

Overview

Lower the cost of running your HP ProLiant servers with best-in-class management tools. HP Insight Control is essential server management that unlocks the potential of your ProLiant servers. Increase server deployment speed 12-fold (20 minutes vs 4 hours). Reduce unplanned downtime by 77%. Triple your data center capacity and safely fit more ProLiant servers within your existing power capacity. Reduce system admin expenses and travel costs with complete remote control anytime, from anywhere.

With Insight Control you can expect to realize the following management benefits:

- Deploy ProLiant servers quickly
- Proactively manage ProLiant server health
- Control your ProLiant servers from anywhere
- Optimize power confidently

Delivered on DVD media, Insight Control uses an integrated installer to deploy and configure HP Systems Insight Manager (HP SIM) and essential infrastructure management software rapidly and consistently, reducing manual installation procedures and speeding time to production. These solutions deliver complete lifecycle management for HP ProLiant and BladeSystem infrastructure. HP Insight Control brings a single, consistent management environment for rapid deployment of the operating system and hardware configuration. HP Insight Control also includes full capabilities to migrate complete servers (both physical and virtual) to new server (both virtual and physical), supporting conversion from physical to virtual and vice-versa and conversion between different virtualization environments. In addition, Insight Control provides proactive health and performance monitoring, power management, performance analysis, lights-out remote management, and virtual machine management for HP ProLiant ML/DL 300-700 series servers and BladeSystem infrastructure. Insight Control also extends the functionality of Microsoft® System Center and VMware vCenter Server™ by providing seamless integration of the unique ProLiant and BladeSystem manageability features into Microsoft System Center and VMware vCenter Server management consoles.

HP Insight Control is based on HP Systems Insight Manager as the primary management console.

For customers that have chosen Microsoft System Center as their primary console, we offer HP Insight Control for Microsoft System Center, which is based on HP Insight Control, but adds several extensions to make the ProLiant management information available through the System Center consoles, and also adds monitoring, alerting, proactive virtual machine management, and ProLiant OS deployment and update capabilities to the System Center consoles.

For customers that have chosen VMware vCenter Server as their primary console, we offer HP Insight Control for VMware vCenter Server, which is based on HP Insight Control, but adds several extensions to make the ProLiant management information available through the VMware vCenter Server console, enabling comprehensive monitoring, remote control, and power optimization directly from the vCenter console.

HP Insight Control runs on a Windows-based central management server. For customers that prefer a Linux-based central management server, we offer HP Insight Control for Linux. For more information see the specific Insight Control for Linux QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/13019_div/13019_div.html.

HP Insight Control includes one year of 24 x 7 HP Software Technical Support and Update Service ensuring rapid access to HP support staff and proactive delivery of software updates. For more information about this service, please visit: <http://www.hp.com/services/insight>.

Electronic software is now available in most countries. HP recommends purchasing electronic products over physical products when available for faster delivery and the convenience of not having to manage-either file away or throw away-confidential paper licenses. For more information, please contact your reseller or an HP representative.

A license entitlement certificate is delivered via physical shipment or via e-mail. The license entitlement certificate contains information needed to redeem license activation key(s) online or via fax. The electronic redemption process allows for easier license

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management and better service and support tracking. For more information, please visit: <http://www.hp.com/go/insightlicense>.

What's New

- Support for the latest HP ProLiant G6 servers, and new versions of Microsoft Windows Server 2008, Microsoft Hyper-V, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware ESX and Citrix XenServer
 - Insight Control now includes full x2x server migration functionality
 - HP Insight Control server migration is significantly enhanced to support migrations of Linux and 64-bit Windows guests
 - HP Insight Control virtual machine management now includes support for multiple instances of VMware vCenter Server in a datacenter, and supports "agent-less" management of virtual machines in VMware ESX, Microsoft Hyper-V & Citrix XenServer
 - Insight Control power management now allows customers to reduce workload when needed and respond to infrastructure power or cooling issues
 - Provides extensions that deliver enhanced ProLiant and BladeSystem management through Microsoft System Center and VMware vCenter Server consoles
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At A Glance

Insight Control includes several important functionalities, including:

- HP Systems Insight Manager
- Performance management
- Power management
- Remote management
- Server deployment
- Server migration
- Virtual machine management
- Extensions for Microsoft System Center
- Extensions for VMware vCenter Server™

With the purchase of Insight Control, including upgrades from Integrated Lights-Out Advanced or Insight Rapid Deployment software to Insight Control, 1 year of 24x7 Technical Support and Updates (TS&U) is included.

When ordering Insight Control, customers will receive a license entitlement certificate via physical shipment or email. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s).

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Models

HP Insight Control standalone	HP Insight Control, Electronic License, including 1 year of 24x7 Technical Support and Updates	T9074BAE
	HP Insight Control, Single-Server License including 1 year of 24x7 Technical Support and Updates	452148-B22
	HP Insight Control, Flexible-Quantity License including 1 year of 24x7 Technical Support and Updates	452149-B22
	HP Insight Control, Tracking License including 1 year of 24x7 Technical Support and Updates	452150-B21
	HP Insight Software Media Kit	436222-B21
<p>NOTE: Insight Software DVD media without licenses. Contains HP Systems Insight Manager, HP Insight Control, HP Insight Dynamics, HP Insight Control for Microsoft System Center, and Virtual Connect Enterprise Manager software. Uses an integrated installer to perform quick and accurate software installation and updates.</p> <p>NOTE: Licenses ship without media. The Insight Software Media Kit can be ordered separately, or can be downloaded at: http://www.hp.com/go/insightupdates.</p> <p>NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.</p> <p>NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single set of activation keys.</p> <p>NOTE: Tracking licenses may only be purchased by customers that have implemented an activation key agreement (AKA) with HP. For more information on Activation Key Agreements please visit: http://h18013.www1.hp.com/products/servers/proliantessentials/license/options.html</p>		
HP Insight Control bundled with ProLiant servers	HP ProLiant ML350 G6 E5530 Performance Model server with Insight Control license	576778-xx1
	<p>NOTE: Contains two 2.40-GHz Intel® Xeon® E5530 processors, 12 GB (6 x 2 GB) PC3-10600R (DDR3-1333) registered DIMMs, two 750-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.</p> <p>NOTE: Please see the server QuickSpecs for Technical Specifications and additional information: http://h18000.www1.hp.com/products/quickspecs/13241_div/13241_div.html (Worldwide)</p>	
	<p>HP ProLiant DL360 G6 X5550 Performance Model server with Insight Control license</p> <p>NOTE: Contains two 2.66-GHz Intel® Xeon® X5550 processors, 12 GB (6 x 2 GB) PC3-10600R (DDR3-1333) registered DIMMs, two 460-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.</p> <p>NOTE: Please see the server QuickSpecs for Technical Specifications and additional information: http://h18000.www1.hp.com/products/quickspecs/13235_div/13235_div.html (Worldwide)</p>	<p>US: 470065-074</p> <p>APJ: 470065-075</p> <p>EURO: 470065-073</p>
HP ProLiant DL370 G6 X5550 Performance Model server with Insight Control license	576411-xx1	
<p>NOTE: Contains two 2.66-GHz Intel® Xeon® X5550 processors, 12 GB (6 x 2 GB) PC3-10600R (DDR3-1333) registered DIMMs, two 750-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.</p>		



