Windows Vista Business, 32-bit SP1	✓		✓			
Windows Vista Business, 64-bit	✓	✓		✓	✓	✓
Windows Vista Business, 64-bit SP1	✓	✓	✓			
Windows Vista Enterprise, 32-bit	✓	✓	✓	✓	✓	✓
Windows Vista Enterprise, 32-bit SP1	✓	✓		✓		
Windows Vista Enterprise, 64-bit	✓	✓	✓	✓	✓	✓
Windows Vista Enterprise, 64-bit SP1	✓	✓				



NOTE: For 32-bit and 64-bit versions of Windows Vista Business and Windows Vista Enterprise, PMP supports only ProLiant xw460c and ProLiant xw2x220c Workstation Blades.

Table 3-8 Managed systems supported by Windows XP operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
Windows XP Professional, SP1	✓	✓			✓	
Windows XP Professional, SP2	✓	✓	✓	✓	✓	✓
Windows XP Professional, SP3	✓	✓		✓	✓	
Windows XP Professional x64 Edition	✓	✓				✓
Windows XP Professional x64 Edition SP1	✓	✓	✓	✓	✓	✓
Windows XP Professional x64 Edition SP2	✓	✓				
Windows XP Professional x64 Edition SP3	✓	✓				



NOTE: For Windows XP Professional and Windows XP Professional x64 Edition, PMP supports only ProLiant xw460c and ProLiant xw2x220c Workstation Blades.

Table 3-9 Managed systems supported by Red Hat operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
Oracle Enterprise Linux 5.3 x86	✓				✓	
Oracle Enterprise Linux 5.3 for AMD64 and Intel x86-64	✓				✓	
Oracle Enterprise Linux 5.2 x86	✓				✓	
Oracle Enterprise Linux 5.2 for AMD64 and Intel x86-64	✓				✓	

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
Red Hat Enterprise Linux AS/ES 3.9 for x86	✓			✓	✓		
Red Hat Enterprise Linux AS/ES 3.9 for AMD64 and Intel x86-64	✓			✓	✓		
Red Hat Enterprise Linux AS/ES 3.9 for IPF	✓				✓		
Red Hat Enterprise Linux AS/ES 4 for x86 ¹	✓		✓				
Red Hat Enterprise Linux AS/ES 4 for AMD64 and Intel x86-64	✓		✓				
Red Hat Enterprise Linux AS/ES 4.4 for x86	✓		✓				
Red Hat Enterprise Linux AS/ES 4.4 for AMD64 and Intel EM64T	✓		✓				
Red Hat Enterprise Linux AS/ES 4.5 for x86	✓			✓			
Red Hat Enterprise Linux AS/ES 4.5 for AMD64 and Intel x86-64	✓		✓				
Red Hat Enterprise Linux AS/ES 4.6 for x86	✓		✓	✓	✓		
Red Hat Enterprise Linux AS/ES 4.6 for AMD64 and Intel x86-64	✓		✓		✓		
Red Hat Enterprise Linux AS/ES 4.6 for Intel Itanium	✓				✓		
Red Hat Enterprise Linux AS/ES 4.7 for x86	✓		✓	✓	✓		
Red Hat Enterprise Linux AS/ES 4.7 for AMD64 and Intel x86-64	✓						
Red Hat Enterprise Linux AS/ES 4.7 for Intel Itanium	✓				✓		
Red Hat Enterprise Linux 5 for x86	✓		✓				
Red Hat Enterprise Linux 5 for AMD64 and Intel x86-64	✓		✓				
Red Hat Enterprise Linux 5.1 for Intel Itanium	✓				✓		
Red Hat Enterprise Linux 5.1 for x86	✓		✓		✓		
Red Hat Enterprise Linux 5.1 for AMD64 and Intel x86-64	✓		✓		✓		
Red Hat Enterprise Linux 5.2 for x86	✓		✓		✓		
Red Hat Enterprise Linux 5.2 for AMD64 and Intel x86-64	✓		✓		✓		
Red Hat Enterprise Linux 5.2 for Intel Itanium	✓	✓			✓		
Red Hat Enterprise Linux 5.2 for x64		✓					
Red Hat Enterprise Linux 5.3 for x86	✓	✓	✓		✓		
Red Hat Enterprise Linux 5.3 for AMD64 and Intel x86-64	✓	✓	✓		✓		
Red Hat Enterprise Linux 5.3 for Intel Itanium	✓				✓		
Red Hat 7.3 Workstation	✓				✓		
Red Hat 8	✓				✓		
Red Hat 9	✓				✓		

¹ You must have a valid subscription to the Red Hat Network for patch acquisitions. A valid Red Hat network license is required for each system patched. For more information, see <http://www.redhat.com>. The Red Hat library, compat-libstdc++, must exist on the Red Hat target systems.

Table 3-10 Managed systems supported by SUSE Linux operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
SUSE Linux Enterprise Server 8	✓				✓		
SUSE Linux Enterprise Server 8 for AMD64 and Intel x86-64	✓				✓		
SUSE Linux Enterprise Server 8 for IPF	✓				✓		
SUSE Linux Enterprise Server 9	✓		✓				
SUSE Linux Enterprise Server 9 SP3 for AMD64 and Intel x86-64	✓		✓		✓		
SUSE Linux Enterprise Server 9 SP4 for AMD64 and Intel x86-64	✓		✓		✓		

