

# HP Insight Software Installation Checklist



© Copyright 2006-2009 Hewlett-Packard Development Company, L.P.

**Legal Notices**

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

**Acknowledgments**

Microsoft, Windows, and Windows NT are U.S. registered trademarks of Microsoft Corporation. Windows Server 2003 is a U.S. trademark of Microsoft Corporation.

Adobe and Acrobat are trademarks of Adobe Systems Incorporated.

---

# Table of Contents

About this checklist.....	7
Typographic Conventions.....	7
1 HP Insight Software checklist.....	9
Preparing to install.....	9
Installing HP Insight Software.....	9
2 HP Insight Software Central Management Server requirements.....	11
Hardware requirements.....	11
Software requirements.....	11
Supported configurations.....	14
3 HP Insight Software installation and configuration parameters.....	15
Component summary.....	15
HP Insight Software configuration parameters.....	17
4 Onboard Administrator installation configuration parameters.....	25
IP addresses and password configuration parameters.....	25
Rack and enclosure configuration parameters.....	25
Account configuration parameters.....	26
User configuration parameters.....	26
Server and interconnect EBIPA configuration parameters.....	27
Directory configuration parameters.....	31
Network configuration parameters.....	31
SNMP configuration parameters.....	32
Power management configuration parameters.....	32
5 Technical Support.....	33



---

# List of Tables

1-1	Before you begin.....	9
1-2	Installing HP Insight software.....	9
2-1	Hardware requirements.....	11
2-2	Operating system naming convention.....	11
2-3	Component Abbreviations.....	11
2-4	HP Insight software CMS requirements.....	12
2-5	Supported browsers in Insight software components .....	12
2-6	Supported Windows CMS operating systems in Insight software components .....	13
2-7	Supported Virtual Servers for Insight software components .....	13
2-8	HP Insight software supported CMS databases.....	14
3-1	HP components licensed with HP Insight Software suites.....	17
3-2	Select components and root installation directory.....	18
3-3	Insight Rapid Deployment configuration parameters.....	18
3-4	HP SIM configuration parameters.....	19
3-5	Database configuration parameters.....	19
3-6	Automatic login after reboot.....	20
3-7	Proxy configuration parameters.....	20
3-8	Installing or upgrading Insight Rapid Deployment configuration parameters.....	21
3-9	Protocol, community string, and discovery configuration parameters.....	22
3-10	HP Virtual Connect Enterprise Manager configuration parameters.....	23
3-11	HP Insight Orchestration software configuration parameters.....	23
4-1	Onboard Administrator IP addresses and password configuration parameters.....	25
4-2	Onboard Administrator rack and enclosure configuration parameters.....	25
4-3	Onboard Administrator account configuration parameters.....	26
4-4	Onboard Administrator user configuration parameters.....	26
4-5	Shared device settings for device bays table.....	27
4-6	Device Bay EBIPA table (HP BladeSystem c3000 device bay range is 1 to 8).....	28
4-7	Shared interconnect settings for interconnect bays table.....	30
4-8	Interconnect bay EBIPA settings table (HP BladeSystem c3000 Interconnect bay range is 1 to 4).....	30
4-9	Onboard Administrator Directory configuration parameters.....	31
4-10	Onboard Administrator network configuration parameters.....	31
4-11	Onboard Administrator SNMP configuration parameters.....	32
4-12	Onboard Administrator power management configuration parameters.....	32



---

## About this checklist

This installation checklist provides the preliminary information required to speed and simplify installation of the following items:

- HP Insight software suites and HP Insight software components
- Onboard Administrator configuration parameters for HP BladeSystem c-Class server blades

This installation checklist describes the preliminary information required to configure the parameters for installation of HP Insight software and HP BladeSystem Onboard Administrator for HP BladeSystem c-Class server blades. It is important to gather this information ahead of time to simplify and speed installation of these applications.

## Typographic Conventions

<i>find</i> (1)	HP-UX manpage. In this example, “find” is the manpage name and “1” is the manpage section.
<i>Book Title</i>	Title of a book or other document.
<u><i>Linked Title</i></u>	Title that is a hyperlink to a book or other document.
<u><a href="http://www.hp.com">http://www.hp.com</a></u>	A Web site address that is a hyperlink to the site.
Command	Command name or qualified command phrase.
<b>user input</b>	Commands and other text that you type.
computer output	Text displayed by the computer.
<b>Enter</b>	The name of a keyboard key. Note that <b>Return</b> and <b>Enter</b> both refer to the same key. A sequence such as <b>Ctrl+A</b> indicates that you must hold down the key labeled <b>Ctrl</b> while pressing the <b>A</b> key.
<b>term</b>	Defined use of an important word or phrase.
variable	The name of an environment variable, for example <code>PATH</code> or <code>errno</code> .
value	A value that you may replace in a command or function, or information in a display that represents several possible values.
<element>	An element used in a markup language.
attrib=	An attribute used in a markup language.