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NOTE: Please see the server QuickSpecs for Technical Specifications and additional information:

http://h18000.www1.hp.com/products/quickspecs/13242_div/13242_div.html
(Worldwide)

HP ProLiant DL380 G6 X5560 Performance Model server with Insight Control license US:470065-067
NOTE: Contains two 2.80-GHz Intel® Xeon® X5560 processors, 12 GB (6 x 2 GB) APJ:470065-071
PC3-10600R (DDR3-1333) registered DIMMs, two 750-W hot-plug redundant power EURO:470065-
supplies and a single-server Insight Control license with 1 year of 24x7 Technical 072
Support and Updates.

HP ProLiant DL380 G6 X5550 Performance Model server with Insight Control license APJ: 470065-
NOTE: Contains two 2.66-GHz Intel® Xeon® X5550 processors, 12 GB (6 x 2 GB) 068
PC3-10600R (DDR3-1333) registered DIMMs, two 750-W hot-plug redundant power EURO: 470065-
supplies and a single-server Insight Control license with 1 year of 24x7 Technical 069
Support and Updates.

NOTE: Please see the server QuickSpecs for Technical Specifications and additional information:

http://h18000.www1.hp.com/products/quickspecs/13234_div/13234_div.html
(Worldwide)

HP ProLiant DL385 G6 2435 Performance Model server with Insight Control license 575381-xx1
NOTE: Contains two 2.6-GHz AMD Opteron™ 2435 processors, 16 GB (4 x 4 GB)
PC2-6400 (DDR2-800) Advanced-ECC DIMMs, two 750-W hot-plug redundant
power supplies and a single-server Insight Control license with 1 year of 24x7
Technical Support and Updates.

NOTE: Please see the server QuickSpecs for Technical Specifications and additional information:

http://h18000.www1.hp.com/products/quickspecs/13360_div/13360_div.html
(Worldwide)

HP ProLiant DL585 G6 8439SE Performance Model server with Insight Control license 577143-xx1
license
NOTE: Contains four 2.8-GHz AMD Opteron™ 8439SE processors, 16 GB (8 x 2
GB) PC2-6400 (DDR2-800) Advanced-ECC DIMMs, two 910-W (low-line) / 1300-W
(high-line) hot-plug redundant power supplies and a single-server Insight Control
license with 1 year of 24x7 Technical Support and Updates.

NOTE: Please see the server QuickSpecs for Technical Specifications and additional information:

http://h18000.www1.hp.com/products/quickspecs/13373_div/13373_div.html
(Worldwide)

HP ProLiant DL785 G6 8439SE Performance Model server with Insight Control license AM438A
license

NOTE: Contains four 2.8-GHz AMD Opteron™ 8439SE processors, 64 GB PC2-
6400 (DDR2-800) Advanced-ECC DIMMs, six 1200-W hot-plug redundant power
supplies and a single-server Insight Control license with 1 year of 24x7 Technical
Support and Updates.

NOTE: Please see the server QuickSpecs for Technical Specifications and additional information:

http://h18000.www1.hp.com/products/quickspecs/13373_div/13373_div.html
(Worldwide)

NOTE: Licenses ship without media. The Insight Software Media Kit can be ordered
separately, or can be downloaded at: <http://www.hp.com/go/insightupdates>.

NOTE: Electronic software is available in all countries except China and Japan.

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Customers in China and Japan should order the physical equivalent.

NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single set of activation keys.

NOTE: Tracking licenses may only be purchased by customers that have implemented an activation key agreement (AKA) with HP. For more information on Activation Key Agreements please visit:

<http://h18013.www1.hp.com/products/servers/proliantessentials/license/options.html>

HP Insight Control licenses for bundling with HP ProLiant ML/DL servers

NOTE: The following Insight Control part numbers can only be used when ordered on the same order as a ProLiant ML or DL 300, 500 or 700 series server.

HP Insight Control, Electronic License for bundling with ProLiant ML/DL server, including 1 year of 24x7 Technical Support and Updates TC278AAE

HP Insight Control, Factory-Integration License Option for ProLiant ML/DL server, including 1 year of 24x7 Technical Support and Updates 582765-B21

HP Insight Control, Tracking License for bundling with ProLiant ML/DL server, including 1 year of 24x7 Technical Support and Updates TC275A

HP Insight Control bundled with BladeSystem enclosures

NOTE: Licenses bought with part numbers in this section can only be used for BladeSystem servers.

NOTE: Licenses ship without media. The Insight Software Media Kit can be ordered separately, or can be downloaded at: <http://www.hp.com/go/insightupdates>.

NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.

NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single set of activation keys.

NOTE: Tracking licenses may only be purchased by customers that have implemented an activation key agreement (AKA) with HP. For more information on Activation Key Agreements please visit:

<http://h18013.www1.hp.com/products/servers/proliantessentials/license/options.html>

BladeSystem c3000 enclosure rack models - Support up to 8 blades

HP BladeSystem c3000 Rack Enclosure with 8 Insight Control licenses 508664-B21

NOTE: Includes 4 AC Power Supplies, 6 Active Cool 100 Fans, DVD drive, Rail Kit, Onboard Administrator DDR2 module and 8 Insight Control licenses.

BladeSystem c3000 enclosure tower models - Support up to 8 blades

HP BladeSystem c3000 Tower Enclosure with 8 Insight Control licenses 458033-B21

NOTE: Includes 4 Power Supplies, 6 Fans, an Onboard Administrator module, a DVD drive and 8 Insight Control licenses with 1 year of 24x7 Technical Support and Updates.

HP BladeSystem c3000 Tower Enclosure with 8 Insight Control licenses 458032-B21

NOTE: Includes 4 Power Supplies, 6 Fans, an Onboard Administrator module, a DVD drive and 8 Insight Control licenses with 1 year of 24x7 Technical Support and Updates.

