

### Overview

#### HPE Insight Control 7.6 LR2

HPE Insight Control lowers the cost of running your HPE ProLiant servers with essential server management that unlocks the potential of ProLiant servers. Increase server provisioning speed 12x (20 minutes vs 4 hours), reduce unplanned downtime by 83%, optimize data center capacity by up to 3x, and reduce system admin expenses and travel costs with complete remote control. HPE Insight Control improves operational costs savings by \$73,482 per 100 users over three years that offers a 642% Return on Investment and a payback of 4.2 months.

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

- Manage ProLiant server health and performance proactively
- Control your ProLiant servers from anywhere (iLO Advanced included)
- Optimize power confidently
- Integrate and extend your HPE Software, Microsoft® System Center, Red Hat® Enterprise Virtualization, and VMware vCenter™ Server environment

HPE Insight Control delivers complete lifecycle management for HPE ProLiant and BladeSystem infrastructure. Delivered on DVD media, Insight Control software uses an integrated installer to deploy and configure HPE Systems Insight Manager (HPE SIM) and essential infrastructure management software rapidly and consistently -- reducing manual installation procedures and speeding time-to-production. A single, consistent management environment is provided for provisioning of the operating system and hardware configuration. HPE Insight Control also includes full capabilities to migrate complete servers (both physical and virtual) to new servers (both virtual and physical), with support for converting from physical-to-virtual (and vice-versa) and converting between virtualization platforms from various vendors. In addition, Insight Control provides proactive health and performance monitoring, power management, performance analysis, lights-out remote management, and virtual machine management for HPE ProLiant servers and HPE BladeSystem infrastructure. Insight Control also provides seamless single-console integration with Microsoft® System Center and VMware vCenter Server™ for users who have standardized on those management consoles.

**HPE Insight Control** is based on HPE Systems Insight Manager (HPE SIM) as the primary management console and includes an iLO Advanced license. HPE Insight Control runs on a Windows-based central management server (CMS) and can manage server nodes running both Windows and Linux operating systems.

Please note that the Insight Control functionality is also delivered by the newest management product of HPE OneView.

**HPE OneView for Microsoft System Center** (previously known as HPE Insight Control for Microsoft System Center) is offered for customers that have chosen Microsoft System Center as their primary console. Based on HPE Insight Control and HPE OneView, it 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.

**HPE OneView for VMware vCenter** (previously known as HPE Insight Control for VMware vCenter Server) is offered for customers that have chosen VMware vCenter Server as their primary console. Based on HPE Insight Control and HPE OneView, it 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.

HPE Insight Control includes one year of 24 x 7 HPE Software Technical Support and Update Service ensuring rapid access to Hewlett Packard Enterprise support staff and proactive delivery of software updates. For more information about this service, please visit: <https://www.HPE.com/us/en/servers/management.html>.

Electronic software license delivery is now available in most countries. Hewlett Packard Enterprise recommends purchasing electronic products over physical products (when available) for faster delivery and for the convenience of not tracking and managing confidential paper licenses. For more information, please contact your reseller or an HPE representative.

## Overview

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.

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## What's New

This release of HPE Insight Control includes support for:

- HPE SUM 8.2
- HPE Intelligent Provisioning 3.10
- ILO5 1.20

**NOTE:** HPE Insight Control does not support HPE ProLiant servers Gen10.

**NOTE:** All following HPE Insight Control part numbers are ONLY supported with Gen9 and earlier ProLiant servers but are not supported with Gen10 HPE ProLiant servers.

**NOTE:** This is the last release of HPE Insight Control. HPE Insight Control will be obsolete on January 31, 2019. Customers will be able to order HPE Insight Control licenses until December 31, 2018, with final shipment by January 31, 2019.

Models

Models

<b>HPE Insight Control standalone licenses</b>	HPE Insight Control including 1yr 24x7 Technical Support and Updates 1-server LTU	C6N27A
	HPE Insight Control including 1yr 24x7 TSU E-LTU	C6N28ABE
	HPE Insight Control including 1yr 24x7 Technical Support and Updates Flexible Quantity LTU	C6N28A
	HPE Insight Control including 1yr 24x7 Technical Support and Updates Tracking LTU	C6N29A

**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 HPE.

<b>HPE Insight Control licenses for bundling with ProLiant ML/DL/BL servers</b>	<b>NOTE:</b> The following Insight Control part numbers can only be used when ordered on the same order as a supported ProLiant ML, DL, or BL server.	
	HPE Insight Control including 1yr 24x7 Support ProLiant ML/DL/BL-bundle Single Server FIO LTU	C6N36A
	HPE Insight Control including 1yr 24x7 Support ProLiant ML/DL/BL-bundle Tracking LTU	C6N37A

**NOTE:** Licenses ship without media.  
**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 HPE.

<b>HPE Insight Control bundled with ProLiant servers</b>	<b>HPE ProLiant Gen8 Server bundles with Insight Control</b>	
	HPE ProLiant DL580p Gen8 E7-4890v2 Performance Model server with Insight Control license	728544-xx1
	<b>NOTE:</b> Contains 4 Intel® Xeon® E7-4890v2 (2.8GHz/15-core/37.5MB/155W) Processors, 128 GB (16x8GB DDR3) memory, 4 HPE 1500W Common Slot Platinum Plus Hot Plug Power Supplies and single-server Insight Control license with 1 year of 24x7 Technical Support and Updates	
	HPE ProLiant DL360p Gen8 E5-2650 Performance Model server with Insight Control license	646904-xx1
	<b>NOTE:</b> Contains two 2.0GHz Intel® Xeon® E5-2650 processors, 32GB memory, HPE P42i SA w/2GB cache, two 460W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates. <b>NOTE:</b> For QuickSpecs and Technical Specifications, see: <a href="https://www.HPE.com/h20195/v2/GetHTML.aspx?docname=c04284501">https://www.HPE.com/h20195/v2/GetHTML.aspx?docname=c04284501</a>	
HPE ProLiant DL360p Gen8 E5-2690 Performance Model server with Insight Control license	646905-xx1	
<b>NOTE:</b> Contains two 2.9GHz Intel® Xeon® E5-2690 processors, 32GB memory, HPE P42i SA w/2GB cache, two 460-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates. <b>NOTE:</b> For QuickSpecs and Technical Specifications, see: <a href="https://www.HPE.com/h20195/v2/GetHTML.aspx?docname=c04284501">https://www.HPE.com/h20195/v2/GetHTML.aspx?docname=c04284501</a>		
HPE ProLiant DL380p Gen8 E5-2650 Performance Model server with Insight Control license	642106-xx1	