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
SUSE Linux Enterprise Server 9 SP3 for x86	✓		✓		✓	
SUSE Linux Enterprise Server 9 SP4 for x86	✓		✓		✓	
SUSE Linux Enterprise Server 9 SP3 for IPF	✓				✓	
SUSE Linux Enterprise Server 9 SP4 for IPF	✓				✓	
SUSE Linux Enterprise Server 10 for x86	✓		✓			
SUSE Linux Enterprise Server 10 SP1 for x86	✓		✓		✓	
SUSE Linux Enterprise Server 10 SP2 for x86	✓	✓	✓		✓	
SUSE Linux Enterprise Server 10 for AMD64 and Intel x86-64	✓		✓			
SUSE Linux Enterprise Server 10 SP1 for AMD64 and Intel x86-64	✓		✓		✓	
SUSE Linux Enterprise Server 10 SP2 for AMD64 and Intel x86-64	✓	✓			✓	
SUSE Linux Enterprise Server 10 SP1 for Intel Itanium	✓				✓	
SUSE Linux Enterprise Server 10 SP2 for Intel Itanium	✓	✓			✓	
SUSE Linux Enterprise Server 11 for x86	✓					
SUSE Linux Enterprise Server 11 for Intel Itanium	✓					
SUSE Linux Enterprise Server 11 for AMD64 and Intel x86-64	✓					

Table 3-11 Managed systems supported by Hypervisor Hosts in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM
Virtual Server 2005 R2	✓		✓			
Virtual Server 2005 R2, SP1	✓		✓		✓	✓
Microsoft Hyper-V	✓		✓		✓	✓
VMware ESX 2.5.3						
VMware ESX 2.5.3 Update 1						
VMware ESX 2.5.4	✓		✓			
VMware ESX 2.5.5	✓		✓		✓	✓
VMware ESX 3.0						
VMware ESX 3.0.1	✓		✓		✓	
VMware ESX 3.0.2	✓		✓		✓	
VMware ESX 3.0.3	✓	✓	✓			✓
VMware ESX 3i	✓		✓		✓	✓
VMware ESX 3i Update 1	✓		✓			✓
VMware ESX 3i Update 2	✓		✓		✓	✓
VMware ESX 3i Update 3	✓		✓			✓
VMware ESX 3i Update 4	✓					
VMware ESX 3.5			✓		✓	✓
VMware ESX 3.5 Update 1	✓		✓		✓	✓
VMware ESX 3.5 Update 2	✓		✓		✓	✓
VMware ESX 3.5 Update 3	✓	✓	✓			✓
VMware ESX 3.5 Update 4	✓					
VMware GSX Server	✓				✓	
VMware GSX Server 3.2	✓				✓	

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
VMware GSX Server 3.2.1	✓				✓		
Citrix Xen Server Enterprise	✓				✓	✓	

Table 3-12 Managed systems supported by VM Guests in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
Virtual Server 2005 R2			✓			✓	
Virtual Server 2005 R2, SP1	✓		✓			✓	
Microsoft Hyper-V	✓		✓			✓	
VMware ESX 2.5.3						✓	
VMware ESX 2.5.3 Update 1						✓	
VMware ESX 2.5.4						✓	
VMware ESX 2.5.5	✓		✓			✓	
VMware ESX 3.0						✓	
VMware ESX 3.0.1	✓		✓				
VMware ESX 3.0.2	✓		✓				
VMware ESX 3.0.3	✓		✓			✓	
VMware ESX 3i			✓			✓	
VMware ESX 3i Update 1	✓		✓			✓	
VMware ESX 3i Update 2	✓		✓			✓	
VMware ESX 3i Update 3	✓		✓			✓	
VMware ESX 3i Update 4	✓						
VMware ESX 3.5			✓			✓	
VMware ESX 3.5 Update 1	✓		✓			✓	
VMware ESX 3.5 Update 2	✓		✓			✓	
VMware ESX 3.5 Update 3						✓	
VMware ESX 3.5 Update 4	✓						
Integrity VM guest running a supported Integrity Windows (Itanium) operating system	✓						
Integrity VM guest running a supported Integrity Linux (Itanium) operating system	✓						
Integrity VM guest running a supported HP-UX operating system	✓						
Citrix Xen Server Enterprise	✓					✓	

Table 3-13 Managed systems supported by HP-UX and HP NonStop Kernel operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
HP UX 11.0							
HP-UX 11i	✓				✓		
HP-UX 11i v2 (11.23 IA only)	✓				✓		
HP-UX 11i v2 Update 2 (11.23 IA/PA)	✓				✓		
HP-UX 11i v3	✓				✓		
HP Tru64 UNIX®	✓				✓		
HP NonStop Kernel	✓				✓		

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
OpenVMS	✓				✓		
OpenVMS v8.3-1H1	✓				✓		

Table 3-14 Managed systems supported by IBM operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
AIX	✓						

Table 3-15 Managed systems supported by Solaris operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
Solaris 8 Intel Platform	✓						
Solaris 9 Sparc	✓						
Solaris 9 Intel Platform	✓						
Solaris 10 Sparc	✓						
Solaris 10 Intel Platform	✓						

Table 3-16 Managed systems supported by Novell operating systems in ICE components

Operating system	HP SIM	RDP	PMP	VPM	IPM	VMM	
Netware 6.0	✓						
Netware 6.5	✓						

4 Technical Support

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 software suites and select HP Insight 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. With this service, Insight software customers 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:

If you received a license entitlement certificate, automated registration for this service takes place upon online redemption of the license certificate/key.

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. Using your SAID, you can also go to the Software Update Manager (SUM) web page at <http://www.itrc.hp.com/service/sum/home.do> to view your contract online and elect electronic delivery for product updates.

- **Warranty**—HP will replace defective delivery media for a period of 90 days from the date of purchase. This warranty applies to all HP Insight software HP Systems Insight Manager products.
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- **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>.

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