# 1 HP Insight Software checklist

## Preparing to install

**Table 1-1 Before you begin**

To do	For more information	Done
Verify requirements are met.	Chapter 2 "HP Insight Software Central Management Server requirements"	
Record installation and configuration parameters.	Chapter 3 "HP Insight Software installation and configuration parameters"	
Record Onboard Administrator installation and configuration parameters.	Chapter 4 "Onboard Administrator installation configuration parameters"	

## Installing HP Insight Software

**Table 1-2 Installing HP Insight software**

To do	For more information	Done
Insert the first Insight Software DVD into the DVD-ROM of the intended management server and follow the onscreen instructions.	<i>HP Insight software Installation and Configuration Guide</i>	
Perform post-installation configuration tasks.	<i>HP Insight Software Installation and Configuration Guide</i>	
Perform licensing procedures.	<i>HP Insight software Installation and Configuration Guide</i>	



# 2 HP Insight Software Central Management Server requirements

## Hardware requirements

The following table lists the Insight software 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). If you are installing HP Insight Dynamics – VSE, 4 - 6 GB is recommended.
Processor	At least 1.6 GHz (2 GHz or faster recommended) <sup>2</sup>
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). <sup>3</sup>
File structure	New Technology File System (NTFS)
DVD drive	Local or mapped DVD drive required

1 Construction of a system meeting the minimum memory requirements for Virtual Server Environment (VSE) operation is problematic on 32-bit versions of the Windows Server family due to the maximum addressable memory space of a 32-bit operating system of 4 GB. This memory space is also shared by some hardware elements, such as video memory, reducing the maximum available memory below the minimum recommended by HP. To overcome this limitation, the /PAE switch can be added to the boot.ini file to enable the Physical Address Extension feature. This allows access to memory above 4 GB on 32-bit operating system editions running on hardware that supports PAE.

2 For HP Insight Dynamics – VSE, two or more processing cores are required.

3 For information about HP Insight Dynamics requirements, see the *HP Insight Dynamics - VSE and HP VSE Management Software Version 4.1 Support Matrix* or *HP Insight Dynamics - VSE & VSE Management Software Version 4.1 Getting Started Guide*.

## Software requirements

The following naming conventions are used in Table 2-4 “ HP Insight software 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) <sup>1</sup>
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)

1 ID – VSE, VCEM, IO, and HP IR do not support CMS installation to 64-bit Windows Server 2008. For more information, see the component's support matrix.

The following abbreviations are used in the tables.

**Table 2-3 Component Abbreviations**

Abbreviation	Component
HP II	HP Integrated Installer
HP IR	HP Insight Recovery
HP SIM	HP Systems Insight Manager
IPM	HP Insight Power Manager
IO	HP Insight Orchestration software

Abbreviation	Component
PMP	HP Performance Management Pack
RDP	HP Insight Rapid Deployment software
SMP	HP Insight Server Migration software for ProLiant <sup>1</sup>
VMM	HP Virtual Machine Management Pack
VPM	HP Vulnerability and Patch Management
VSE	Virtual Server Environment <sup>2</sup>

1 See the *HP Insight Server Migration software for ProLiant Support Matrix* information about differences between migrations.

2 See the *HP Insight Dynamics - VSE and HP VSE Management Software Version 4.1 Support Matrix*.

**Table 2-4 HP Insight software 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 <sup>1</sup>	✓	✓	✓		✓	
.NET 2.0 Framework <sup>2</sup>	✓	✓	✓		✓	
.NET 3.0 Framework <sup>3</sup>	✓	✓	✓		✓	
Acrobat® Reader	✓	✓	✓		✓	
Adobe Flash Player 9.0 <sup>3</sup>	✓	✓	✓		✓	
Microsoft iSCSI Software Initiator 2.06, 2.07 or 2.08 <sup>4</sup>			✓		✓	
iSCSI 6.0.6001.18000 <sup>5</sup>	✓	✓				
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 <sup>6</sup>	✓	✓	✓		✓	

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 Orchestration software.

4 This requirement applies to HP Insight Server Migration software for ProLiant.

5 This requirement applies to HP Insight Server Migration software for ProLiant and is already installed by default.

6 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 Insight software components**

Browser	HP SIM	RDP	PMP	VPM	IPM	VMM	SMP	ID-VSE	IO	HP IR	VCEM
Microsoft Internet Explorer 6.0 SP2	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>1</sup>	✓	✓
Microsoft Internet Explorer 7.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mozilla Firefox 2.0	✓		✓		✓	✓	✓	✓			✓

Browser	HP SIM	RDP	PMP	VPM	IPM	WMM	SMP	ID-VSE	IO	HP IR	VCEM
Mozilla Firefox 3.0	✓		✓		✓		✓	✓	✓		✓

1 IO requires Internet Explorer 6.0 SP3.

**Table 2-6 Supported Windows CMS operating systems in Insight software components**

Operating system	HP II	HP SIM	RDP	PMP	VPM	IPM	WMM	SMP	ID-VSE	IO	HP IR	VCEM
Windows Server 2008, Standard and Enterprise Edition SP1 32-bit		✓		✓			✓					
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 Insight software components**

Operating system	HP II	HP SIM	RDP	PMP	VPM	IPM	WMM	SMP	ID-VSE	IO	HP IR	VCEM
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	✓	✓	✓	✓			✓	✓	✓			✓
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		✓	✓			✓		✓				

Operating system	HP II	HP SIM	RDP	PMP	VPM	IPM	WMM	SMP	ID-VSE	IO	HP IR	VCEM
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 <sup>1</sup>		✓	✓		✓	✓						

<sup>1</sup> 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 HP Insight software . Installations with Microsoft Data Engine (MSDE) 2000 Service Pack 3a are migrated to Microsoft SQL 2005 Express Edition Service Pack 2.

