QuickSpecs

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. Reduce the cost of running your ProLiant servers by $48,380 per 100 users, with a 500%+ ROI and 6.1 month payback period. Increase ProLiant server deployment speed twelve-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 allotment. Reduce system admin expenses and travel costs with complete remote control anytime, from anywhere.

HP Insight Control for Linux is an affordable solution to manage multi-system Linux environments of industry-standard HP ProLiant servers in both Enterprise and Cluster environments. HP Insight Control for Linux features the best of open source and HP technologies and is integrated with HP Systems Insight Manager (HP SIM) software to provide discovery, imaging & provisioning, rapid deployment, health & performance management, remote management, virtualization, and power management. Open source software, such as Nagios® and XEN®, are fully integrated and auto-configured for immediate user productivity. Full lifecycle management is complemented by multi-system scaling, thermal & power management, and direct-to-the-hardware control. And HP Insight Control for Linux is backed by HP's Linux expertise and global HP Support.

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

- Deploy servers quickly - with firmware updates
- Proactively manage server health and performance
- Control your servers from anywhere
- Optimize power confidently
- Integrate & extend your environment

For Linux customers in business-important environments, HP Insight Control for Linux (IC-Linux) manages multi-system Linux environments of industry-standard x86 servers – including HP ProLiant blade-, rack-, tower-, and scalable servers (i.e. BL-, DL-, ML, and SL-series servers). HP Insight Control for Linux (IC-Linux) brings the full expertise of HP's management investments from UNIX and Windows to the Linux environment, while providing flexibility and productivity to meet a variety of unique infrastructure needs.

HP Insight Control suite for Linux 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.

A license entitlement certificate is delivered in place of a license activation key. The license entitlement certificate will contain information needed to redeem the license activation key(s) online or via fax. This new electronic redemption process will allow for easier license management and better service and support tracking. For more information, please visit: http://www.hp.com/go/ice-license.

Overview

What's New

HP Insight Control for Linux (IC-Linux) release 2.11 is an update to release 2.10, with combined new capabilities:

- "Linux-managed Reference Platforms" provide Linux management (using HP IC-Linux) of Red Hat Enterprise Linux OS (RHEL Advanced Platform) simplified with high availability, virtualization, and full HP Support – for Linux users with business-critical applications. Available with HP Support coverage of 24x7 or 9x5 for 1-year or 3-years.
- Virtualization management for host & guest environments using XEN® (open source hypervisor, typically found in Linux distributions) through HP Insight Virtual Machine Manager software,
- Multi-system scaling to hundreds of nodes,
- Integrated firmware update capabilities with support for operations in large environment s and with classes of servers,
- Deployment performance improvement of 40% using the standard deployment mode
- New parallelized ('avalanche') deployment mode for scaling productivity in large environments,
- Performance management for at-a-glance assessments across multiple systems using a wide variety of performance metrics.
- Scaling of health monitoring for enhanced performance in large environments
- HP Integrated Lights-Out 2 (iLO2) Advanced software for secure lights-out remote access and server control,
- Dynamic power capping for improved thermal & power management thru HP Insight Power Manager,
- Virtualization capabilities for 32-bit emulation mode running on 64-bit SLES and/or RHEL
- Support for updated Linux distributions, including Red Hat's RHEL 5 Update 3 and Novell's SLES 11 releases. Also tested with CentOS v5.3 (64-bit).
- Support for user choice of SNMP, WBEM, or open source agents,
- Support for HP ProLiant BladeSystems (c7000, c3000, p-Class), Rack servers (DL785, DL500s, DL300s, DL180s, DL160s, DL1000 multi-node), Tower servers (ML300s), and HP ProLiant Scalable servers (SL series). Supports IPMI-based rack servers.
- Tracking License supporting multi-year sales of HP ProLiant servers for large customers.

"Linux-managed Reference Platforms" (with RHEL AP & HP Insight Control for Linux) are new capabilities that combine Red Hat Enterprise Linux (RHEL Advanced Platform) and HP Insight Control for Linux (IC-Linux) management with global HP Support. Red Hat's RHEL on HP ProLiant & BladeSystem servers is the leading low-cost, high-performance alternative to expensive legacy infrastructure. When RHEL is combined with HP management technology and HP support on ProLiant servers, these "Linux-managed Reference Platforms" provide a simplified single-source-of-support for server, OS, and management with high availability and virtualization – with better value, better technology, better management, and better service for Linux users in business-critical environments.