BladeSystem c3000 enclosure tower models - A "starter" enclosure that supports up to 4 blades

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HP BladeSystem c3000 Tower Enclosure	469500-B21
NOTE: Includes 2 Power Supplies, 4 Fans, an Onboard Administrator module, a DVD drive and 8 Insight Control Licenses with 1 year of 24x7 Technical Support and Updates.	
NOTE: Additional power supplies and fans can subsequently be added to support more than 4 blades.	
BladeSystem c7000 enclosure models - Supports up to 16 blades	
HP BladeSystem c7000 Enclosure with 16 Insight Control licenses	507015-B21
NOTE: Single-Phase with 2 Power Supplies, 4 Fans with 16 Insight Control licenses, including 1 year of 24x7 Technical Support and Updates.	
HP BladeSystem c7000 Enclosure with 16 Insight Control licenses	507017-B21
NOTE: Three-Phase North America/Japan with 6 Power Supplies, 10 Fans with 16 Insight Control licenses, including 1 year of 24x7 Technical Support and Updates.	
HP BladeSystem c7000 Enclosure with 16 Insight Control licenses	507016-B21
NOTE: Three-Phase International with 6 Power Supplies, 10 Fans with 16 Insight Control licenses, including 1 year of 24x7 Technical Support and Updates.	
HP Insight Control licenses for bundling with BladeSystem enclosures	
NOTE: The following Insight Control part numbers can only be used when ordered on the same order as a BladeSystem c3000 or c7000 enclosure.	
HP Insight Control, 8-Server Electronic License for bundling with BladeSystem enclosure, including 1 year of 24x7 Technical Support and Updates	TC276AAE
HP Insight Control, 16-Server Electronic License for bundling with BladeSystem enclosure, including 1 year of 24x7 Technical Support and Updates	TC277AAE
HP Insight Control, 8-Server Factory-Integration License Option for BladeSystem enclosure, including 1 year of 24x7 Technical Support and Updates	439034-B23
HP Insight Control, 16-Server Factory-Integration License Option for BladeSystem enclosure, including 1 year of 24x7 Technical Support and Updates	417688-B23
HP Insight Control, 8-Server Tracking License for bundling with BladeSystem enclosure, including 1 year of 24x7 Technical Support and Updates	TC273A
HP Insight Control, 16-Server Tracking License for bundling with BladeSystem enclosure, including 1 year of 24x7 Technical Support and Updates	TC274A

Overview

HP Insight Control remote management (Integrated Lights-Out Advanced) standalone

NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.
NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.
NOTE: Tracking licenses may only be purchased by customers that have implemented an activation key agreement (AKA) with HP. For more information on Activation Key Agreements please visit:
<http://h18013.www1.hp.com/products/servers/proliantessentials/license/options.html>

HP Integrated Lights-Out Advanced, Electronic License, including 1 year of 24x7 Technical Support and Updates	TA850AAE
HP Integrated Lights-Out Advanced, Single-Server License, including 1 year of 24x7 Technical Support and Updates	512485-B21
HP Integrated Lights-Out Advanced, Flexible-Quantity License, including 1 year of 24x7 Technical Support and Updates	512486-B21
HP Integrated Lights-Out Advanced, Tracking License, including 1 year of 24x7 Technical Support and Updates	512487-B21
HP Integrated Lights-Out for BladeSystem	
NOTE: Integrated Lights-out Advanced for BladeSystem licenses may only be used for HP BladeSystem servers.	
HP Integrated Lights-Out Advanced for BladeSystem, Electronic License, including 1 year of 24x7 Technical Support and Updates	TA851AAE
HP Integrated Lights-Out Advanced for BladeSystem, Single-Server License, including 1 year of 24x7 Technical Support and Updates	512488-B21
HP Integrated Lights-Out Advanced for BladeSystem, Flexible-Quantity License, including 1 year of 24x7 Technical Support and Updates	512490-B21
HP Integrated Lights-Out Advanced for BladeSystem, Tracking License, including 1 year of 24x7 Technical Support and Updates	512491-B21

HP Insight Control remote management (Integrated Lights-Out Advanced) upgrade to Insight Control

NOTE: For use in environments where iLO Advanced is already licensed.
NOTE: Licenses ship without media. The Insight Software Media Kit can be ordered separately, or can be downloaded at: <http://www.hp.com/go/insightupdates>.
NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.
NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single set of activation keys.

HP Insight Control remote management (Integrated Lights-Out Advanced) Upgrade to Insight Control, Electronic License including one year of 24x7 Technical Support & Updates	T9404AAE
HP Insight Control remote management (Integrated Lights-Out Advanced) upgrade to Insight Control, Flexible-Quantity License including one year of 24x7 Technical Support & Update	464063-B21

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HP Insight Control server deployment standalone	NOTE: Licenses ship without media. The Insight Software Media Kit can be ordered separately, or can be downloaded at: http://www.hp.com/go/insightupdates .
	NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.
	NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.
	NOTE: Tracking licenses may only be purchased by customers that have implemented an activation key agreement (AKA) with HP. For more information on Activation Key Agreements please visit: http://h18013.www1.hp.com/products/servers/proliantessentials/license/options.html
	HP Insight Control server deployment, Electronic License including 1 year of 24x7 Technical Support and Updates
HP Insight Control server deployment, Single-Server License including 1 year of 24x7 Technical Support and Updates	452151-B21
HP Insight Control server deployment, Flexible-Quantity License, including 1 year of 24x7 Technical Support and Updates	452152-B21
HP Insight Control server deployment, Tracking License including 1 year of 24x7 Technical Support and Updates	452165-B21

HP Insight Control server deployment upgrade to Insight Control	NOTE: For use in environments where RDP is already installed and licensed.
	NOTE: Licenses ship without media. The Insight Software Media Kit can be ordered separately, or can be downloaded at: http://www.hp.com/go/insightupdates .
	NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.
NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single set of activation keys.	
HP Insight Control server deployment upgrade to Insight Control, Electronic License including 1 year of 24x7 Technical Support and Updates	T9101ABE
HP Insight Control server deployment upgrade to Insight Control, Flexible-Quantity License including 1 year of 24x7 Technical Support and Updates	436753-B23

Standard Features

Single media and simplified licensing

Delivered on Insight Software DVD #1 for simplified installation and licensing. HP Insight Control contains HP SIM and key essential management software that help you get more of every hour, watt and dollar invested in your HP ProLiant infrastructure.

Integrated installer

The Insight Software DVD integrated installer provides a streamlined, automated process to deploy and configure HP SIM and essential management software more consistently and rapidly, with less manual intervention.

The integrated installer includes a wizard-based interface that presents a series of configuration questions. The HP Insight Software Advisor also checks to ensure that the host central management server meets all installation pre-requisites prior to initiating the installation process. Once the installation has completed, use the Insight Software Update Utility to check for available software updates.

Unified infrastructure management

HP Insight Control, based on HP Systems Insight Manager (HP SIM), provides a unified, secure and extensible platform to centrally manage servers, storage and other infrastructure devices across heterogeneous operating system environments.

HP SIM provides foundational management services that include device discovery and identification, event views, health monitoring, inventory data collection, software version control and reporting. HP SIM is built on industry standards and is extensible with value-added essential management software as well as custom application and scripts to meet individual management needs.