**Table 2-8 HP Insight software supported CMS databases**

Database	Local database	Remote database
Microsoft SQL Server 2008 <sup>1</sup>	✓	✓
Microsoft SQL Server 2005 SP2 <sup>1</sup>	✓	✓
Microsoft SQL Server 2005 Express Edition SP2 <sup>2</sup>	✓	

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

<sup>2</sup> 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 from the servers shown in the following figure. 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 HP Insight Software installation and configuration parameters

The Insight Software DVD supports installation and upgrade of individual products as well as the following suites:

- HP Systems Insight Manager (HP SIM)
- HP Insight Control Environment (ICE)
- HP Insight Control Environment for BladeSystem (ICE-BL)
- HP Insight Dynamics – VSE
- iLO Power Management Pack (iPMP)
- iLO Power Management Pack for BladeSystem (iPMP-BL)

HP Insight software uses an integrated installer to quickly and accurately deploy, configure, integrate, and update HP Insight software suites and individual management products. This wizard-based installer enables you to predefine installation and configuration preferences for HP management software, including access credentials, performance settings, and discovery parameters. Using the integrated installer, you can install all components as a single integrated process that requires minimal intervention.

### Component summary

You can install the following components using the HP Insight Software Integrated Installer:

- 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 Insight Software Integrated Installer—A wizard-based installer used by HP Insight software suites to simplify the installation, configuration, and integration of HP SIM and Insight Essentials.
- 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.
- Insight Software Advisor—Automatically verifies the target platform for compliance with installation prerequisites. The Advisor runs a series of tests on the server and identifies issues that might affect the HP Insight software integrated installation or operation.



---

**NOTE:** The Insight Software Advisor was formerly called the HP Insight Control Environment Advisor.

---

- 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.
- HP Insight Server Migration software for ProLiant (SMP)—Provides an automated, accurate, and affordable way to migrate existing servers (physical or virtual) and their content to the latest HP BladeSystem or ProLiant server technologies, or to the latest virtualization platforms like VMware™, Microsoft™, and Citrix. SMP supports physical-to-ProLiant (P2P), virtual-to-ProLiant (V2P), physical-to-virtual (P2V), and virtual to virtual (V2V) migrations.
- HP Virtual Connect Enterprise Manager (VCEM)—Simplifies the management of BladeSystem environments that use HP Virtual Connect to control LAN and SAN connectivity. This application provides a central console to manage and control infrastructure resources, a single resource pool for LAN and SAN address administration, and grouping capabilities that enable rapid, reliable deployment and movement of servers across the data center.
- System Management Homepage (SMH)—Used by the suite of Web Based Enterprise Management to communicate over HTTP and HTTPS, which provides a uniform set of functionality and security to HP Web-enabled system management software.
- HP Version Control Repository Manager (VCRM)—In conjunction with the HP Version Control Agent (VCA), a tool that enables you to manage HP provided software stored in a repository.
- WMI Mapper—Makes it possible to retrieve WMI instrumented data from a Microsoft Windows supported system via Web Based Enterprise Management (WBEM) requests.
- Remote Support Software Manager (RSSWM)—A standalone application that you can use to manage software. It lists new software packages and updates for installed software that can be set to automatically or manually download and install the software. Some software packages require RSSWM.
- HP Systems Insight Manager Integration Module for Insight Rapid Deployment (RDP-HP SIM Connector)—Enables you to start deployments from the HP SIM console, in context of selected servers or groups of servers. The connector also synchronizes the RDP and HP SIM device databases.
- HP Insight Orchestration (IO) software—An optional extension of HP Insight Dynamics – VSE that enables self-service infrastructure capabilities. Using IO, you can design best practice infrastructure services, automatically provision from pools of resources through a self-service portal, continuously operate and optimize deployed infrastructure services, and integrate with existing management tools and processes using the embedded workflow automation software.
- Virtual Server Environment (VSE) management software—A set of applications which are among the components delivered by the HP Insight Dynamics – VSE for ProLiant and Virtual Server Environment for Integrity. These applications include HP Virtualization Manager and HP Capacity Advisor (CapAd).
- HP Insight Recovery software (HP IR)—An optional extension of the HP Insight Dynamics – VSE that provides for automated disaster recovery of logical server environments. With a simple click, HP Insight Recovery transfers applications running on HP BladeSystems or in VMware™ virtual machines to a recovery site from a site impacted by a disaster situation.

The "HP components licensed with HP Insight Software suites" table lists licensing options for HP Insight software components. A checkmark signifies that the component is licensed with the suite.

The HP Insight Dynamics – VSE has separate license keys. HP Insight Control Environment is a prerequisite for using the HP Insight Dynamics. HP Virtual Connect Enterprise Manager is installed along with the HP Insight Dynamics – VSE on the Central Management Server, but is licensed separately for c-Class enclosures.

HP Insight Orchestration software and HP Insight Recovery both require HP Insight Dynamics – VSE, but are licensed separately.