At A Glance

HP Insight Control for Linux (IC-Linux) is an integrated management solution for industry-standard x86 servers running Linux. This suite has extensible toolsets for administrator productivity in both Enterprise and Cluster environments with the following functionality:

- HP Systems Insight Manager software (on Linux)
- Server deployment (with integrated firmware updates)
- Health management
- Performance management
- Remote management
- Virtual machine management
- Power management
- HP Software Technical Support and Update Service (24 x 7) for one year
  HP Insight Control for Linux includes an installer to assist with installation of the integrated component capabilities.

HP Insight Control for Linux does not include a Linux operating system. Customers can choose from HP-supported RHEL or SLES distributions, or select community-supported Linux operating systems from the wider community. ("Linux-managed Reference Platforms" provide combined Linux OS & management solutions with HP support.)

Overview

With the order of HP Insight Control for Linux, a license entitlement certificate is delivered in place of a license activation key. The license entitlement certificate will contain information needed to redeem the license activation key(s) online or via fax. This electronic redemption process allows for easier license management and better service and support tracking. For more information, please visit: http://www.hp.com/go/ice-license.

Models

HP Insight Control for Linux

Licensing Options	HP Insight Control for Linux, Media pack (DVD) - No licenses included	464422-B22

NOTE: This optional Media pack DVD contains the ISO image for HP Insight Control suite for Linux, HP Systems Insight Manager, HP Insight Power Manager, HP Virtual Machine Manager, and an integrated installer. Servers must be acquired separately.
NOTE: This Media pack is optional because the latest ISO image and latest updates may be downloaded at no cost from: http://www.hp.com/go/ice-linux (click on Download button).

HP Insight Control for Linux, No Media, 1-Server license, including one year of 24x7 Technical Support and Updates   464423-B22
NOTE: This part number can be used to purchase one (1) license with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.
NOTE: One certificate is shipped for each license.

HP Insight Control for Linux, No Media, Flexible-Quantity-Server license, including one year of 24x7 Technical Support and Updates   464425-B22
NOTE: This part number can be used to purchase multiple licenses with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.
NOTE: Only one certificate is shipped for multiple-quantity licenses.

HP Insight Control for Linux, 8-Server license, including one year of 24x7 Technical Support and Updates, FIO   464429-B22
NOTE: This part number can be used to purchase eight (8) server blade licenses with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service. For Factory Integration only.
NOTE: Orderable only with c-Class blade enclosure (c3000 or c7000).

HP Insight Control for Linux, 16-Server license, including one year of 24x7 Technical Support and Updates, FIO   464432-B22
NOTE: This part number can be used to purchase sixteen (16) server blade licenses with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service. For Factory Integration only.
NOTE: Orderable only with c-Class blade enclosure (c7000).

Overview

HP Insight Control for Linux, No Media, Tracking License including 1 year of 24x7 Technical Support and Updates	535528-B21

NOTE: For use with signed and implemented Activation Key Agreements (AKA) only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement. Includes one year of 24 x 7 HP Software Technical Support and Update Service. No physical components or license keys are delivered in conjunction with the purchase of this part number. For more information on Activation Key Agreements please visit:

http://h18004.www1.hp.com/products/servers/proliantessentials/license/akalic.html

HP Insight Control for Linux, 1-server license, including one year of 24x7 Technical Support and Updates, Electronic	T9084BAE

NOTE: This part number can be purchased as a single license or as multiple licenses with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxxx-B22) instead.

HP Linux-managed Reference Platforms (RHEL Advanced Platform & HP Insight Control for Linux with HP Support)

RHEL Advanced Platform and HP Insight Control for Linux,1-server Entitlement, No Media, 24x7 Support 1-year	TC206A
RHEL Advanced Platform and HP Insight Control for Linux, 1-server Entitlement, No Media, 24x7 Support 3-year	TC207A
RHEL Advanced Platform and HP Insight Control for Linux, 1-server Entitlement, No Media, 9x5 Support 1-year	TC279A
RHEL Advanced Platform and HP Insight Control for Linux, 1-server Entitlement, No Media, 9x5 Support 3-year	TC280A

QuickSpecs

Standard Features

Simplified Licensing

Delivered on a single DVD for simplified installation and licensing, HP Insight Control for Linux (IC-Linux) contains HP SIM and key Insight software that provide total control, maximum flexibility and tangible savings from your investment in HP ProLiant and HP BladeSystem infrastructure.

