



# HP Intelligent Management Center Enterprise Software Platform



## Key features

- Highly flexible, scalable deployment models
- Powerful administration control
- Rich resource management
- Detailed performance monitoring and management
- Flexible centralized reporting

Analyzer software are included with IMC Enterprise software, as is the IMC eAPI Library.

## Product overview

The HP Intelligent Management Center (IMC) Enterprise Software Platform is a standalone, comprehensive management solution that delivers next-generation, integrated modular network management capabilities that efficiently meet the needs of advanced heterogeneous enterprise networks.

IMC Enterprise software is designed on a service-oriented architecture (SOA) using a business application flow model as its core and featuring an on-demand, modularized structure. This design enables you to efficiently implement end-to-end business management, while the software's modularity allows you to effectively integrate traditionally separate management tools. Together, they provide complete management of resources, services, and users.

The software is compatible with Microsoft® Windows® Server as well as Red Hat Linux, and supports the management of HP and third-party devices. The base license supports 50 managed devices; additional node licenses can be purchased. Five nodes of IMC Network Traffic

# Features and benefits

## Management

- **Highly flexible and scalable deployment models**

IMC Enterprise software delivers an extensive set of capabilities for managing large networks, and supplies a greater level of scalability and high availability through a flexible distributed deployment model than is the case with IMC Standard software deployments; IMC software can be deployed across multiple servers in a hierarchical architecture to provide increased scalability and resilience

- **Intelligent management**

cohesively integrates fault management, element configuration, and network monitoring from a central vantage point; with support for third-party devices, IMC software enables network administrators to centrally manage all network elements with a variety of automated tasks: discovery, categorization, baseline configurations and software images, and others; IMC software provides configuration compare tools, version tracking, change alerts, and more

- **Modular architecture**

optional modules can be added to enrich network management capabilities; modules for user access management, VPN management, and traffic analysis can be quickly added and provide instant benefits; the architecture allows modules to share information and provide collaborative policy creation and reports

- **eAPI library and third-party applications**

the IMC eAPI library utilizes a RESTful implementation for simplified integration with HP and third-party applications; more than 200 eAPI calls are available in the library, which is included with IMC Enterprise software

- **Live update enhancements**

IMC Enterprise software now provides notification and download availability of the latest IMC patches as well as new firmware version releases for HP devices

- **NEW Virtualization management**

- HP IMC software is one of the first management tools to integrate management and monitoring of both virtual and physical networks
- provides insight and management of virtual networks and reduces migration complexity by aligning and automating network policies with virtual images
- supports VMware, Hyper-V, and KVM; IMC Virtual Network Management software also supports automatic tracking of the network access port of virtual machines

- **NEW Rich resource management**

IMC software provides powerful network discovery and topology, including a detailed inventory of the network and highly accurate depictions of how it is configured; supported views include Layers 2 and 3, as well as VLAN topology and the ability to create custom views like dashboard homepage; customization enables administrators to organize and control the network infrastructure; supports multidevice context and Intelligent Resilient Framework

- **Flexible, centralized reporting**

centralized report management simplifies an organization's report administration; flexible historical reports provide the information necessary for network trend analysis and capacity planning, and offer predefined reports or customization options to define parameters; reports can be viewed in a number of formats, including .pdf and .xls, and can be sent automatically via email, or can be scheduled to run at a set timeframe

- **Access control list management**

IMC software simplifies the definition, deployment, and control of ACLs with effective policy-based control of network security and quality of service (QoS) across an organization's network infrastructure; ACL rule optimization provides efficient use of ACL resources on devices

- **Identification and access management**

the system implements unified and centralized management for access, supporting access through authentications, including LAN, WAN, WLAN, and VPN; it supports strong authentication using smart card, certificate, and others, and supports various methods of endpoint access control and identity-based network services that efficiently integrate the management of user resources and services

- **Compliance Center feature**

associates compliance policies with devices that need to be checked; the compliance check function can promptly fix configuration and security problems in the network; if incorrect configurations are found, the data for the specific device and the configuration error are included in the Compliance Center report; IMC now includes predefined policies for the Compliance Center as well as alarm generation when devices fail compliance checks

- **Virtual Connect support**

IMC software supports add/remove connections for Virtual Connect Manager and displays the connect information from the device detail page

- **IMC mobile application**

IMC software provides a new mobile application for the iPhone and Android operating systems; provides administrators with the flexibility to monitor the network while they are away from their offices

- **Extensible platform and module services**

IMC software has an open platform to support a service-oriented architecture (SOA); features within the software can be integrated with third-party software, utilizing the available APIs

- **Telnet/SSH proxy**

with the Telnet/SSH proxy, an administrator can use a browser to remotely access and manage devices through Telnet/SSH without installing a Telnet/SSH tool on the PC client used to access the device; this promotes secure and controlled access to devices while providing auditing of changes on any device

- Unified Task Management and Wizard Center**  
 the IMC Wizard Center feature services many of the configuration wizards found within IMC software, such as quick start and the third-party device configuration wizard; new to this release is Unified Task Management, which is a section that hosts all tasks within IMC software
- Traffic topology**  
 based on the network's physical topology, it enables users to view the traffic conditions of various links; utilizes IMC geolocation data to automatically derive and place topographic maps
- Customized functions and third-party device support**  
 IMC Enterprise software extends device management and configuration functions; users can either extend an existing function to support third-party devices by compiling interactive scripts and XML files, or customize a function by compiling interactive scripts, XML files, and UI configuration files
- Performance enhancement**  
 IMC software provides new ways to view performance data: TopN, trend analysis, summary data, and at a glance; the GUI is flexible and allows for instant viewing, switching between multiple views, and quick access to the various performance summary views
- Security Control Center**  
 the Security Control Center (SCC) can be used to define policies and enforce device settings consistently on selected devices; you can also use policies to manage VLANs and VLAN port settings or automatically apply a configuration template on newly discovered devices; you can configure policies to send alarms when device configurations become noncompliant
- Network data collection**  
 generates, packages, and sends archived information about your network, device, or IMC software to the appropriate HP support or sales organizations in one simple step; this feature gathers the data you selected and generates reports and data files containing the relevant information; it delivers the reports to your selected destination, either by email, FTP, SFTP, or to a file location
- Service Monitor**  
 monitors the availability and responsiveness of common network services via probes that you configure; the probes reside on local and remote IMC software agents and test services from servers and devices that you select when configuring the probes