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**NOTE:** Contains two 2.0GHz Intel® Xeon® E5-2650 processors, 32GB memory, HPE P420i SA w/ 2GB cache, two 750W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

**NOTE:** Please QuickSpecs and Technical Specifications

see: <https://www.HPE.com/h20195/v2/GetHTML.aspx?docname=c04199811>

HPE ProLiant DL380p Gen8 E5-2665 Performance Model server with Insight Control license

642105-xx1

**NOTE:** Contains two 2.4GHz Intel® Xeon® E5-2665 processors, 32GB memory, HPE P420i SA w/ 2GB cache, two 750W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

**NOTE:** For QuickSpecs and Technical Specifications,

see: <https://www.HPE.com/h20195/v2/GetHTML.aspx?docname=c04199811>

HPE ProLiant DL380p Gen8 E5-2690 Performance Model server with Insight Control license

662257-xx1

**NOTE:** Contains two 2.9GHz Intel® Xeon® E5-2690 processors, 32GB memory, HPE P420i SA w/ 2GB cache, two 750W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

### HPE ProLiant G7 Server bundles with Insight Control

HPE ProLiant DL580 G7 E7-4870 Performance Model server with Insight Control license

643063-xx1

**NOTE:** Contains four 2.4-GHz Intel® Xeon® E7-4870 processors, 128 GB memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

HPE ProLiant DL585 G7 6386SE Performance Model server with Insight Control license

704160-xx1

**NOTE:** Contains four 2.8-GHz AMD Opteron™ 6386SE processor, 128 GB memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year 24x7 Technical Support and Updates.

HPE ProLiant DL585 G7 6376 Performance Model server with Insight Control license

708687-xx1

**NOTE:** Contains four 2.3 GHz AMD Opteron™ 6376 processors, 64 GB memory, four 1200-W hot plug redundant power supplies and a single-server Insight Control license with 1 year 24x7 Technical Support and Updates.

HPE ProLiant DL585 G7 6380 Performance Model server with Insight Control license

704159-xx1

**NOTE:** Contains four 2.5 GHz AMD Opteron™ 6380 processors, 128 GB memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates

HPE ProLiant DL585 G7 6238 Performance Model server with Insight Control license

653748-xx1

**NOTE:** Contains two 2.6-GHz AMD Opteron™ 6238 processors, 32 GB memory, two 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

HPE ProLiant DL585 G7 6180SE Performance Model server with Insight Control license

633964-xx1

**NOTE:** Contains four 2.5-GHz AMD Opteron™ 6180SE processors, 64 GB memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

HPE ProLiant DL585 G7 6272 Performance Model server with Insight Control license

653747-xx1

**NOTE:** Contains four 2.1-GHz AMD Opteron™ 6272 processors, 64 GB memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

HPE ProLiant DL585 G7 6276 Performance Model server with Insight Control license

653746-xx1

**NOTE:** Contains four 2.3-GHz AMD Opteron™ 6276 processors, 128 GB memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.

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HPE ProLiant DL585 G7 6282SE Performance Model server with Insight Control license	653745-xx1
<b>NOTE:</b> Contains four 2.6-GHz AMD Opteron™ 6282SE processors, 128 GB memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.	
HPE ProLiant DL980 G7 E7-2830 2.13GHz 8 Core 4p Server	AM449A
<b>NOTE:</b> Contains four 2.13-GHz Intel® Xeon® E7-2830 processors, 128 GB ECC mirrored memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.	
HPE ProLiant DL980 G7 E7-2860 2.26GHz 10 Core 4p Server	AM448A
<b>NOTE:</b> Contains four 2.26-GHz Intel® Xeon® E7-2860 processors, 128 GB ECC mirrored memory, four 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.	
HPE ProLiant DL980 G7 E7-4870 2.4GHz 10 Core 4p Server	AM447A
<b>NOTE:</b> Contains four 2.40-GHz Intel® Xeon® E7-4870 processors, 256 GB ECC mirrored memory, eight 1200-W hot-plug redundant power supplies and a single-server Insight Control license with 1 year of 24x7 Technical Support and Updates.	

**HPE Insight Control bundled with BladeSystem enclosures**

<b>BladeSystem c3000 enclosure rack models</b> - Supports up to 8 blades	
HPE BLc3000 Enclosure with 4 AC Power Supplies 6 Fan Full ICE License	508664-B21
<b>NOTE:</b> Includes 4 AC Power Supplies, 6 Active Cool 100 Fans, DVD drive, Rail Kit, Onboard Administrator DDR2 module and 8 Insight Control licenses.	

<b>BladeSystem c7000 enclosure models</b> - Supports up to 16 blades	
HPE BLc7000 Enclosure with 1 Phase 6 Power Supply 10 Fan FI ROHS ICE License	507015-B21
<b>NOTE:</b> Single-Phase with 6 Power Supplies, 10 Fans with 16 Insight Control licenses, including 1 year of 24x7 Technical Support and Updates.	