HP Insight Control for Linux provides all necessary activation keys for licensing Deployment, Monitoring, Lifecycle management, HP Insight Virtual Machine Manager, HP Insight Power Manager, and HP iLO2 Advanced software.

Easy-to-Use Installer

HP Insight Control for Linux provides a simple, easy-to-use installer which installs HP Systems Insight Manager (HP SIM) software and all necessary plug-ins to support operating system deployment and advanced management and monitoring. The installer will gather configuration data and subsequently install all of the necessary components in one easy step.

Integrated Infrastructure management

HP Insight Control suite for Linux (HP IC-Linux), integrated with the HP Systems Insight Manager (HP SIM) software platform running on a Linux distribution, provides a unified, secure and extensible platform to centrally manage servers, storage and other infrastructure devices in a Linux multi-server environment.

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

HP IC-Linux provides flexibility to monitor, manage, and deploy software to various types of managed systems:

- Systems that are new (i.e. 'bare metal')- the systems do not have an operating system installed and are not known to HP SIM,
- Systems that have a Linux operating system installed but are not known to HP SIM, and
- Systems that have a supported Linux operating system installed and are known to HP SIM.

Insight Control remote management

HP Insight Control for Linux (IC-Linux) uses HP Integrated Lights-Out 2 (iLO2) Advanced software to provide remote access and server control from a distance. Comprehensive, cost-effective Lights-Out management upgrades are provided for ProLiant servers that are managed using the iLO2 Standard remote consoles. HP Integrated Lights-Out 2 Advanced complements standard iLO2 capabilities with additional features that enable full remote control and remote access of your ProLiant servers in routine and emergency situations. HP Integrated Lights-Out 2 Advanced also includes remote console collaboration and replay of BIOS and POST (pre-OS) screens, enterprise security, virtual media and virtual folders, and power management functionality.

QuickSpecs

Standard Features

Insight Control power management

HP Insight Control for Linux (HP IC-Linux) delivers precise power and thermal measurement and reporting for HP ProLiant ML/DL 300 and 500 series and HP ProLiant BladeSystem Infrastructure. Power capping functionality complements existing power regulation technology by allowing customers to limit power usage at a particular wattage or at a percentage of a server's maximum power rating. New Dynamic Power Capping capabilities increase the number of servers that can be deployed per circuit by as much as 36%. Dynamic Power Capping for single servers allows you to safely reclaim unused power and cooling capacity by limiting power usage without risk of performance degradation or circuit over-subscription. In BladeSystem enclosures the power budget can be dynamically shared across multiple ProLiant BL servers for additional savings. Power management alerts help you optimize Dynamic Power Capping settings by informing you when power caps have been reached at the server or enclosure level. These capabilities ensure that data center staff and IT managers have the information they need to optimize server density within existing power and cooling constraints and to ensure efficient use of power resources.

The HP Insight Power Manager software is supported on a select group of ProLiant servers that ship with the iLO2 management processor. For more information on supported servers, please reference the HP Insight Power Manager Quick Specs at:
http://h18000.www1.hp.com/products/quickspecs/12623_div/12623_div.html

NOTE: The power management capability will not function for HP ProLiant DL 785 G5 servers.

Insight Control health & performance management

HP Insight Control for Linux integrates an advanced set of health and performance management tools for controlling issues in your business-important x86 infrastructure. Extensive capabilities –which provide status, events, histories, thresholds, graphs, notifications, alerts, and reporting– are designed to scale for large environments. Effectiveness of virtualized environments can be evaluated together with physical systems for an integrated perspective. Performance dashboards provide 'at-a-glance' performance assessments across all systems (physical & virtual) in large environments from a wide variety of metrics. …And these management capabilities are flexible to allow user customization and extended capabilities for ultimate control over your environment.

Key health and performance management features include:

- Thresholds can be set by the user to generate integrated alerts for proactive notifications
- Alerts are forwarded into HP SIM and can be used in enterprise management systems (e.g. HP Openview).
- Integrated syslog of events assists issue tracking and problem resolution
- Graphing capabilities allow flexible analysis of issues across systems and time periods
- Integrates commonly-used open source technologies (e.g. Nagios®, syslog, supermon, etc.) with HP technologies for advanced health management. All capabilities are integrated, and user configuration scripts are auto-generated for immediate user productivity.
- Use industry-common Nagios® plug-ins to customize your control over your systems and extend your environment. Auto-generated user configuration scripts are also user-accessible for further customization.
- Operation allows the user to choose the agents for implementation. When using the recommended minimum set of agents, the performance impact is much less than 1% on system usage, enabling maximum 'performance-on-the-problem'.
- Out-of-band metrics collection with an efficient metrics repository provides over 100 standard metrics for graphing and performance viewing to understand issues. Metrics can also be user-customized.