Insight Control remote management

HP Insight Control remote management, featuring iLO Advanced, provides comprehensive lights-out remote management capabilities for ProLiant servers, including high-performance virtual KVM for routine and emergency remote administration, remote access to server power control and event logs, virtual media for simple deployment and update of remote servers, and single server power measurement and regulation.

HP Insight Control helps distributed IT teams effectively collaborate to solve complex IT problems. The shared console capability allows up to four team members to view and share control of a single virtual KVM session. In addition "console replay" captures and saves screen video to enable review of failure sequences and easily document complex configuration administrative tasks.

Key remote management features:

- Provides embedded hardware Graphical Remote Console capabilities that can turn a supported browser into a virtual desktop, giving the user full control over the display, keyboard, and mouse of the host server. The operating system-independent console supports graphic modes that display remote host server activities, such as shutdown and startup operations. It works with a standard browser and no additional software is required on the remote server or client system.
- The USB-based Virtual Media feature allows an IT administrator to boot the remote server using a standard 1.44-MB diskette on the client machine, a DVD/CD drive or USB flash drive on the client machine, or the image of a floppy diskette or DVD/CD from anywhere on the client's network. After the remote server has booted a USB-capable operating system (e.g., Windows® 2000, Windows 2003, or Red Hat Linux 7.2), the virtual device or ISO 9660 image is available as if it were a local USB device. The Virtual Media features save time and increase efficiency by eliminating the need to visit the remote server just to insert and use a diskette or DVD/CD. This feature allows administrators to carry out any of the following functions remotely from an applet

Standard Features

- user interface, command line or script.
- Integrates with enterprise-class directory services to provide secure, scalable, and cost effective user management. Directory services, such as Microsoft Active Directory and Novell eDirectory, can be used to authorize directory users with assigned user roles to Integrated Lights-Out processors. With Active Directory, customers have the flexibility to integrate with or without a schema extension. An easy and reliable installation program is available to install a management console snap-in and extend customer's existing directory schema to enable directory support for the HP lights-out management products. A directory migration tool is available to automate setup for both methods of integration. Also supports the Active Directory nested groups feature.
- Provides advanced user authentication with two-factor authentication using digital certificates embedded on smartcards or USB flash drives. Using this form of strong authentication, iLO access can be restricted only to IT individuals possessing a certificate bearing smartcard or flash drive and a PIN.
- Integrates with Microsoft Terminal Services to provide a high-performance graphical remote console by automatically or manually switching to Microsoft Terminal Services when the operating system is fully loaded and available on the host system. When the operating system is not operational, continues to provide its secure, hardware-based Lights-Out console for end-to-end remote access to the host server. In addition, the Microsoft Terminal Services session is routed through the management network interface to improve production network security.
- Provides enhanced initial HP BladeSystem configuration and setup using the familiar Lights-Out interface. An embedded wizard guides users through initial Lights-Out, blade server and operating system configuration and installation including integrated activation of Virtual Media using the appropriate media such as SmartStart and OS DVDs or ISO 9660 images. In addition, Insight Control remote management automatically renders an HP BladeSystem rack image for easy point and click navigation between blades and enclosures within a single rack.

Insight Control power management

HP Insight Control power management is an integrated power monitoring and management application that provides centralized monitoring and control of datacenter power consumption and thermal output. This software solution provides new energy instrumentation levers into HP Systems Insight Manager for greater Unified Infrastructure Management, and is compatible with any operating system residing on the managed server. IPM provides efficient and effective tools needed to increase the capacity of your datacenter by reducing power and cooling requirements of ProLiant servers to an amount that accurately reflects the workload of your server. Built upon ProLiant Power Regulator technology it provides performance when you need it, and cost savings when you don't.

Key power management features:

- Provides a central location where power and thermal data for tens, hundreds, or thousands of servers may be viewed and managed.
 - Limiting the server(s) power consumption to an average level, power capping can be set to minimize overall power consumption and heat output.
 - Dynamic Power Capping in represents a significant advancement in power management. Unlike previous power capping technologies Dynamic Power Capping will safely limit power usage with no performance degradation and without risk to electrical infrastructure. For single rack servers, power caps applied via the iLO management processor will limit power usage to a specific Watt or BTU/hr level. For enclosures of blades, users will set an enclosure level power cap, and the Onboard Administrator will dynamically adjust individual server power caps based on their specific power requirements. By capping power usage at historical peak power usage instead of significantly higher face-plate, ROM burn, or power calculator default values, IT organizations can fit up to 36% more servers in their existing rack infrastructure.
- For servers that support Dynamic Power Capping, see the Insight Control Support Matrix at

Standard Features

<http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c00845898/c00845898.pdf>

- Each graph has an Analysis dashboard that summarizes key information for the selected server(s). The data displayed varies for each graph and includes total power consumed in kWh, the estimated costs of powering and cooling the selected server(s) and the estimated costs saved through the use of policy-management based on HP's Power Regulator technology.
- Insight Control power management supports taking action on the selected server(s). Insight Control can change the HP Power Regulator settings on a single server or on multiple servers all at once. These actions may be executed immediately or scheduled to occur at a future time or on a recurring basis. Action scheduling can be used to set time-based power policies on single servers as well as collections of servers.

NOTE: The Insight Control power management capability will not function for HP ProLiant DL785 G5 servers.

Insight Control performance management

HP Insight Control detects, analyzes, and explains hardware bottlenecks on HP servers (HP Insight Control does not require Integrity servers to be licensed in order to provide the performance management functionality for Integrity servers). HP Insight Control provides the tools you need to receive proactive notification of building bottleneck conditions, and debug existing performance issues. The performance information is analyzed to determine if there is a building or existing performance bottleneck issue. You can interactively display this information, log the information to a database for later analysis or reporting, and set up proactive notification using the HP Systems Insight Manager notification mechanism.

Key performance management features:

- Monitors the hardware performance continuously, compares it with known performances capabilities of each component and determines, in real time, what components are experiencing performance issues.
- Creates events when the performance state of a server changes. Insight Control detects these changes early, displaying a warning before an actual bottleneck happens.
- Provides an interactive, online debugging tool that can be used in real time to understand and correct performance issues. The tool provides precise indications of what the issue is, why it is of concern, and what can be done about it. Features such as real-time performance graphing allow system administrators to decide whether an issue needs to be addressed immediately or corrective actions can wait.
- Can be configured to log server performance data. This data can later be extracted and replayed in offline analysis just as if the user was sitting in front of the server when the performance issue happened. When used in conjunction with the dynamic performance graphing and altering features, administrators can determine if an off-hours performance issue needs to be addressed immediately or corrective steps can be put off until normal business hours.
- Analyzes the configuration of server components and determines if the server configuration contains potentially problematic configurations. Potential issues such as PCI bus imbalance, SCSI drives operating at reduced speed, and inactive network ports are detected and reported.
- Supplies a summary report that shows the percentage of time the server was in a bottleneck state or near-bottleneck state and overall performance utilization for a system broken down by its subsystems combined with a complete inventory report of that server.
- Supports performance monitoring and analyses of select MSA shared storage devices. This functionality provides full drill-down capabilities from a server to attached shared storage devices, and from there "drill-up" to the attached servers.