HPE BLc7000 Enclosure with 3 Phase 6 Power Supply 10 Fan ENG ROHS ICE License	507017-B21
<b>NOTE:</b> 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.	

HPE BLc7000 Enclosure with 3 Phase 6 Power Supply 10 Fan INTL ROHS ICE License	507016-B21
<b>NOTE:</b> Three-Phase International with 6 Power Supplies, 10 Fans with 16 Insight Control licenses, including 1 year of 24x7 Technical Support and Updates.	

<b>HPE Insight Control licenses for bundling with BladeSystem enclosures</b>	
<b>NOTE:</b> The following Insight Control part numbers can only be used when ordered on the same order as a BladeSystem c3000 or c7000 enclosure.	

HPE Insight Control for BladeSystem including 1yr 24x7 Support Enclosure 8-server FIO LTU	C6N32A
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HPE Insight Control for BladeSystem including 1yr 24x7 Support Enclosure 16-server FIO LTU	C6N33A
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HPE Insight Control for BladeSystem including 1yr 24x7 Support Enclosure 8-server Tracking LTU	C6N34A
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HPE Insight Control for BladeSystem including 1yr 24x7 Support Enclosure 16-server Tracking LTU	C6N35A
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**NOTE:** Licenses bought with part numbers in this section can only be used for BladeSystem servers.

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

**HPE Insight Control remote HPE Integrated Lights-Out (iLO) Advanced for ProLiant**

HPE iLO Advanced 1-server License with 1yr Support on iLO Licensed Features	512485-B21
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<b>management / Integrated Lights-Out (iLO) Advanced standalone</b>	HPE iLO Advanced Flexible Quantity License with 1yr Support on iLO Licensed Features	512486-B21
	HPE iLO Advanced AKA Tracking License with 1yr Support on iLO Licensed Features	512487-B21
	HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features	BD505A
	HPE iLO Advanced Flexible Quantity License with 3yr Support on iLO Licensed Features	BD506A
	HPE iLO Advanced AKA Tracking License with 3yr Support on iLO Licensed Features	BD507A

**HPE Integrated Lights-Out (iLO) Advanced for ProLiant BladeSystem Remote Management**

HPE iLO Advanced for BladeSystem 1-server License with 1yr Support on iLO Licensed Features	512488-B21
HPE iLO Advanced for BladeSystem Flexible Quantity License with 1yr Support on iLO Licensed Feature	512490-B21
HPE iLO Advanced for BladeSystem AKA Tracking License with 1yr Support on iLO Licensed Features	512491-B21
HPE iLO Advanced for BladeSystem 1-server License with 3yr Support on iLO Licensed Features	BD502A
HPE iLO Advanced for BladeSystem Flexible Quantity License with 3yr Support on iLO Licensed Features	BD503A
HPE iLO Advanced for BladeSystem AKA Tracking License with 3yr Support on iLO Licensed Features	BD504A

**NOTE:** Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.

<b>HPE Insight Control remote management / Integrated Lights-Out (iLO) Advanced Upgrade to Insight Control</b>	HPE Insight Control Upgrade from iLO Advanced including 1yr 24x7 Support Flexible Quantity LTU	C6N38A
	HPE Insight Control Upgrade from iLO Advanced including 1yr 24x7 Support E-LTU	C6N38ABE

**NOTE:** For use in environments where iLO Advanced is already licensed.  
**NOTE:** Licenses ship without media.  
**NOTE:** Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single set of activation keys.

## Standard Features

- Product Features** Insight Control includes several important functionalities, including:
- HPE Systems Insight Manager
  - Performance management
  - Power management
  - Remote management (iLO Advanced)
  - Server migration
  - Virtual machine management
  - Integration extensions for Microsoft® System Center
  - Integration extensions for VMware vCenter Server™
  - Integration extensions for Red Hat Enterprise Virtualization
  - Installer

HPE Insight Control runs on a Windows-based central management server (CMS) and can manage server nodes running both Windows and Linux operating systems. (The server operating systems are not included and must be purchased separately.)

The purchase of Insight Control (or upgrades from Integrated Lights-Out (iLO) Advanced or Insight Control server deployment to Insight Control) includes 1 year of 24x7 Technical Support and Updates (TS&U). Upgrades to 3 or more years of TS&U are available.

When ordering Insight Control, customers will receive a license entitlement certificate via physical shipment or via 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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- Obtaining Insight Control software** Insight Control software can be obtained in two ways. (1) as a software download from the HPE Software depot web site or (2) on the Insight Management DVD media kit.

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- Unified infrastructure management** HPE Insight Control, based on HPE Systems Insight Manager (HPE SIM), provides a unified, secure and extensible platform to centrally manage servers, storage, and other infrastructure devices across heterogeneous operating system environments. (For example, HPE Insight Control can manage server nodes running both Windows and Linux operating systems.)

HPE Systems Insight Manager (HPE SIM) is the clear choice for managing Hewlett Packard Enterprise servers and storage by being the easiest, simplest, and least expensive way for HPE system administrators to maximize system uptime and health.