**Table 3-1 HP components licensed with HP Insight Software suites**

Component	Licensed with ICE	Licensed with ICE-BL	Licensed with HP Insight Dynamics – VSE	Licensed with iPMP	Licensed with iPMP-BL
HP Systems Insight Manager (HP SIM)	✓	✓	✓	✓	✓
HP Insight Power Manager (IPM)	✓	✓		✓	✓
HP Insight Rapid Deployment software (RDP) *	✓	✓			
Insight Software Advisor	✓	✓	✓	✓	✓
HP Performance Management Pack (PMP)	✓	✓			
HP Vulnerability and Patch Management Pack (VPM)	✓	✓			
HP Virtual Machine Management Pack (VMM)	✓	✓			
HP Insight Server Migration software for ProLiant			✓		
HP Virtual Connect Enterprise Manager (VCEM)*					
HP Insight Orchestration (IO) software*					
HP Virtual Server Environment Management Software (Windows CMS)			✓		
HP Insight Recovery (HP IR)*					
* - Licensed separately <b>NOTE:</b> You can install all components as part of an HP Insight software installation, but you license some components separately.					

The Insight Software DVD can be accessed from the local installation server or mapped from another system.

## HP Insight Software configuration parameters

The integrated installer uses the information in the following table to implement and configure HP SIM and the other Insight software products.

Before beginning the HP Insight software integrated installation process:

- Record the configuration parameters in the Value column shown below, or configure the settings as listed.
- Use the Insight software Advisor located on DVD #1 to verify that all prerequisites are met. This tool verifies the CMS platform for compliance with installation prerequisites. To access this tool during installation, follow the link on the **Warning** screen of the HP Insight software installer.

Configuration parameters vary depending on the components selected for installation and whether the selected component must be installed or upgraded.

During the installation:

- Install or upgrade HP Insight software by management suite or by customized product list. One or more suites or components can be selected for installation. Individual components can also be installed or upgraded using the integrated installer.
- If you are installing HP Insight Rapid Deployment software, then have your operating system media and Windows keys available for use during installation.

Record the root installation directory in the following table.

**Table 3-2 Select components and root installation directory**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install/Upgrade	List of suites and components to install		Any listed suites and components	You can install by suite or individual product. You can select more than one suite or component.
Install	DVD #2 location		Any valid DVD drive or ISO mounting utility location	You can install DVD #2 directly from the DVD drive or using an ISO mounting utility.
Install	Installation directory		Any valid directory on the installation system (default is C:\Program Files\HP)	The directory where you want to install HP Insight software components. Previously installed components are upgraded in their current location. The installation directory cannot be changed for upgrades.

Record existing Insight Rapid Deployment configuration parameters in the following table.

**Table 3-3 Insight Rapid Deployment configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install (local HP Insight Rapid Deployment software)	Insight Rapid Deployment network interface (used for PXE)		Any detected NIC	The NIC through which images will be deployed on the associated network. Deployment targets must be on the same network.
Reuse (remote HP Insight Rapid Deployment software)	Existing deployment server host name or IP address		IP address ###.###.###.###, where ### ranges from 0 to 255, or a fully qualified host name	The host name or IP address of the existing Insight Rapid Deployment installation. This installation must be version 3.00 or later.
Reuse (remote Insight Rapid Deployment)	Existing Insight Rapid Deployment username		A valid, existing Insight Rapid Deployment username	The administrator username for the existing Insight Rapid Deployment installation.
Reuse (remote Insight Rapid Deployment)	Existing Insight Rapid Deployment password		A valid, existing Insight Rapid Deployment password	The administrator password for the existing Insight Rapid Deployment installation.
Upgrade (local Insight Rapid Deployment)	Existing Insight Rapid Deployment username		A valid, existing Insight Rapid Deployment username	The administrator username for the existing Insight Rapid Deployment installation.
Upgrade (local Insight Rapid Deployment)	Existing Insight Rapid Deployment password		A valid, existing Insight Rapid Deployment password	The administrator password for the existing Insight Rapid Deployment installation.

**NOTE:** Passwords must be alphanumeric characters or - \_ \$ & ^ % # = ` ~ | < > period and space. Do not use a \$ as the first character or a space as the last character in the account password.  
If you are not installing VPM 3.0, your password can also include + \ [ ] ( ) \* ! @ ; and comma.

Record the HP SIM configuration parameters in the following table.

**Table 3-4 HP SIM configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install	Installing username		A valid, existing username with administrative privileges. When HP SIM is being reused or upgraded, the username field is automatically populated with the username in use by HP SIM and cannot be changed.	The username for the administrator performing the installation. This administrator has full control of the HP SIM installation.
Install	Installing password		A valid password for the username.	The password for the HP SIM administrator performing the installation.
Install	Domain		Domain account with administrator privileges in the local server or domain name currently in use by HP SIM.	When the server is part of a Windows domain, a domain account with administrative privileges in the local server can be used. In this case, use the domain for the account provided in the username. When HP SIM is being reused or upgraded, the domain is automatically selected with the domain name in use by HP SIM and cannot be changed.
Reuse/Upgrade	Existing HP SIM password		A valid HP SIM password.	The password for the administrator account for the existing HP SIM installation.
<p><b>NOTE:</b> Passwords must be alphanumeric characters or - _ \$ &amp; ^ % # = ` ~   &lt; &gt; period and space. Do not use a \$ as the first character or a space as the last character in the account password. If you are not installing VPM 3.0, your password can also include + \ [ ] ( ) * ! @ ; and comma.</p>				
<p><b>NOTE:</b> If HP SIM is already installed, then the HP Insight software Integrated Installer reads the service and database credentials from the previous HP SIM installation. You must upgrade using these same credentials.</p>				

Record the database configuration parameters in the following table.