Standard Features

Insight Control server deployment

HP Insight Control is a complete deployment solution for HP servers. Insight Control automates the process of deploying and provisioning server software, enabling companies to quickly and easily adapt to changing business demands. Insight Control server deployment includes the ProLiant Integration Module (PIM) and Integrity Integration Module (IIM) which consist of software optimizations for HP servers, including the HP scripting toolkits, configuration jobs for industry-standard leading operating systems, sample unattended files, and HP server support packs that include software drivers, management agents, and important documentation. Deploying servers can be accomplished either through imaging or through scripting. Insight Control supports deploying Windows, Linux, VMware ESX and Microsoft Hyper-V systems.

Key server deployment features:

- Provides a fast, easy, drag-and-drop solution for deploying standard server configurations and software builds in an automated fashion from a remote console
- Simplifies automated server deployment allowing companies to rapidly respond to changing workloads
- Improves overall consistency of configurations across multiple servers
- Establishes virtual presence and control for server deployments and redeployments within the data center or at remote locations, eliminating the need for IT personnel to be physically present
- Reduces IT resource requirements during large-scale deployments
- Provides scripts developed, tested, and supported by HP to enable rapid deployment of HP servers
- The ProLiant Integration Module provides latest versions of the SmartStart Scripting Toolkit, HP optimized drivers and management agents pre-loaded in the deployment console
- HP supplied deployment events and scripts, using SmartStart technology, maximize productivity with instant out-of-the-box functionality - automating the process of server configuration and software deployment - driving world-class levels of IT efficiency and decreasing the Total Cost of Ownership
- Operating System integration is a snap with HP supplied configuration events for both Microsoft Windows and Linux further simplifying the initial OS deployment and driver integration steps all in an automated fashion
- Supports SAN Boot or SAN Attach deployment on ProLiant BL servers and select ProLiant DL servers.

HP BladeSystem deployment optimizations:

- Enables rapid serviceability with Rip-and-Replace features. Pre-failure alerts enable proactive replacement of blade servers for service. New blades automatically assume personality of previous server based on location in enclosure and rack.
- Blade servers are easy to identify by physical location in racks - blades are displayed with easy to understand icons of rack, enclosure, bay
- With Virtual Rack, Enclosure, Bay features, users can now assign an event to be executed the first time a blade is inserted into the bay. The user will have the ability to create a virtual enclosure and its associated virtual bays via a console interface and the ability to associate a single event with the bays of the enclosure when they are created.

Standard Features

Insight Control server migration

HP Insight Control makes it easy to upgrade or replace your existing server, or to implement virtualization. HP Insight Control enables you to replicate your well-functioning, but under-performing or over-provisioned server to a new physical or virtual server in an automated, accurate and affordable way.

Key server migration features:

- Perform Physical-to-ProLiant (P2P), Virtual-to-ProLiant (V2P), Physical-to-Virtual (P2V), or Virtual-to-Virtual (V2V) migrations from a single integrated user interface
- Supports Migrations from any x86 server regardless of vendor to the latest HP ProLiant or BladeSystem server technologies
 - Source can be any x86 server with a supported OS or a supported VM-type
 - Destination can be a supported HP ProLiant or BladeSystem server or a supported virtual machine
- Heterogeneous virtualization platform support: Ability to migrate between virtualization platforms; VMware ESX, Microsoft Hyper-V and Citrix XenServer
- Automates the migration of the OS, application and data from an existing physical server or virtual machine to a new ProLiant server or virtual machine. Manual steps required to do the migration are eliminated. Automatically install the latest PSP when migrating to a ProLiant server (P2ProLiant or V2ProLiant).
- The extremely intuitive user interface enables migration to be kicked off with no prior training required.
- The source server is always available just the way it was running before the migration since no additional drivers are installed on the source server. No modification to the source server ensures a consistent image between source and destination.
- Having no source device driver dependency enables the migration of any x86 source server running a supported operating system.
- Match availability of drive space on the destination server by excluding drives and partitions and/or resizing NTFS partitions during the migration. The size of the NTFS partitions may be increased or decreased.
- Tried and tested with the correct destination device drivers for all supported destination servers.
NOTE: Before migrating, check and make sure all licenses may be legally transferred to the destination server.
- Support for migrations in a SAN environment when migrating to HP BladeSystem c-Class, including migrating servers from direct attach storage to boot from SAN.

Standard Features

Insight Control virtual machine management

The HP Insight Control significantly extends HP Systems Insight Manager (HP SIM) capabilities to manage virtual machines. HP Insight Control seamlessly merges hardware and heterogeneous virtualization management of VMware ESX, Microsoft Hyper-V, Citrix XenServer, and Xen (on RHEL & SLES environments) virtual machines

Insight Control enables you to get the most out of a unified physical and virtual server infrastructure. Insight Control offers the only-out-of-the-box solution that can receive a predictive failure alert and automatically evacuate all VMs from a VMware ESX host server by initiating VMware DRS.

Key virtual machine management features:

- Provides associations between virtual machines and physical host and integration into a single console and enables all tasks to be run from the Insight Control console, leveraging existing discovery, identification and notification processes.
- Provides control functions for virtual machines in VMware ESX, Microsoft Hyper-V, Citrix XenServer and Xen on RHEL & SLES from a central console that allows users to manage virtual machines in a consistent manner irrespective of virtualization layer.
- Provides start, stop, pause, reset, move, copy, backup, create template and restore functions for VMs remotely from the Insight Control console.
- Flexible move capabilities allow multiple usage scenarios. In high-availability situations that do not allow service interruptions, Live Move (initiate VMware vMotion technology from Insight Control - requires VMware vCenter) can be used (for VMware ESX hosts only). Where flexibility is required to execute fast moves between dissimilar host hardware, SAN-based fast move can be enabled (VMware ESX hosts only).
In high-availability situations, quick move capabilities can be used for HP integrated Citrix XenServer 5.0 or above (resource pool environment only) and Microsoft Hyper-V (MSCS clusters only).
Where the VM Host is not connected to a SAN, a file-copy move can be used.
- Enable Failed Host Recovery situations by assigning alternate hosts to VMs. If host fails, quickly restart VM on new host.
- Make informed decisions on workload optimization with "at a glance" single view of virtual machine and associated host server performance. Set usage thresholds for CPU, memory, and disk usage and proactively receive alerts in SIM when thresholds are exceeded and take corrective action.
- Automatically respond to predictive hardware failures on VMware ESX host servers by relocating VMs before a server fails, reducing downtime.
- Launch VMware vCenter or Microsoft System Centre Virtual Machine Manager from Insight Control to perform tasks as needed. View VMware ESX host cluster and resource pool properties from VMware vCenter in the Insight Control console.
- Collect events from VMware ESX and VMware vCenter to use HP Insight Control as your central event consolidation and alerting tool.
- Enables the safe and orderly shutdown of VMware ESX hosts when the VMware's DPM has freed up a VMware ESX host to shut down for power saving purposes. Insight Control communicates with VMware vCenter (and DPM) and will prevent HP SIM from setting the host status to "critical".