Standard Features

- 'At-a-glance' performance across multiple nodes is displayed using multiple standard metrics or user-customized metrics. Displays performance for virtual and physical systems/nodes across large infrastructures
- Full information access is available using customizable graphical (GUI) displays or via command line interface (CLI).
- Management of non-HP x86 servers is also possible

Insight Control server deployment

HP Insight Control for Linux delivers an integrated deployment solution for HP ProLiant servers to improve productivity of system administrators in multi-system Linux environments. Insight Control server deployment enables scalable management to meet a wide variety of needs:

- Bare-metal system discovery,
- Linux operating system installations,
- Image and script-based (KickStart, AutoYAST) installations,
- Captured images,
- Agents,
- Firmware updates,
- Virtual machine hosts,
- Custom scripts.

A user-controlled software repository provides flexible control over content, with scheduling and customizations determined by the user.

Productivity can be enhanced by using a one-to-many deployment mode or an 'avalanche' deployment mode for parallelized implementation in large environments. The user can also apply management actions to classes of servers for better utilization. (For example, firmware updates can be deployed using either of these modes to establish a group of servers at a specific revision level.) These capabilities scale the deployment and provisioning options for large environments.

HP Insight Control for Linux supports deployments across the variety of HP BladeSystems and HP ProLiant servers, including IPMI-based DL160 & DL180 (rack) servers, DL10000 Multi-node servers, and Scalable (SL series) servers. The integration of these deployment capabilities with HP Systems Insight Manager software provides for efficient registration and management for Linux multi-system environments.

Integrated Firmware Updates

Users of HP Insight Control for Linux can accelerate their version control processes using integrated system firmware update capabilities. HP Insight Control for Linux integrates HP system Update Manager (HPSUM) technology to enhance administrator productivity when dealing with firmware issues. Firmware updates can be deployed using the integrated server deployment tools, such as the parallelized deployment ('avalanche') processes which scale for use in large environments. When combined with update services for Linux operating systems, these capabilities form a solid foundation for effective version control in Linux environments.

Standard Features

Insight Control virtual machine management	HP Insight Control for Linux (IC-Linux) includes HP Insight Control virtual machine management software for unified management and control of virtual environments. This affordable virtualization is based on XEN®, the open source hypervisor which is already provided with many Linux distributions. Capabilities include association of virtual machines with their physical hosts in HP SIM; monitoring performance of virtual machines and host servers; virtual machine control functions (e.g. start, stop, pause, suspend), and virtual machine recovery functions (e.g. copy, move). With unified management of physical and virtual resources, systems administrators now have the ability extend existing processes to the management of their virtualized infrastructure while leveraging best-in-class technology for deployment, monitoring, and control.
Warranty	HP will replace defective delivery media for a period of 90 days following the date of purchase.
Software Support	HP offers a number of software support services, many of which are provided to our customers at no additional charge.

Software Technical Support and Update Service - Insight Control for Linux and select Insight software products include one year of 24 x 7 HP Software Technical Support and Update Service. This service provides access to HP technical resources for assistance in resolving software implementation or operations problems. The service also provides access to software updates and reference manuals either in electronic form or on physical media as they are made available from HP. With this service, Insight Control and Insight 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.

Registration for Software Technical Support and Update Service:
After HP processes your support registration, you will receive a Service Agreement Identifier (SAID). You will need your SAID when calling for technical support. You will also need your 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 Insight 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 (http://www.hp.com/servers/manage/security)
HP is proactive in its approach to the quality and security of all its management software. Be sure to check this website often for the latest down loadable 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.

Standard Features

HP Worldwide Customer Service contact numbers are available at
http://www.hp.com/country/us/en/wwcontact.html.

Customer Usage Scenarios

Usage Scenario 1   Linux-centric organizations managing complex growing environments with a variety of open source tools and utilities.