**Table 3-5 Database configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install	Database type (SQL Express or SQL Server)		New SQL Express or existing SQL or SQL Express database	The installer installs SQL Express or uses an existing SQL or SQL Express database.
Install	Database username		A valid user with database administrator privileges (required to create databases)	The username for database access (Windows authentication). User must have administrative privileges to the database and CMS.
Install/Reuse	Database password		Valid password for database administrative user	The password for database access (Windows authentication). User must have administrative privileges to the database and CMS.
Install	Database domain		Windows domain	The Windows domain for the database server

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install	Database hostname		Valid hostname	The host name or IP address of the database server
Install	Database instance name		Valid database instance. Leave blank to use the default instance	The existing database instance name (optional)
Install	Database port		Range: 65535 Default: 1433	The database port to be used for the components
<p><b>NOTE:</b> Passwords must be alphanumeric characters or - _ \$ &amp; ^ % # = ` ~   &lt; &gt; period and space. Do not use a \$ as the first character or a space as the last character in the account password.</p> <p>If you are not installing VPM 3.0, your password can also include + \ [ ] ( ) * ! @ ; and comma.</p>				
<p><b>NOTE:</b> If HP SIM is already installed, the HP Insight software Integrated Installer reads the service and database credentials from the previous HP SIM installation. You must upgrade using these same credentials.</p>				

Record the information so an automatic login after rebooting occurs.

**Table 3-6 Automatic login after reboot**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install or Upgrade	Enable automatic logon		Yes or No	A reboot might be required after installing or upgrading HP SIM or Insight Rapid Deployment . To enable an automatic login to continue the installation after the reboot, provide credentials for a one-time login.
Install or Upgrade	Logon password		Valid password for the current installation user.	The password for the current user that will be used to logon after the reboot.
<p><b>NOTE:</b> Passwords must be alphanumeric characters or - _ \$ &amp; ^ % # = ` ~   &lt; &gt; period and space. Do not use a \$ as the first character or a space as the last character in the account password.</p> <p>If you are not installing VPM 3.0, your password can also include + \ [ ] ( ) * ! @ ; and comma.</p>				

Record the proxy configuration parameters in the following table.

**Table 3-7 Proxy configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install	I use an HTTP proxy server		Whether environment requires a proxy server for Internet access	If your environment requires a proxy to access the Internet, the installer configures your proxy settings for the Insight software update utility and Vulnerability and Patch Management Pack. You can configure this setting during or after installation.
Install	Proxy host		IP address (###.###.###.### where ### ranges from 0 to 255) or the name of a valid, fully qualified host	The hostname for proxy server. (Software Update and HP Vulnerability and Patch Management Pack must access the Internet for updates.)
Install	Proxy port		Valid port number ranging from 0 to 65535	The port for proxy server.

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install	My proxy requires authentication		Yes or No	If the proxy requires authentication, select the checkbox. Only basic (not encrypted) authentication is supported.
Install	Proxy username		Valid proxy username	The username for proxy authentication
Install	Proxy password		Valid proxy password	The password for proxy authentication

**NOTE:** Only Microsoft Proxy Server is tested and supported. Only basic authentication for Internet proxy servers is supported. The use of internet proxy server scripts and full NTLM authentication are not supported.

Record the Insight Rapid Deployment configuration parameters in the following table.

**Table 3-8 Installing or upgrading Insight Rapid Deployment configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install or Upgrade	Operating systems to load into HP Insight Rapid Deployment software (media must be supplied) optional but recommended		A list of operating systems can be selected. Physical media or a directory location must be provided	The operating systems to be deployed in the future. These operating systems can be Windows, Linux, or VMware ESX systems. Load these system images so that their location can be verified, license keys can be entered, and associated ProLiant Support Packs can be made ready for installation. Loading these system images ensures that deployment payload data is given to Insight Rapid Deployment target systems.
Install	Create IIS FTP virtual directory named DSLIB (required if VMware or Linux is to be deployed)		Yes or No	To perform VMware or Linux deployments, an FTP server must be available before beginning the installation process. To set up the FTP server, from the Windows start menu, select <b>Control Panel</b> → <b>Add/Remove Programs</b> .
Install	Windows Server 2003 product key (optional)		A valid Windows Server 2003 key	This key deploys Windows Server 2003. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2003 x64 product key (optional)		A valid Windows Server 2003 key	This key deploys Windows Server 2003 x64. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2003 IA64 product key (optional)		A valid Windows Server 2003 key	This key deploys Windows Server 2003 IA64. For more information, see your Microsoft licensing agreement.