- HPE SIM provides hardware-level management for HPE ProLiant servers, HPE Integrity servers, HPE BladeSystems; HPE MSA, HPE EVA, and HPE XP storage arrays; and HPE Networking A-series devices
- It includes device discovery, identification, and asset management. All asset information is stored in a database for systematic inventory management.
- Users can generate various reports based on formats using the latest industry standards
- Integrated with HPE Insight Remote Support Advanced, HPE SIM also provides contracts and warranty management, and automates remote support
- ProLiant and Integrity servers running Windows and Linux can automatically download the latest BIOS, driver, and agent updates. HPE SIM will also identify systems running out-of-date systems software and enable system software updates across groups of servers

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- Insight Control remote management (iLO Advanced)** HPE Insight Control remote management provides a license for iLO Advanced, HPE's premier solution for comprehensive lights-out remote management capabilities for ProLiant servers. This environment-management solution includes remote access to server power control and event logs, virtual media for simple deployment and update of remote servers, high-performance virtual keyboard-virtual-mouse (KVM) for routine and emergency remote administration, and single-server power measurement and regulation.

## Standard Features

HPE Insight Control helps distributed IT teams effectively collaborate to solve complex IT problems. The shared console capability allows up to six 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 include:

- **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 (i.e. shutdown and startup operations) and works with a standard browser (without additional software) on the remote server or client system.
- **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, the virtual device or ISO 9660 image is available as if it were a local USB device. Administrators can execute functions remotely from an applet user interface, command line, or script.
- **Integration 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 (iLO) 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 HPE 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.
- **Advanced user authentication** with two-factor authentication via Kerberos using digital certificates embedded on smartcards or USB. Using this form of strong authentication, iLO access can be restricted to IT individuals possessing a certificate-bearing smartcard or USB and a PIN.
- **Integration 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.
- **Embedded wizard** to guide users through initial HPE BladeSystem configuration and setup using the familiar Lights-Out interface. Configuration and installation of Lights-Out, blade server, and operating system also includes integrated activation of Virtual Media using the appropriate media. An HPE BladeSystem rack image is automatically rendered for easy point-and-click navigation between blades and enclosures within a single rack.
- **Secure Shell Text Console (Textcons)** provides scripting tools and an alternate remote management functionality, used mostly in Linux environments, instead of the Integrated Graphic Remote Console, for set up and deployment of servers. Textcons, takes text data from the video chip, redirecting it out over a secured network, where the user can configure their BIOS, the OS loader and the OS itself.
- **Serial record and play back** is taking the output data from the Remote Serial Console (Textcons) and saving it to iLO memory for the customer to access later. Very similar to "console replay", but is text based data only from the serial port. This would be used to store logs of data and/or history of activity so a customer can retrieve it later to see exactly what activity was done - or actions occurred (Play back) but all text based. Linux customers normally use this functionality don't have monitors at remote locations so this allows them the usability to send and retrieve data remotely all don't via Remote Serial Console or virtual serial ports.
- **Remote System logs** iLO keeps a log of everything being done, so it can later be used for troubleshooting or simply have a record. Syslog can be configured to receive logging from a remote client, or to send logging to a remote syslog server. Remote logging is sending a duplicate record of those events not only to the local machine but to a remote machine as well for enhanced security.



## Standard Features

### Insight Control power management

HPE Insight Control power management is an integrated power monitoring and energy management application that provides centralized monitoring and control of datacenter power consumption and thermal output. Energy instrumentation connected into HPE Systems Insight Manager enables greater Unified Infrastructure Management, and is compatible with any operating system residing on the managed server. Insight Control power management provides tools to increase the capacity of your datacenter by reducing power and cooling requirements of ProLiant servers to a level which accurately reflects the workloads of your servers. 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. Physical and power topology configurations can be easily modified through the user interface or from spreadsheets and configuration management repositories using import tools
- Limiting the server(s) power consumption to an average level, power capping can be set to minimize overall power consumption and heat output.
- **Data Center Power Control** allows customers to reduce their energy costs and take control of their power and cooling during catastrophic events. Customers set pre-defined rules to handle power and cooling rules. These rules act selectively on systems based on attributes and relationships to gracefully shutdown the OS or change iLO power regulator state. In addition customers can take control over their energy usage and power down non-essential servers during peak hours. Power consumption goals can be defined and rule execution conditionally stopped if the goals are achieved.
- **Integration with facilities management software** allows customers to do their rack and power planning using precise, actual power data instead of estimates. Information from facilities management software will be imported into Insight Control power management allowing us to provide an electrical inventory along with load data.
- **Discovery of metered PDU's** allowing Insight Control power management the ability to measure power consumption for a heterogeneous environment. Includes the capability to monitor leading non-HPE power distribution units (PDUs).
- **Dynamic Power Capping** safely limits power usage with no performance degradation and without risk to electrical infrastructure. Insight Control power management allows the setting of power caps for one or many systems at a time. For single rack servers, power caps are applied via the iLO management processor and will limit power usage to a specific Watt or BTU/hr level. For enclosures of blades, users can set an enclosure level power cap, and the Onboard Administrator will dynamically adjust individual server power caps based on their specific power requirements. Capping power usage at historical peak power usage -- instead of significantly higher face-plate, ROM burn, or power calculator default values -- allows IT organizations to fit up to 36% more servers in their existing rack infrastructure
- **Power Discovery Services** enables visualization of datacenter power topology via the intelligent power distribution units (iPDUs) Enables the automatic detection of wiring errors, and with automatic updates for electrical inventory when new servers are installed. Discovery capabilities have been enhanced with 'outlet control', which enables the (iPDUs) to manage each outlet where a device is plugged in -- for enhanced power monitoring with remote control from Insight Control.
- Location Discovery Services enable Insight Control power management to automatically know and display the exact location of Gen8 servers within the intelligent series rack. This provides reduced labor time, operational costs and human errors associated with inventory and asset management.
- Each power/thermal graph has an Analysis dashboard that summarizes key information for the selected server(s), rack or data centers. The data displayed 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 HPE's Power Regulator technology.
- Insight Control power management takes action to change the HPE 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.