Standard Features

Extensions for Microsoft System Center

Insight Control for Microsoft System Center delivers comprehensive system health, configuration management and remote control, as well as flexible deployment in one easy to install package. Insight Control for Microsoft System Center provides seamless integration of the unique ProLiant and BladeSystem manageability features into the System Center consoles.

Key Insight Control for Microsoft System Center features:

- Operating System Deployment (OSD) module tightly integrates with System Center Configuration Manager to automatically deploy bare metal servers. This includes support for pre-deployment hardware and BIOS configuration, and post-OS driver and agent installation.
- The ProLiant and BladeSystem Management Packs integrate with System Center Operations Manager to expose the native capabilities of ProLiant and Blade System servers and enclosures. This provides greater visibility of ProLiant and BladeSystems using Operations Manager Diagram, System, State, and Alert Views, enabling quick root cause analysis with graphical characterization down to the server and blade subsystem level and c-Class blade enclosures to the component level.
- The ProLiant Hardware inventory tool uses native System Center Software Distribution to provide detailed component level inventory of every managed server.
- The ProLiant Server Update Catalog uses System Center Configuration Manager to install and update ProLiant drivers and firmware using a rules based model.
- The HP PRO (Performance and Resource Optimization) module works in conjunction with System Center Operations Manager and System Center Virtual Machine Manager to proactively guide and automate movement of virtual machines based upon host hardware alerts.

NOTE: Microsoft System Center is not included with Insight Control for Microsoft System Center and must be purchased separately.

Extensions for VMware vCenter Server

HP Insight Control for VMware vCenter Server delivers powerful HP hardware management capabilities to virtualization administrators, enabling comprehensive monitoring, remote control and power optimization directly from the vCenter console. In addition, Insight Control delivers robust deployment capabilities and is a key integration point for the broader portfolio of infrastructure management, service automation and IT operations solutions available from HP.

From the VMware vCenter console, HP Insight Control enables you to:

- Take care of issues before they become problems: Receive pre-failure alerts when key hardware components and subsystems reach pre-defined thresholds. With this insight, you can proactively address potential hardware failures before they impact virtual machine performance.
- Remotely control your infrastructure: Remotely manage and troubleshoot HP ProLiant and BladeSystem servers using HP Integrated Lights Out Advanced capabilities directly from the vCenter console.
- Optimize power utilization: Get the most out of your existing power envelope by comprehending and proactively managing power for hosts and pools of virtual machines across hosts

Insight Control for VMware vCenter Server is an integral component of the HP infrastructure management portfolio, which enables you to provision, modify and recover complex infrastructure - both virtual and physical - in minutes.

NOTE: VMware vCenter Server is not included with Insight Control for VMware vCenter Server and must be purchased separately.

Supported Product

Hardware Support

HP server hardware platforms

HP Insight Control supports management of all HP ProLiant ML/DL 300, 500 and 700 series servers and BladeSystem infrastructure.

There may be minor discrepancies in hardware support between different software components, so customers are encouraged to consult the detailed Insight Software Support Matrix specifics on platform support.

To enable the power management capabilities of HP Insight Control, target servers must have an embedded power meter. For a list of systems that support power management, please consult the Insight Software Support Matrix at:

<http://bizsupport.austin.hp.com/bc/docs/support/SupportManual/c00700722/c00700722.pdf>

Central Management Server support and requirements

Hardware

Server	HP ProLiant ML/DL 300, 500 or 700 series server or HP ProLiant c-Class blade server
Memory	At least 2 GB RAM (4 GB RAM recommended)
Processor	At least 1.6 GHz (2 GHz or higher recommended)
Disk space	At least 5 GB for the Insight Control software. More disk space is required for operating system files, and logs
File structure	New Technology File System (NTFS)
DVD drive	Local or mapped DVD drive

Software

Supported operating systems	Microsoft Windows Server® 2008, Standard or Enterprise Edition 32-bit or 64-bit Microsoft Windows Server® 2008 R2, Standard or Enterprise Edition 32-bit or 64-bit Microsoft Windows Server 2003, Standard or Enterprise Edition SP2 (32-bit only) Microsoft Windows Server 2003 R2, Standard or Enterprise Edition SP2 (32-bit only)
Supported virtualization installation platform for CMS	VMware ESX 3.0.3, 3.5 Update 1 or later, or 4.0
Required services	.Net Framework 1.1 .Net Framework 2.0 .Net Framework 3.0 .Net Framework 3.5 SNMP TCP/IP with DNS installed so that system names resolve to an IP addresses. It is necessary that IP addresses resolve to system names. Windows Automated Installation Kit (WAIK) 2.1
Supported database platforms	Microsoft SQL Server 2008 Microsoft SQL Server 2005 SP3 Microsoft SQL Server 2008 Express Edition* (not provided) Microsoft SQL Server 2005 Express Edition SP3* (provided)

Client-side software requirements

Supported Internet browsers	Microsoft Internet Explorer 7 or 8 Mozilla Firefox 3.0 or 3.5 (not supported by all components)
Other required client software	Adobe Acrobat Reader Adobe Flash 9 or 10

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

NOTE: For Insight Control for Microsoft System Center there are additional hardware and software requirements to run the Microsoft management applications. Please refer to the appropriate Microsoft product document for these requirements.



Supported Product

NOTE: For Insight Control for VMware vCenter Server there are additional hardware and software requirements to run the VMware management applications. Please refer to the appropriate VMware product document for these requirements.

Service and Support, HP Care Pack, and Warranty Information

Warranty HP will replace defective delivery media replacement for a period of 90 days following the date of purchase.

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

Software Technical Support and Update Service

Insight Control includes 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 Control and essential infrastructure management software customers will benefit from expedited problem resolution as well as proactive notification and delivery of software updates. For more information about this service, see: <http://www.hp.com/services/insight>.