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install	Windows Server 2008 x86 Datacenter key (optional)		A valid Windows Server 2008 key	This key deploys Windows Server 2008 x86 Datacenter. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2008 x86 Enterprise key (optional)		A valid Windows Server 2008 key	This key deploys Windows Server 2008 x86 Enterprise. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2008 x86 Standard key (optional)		A valid Windows Server 2008 key	This key deploys Windows Server 2008 x86 Standard. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2008 x64 Datacenter key (optional)		A valid Windows Server 2008 key	This key deploys Windows Server 2008 x64 Datacenter. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2008 x64 Enterprise key (optional)		A valid Windows Server 2008 key	This key deploys Windows Server 2008 x64 Enterprise. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2008 x64 Standard key (optional)		A valid Windows Server 2008 key	This key deploys Windows Server x64 Standard. For more information, see your Microsoft licensing agreement.
Install	Windows Server 2008 IA64 product key (optional)		A valid Windows Server 2008 key	This key deploys Windows Server 2008 IA64. For more information, see your Microsoft licensing agreement.
Install	SNMP setting for deployed targets		Up to 32 characters and including the following: uppercase and lowercase alphanumeric, hyphen, or underscore. Do not include spaces. Default: public.	The SNMP string that is used for managing deployed targets. This string is used on the community string of all deployed targets.

Record the protocol, community string, and discovery range configuration parameters in the following table.

**Table 3-9 Protocol, community string, and discovery configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install HP SIM	Global protocol settings (recommended)		Up to four username and password pairs used to remotely access the systems you are attempting to manage	The WBEM credentials enable authentication of WBEM to enable access to management information.

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install HP SIM	SNMP community string (recommended)		Up to 32 characters and including the following: uppercase and lowercase alphanumeric, hyphen, or underscore. Do not include spaces.	The SNMP community string enables authentication of SNMP messages. If you have SNMP systems and you do not enter read community strings that match these systems, HP SIM does not discover them.
Install HP SIM	HP SIM Discovery range (recommended)		###.###.###.###, where ### ranges from 0 to 255. Multiple ranges can be specified by separating them with white space (tabs, new lines, and spaces).	The range of IP addresses on which HP SIM attempts to discover devices. A large IP address range takes longer to discover than a targeted range. Starting a discovery process from the integrated installer initiates the population of the database. Scheduled discoveries can be set up during the HP SIM postinstallation configuration process.

**Table 3-10 HP Virtual Connect Enterprise Manager configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Install	Local storage directory		Any valid directory on the installation system that the user has access to (default is C:\Documents and Settings\All Users\Application Data\HP\Virtual Server Environment)	Location to store VSE Management Software data such as power information for each managed node, capacity planning historical utilization data, and capacity planning reports. If large amounts of historical utilization data is desired for better capacity planning purposes, a separate drive with ample disk space should be considered to enable future growth (max of 4 GB for every 100 workloads with 4 years of historical data each).

**Table 3-11 HP Insight Orchestration software configuration parameters**

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Reuse	RDP hostname		Valid hostname	The host name or IP address of the RDP server
Reuse	RDP account name		Valid account name	A valid account name for the RDP server
Reuse	RDP password		Valid password	A valid password for the RDP server
Reuse	SMTP hostname		Valid hostname	The host name or IP address of the SMTP server
Reuse	SMTP port number		Valid port number, typically 25	A valid account name for the RDP server
Reuse	SMTP username		Valid username	If required, a user name for the SMTP server can be entered

Install, Reuse, Upgrade	Parameter	Value	Possible value	Description
Reuse	SMTP password		Valid password	If required, a valid password for the SMTP server can be entered
<p><b>NOTE:</b> Passwords must be alphanumeric characters or - _ \$ &amp; ^ % # = ` ~   &lt; &gt; period and space. Do not use a \$ as the first character or a space as the last character in the account password.</p> <p>If you are not installing VPM 3.0, your password can also include + \ [ ] ( ) * ! @ ; and comma.</p>				

To identify additional parameters needed for HP Insight Dynamics – VSE, see the "Select components and root installation directory" table and the "Database configuration parameters" table.

## 4 Onboard Administrator installation configuration parameters

The Onboard Administrator installation configuration parameters are for c-Class server blades only. Identify the HP BladeSystem c-Class Enclosure Onboard Administrator IP address by using the Insight Display on the front of the enclosure.

The Enclosure Settings screen displays the Onboard Administrator IP address, enclosure, and rack name. The Enclosure Info screen displays which Onboard Administrator is active.

To perform the installation, use the active Onboard Administrator IP address to log in to the Onboard Administrator. For more information, see the *HP BladeSystem Onboard Administrator User Guide*.

A unique default administrator password for each Onboard Administrator is printed on a label on top of each Onboard Administrator module. Before you begin the HP Insight software installation, record the information for all new c-Class enclosures.

To speed the installation, you can complete the Onboard Administrator installation steps at the same time on linked c-Class enclosures in the same rack.

If the Onboard Administrator password has been changed and does not match the password on the product label, you must recover the password.

For more information, see the *HP BladeSystem Onboard Administrator User Guide*.

### IP addresses and password configuration parameters

Record the Onboard Administrator IP addresses and password configuration parameters in the following table.

**Table 4-1 Onboard Administrator IP addresses and password configuration parameters**

Parameter	Value
Onboard Administrator 1 IP address	
Onboard Administrator 1 password	
Onboard Administrator 2 IP address	
Onboard Administrator 2 password <sup>1</sup>	
Active Onboard Administrator	

<sup>1</sup> You cannot set a password for a standby Onboard Administrator. The password is the same as the active Onboard Administrator.

### Rack and enclosure configuration parameters

Record a common name, date, and time setting for your rack in the following table. You can also provide unique names and asset tags for each enclosure.