## Standard Features

- **Enhanced Reports** communicate power and thermal information -- from individual server utilization to data-center-level summaries and analysis. Reports on under-utilized servers identify those that are power hogs, are idle but still running, or are decommissioned but not powered off.

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### Insight Control performance management

HPE Insight Control detects, analyzes, and explains hardware bottlenecks on HPE ProLiant servers. HPE 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 and reporting, and set up proactive notification using the HPE 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.

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### Insight Control server migration

HPE Insight Control makes it easy to upgrade or replace your existing server, or to implement virtualization. HPE 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
- An unlimited number of server migrations is allowed.
- Supports Migrations from any x86/x64 server regardless of vendor to the latest HPE ProLiant or BladeSystem server technologies
- Source can be any x86/x64 server with a supported OS or a supported VM-type
- Destination can be a supported HPE ProLiant or BladeSystem server or a supported virtual machine
- Heterogeneous virtualization platform support enables Ability to migrate between virtualization platform, such as VMware ESX and Microsoft Hyper-V.
- Supports server migrations across FibreChannel over Ethernet (FCoE) and iSCSI environments, and across Linux SAN environments.
- 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

## Standard Features

eliminated. Automatically install the latest PSP when migrating to a ProLiant server (P2ProLiant or V2ProLiant).

- The extremely intuitive user interface enables consistent migrations without prior training.
- 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/x64 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 HPE BladeSystem c-Class, including migrating servers from direct attach storage to boot from SAN.

### Insight Control virtual machine management

The HPE Insight Control significantly extends HPE Systems Insight Manager (HPE SIM) capabilities to manage virtual machines. HPE Insight Control seamlessly merges hardware and heterogeneous virtualization management of VMware ESX, Microsoft Hyper-V, 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 an 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. VMware ESXi 5 environments also support lockdown/non-lockdown modes, autoboot, and stateless/stateful modes. Lockdown mode provides for increased security of ESXi hosts.

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, 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 Microsoft Hyper-V (MSCS clusters only).  
Where the VM Host is not connected to a SAN, a file-copy move can be used.
- 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 HPE Insight Control as your central event consolidation and alerting tool.

## Standard Features

- **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 HPE SIM from setting the host status to "critical".

### Extensions for Microsoft System Center

HPE Insight Control and HPE OneView integrate with Microsoft System Center Server to deliver powerful Hewlett Packard Enterprise hardware management capabilities directly from the System Center consoles for comprehensive system health, configuration management, and remote control. In conjunction with HPE OneView, it also 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 HPE.

By integrating HPE converged management features into Microsoft System Center consoles, administrators can gain greater control of their technology environments. This provides consistency for software deployment and updates and enables a faster response in the event of server failure, reducing the risk of downtime.

This integration allows the following capabilities from the Microsoft System Center consoles:

#### System Center Virtual Machine Manager (SCVMM)

- Visually trace and monitor your infrastructure network end-to-end, from the host to the individual network modules within your domain, delivering comprehensive management of the network and making it easy for you to review and change any HPE-specific information.
- Facilitate consistency and improve uptime with simplified driver and firmware updates via a rotating, automated workflow for Hyper-V clusters using the HPE ProLiant Updates Catalog.
- Take control by invoking HPE remote management tools (such as iLO, OA, VCM, and HPE OneView) in-context of the host you have selected, directly from the SCVMM console.

#### System Center Operations Manager (SCOM)

- Prevents problems from occurring by proactively monitoring and managing hardware health and intelligently responding to hardware events on servers running Windows and Linux, as well as BladeSystem enclosures and HPE Virtual Connect. A consolidated health monitoring view reflects the HPE OneView model, showing relationships between managed devices.
- Manage the health of HPE ProLiant Gen8 servers without the need for loading OS-based SNMP agents or WBEM providers. It can also be used to monitor the health of servers that do not have an OS yet loaded, as well as ProLiant Gen8 servers running any operating system that has a supported Agentless Monitoring Service (such as VMware ESXi).
- Take control by invoking HPE remote management tools (such as iLO, OA, VCM, and HPE OneView) in-context of the host you have selected, directly from the SCOM console.

#### System Center Configuration Manager (SCCM)

- Provides quick and reliable Windows deployment to bare metal Hewlett Packard Enterprise servers.
- Ensures consistency and maximize uptime with simplified Windows driver and firmware updates using the HPE ProLiant Updates Catalog.
- Provides detailed component level inventory of every managed HPE Windows server using the HPE ProLiant Inventory Tool.

Extensions for Microsoft System Center are delivered via HPE OneView for Microsoft System Center (previously known as HPE Insight Control for Microsoft System Center) and are licensed for use with both HPE OneView and Insight Control. (Only one of these two licenses is required on any given host, but advanced provisioning features are only available with HPE OneView licensed hosts.)

This integration enables you to provision, modify and recover complex infrastructure -- both virtual and physical together -- from your preferred management console.

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

## Standard Features

### Extensions for VMware vCenter Server

HPE OneView for VMware vCenter delivers powerful Hewlett Packard Enterprise hardware management capabilities directly from the vCenter console to virtualization administrators, enabling comprehensive monitoring, remote control and power optimization. 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 HPE.