- Realize immediate productivity gains using an integrated suite of management tools, designed for Linux users to control Linux infrastructures of industry-standard x86 servers.
- Perform effective lifecycle management using robust Linux toolsets for discovery, rapid deployment, imaging & provisioning, firmware updates, health & performance management, virtualization, remote management, and power management.
- Remove guesswork from your infrastructure – managing health using integrated & auto-configured Nagios® and managing performance using customizable tools designed to control large environments. Customize & extend your management capabilities using your own Nagios® plug-ins and using thresholds & alerts to inform an enterprise management system.
- Manage power and save resources using Dynamic Power Capping in HP's industry-leading power management solution.

Usage Scenario 2   Teams, workgroups, and departments that flexibly manage clusters to enhance their output.

- Manage performance of clusters of servers, using the architected 'avalanche' mode for deployment and tiered management hubs for monitoring.
- Work 'at scale' in large-node environments using distributed Linux management of server groups & classes that allows for cloning of user-created images, remote deployment of OS and images, pre-defined management hub configurations, and integrated system firmware updates.
- Integrate health and performance management for large environments, including at-a-glance performance assessment from a wide variety of metrics across a large number of systems. Customization is supported by custom metrics and user extensions.
- Maximize performance-on-the-problem using lightweight out-of-band metrics collection (<<1% system usage) without compromising environment control.

Standard Features

Usage Scenario 3   Large organizations needing productivity to manage business-critical applications on Linux.

- Control your infrastructure using a tightly-integrated suite of core system management tools – including capabilities to discover, deploy, image & provision, monitor, virtualize, and remotely manage industry-standard servers. Integrate health & performance management in your IT infrastructure, and set thresholds for sending alerts to your enterprise management systems.
- Scale deployment & provisioning with capabilities from bare metal discovery to firmware updates to performance provisioning modes – with flexibility for scheduling and customization.
- Manage power to maximize resource utilization under environmental constraints, and grow your management technologies on the stable base of the HP Systems Insight Manager. Beyond capabilities like role-based access and reporting, HP integrates advanced technologies from HP's experience with UNIX, Windows, and open source.
- Stabilize on "Linux-Managed Reference Platforms" for Linux OS and Linux management in a simplified solution with high availability, virtualization, and a single point of support through HP global services.

Complementary Product Solutions

- "Linux-managed Reference Platforms" (with RHEL AP & HP Insight Control for Linux) provide Linux users with solutions for business-critical environments. Bundled capabilities offer better value, better technology, better management, and better service for discerning Linux users. "Linux-managed Reference Platforms" include combinations of Red Hat Enterprise Linux (RHEL Advanced Platform) and HP Insight Control for Linux (IC-Linux) management suite with global HP Support. Red Hat's RHEL on HP ProLiant & BladeSystem servers is the leading low-cost high-performance alternative to expensive legacy infrastructure. These bundled "Linux-managed Reference Platforms" provide the Linux OS and Linux management with high availability and virtualization, all covered by global HP Support. HP provides a simplified single source of support for server, OS, and management for the Linux user.

Hardware Support

HP Server Hardware Platforms

HP Insight Control for Linux (HP IC-Linux) supports management of HP ProLiant c-Class server blades (c3000 and c7000), HP ProLiant DL Series servers (including IPMI-servers like DL160s and DL180s, DL1000 multi-node), HP ProLiant ML300 Series servers, and HP ProLiant Scalable SL series servers. [HP ProLiant p-Class BladeSystems servers are also supported for customers upgrading from the previous software product (HP ICLE).] Customers are encouraged to consult the HP Insight Control for Linux Support Matrix or individual QuickSpecs for the products listed in the "Included Products" section for specifics on platform support.

The HP SIM Central Management Server (CMS) is the server on which HP SIM and the IC-Linux software is installed. The server hardware hosting HP IC-Linux must meet the following minimum requirements…

Component	Specification
Server	HP ProLiant c-Class blade server, p-Class blade server, DL series server, or SL series server. All of these servers have processor architectures of x86, AMD64, or EM64T. For specific model numbers and firmware requirements, see the HP ICE-Linux v2.11 Support Matrix.
Memory	At least 4 GB RAM Recommended: Add 2 GB for every additional 32 nodes
Processor	At least 2.0 GHz (single processor) or higher Recommended: Add one processor for every additional 100 nodes monitored.
Disk Space	At least 15 GB Recommended: 5 GB for Insight Control management software and 10 GB for additional data.

Standard Features

DVD drive	Local or mapped DVD drive required

Software Support

Customers are encouraged to consult the Support Matrix for HP Insight Control for Linux for specifics on operating system support for managed systems.