**Table 4-2 Onboard Administrator rack and enclosure configuration parameters**

Parameter	Value
Rack name	
Date	
Time	
Time zone	
Enclosure name	
Asset tag	

## Account configuration parameters

Record account configuration parameters that apply to the built-in administrator account for each enclosure in the following table.

**Table 4-3 Onboard Administrator account configuration parameters**

Parameter	Value	Possible value	Description
Full name		0 to 20 characters, including alphanumeric characters, dash, underscore, and space	The full name of the user
Contact		0 to 20 characters, including alphanumeric characters, dash, underscore, and space	The contact information for the user account, which can be the name of an individual, a telephone number, or other useful information
Administrator password		3 to 40 characters, including all printable characters	The password for the user account
Insight Display password (enabling password protection is optional)		1 to 6 characters, all must be alphanumeric	The password for the enclosure LCD

## User configuration parameters

The User Setup screen displays the user accounts assigned to the current HP Onboard Administrator and provides choices for adding, editing, and deleting accounts.

The access control model divides users into three groups: Administrators, Operators, and Users. Record the configuration parameters in the following table.

**Table 4-4 Onboard Administrator user configuration parameters**

Parameter	Value	Possible value	Description
Username		3 to 40 characters, including alphanumeric characters, dash, and underscore. The username must begin with a letter and is case sensitive.	The following usernames are reserved and cannot be used: <ul style="list-style-type: none"> <li>Administrator</li> <li>ldapuser</li> <li>nobody</li> <li>switch 1</li> <li>switch 2</li> <li>switch 3</li> <li>switch 4</li> <li>switch 5</li> <li>switch 6</li> <li>switch 7</li> <li>switch 8</li> <li>root</li> <li>vcuser</li> </ul>
Password		3 to 40 characters, including all printable characters	The password of the user
Full name		0 to 20 characters, including alphanumeric characters, dash, underscore, and space	The full name of user. All users can modify their own full name.
Contact		0 to 20 characters, including alphanumeric characters, dash, underscore, and space	The contact information for the user account, which can be the name of an individual, a telephone number, or other useful information. All users can modify their own contact information.

Parameter	Value	Possible value	Description
Privilege level		Administrator, Operator, or User	<p>Only the Administrator can set the privilege level.</p> <ul style="list-style-type: none"> <li>Administrator—Can perform all actions on the enclosure</li> <li>Operator—Can perform all actions on the enclosure except administering users and certificates</li> <li>User (read-only) <ul style="list-style-type: none"> <li>Can view all information</li> <li>Can launch web interfaces to other devices</li> <li>Cannot change any configuration settings</li> </ul> </li> </ul>
User permissions		—	A list of the Onboard Administrator bays, server bays, and interconnect bays that can be managed by the user

## Server and interconnect EBIPA configuration parameters

Enclosure Bay IP Addressing (EBIPA) enables you to assign static IP addresses to server bays, interconnect bays (or both) in the enclosure. These IP addresses are used by the server blade Integrated Lights Out (iLO) ports when inserted into a bay. In addition, an interconnect module (switch) management port, if available, uses the preassigned IP address when inserted into the interconnect bay.

Omit this step if your network has an external DHCP service or if you want to manually assign static IP addresses individually to the server blades and interconnect modules.

Record the configuration parameters in the following tables.

**Table 4-5 Shared device settings for device bays table**

Parameter	Value	Possible value	Description
Subnet mask		###.###.###.###, where ### ranges from 0 to 255	The subnet mask for the server bays
Gateway		###.###.###.###, where ### ranges from 0 to 255	The gateway address for the server bays
Domain		A character string that includes alphanumeric characters and the dash	The domain name for the server bays
DNS server 1		###.###.###.###, where ### ranges from 0 to 255	The IP address for the primary DNS server
DNS server 2		###.###.###.###, where ### ranges from 0 to 255	The IP address for the secondary DNS server
DNS server 3		###.###.###.###, where ### ranges from 0 to 255	The IP address for the tertiary DNS server
NTP server 1		###.###.###.###, where ### ranges from 0 to 255	The IP address of the primary server that synchronizes time and date using the NTP protocol
NTP server 2		###.###.###.###, where ### ranges from 0 to 255	The IP address of the secondary server that synchronizes time and date using the NTP protocol

**Table 4-6 Device Bay EBIPA table (HP BladeSystem c3000 device bay range is 1 to 8)**

Bay	EBIPA enabled (Y/N)	Possible value	EBIPA address parameter	Possible value	Description
1		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
2		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
3		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
4		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
5		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
6		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
7		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
8		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled

Bay	EBIPA enabled (Y/N)	Possible value	EBIPA address parameter	Possible value	Description
9		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
10		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
11		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
12		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
13		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
14		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
15		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
16		To enable EBIPA, select the checkbox. To disable EBIPA, clear the checkbox. By default, the checkbox is not selected.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled