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

- **Combined physical and virtual view:** From a single pane of glass, monitor status and performance of virtual machines and the underlying host systems that support them.
- **Integrated troubleshooting:** Receive pre-failure and failure alerts on HPE server components and invoke HPE management tools, such as Systems Insight Manager, iLO, Virtual Connect Manager and Onboard Administrator, in-context, directly from the vCenter console.
- **Visually trace and monitor** your network end-to-end, from the host, all the way to the individual network modules connected within your domain, delivering comprehensive management of the network making it easy for you to review and change any HPE-specific information.
- **Powerful Remote Control:** Remotely manage and troubleshoot HPE ProLiant and BladeSystem servers using HPE Integrated Lights Out Advanced capabilities directly from the vCenter console.
- **Proactive power management:** Get the most out of your existing power envelope by comprehending and proactively managing power for hosts and pools of virtual machines across hosts.
- **Role-based security:** Assign permission to Insight Control for vCenter Single-sign on using the three role levels part of VMware vCenter server to segment the level of access and control.
- **Maintain stability** by monitoring and deploying firmware on HPE ProLiant ESXi hosts
- **Deploy ESX/ESXi hosts on bare-metal ProLiant servers directly from VMware vCenter** by right clicking on a cluster to trigger easy workflows that leverages HPE Server Provisioning in the background to deploy your hypervisor. Move to HPE OneView for an even more automated workflow.
- **View and Monitor HPE Storage:** Monitor portfolio of HPE Arrays. View volume and LUN connections to your virtual machines or ESX server hosts
- **Provision HPE storage:** Add new datastore, deleting or expanding an existing datastore, creating new VMs, or cloning existing VMs.

One installer now delivers both vCenter .Net Client Graphical User Interface and the New Web Client Graphical User Interface.

Over time, all capabilities of the existing .NET version will be migrated to the new web based console client.

HPE OneView for VMware vCenter is a free download once you have purchased an HPE Insight Control or HPE OneView license. This integration enables you to provision, modify and recover complex infrastructure -- both virtual and physical together -- from your preferred management console.

**NOTE: VMware vCenter Server is not included with HPE OneView for VMware vCenter and must be purchased separately.**

## Supported Product

### Hardware Support

#### HPE server hardware platforms

HPE Insight Control supports management of most HPE ProLiant servers and BladeSystem infrastructure. There may be minor discrepancies in hardware support between different software functions, so customers are encouraged to consult the detailed Insight Management Support Matrix for specifics on platform support at: <http://www.HPE.com/info/insightcontrol/docs>

To enable the power management capabilities of HPE Insight Control, target servers must have an embedded power meter.

#### Central Management Server support and requirements

**NOTE:** See the Insight Management Support Matrix for the most current CMS requirements at:

<http://www.HPE.com/info/insightcontrol/docs>

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## Service and Support

**Warranty** Hewlett Packard Enterprise will replace defective delivery media for a period of 90 days from the date of purchase. This warranty applies to all HPE Insight Management products found on the delivery media.

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**HPE Software Support** Hewlett Packard Enterprise offers a number of additional software support services, many of which are provided to our customers at no additional charge.

### **Software Technical Support and Update Service**

Insight Control and select Insight Management software products include one year of 24 x 7 HPE Software Technical Support and Update Service. This service provides access to HPE technical resources for assistance in resolving software implementation or operations problems. The service also provides access to software updates and reference manuals in electronic form. With this service, Insight Control and Insight Management customers will benefit from expedited problem resolution as well as proactive notification and delivery of software updates.

### **Registration for Software and Technical Support and Update Services -**

If you received a license entitlement certificate, registration for this service will take place following 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 HPE Support Center web page to view your contract online.

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**HPE Education and Training Services** Today's business climate is changing rapidly, with requirements for responsiveness, adaptability, and flexibility that are more important than ever before. The ability of individuals and enterprises to learn and utilize technology, as well as the new business models and processes it supports, is key. After all, these knowledgeable people will prove to be your ultimate competitive advantage. In the end, people are the business, and the business with the best people wins the competitive battle.

Our HPE Insight Management and HPE BladeSystem curricula build both core and advanced skills. Multi-level courses cover HPE ProLiant systems deployment and systems management for servers and blades. Hewlett Packard Enterprise provides training in the three critical areas of ProLiant knowledge:

- ProLiant hardware and HPE BladeSystem management infrastructure solutions, including HPE CloudSystem Matrix solutions
  - BladeSystem management solutions such as HPE Insight Management (including Matrix OE) and Virtual Connect
  - Hypervisor and operating system training in VMware, Microsoft, and Linux technologies
- 

**Parts and Materials** Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.

Related Options

<b>VMware vSphere bundles with Insight Control</b>	VMware vSphere 2xEnterprise Plus 1 Processor with Insight Control 1yr E-LTU	BD917AAE
	VMware vSphere 2xEnterprise Plus 1 Processor with Insight Control 3yr E-LTU	BD918AAE
	VMware vSphere 2xEnterprise Plus 1 Processor with Insight Control 5yr E-LTU	BD919AAE

**NOTE:** All VMware vSphere products from HPE include a 1yr, 9x5 unlimited technical software support and updates, unless otherwise noted.

**NOTE:** Insight Control is licensed per server.

**NOTE:** For additional service and support upgrades and options, please see the HPE Pointnext operational services in the Related Options section of this QuickSpecs.

<b>HPE Pointnext operational services</b>	<b>NOTE:</b> Software reactive support including 24x7 phone-in assistance available holidays & weekends, software updates (if applicable) and patches with priority support response.	
	HPE 3 year 24x7 Insight Control ML-DL-BL Software Support	UF526E
	HPE 3 year 24x7 Insight Control Blade 16 Server Software Support	UF536E
	HPE 3 year 24x7 Insight Control Blade 8 Server Software Support	UF532E

**NOTE:** The 3-year 24x7 Unlimited Software Support products upgrade the included 1 year 24x7 Unlimited Software Support and Updates to three year.