## Warranty and support

- Electronic and telephone support**  
 limited electronic and business-hours telephone support is available from HP for the entire warranty period; to reach our support centers, refer to [www.hp.com/networking/contact-support](http://www.hp.com/networking/contact-support); for details on the duration of support provided with your product purchase, refer to [www.hp.com/networking/warrantysummary](http://www.hp.com/networking/warrantysummary)
- Software releases**  
 to find software for your product, refer to [www.hp.com/networking/support](http://www.hp.com/networking/support); for details on the software releases available with your product purchase, refer to [www.hp.com/networking/warrantysummary](http://www.hp.com/networking/warrantysummary)

# HP Intelligent Management Center Enterprise Software Platform

## Specifications




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### HP IMC Enterprise Software Platform with 50-node E-LTU (JG748AAE)

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Minimum system hardware	<p>Running environment requirement: client/server architecture; server requirement</p> <p>Intel® Pentium® 4 3.0 GHz processor            4 GB RAM memory            50 GB storage            10/100 Mbps NIC            48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card</p>
Recommended system hardware	<p>3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor            4 GB RAM memory            100 GB storage            10/100 Mbps NIC            48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card</p>
Recommended software	<p>Windows® Server 2003 with Service Pack 2            Windows® Server 2003 X64 with Service Pack 2 and KB942288            Windows® Server 2003 R2 with Service Pack 2            Windows® Server 2003 R2 X64 with Service Pack 2 with KB942288            Windows® Server 2008 with Service Pack 2            Windows® Server 2008 X64 with Service Pack 2            Windows® Server 2008 R2 with Service Pack 1            Windows® Server 2008 R2 X64 with Service Pack 1            Red Hat Enterprise Linux 5            Red Hat Enterprise Linux 5 X64            Red Hat Enterprise Linux 5.5            Red Hat Enterprise Linux 5.5 X64            Red Hat Enterprise Linux 6.1 X64            Windows Server 2012 X64 with KB2836988            Red Hat Enterprise Linux 5.9            Red Hat Enterprise Linux 5.9 X64            Red Hat Enterprise Linux 6.4 x64</p>
Minimum system hardware	<p>Client requirement</p> <p>Intel® Pentium® 4 2.0 GHz processor            2 GB RAM memory            50 GB storage            10/100 Mbps NIC            48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card</p>
Recommended system hardware	<p>2.0 GHz Intel® Pentium® III or equivalent processor            2 GB RAM memory            50 GB storage            10/100 Mbps NIC            48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card</p>
Recommended software	<p>Microsoft® Windows® XP</p>
Browsers	<p>Firefox 3.6 or later is recommended            Internet Explorer 8.0 or later is recommended</p>
Additional requirements	<p>Database: Microsoft SQL Server 2005 Service Pack 3 (Windows only), Microsoft SQL Server 2008 Service Pack 3 (Windows only), Microsoft SQL Server 2008 Service Pack 3 (64-bit—Windows 64-bit only), Microsoft SQL Server 2008 R2 Service Pack 1 (Windows only), Microsoft SQL Server 2008 R2 Service Pack 1 (64-bit—Windows only), Oracle 11g Release 1 (Linux only), Oracle 11g Release 2 (Linux only), Oracle 11g Release 2 (64-bit—Linux only), MySQL Enterprise Server 5.1 (Linux and Windows—up to 1,000 devices supported), and MySQL Enterprise Server 5.5 (Linux and Windows—up to 1,000 devices supported)</p>
Notes	<p>For fewer than 500 nodes, 1 CPU is sufficient; from 500 to 2,000 nodes, there should be 2 CPUs or 1 dual-core CPU; for more than 2,000 nodes, there should be 4 CPUs or 2 dual-core CPUs. For more than 5,000 nodes, a hierarchy architecture is needed.</p>
Services	<p>3-Year, 9x5 SW phone support, software updates (UV760E)            3-year, 24x7 SW phone support, software updates (UV761E)</p> <p>Refer to the HP website at <a href="http://www.hp.com/networking/services">www.hp.com/networking/services</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.</p>

## HP Intelligent Management Center Enterprise Software Platform accessories

### License

HP IMC Standard and Enterprise Additional 50-node E-LTU (JG749AAE)

HP IMC Network Traffic Analyzer Software Module Additional 5-node E-LTU (JG751AAE)

### Software

HP IMC Intelligent Analysis Reporter Software E-LTU (JG138AAE)

HP IMC Service Health Manager Software Module E-LTU (JG398AAE)

HP IMC Remote Site Manager Software Module License with E-LTU (JG495AAE)

HP IMC Endpoint Admission Defense Software Module 50-user E-LTU (JG754AAE)

HP IMC User Access Manager Software Module with 50-user E-LTU (JG752AAE)

HP IMC TACACS+ Authentication Manager Software Module with 50-node E-LTU (JG764AAE)

HP IMC Extended API E-LTU (JG399AAE)

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### To learn more, visit [hp.com/networking](http://hp.com/networking)

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