After HP processes your support registration, you will receive a Service Agreement Identifier (SAID). In order to receive the software updates that you are entitled to, you must use your SAID and access the Software Update Manager (SUM) at the HP IT Resource Center (ITRC) home page: <http://www.itrc.hp.com>

Join the Discussion

The HP Support Forum is a community-based, user-supported tool for HP customers to participate in discussions amongst the customer community about HP products. For discussions related to Insight Control and ProLiant Essentials software, see the "Management Software and System Tools" area.

Software and Drivers Download Pages

Provides latest software and drivers for your ProLiant products.

Management Security

HP is proactive in its approach to the quality and security of all its management software. Be sure to check 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 web site. If you wish to receive physical kits with each release, you can order single release kits from the SmartStart web site. To receive proactive notification when SmartStart releases are available, subscribe to Subscriber's Choice at: <http://www.hp.com/go/subscriberschoice>.

For support questions in the U.S. that are not covered in any of the above services, please call 1-800-HP-INVENT (1-800-474-6836). (When prompted, say "Insight Manager.") HP Worldwide numbers for HP SIM, Insight Control Environment, and essential infrastructure management software are available at: <http://www.hp.com/country/us/en/wwcontact.html>.

Service and Support, HP Care Pack, and Warranty Information

Education Services

Training from HP Education Services ensures that you get the most out of your investment in Insight Control. The training curriculum provides a broad range of instructor-led and online courses, designed to build both core and advanced skills in server implementation and management.

Education services can be purchased in two ways:

- **HP Care Pack Total Education:** This pack provides "credits" that can be used for any of more than 200 different instructor-led courses offered at HP education centers. Credits can also be used for any of more than 3,000 online courses offered through the HP IT Resource Center.
- **Technology-specific HP Care Pack:** These services are designed to meet particular training needs specific to a certain technology or level of training.

For more information: <http://www.hp.com/education/>

Related Options

<p>HP Insight Control for Linux</p>	<p>HP Insight Control for Linux licenses for standalone sale</p> <p>HP Insight Control for Linux, 1-server license, including one year of 24x7 Technical Support and Updates, Electronic T9084BAE</p> <p>HP Insight Control for Linux, No Media, 1-Server license, including one year of 24x7 Technical Support and Updates 464423-B22</p> <p>HP Insight Control for Linux, No Media, Flexible-Quantity-Server license, including one year of 24x7 Technical Support and Updates 464425-B22</p> <p>HP Insight Control for Linux, No Media, Tracking License including 1 year of 24x7 Technical Support and Updates 535528-B21</p> <p>HP Insight Control for Linux, Media pack (DVD) - No licenses included 464422-B22</p> <p>NOTE: Media pack DVD contains the ISO image for HP Insight Control for Linux, HP Systems Insight Manager, HP Insight Control power management, HP Insight Control virtual machine management, and an integrated installer. Servers must be acquired separately.</p> <p>NOTE: Licenses ship without media. The Media Kit for Insight Control for Linux can be ordered separately, or can be downloaded at: http://www.hp.com/go/ic-linux (click on Download button).</p> <p>NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.</p> <p>NOTE: Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single set of activation keys.</p> <p>NOTE: Tracking licenses may only be purchased by customers that have implemented an activation key agreement (AKA) with HP. For more information on Activation Key Agreements please visit: http://h18013.www1.hp.com/products/servers/proliantessentials/license/options.html</p> <p>HP Insight Control for Linux licenses for bundling with BladeSystem enclosures</p> <p>NOTE: The following Insight Control for Linux part numbers can only be used when ordered on the same order as a BladeSystem c3000 or c7000 enclosure.</p> <p>NOTE: These part numbers can be used to purchase multiple licenses with a single activation key.</p> <p>HP Insight Control for Linux, 8-Server license, including one year of 24x7 Technical Support and Updates, Factory Integration License Option (FIO) 464429-B22</p> <p>HP Insight Control for Linux, 16-Server license, including one year of 24x7 Technical Support and Updates, Factory Integration License Option (FIO) 464432-B22</p> <p>Linux-managed Reference Platforms (Linux OS + Linux Management + HP Support)</p> <p>NOTE: one entitlement.</p> <p>Red Hat Enterprise Linux Advanced Platform (RHEL AP) & HP Insight Control for -Linux, 24x7 Support, 1-year TC206A</p> <p>Red Hat Enterprise Linux Advanced Platform (RHEL AP) & HP Insight Control for -Linux, 24x7 Support, 3-years TC207A</p> <p>Red Hat Enterprise Linux Advanced Platform (RHEL AP) & HP Insight Control for -Linux, 9x5 Support, 1-year TC279A</p> <p>Red Hat Enterprise Linux Advanced Platform (RHEL AP) & HP Insight Control for -Linux, 9x5 Support, 3-years TC280A</p>
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Related Options

HP Insight Dynamics for ProLiant	HP Insight Dynamics with Insight Control for HP BladeSystem	
	HP Insight Dynamics with Insight Control for BladeSystem, 8-server license including 1 year of 24x7 Technical Support and Updates, Factory Integrated Option (FIO)	483521-B21
	HP Insight Dynamics with Insight Control for BladeSystem 16-server license including 1 year of 24x7 Technical Support and Updates, Factory Integrated Option (FIO)	483454-B21
	HP Insight Dynamics with Insight Control - for HP ProLiant servers	
	HP Insight Dynamics with Insight Control, Electronic License including 1 year of 24x7 Technical Support and Updates	T9710AAE
	HP Insight Dynamics with Insight Control 1-server license including 1 year of 24x7 Technical Support and Updates	483527-B21
	HP Insight Dynamics with Insight Control, Flexible-Quantity License including 1 year of 24x7 Technical Support and Updates	483525-B21
	HP Insight Dynamics with Insight Control, Tracking License including 1 year of 24x7 Technical Support and Updates	483528-B21
	HP Insight Dynamics without Insight Control (upgrade for existing Insight Control customers)	
	HP Insight Dynamics without Insight Control, Electronic License including 1 year of 24x7 Technical Support and Updates	T9713AAE
	HP Insight Dynamics without Insight Control, 1-server license including 1 year of 24x7 Technical Support and Updates	483531-B21
	HP Insight Dynamics without Insight Control, Flexible-Quantity License including 1 year of 24x7 Technical Support and Updates	483540-B21
	HP Insight Dynamics without Insight Control, Tracking License including 1 year of 24x7 Technical Support and Updates	483543-B21

NOTE: HP Insight Dynamics supports the HP ProLiant ML, DL 300, 500 and 700 series servers and HP ProLiant c-Class blade servers, see the Technical Specifications section for more detail.

NOTE: Electronic software is available in all countries except China and Japan. Customers in China and Japan should order the physical equivalent.

NOTE: For each purchased license, a license entitlement certificate will be delivered. The license entitlement certificate contains information needed to register and redeem license activation key(s) online or via fax. For more information, please visit: <http://www.hp.com/go/insightlicense>.