**Service and Support Offerings** (HPE Per Event Services)

HPE Insight Control Startup Service	UF369E
HPE OneView MS System Center Startup Service	UT857E
HPE OneView VMware vCenter Startup Service	UT858E
HPE Insight SW Ops and Performance Review Service	UJ718E
HPE Insight Control Server Custom Deployment Service	U5683E
HPE Insight Control Server Mig-1 Server Startup Service	UF815E
HPE Insight Control power management Service	UU962E

Proactive Care - Collaborative Support plus Proactive services delivered by the on shore/near shore Advanced Solution Center (ASC) and backed by the global delivery organization, end-to-end case ownership from a Technical Solution Specialists and Technical Account Manager who remotely delivers firmware/software revision management, proactive scans and incident trend reports. Recommended for customers running a virtualized infrastructure and/or customers who desire an enhanced call support experience.

HPE 3 year Proactive Care 24x7 Insight Control ML-DL-BL-SL Service	U3N08E
HPE 3 year Proactive Care 24x7 Insight Control Blade 16 Server Service	U3N14E
HPE 3 year Proactive Care 24x7 Insight Control Blade 8 Server Service	U3N11E
HPE 3 year Proactive Care 24x7 c3000 Enclosure with Insight Control Service	U3P19E
HPE 3 year Proactive Care Call to Repair c3000 Enclosure with Insight Control Service	U3P22E
HPE 3 year Proactive Care 24x7 c7000 Enclosure with Insight Control Service	U3P10E
HPE 3 year Proactive Care Call to Repair c7000 Enclosure with Insight Control Service	U3P13E
HPE 3 year Proactive Care 24x7 ProLiant DL360e with Insight Control Service	U6G82E
HPE 3 year Proactive Care Call to Repair ProLiant DL360e with Insight Control Service	U6G84E
HPE 3 year Proactive Care 24x7 ProLiant DL36x(p) with Insight Control Service	U3N59E
HPE 3 year Proactive Care Call to Repair ProLiant DL36x(p) with Insight Control Service	U3N65E
HPE 3 year Proactive Care 24x7 ProLiant DL380e with Insight Control Service	U6G61E
HPE 3 year Proactive Care Call to Repair ProLiant DL380e with Insight Control Service	U6G63E
HPE 3 year Proactive Care 24x7 ProLiant DL38x(p) with Insight Control Service	U3N23E
HPE 3 year Proactive Care 24x7 ProLiant DL560 with Insight Control Service	U6H90E
HPE 3 year Proactive Care Call to Repair ProLiant DL560 with Insight Control Service	U6H92E



## Related Options

HPE 3 year Proactive Care 24x7 ProLiant DL58x with Insight Control Service	U3N41E
HPE 3 year Proactive Care Call to Repair ProLiant DL58x with Insight Control Service	U3N47E
HPE 3 year Proactive Care 24x7 ProLiant ML350(p) with Insight Control Service	U3N77E
HPE 3 year Proactive Care Call to Repair ProLiant ML350(p) with Insight Control Service	U3N83E

## Summary of Changes

Date	Version History	Action	Description of Change
06-Aug-2018	Version 57	Changed	Overview, Models, Standard Features, and Related Options sections were updated.
		Removed	Obsolete SKUs were deleted: TC222B, TC225BAE.
02-Apr-2018	Version 56	Changed	Overview, Standard Features, Seervice and Support, and Related Options sections were updated.
		Removed	Obsolete SKUs were deleted: BD883A, TC224B, BD914AAE, BD915AAE, BD916AAE.
18-Dec-2017	Version 55	Changed	Overview section was revised.
23-Oct-2017	Version 54	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
17-Jul-2017	Version 53	Changed	Changes made to the Overview Sections
11-Jul-2017	Version 52	Changed	Changes made throughout the QuickSpecs
05-Jun-2017	Version 51	Changed	Changes made to the Overview and standard features sections
28-Nov-2016	Version 50	Changed	Changes made throughout the QuickSpecs
31-Mar-2016	Version 49	Changed	What's New section was updated
17-Aug-2015	Version 48	Changed	Overview section was updated.
		Removed	Obsolete SKUs were deleted: TC226B, TC227B, TC226BAE, TC226BAE, TC223B, TC228A.
30-Mar-2015	Version 47	Changed	Overview section was updated
09-Sep-2014	Version 46	Changed	What's New section was updated
10-Jun-2014	Version 45	Changed	What's New Section was updated Standard Features section was updated
		Removed	The HPE Insight Control server deployment standalone section was removed from Overview The HPE Insight Control server deployment Upgrade to Insight Control was removed from Overview
28-Apr-2014	Version 44	Changed	Changes in the Overview section.
18-Feb-2014	Version 43	Changed	Extensions for Microsoft SystemCenter was revised in Standard Features
09-Dec-2013	Version 42	Changed	Model descriptions and part numbers were revised throughout Overview
22-Nov-2013	Version 41	Added	Note was added throughout Models.
11-Oct-2013	Version 39	Changed	Model descriptions and part numbers were revised throughout Overview
10-Sep-2013	Version 38	Changed	Model descriptions and part numbers were revised throughout Overview Product Features was added to Standard Features At A Glance was removed from Overview
10-Jun-2013	Version 37	Changed	Changes made to the following section: What's New - Insight Control 7.2.1 enhancements includes: Latest ProLiant Gen8 servers support Latest software support RHEL 6.4 ESXi 5.1U1 ESXi 5.0 U2 IE 10 in compatibility mode Insight Control for Microsoft System Center 7.3 enhancements: HPE Virtual Connect Management Pack for SCOM HPE Fabric Management Add-in for SCVMM Models Standard Features Related Options