**Table 4-7 Shared interconnect settings for interconnect bays table**

Parameter	Value	Possible value	Description
Subnet mask		###.###.###.###, where ### ranges from 0 to 255	The subnet mask for the interconnect bays
Gateway		###.###.###.###, where ### ranges from 0 to 255	The gateway address for the interconnect bays
Domain		A character string that includes alphanumeric characters and the dash	The domain name for the interconnect bays
DNS server 1		###.###.###.###, where ### ranges from 0 to 255	The IP address for the primary DNS server
DNS server 2		###.###.###.###, where ### ranges from 0 to 255	The IP address for the secondary DNS server
DNS server 3		###.###.###.###, where ### ranges from 0 to 255	The IP address for the tertiary DNS server
NTP server 1		###.###.###.###, where ### ranges from 0 to 255	The IP address of the primary server that synchronizes time and date using the NTP protocol
NTP server 2		###.###.###.###, where ### ranges from 0 to 255	The IP address of the secondary server that synchronizes time and date using the NTP protocol

**Table 4-8 Interconnect bay EBIPA settings table (HP BladeSystem c3000 Interconnect bay range is 1 to 4)**

Bay	EBIPA enabled (Y/N)	Possible value	EBIPA address parameter	Possible value	Description
1		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
2		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
3		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
4		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
5		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
6		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled
7		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled

Bay	EBIPA enabled (Y/N)	Possible value	EBIPA address parameter	Possible value	Description
8		Select the checkbox to enable EBIPA or leave it cleared to disable EBIPA for the bay.		###.###.###.###, where ### ranges from 0 to 255	The IP address assigned to the device bay if EBIPA is enabled

## Directory configuration parameters

Use the Directory Settings screen to set directory access for the currently selected enclosures. Record the configuration parameters in the following table.

**Table 4-9 Onboard Administrator Directory configuration parameters**

Parameter	Value	Possible value	Description
Enable LDAP authentication		Yes or No	Choice to enable or disable LDAP authentication. Yes means LDAP authentication is enabled. No means LDAP authentication is not enabled.
Enable local users		Yes or No	Choose to enable or disable local users.
Directory server address		###.###.###.###, where ### ranges from 0 to 255 or DNS name of the directory server or the name of the domain	The IP address, DNS name, or domain name of the directory service
Directory server SSL port		1-65535	The port used for LDAP communications
Search context 1-3		Maximum of 128 characters	Searchable paths used to locate the user when the user tries to authenticate using directory services
Use Microsoft®Windows NT® account name mapping (DOMAIN\username)		Yes or No	—

## Network configuration parameters

Use the Onboard Administrator network settings screen to modify network configuration parameters for the active HP Onboard Administrator.

Select Dynamic Host Configuration Protocol (DHCP) or Static Internet Protocol (IP).

Enter the DHCP or static IP configuration parameters for each active Onboard Administrator. Record the configuration parameters in the following table.

**Table 4-10 Onboard Administrator network configuration parameters**

Parameter	Value	Possible value	Description
IP address		###.###.###.###, where ### ranges from 0 to 255	Static IP address (leave blank for DHCP)
Subnet mask		###.###.###.###, where ### ranges from 0 to 255	Mask numbers (leave blank for DHCP)
Gateway		###.###.###.###, where ### ranges from 0 to 255	—
DNS server 1		###.###.###.###, where ### ranges from 0 to 255	—
DNS server 2		###.###.###.###, where ### ranges from 0 to 255	—

## SNMP configuration parameters

If you are using SNMP, record the configuration parameters in the following table.

**Table 4-11 Onboard Administrator SNMP configuration parameters**

Parameter	Value	Possible value	Description
System location		0 to 20 characters, including alphanumeric, dash, underscore, and space	The SNMP location of the enclosure
System contact		0 to 20 characters, including alphanumeric, dash, underscore, and space	The name of the system contact
Read community		0 to 20 characters, including alphanumeric, dash, and underscore	The read community name. Default: public.
Write community		0 to 20 characters, including alphanumeric, dash, and underscore	The write community name. Default: blank.
SNMP alert destination IP address		###.###.###.###, where ### ranges from 0 to 255	The management station IP address
SNMP alert destination community string		0 to 20 characters, including alphanumeric, dash, and underscore	A text string that acts as a password that authenticates messages sent between HP SIM and HP Onboard Administrator

## Power management configuration parameters

Record the configuration parameters in the following table.

**Table 4-12 Onboard Administrator power management configuration parameters**

Parameter	Value	Possible value	Description
Enclosure Power mode		AC Redundant, Power Supply Redundant, or Not Redundant	The chosen redundant operation mode for the power subsystem
Dynamic Power Savings mode		Yes or No	Yes is the default value because the dynamic power mode saves power in most situations. When enabled, Dynamic Power Server mode runs the required power supplies at a higher rate of use. Unused power supplies remain in standby mode.
Enable Enclosure AC Input Watts Limit		Yes or No	—
Enclosure Input Watts Limit		2,700 VA to 16,400 VA	If a data center has a cooling capacity limitation for the maximum number of VA (watts) that can be cooled per enclosure, set a VA limit. Cooling capacity information can be obtained from your facilities manager. Setting the Input VA limit to less than the maximum VA supplied by the selected power supply mode limits the number of devices that can be powered up and keeps the enclosure within the cooling capacity of the data center.
SNMP alert destination IP address		###.###.###.###, where ### ranges from 0 to 255	The management station IP address
SNMP alert destination community string		0 to 20 characters, including alphanumeric, dash, and underscore	A text string that acts as a password that authenticates messages sent between HP SIM and HP Onboard Administrator

## 5 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.
- **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 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.