Related Options

VMware vSphere bundles with Insight Control	HP VMware vSphere 4.0 Essential Plus Bundle + Insight Control	573213-B21
	HP VMware vSphere 4.0 Standard 1P Bundle + Insight Control	571775-B21
	NOTE: Supports max 6 cores/CPU.	
	HP VMware vSphere 4.0 Standard 1P + DR Bundle + HP Insight Control	573211-B21
	NOTE: Supports max 6 cores/CPU.	
	HP VMware vSphere 4.0 Advanced 1P Bundle + Insight Control	571776-B21
	NOTE: Supports max 12 cores/CPU.	
HP VMware vSphere 4.0 Enterprise 1P Bundle + Insight Control	573212-B21	
NOTE: Supports max 6 cores/CPU.		
HP VMware vSphere 4.0 Enterprise Plus 1P Bundle + Insight Control	571777-B21	
NOTE: Supports max 12 cores/CPU.		
NOTE: All VMware vSphere products from HP include a 1yr, 9x5 unlimited technical software support and updates, and are licensed for 1 processor, unless otherwise noted.		
NOTE: Insight Control is licensed per server. Insight Control licenses include one year of 24 x 7 technical support.		
NOTE: For more information on VMware Sphere products sold by HP see the VMware Virtualization QuickSpecs at:		
http://h18004.www1.hp.com/products/quickspecs/12307_div/12307_div.html .		

Service and Support Offerings (HP Care Pack Services)

NOTE: The 3-year 24x7 Unlimited Software Support products upgrade the included 1 year 24x7 Unlimited Software Support and Updates to three year.	
NOTE: The 4-year 24x7 Unlimited Software Support products upgrade the included 1 year 24x7 Unlimited Software Support and Updates to four year.	
NOTE: The 5-year 24x7 Unlimited Software Support products upgrade the included 1 year 24x7 Unlimited Software Support and Updates to five year.	
HP Insight Control for BladeSystem - 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF522E
HP Insight Control - 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF526E
HP Insight Control, 4 years, 24x7 Unlimited Software Support includes technical support and Software updates	UJ126E
HP Insight Control - 5 years, 24x7 Unlimited Software Support includes technical support and Software updates	UJ127E
HP Insight Control 8 servers - 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF532E
HP Insight Control 8 servers - 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ226E
HP Insight Control 8 servers - 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ227E
HP Insight Control 16 servers - 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF536E
HP Insight Control 16 servers -4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ232E
HP Insight Control 16 servers -5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ233E
HP Insight Control , No Media 10 servers - 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF537E

Related Options

HP Insight Control c3000 Rack with 8 licenses - 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF540E
HP Insight Control c3000 Rack with 8 licenses - 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ246E
HP Insight Control c3000 Rack with 8 licenses - 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ247E
HP Insight Control c3000 Rack with 8 licenses - 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UH322E
HP Insight Control c3000 Rack with 8 licenses - 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ242E
HP Insight Control c3000 Rack with 8 licenses - 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ243E
HP Insight Control ProLiant DL 360 x5550 High Performance Model 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM818E
HP Insight Control ProLiant DL 360 x5550 High Performance Model 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM819E
HP Insight Control ProLiant DL 360 x5550 5 year High Performance Model, 24x7 Unlimited Software Support includes technical support and Software updates	UM820E
HP Insight Control ProLiant DL 380 x5560 High Performance Model 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM812E
HP Insight Control ProLiant DL 380 x5560 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM814E
HP Insight Control ProLiant DL 380 x5560 High Performance Model 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM816E
HP Insight Control ProLiant DL 385 x2435 High Performance Model 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM812E
HP Insight Control ProLiant DL 385 x2435 High Performance Model 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM814E
HP Insight Control HP Insight Control ProLiant DL 385 x2435 High Performance Model 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UM816E
HP Insight Control ProLiant DL 370 High Performance Model 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR310E
HP Insight Control ProLiant DL 370 High Performance Model 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR311E
HP Insight Control ProLiant DL 370 High Performance Model 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR312E
HP Insight Control ProLiant DL 585 High Performance Model 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR313E
HP Insight Control ProLiant DL 585 High Performance Model 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR314E
HP Insight Control ProLiant DL 585 High Performance Model 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR315E
HP Insight Control ProLiant DL 350 High Performance Model 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR307E
HP Insight Control ProLiant DL 350 High Performance Model 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR308E
HP Insight Control ProLiant DL 350 High Performance Model 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR309E

Related Options

HP Insight Control RDP to Insight Control upgrade 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF522E
HP Insight Control RDP to Insight Control upgrade year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ120E
HP Insight Control RDP to Insight Control upgrade 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ121E
HP Insight Control RDP to Insight Control upgrade 8 license 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UF531E
HP Insight Control RDP to Insight Control upgrade 8 license 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ224E
HP Insight Control RDP to Insight Control upgrade 8 license 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UJ225E
HP VMware vSphere STD Bundle with Insight Control license 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR689E
HP VMware vSphere STD Bundle with Insight Control license 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR700E
HP VMware vSphere STD Bundle with Insight Control license 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR702E
HP VMware vSphere STD + Data Recovery Bundle with Insight Control license 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR719E
HP VMware vSphere STD + Data Recovery Bundle with Insight Control license 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR721E
HP VMware vSphere STD + Data Recovery Bundle with Insight Control license 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR723E
HP VMware vSphere Enterprise Bundle with Insight Control license 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR726E
HP VMware vSphere Enterprise Bundle with Insight Control license 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR728E
HP VMware vSphere Enterprise Bundle with Insight Control license 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR730E
HP VMware vSphere Advanced Bundle with Insight Control license 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	R705E
HP VMware vSphere Advanced Bundle with Insight Control license 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR707E
HP VMware vSphere Advanced Bundle with Insight Control license 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR709E
HP VMware vSphere Enterprise Plus Bundle with Insight Control license 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR726E
HP VMware vSphere Enterprise Plus Bundle with Insight Control license 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR728E
HP VMware vSphere Enterprise Plus Bundle with Insight Control license 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR730E
HP VMware vSphere Essential Plus + Bundle with Insight Control license 3 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR733E
HP VMware vSphere HP VMware vSphere Essential Plus + Bundle with Insight Control license 4 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR735E

Related Options

HP VMware vSphere HP VMware vSphere Essential Plus + Bundle with Insight Control license 5 year, 24x7 Unlimited Software Support includes technical support and Software updates	UR737E
Service and Support Offerings (HP Per Event Services) Insight Control Installation & Startup Service provides for the deployment and basic configuration of HP Insight Control on HP ProLiant ML and DL series servers or HP BladeSystem servers.	UF369E
Advanced Insight Control Custom Implementation Service offers the benefits of deploying and configuring advanced features of HP Insight Control to enhance the manageability of your IT environment.	HJ898A1

Environment-friendly Products and Approach

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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