Summary of Changes

25-Mar-2013	Version 36	Changed	Overview and Standard Features: Replaced deployment with provisioning throughout section. Overview: Updated HPE Insight Control bundled with ProLiant servers section.
22-Feb-2013	Version 34	Removed	Removed several SKUs from the Models section.
19-Feb-2013	Version 33	Changes	The following sections within Models were updated: HPE Insight Control standalone licenses HPE Insight Control licenses for bundling with ProLiant ML/DL/BL servers HPE Insight Control bundled with BladeSystem enclosures The following sections within Models were added: HPE Insight Control remote management / Integrated Lights-Out (iLO) Advanced standalone HPE Insight Control for Insight Control for Linux Upgrade HPE Insight Control remote management / Integrated Lights-Out (iLO) Advanced Upgrade to Insight Control HPE Insight Control server deployment standalone Obtaining Insight Control software was added to Standard Features The following sections of Standard Features had changes: Insight Control remote management (iLO Advanced) Insight Control power management Extensions for Microsoft System Center Other changes made in the Supported Product, Service and Support and throughout the Technical Specifications section.
04-Dec-2012	Version 32	Changed	Changes were made in Overview, Standard Features, and Technical Specifications sections.
24-Sep-2012	Version 31	Changed	Changes were made in Overview, Standard Features, Service & Support, HPE Care Pack and Warranty Information sections
13-Aug-2012	Version 30	Changed	Changes made in the What's New and Standard Features sections.
04-Jun-2012	Version 29	Changed	Changes made in the What's New, Standard Features and Related Options sections.
14-May-2012	Version 28	Changed	Changes made in the What's New, Standard Features and Related Options sections.
30-Mar-2012	Version 27	Changed	Changes made in the What's New section only.
06-Mar-2012	Version 26	Changed	Revisions were made throughout.
30-Aug-2011	Version 25	Changed	HPE Insight Control bundled with ProLiant Servers and BladeSystem enclosures, Extensions for Microsoft System Center and VMware vCenter Server, HPE Insight Dynamics for ProLiant, VMware vSphere bundles with Insight Control and HPE Pointnext operational services were revised.
05-Apr-2011	Version 24	Changed	Revisions were made throughout.
14-Jan-2011	Version 23	Changed	Change made in the North America and Canada versions only.
15-Nov-2010	Version 22	Changed	HPE Insight Control bundled with ProLiant servers was completely revised, part numbers were changed in VMware vSphere bundles with Insight Control, HPE Insight Control licenses for bundling with ProLiant ML/DL/BL servers was added and BladeSystem c3000 enclosure tower models was removed from HPE Insight Control bundled with BladeSystem enclosures.
05-Oct-2010	Version 21	Changed	VMware vSphere bundles with Insight Control was completely revised, Insight Control remote management was added to Insight Control remote management (iLO Advanced), Intelligent Power Discovery was added to Insight Control power management, Integration of Insight Control with VMware vCenter v6.2 were added to Extensions for VMware vCenter Server and BladeSystem c3000 enclosure tower

## Summary of Changes

			model 469500-B21 was removed from Control bundled with BladeSystem enclosures.
21-Jun-2010	Version 20	Changed	updated throughout the Models, Part numbers TC203AAE, TC211AAE and TC212AAE were added to HPE Insight Control for Linux, Part numbers TC226AAE and TC227AAE were added to HPE Insight Dynamics for ProLiant and Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate instead note was removed throughout.
29-Mar-2010	Version 19	Changed	HPE Insight Control remote management/Integrated Lights-Out (iLO) Advanced standalone was completely revised in the Overview, Insight Control was revised throughout the Overview and Standard Features, iLO Advanced was added and x64 server was added to the Standard Features.
16-Feb-2010	Version 18	Changed	Changes were made within the Overview, Supported Product and Related Options sections.
16-Nov-2009	Version 17	Changed	Changes were made throughout the entire QuickSpecs. Note the title has changed.
27-Apr-2009	Version 16	Changed	Changes were made throughout the entire QuickSpecs. Note the title has changed.
26-Jan-2009	Version 15	Changed	Changes were made throughout the entire QuickSpecs. Note the title has changed.
15-Sep-2008	Version 14	Changed	Changes were made within the Overview, Supported Product and Related Options sections.
14-Jul-2008	Version 13	Changed	Changes made throughout the QuickSpecs include: References to HPE ProLiant ML/DL 300, 500 and 700 series Servers and HPE ProLiant BL Servers were added throughout Licensing and Packaging - HPE BladeSystem c-Class Enclosure Options was moved from the Overview to the Related Options section HPE iLO Advanced Pack Upgrade to Insight Control Environment Suite was added to the Related Options section <b>NOTE:</b> Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certification (xxxxx-B2x) instead was added in the Overview section <b>NOTE:</b> VMware ESX3i is supported by HPE Insight Control Environment suite components, excluding Performance Management Pack (PMP) was added to the Related Options section.
12-May-2008	Version 12	Changed	Changes were made throughout the entire QuickSpecs.
22-Feb-2008	Version 11	Changed	Changes were made to the Overview, Standard Features and Related Options sections.
15-Feb-2008	Version 10	Changed	Changes were made in the North America and Canada QuickSpecs only.
11-Feb-2008	Version 9	Changed	Changes were made to the Overview, Standard Features and Related Options sections.
01-Feb-2008	Version 8	Changed	A small change was made to the Overview section.
07-Dec-2007	Version 7	Changed	Changes were made to the Overview/Models section.
12-Nov-2007	Version 6	Changed	Changes were made throughout the document, including the addition of several new models, the deletion of an Option, and changing the title of the QuickSpecs.
14-Sep-2007	Version 5	Changed	Changes made within the Overview and Related Options sections.
13-Jul-2007	Version 4	Added	Added the Related Options section.
09-Jul-2007	Version 3	Changed	The QuickSpecs was rewritten.
02-Feb-2007	Version 2	Changed	Changes made throughout the QuickSpecs.
16-Jan-2007	Version 1	Created	New QuickSpecs.

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## Summary of Changes

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