HP software support is available for operating systems on managed systems with the latest versions of Red Hat Enterprise Linux (RHEL 4 Updates 6 & 7; and RHEL 5 Updates 1 & 2) and Novell's SUSE Linux Enterprise Server (SLES 9 SP 3 & 4; and SLES 10 SP 1 & 2). Managed systems can run other community-supported operating systems (like Debian GNU/Linux, CentOS, Ubuntu, Asianux, etc.), but constraints may apply. See http://www.hp.com/go/ice-linux.

NOTE: The HP Virtual Machine Manager (VMM) software supports only RHEL 5 Update 2 and SLES 10 SP2.

The HP SIM Central Management Server (CMS) is the server on which HP SIM and the IC-Linux software is installed. HP SIM v5.3 is bundled with the HP IC-Linux media and does not have to be pre-installed on the CMS. The server software hosting HP ICE-Linux must meet the following minimum requirements…

Component	Specification
Operating System	Red Hat Enterprise Linux (RHEL) 5 Update 3 (Server Edition) Red Hat Enterprise Linux (RHEL) 5 Update 2 (Server Edition) Red Hat Enterprise Linux (RHEL) 4 Update 7 (AS/ES) Red Hat Enterprise Linux (RHEL) 4 Update 6 (AS/ES) SUSE Enterprise Linux Server (SLES) 11 SUSE Enterprise Linux Server (SLES) 10 Service Pack 2 SUSE Enterprise Linux Server (SLES) 10 Service Pack 1
File System	ext2, ext3 ReiserFS Logical Volume Manager (LVM)
Services	SNMP TCP/IP, with DNS properly installed so that system names can be resolved to IP addresses
Other Software	Mozilla Firefox 3.0.1 or 2.0.0.16 -or- Microsoft Internet Explorer 6 SP2 or 7 Adobe® Acrobat® Reader

Other product information Additional product materials are available from the HP Insight Control for Linux web pages at:
http://www.hp.com/go/ice-linux

Related Options

Service and Support Offerings (HP Care Pack Services)	HP Installation and Startup Service for HP Insight Control for Linux	UF372E
	HP Insight Control for Linux. 3 year 24x7 Unlimited Software Support for 1 server, including technical support and Software updates NOTE: Point-of-sale purchase to increase 1-server support coverage from 1-year to a total of 3-years.	UK128E
	HP Insight Control for Linux. 4 year 24x7 Unlimited Software Support for 1 server, including technical support and Software updates NOTE: Point-of-sale purchase to increase 1-server support coverage from 1-year to a total of 4-years.	UK129E
	HP Insight Control for Linux. 5 year 24x7 Unlimited Software Support for 1 server, including technical support and Software updates NOTE: Point-of-sale purchase to increase 1-server support coverage from 1-year to a total of 5-years.	UK130E
	HP Insight Control for Linux, 3 year, 24x7 Unlimited Software Support for 8 servers, including technical support and Software updates NOTE: Point-of-sale purchase to increase 8-server support coverage from 1-year to a total of 3-years.	UK131E
	HP Insight Control for Linux, 4 year, 24x7 Unlimited Software Support for 8 servers, including technical support and Software updates NOTE: Point-of-sale purchase to increase 8-server support coverage from 1-year to a total of 4-years.	UK132E
	HP Insight Control for Linux, 5 year, 24x7 Unlimited Software Support for 8-servers, including technical support and Software updates NOTE: Point-of-sale purchase to increase 8-server support coverage from 1-year to a total of 5-years.	UK133E
	HP Insight Control for Linux, 3 year, 24x7 Unlimited Software Support for 16 servers, including technical support and Software updates NOTE: Point-of-sale purchase to increase 16-server support coverage from 1-year to a total of 3-years.	UK134E
	HP Insight Control for Linux, 4 year, 24x7 Unlimited Software Support for 16 servers, including technical support and Software updates NOTE: Point-of-sale purchase to increase 16-server support coverage from 1-year to a total of 4-years.	UK135E
	HP Insight Control for Linux, 5 year, 24x7 Unlimited Software Support for 16 servers, including technical support and Software updates NOTE: Point-of-sale purchase to increase 16-server support coverage from 1-year to a total of 5-years. NOTE: For more information, customer/resellers can contact: http://www.hp.com/hps/carepack/services/	UK136E

Related Options

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.