HP Intelligent Management Center Enterprise Software Platform

Product overview
HP Intelligent Management Center (IMC) Enterprise Edition is a standalone, comprehensive management platform that delivers next-generation, integrated, modular network management capabilities that efficiently meet the needs of advanced, heterogeneous enterprise networks. IMC Enterprise Edition 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 allows the efficient implementation of end-to-end business management, while IMC software’s modular design allows for the effective integration of traditionally separate management tools. Together, they provide complete management of resources, services, and users. The software is compatible with Microsoft® Windows® Server and supports the management of HP and third-party devices. The base license supports 200 managed devices. Additional node licenses can be purchased. Two nodes of Network Traffic Analyzer are also included.

Key features
- Highly flexible, scalable deployment models
- Powerful administration control
- Rich resource management
- Detailed performance monitoring and management
Features and benefits

Management

- **Highly flexible and scalable deployment models**
  IMC Enterprise Edition delivers an extensive set of capabilities for managing large-sized networks and supplies a greater level of scalability and high availability through a flexible distributed deployment model than is the case with IMC Standard Edition deployments; IMC software can be deployed across multiple servers as hierarchy 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**
  New 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.

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

- **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 based on their preferred organizational model.

- **Flexible, centralized reporting**
  Centralized report management simplifies an organization’s report administration; IMC software’s 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 be scheduled to run on 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.

- **Endpoint Admission Defense (EAD)**
  With additional modules, IMC software can be used to analyze a network endpoint’s security status to locate security threats, detect security events, and carry out protective measures to reduce network vulnerabilities; EAD can determine endpoint patch level, ARP attack, and installation and operation of illegal software; to help ensure network integrity, administrators can choose enforcement policies and remediation options appropriate to endpoints.

- **MPLS VPN Manager**
  With an additional module, the system can also handle MPLS VPN services, including deployment, monitoring, and auditing; this provides users with end-to-end business flow management.
• **NEW Compliance Center**
  Compliance Center 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 along with the configuration error is included in the Compliance Center report.

• **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; this allows administrators mobility by allowing them to monitor the network while away from their offices.

• **Extensible platform and module services**
  IMC software has an open platform to support a service-oriented architecture (SOA); features within IMC 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 is a section that services many of the configuration wizards found within IMC, 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.

• **Traffic topology**
  The traffic topology is based on the network's physical topology and enables users to view the traffic conditions of various links.

• **Customized functions and third-party device support**
  IMC basic network management platform 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.

• **NEW Performance Enhancement (New GUI)**
  - The new four performance view: TopN, Trend analysis, Summary data, At a Glance
  - IMC provides new ways to view performance data
    The new GUI is flexible and allows for instant viewing, switching between multiple views, and quick access to the various performance summary views.

• **NEW Security Control Center**
  The new 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. And, you can configure policies to send alarms when device configurations become noncompliant.

• **NEW Network Data Collection**
  The Network Data Collection generates, packages, and sends archived information about your network, device or IMC system to the appropriate HP Networking support or sales organizations in one simple step. This feature gathers the data you selected and then generates reports and data files containing the relevant information. Finally, it delivers the reports to your selected destination, either by email, FTP, SFTP or to a file location.

• **NEW Service Monitor**
  Use Service Monitor to monitor the availability and responsiveness of common network services via probes that you configure. The probes reside on local and remote IMC Agents and test services from servers and devices that you select when configuring the probes.

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**Warranty and support**

• **Electronic and telephone support**
  Limited electronic and telephone support is available from HP; to reach our support centers, refer to [hp.com/networking/contact-support](http://hp.com/networking/contact-support); for details on the duration of support provided with your product purchase, refer to [hp.com/networking/warrantysummary](http://hp.com/networking/warrantysummary).

• **Software releases**
  To find software for your product, refer to [hp.com/networking/support](http://hp.com/networking/support); for details on the software releases available with your product purchase, refer to [hp.com/networking/warrantysummary](http://hp.com/networking/warrantysummary).
## Specifications

**HP IMC Enterprise Edition Software Platform with 200-node License (JF378A)**


### Minimum system hardware
- Running environment requirement: client/server architecture; Server requirement
  - Pentium 4 3.0Ghz processor
  - 4 GB RAM memory
  - 50 GB storage
  - 10/100 MB NIC
  - 48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card

### Recommended system hardware
- 3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor
  - 4 GB RAM memory
  - 100 GB storage
  - 10/100 MB NIC
  - 48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card

### Recommended software
- 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 and 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

### Minimum system hardware
- Client requirement
  - Pentium 4 2.0Ghz processor
  - 2 GB RAM memory
  - 50 GB storage
  - 10/100 MB NIC
  - 48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card

### Recommended system hardware
- 2.0 GHz Intel® Pentium® III or equivalent processor
  - 2 GB RAM memory
  - 50 GB storage
  - 10/100 MB NIC
  - 48X CD-ROM drive, video card supporting 1024 x 768 resolution, and sound card

### Recommended software
- Microsoft® Windows® XP

### Browsers
- Firefox 3.6 or later is recommended
- Internet Explorer 8.0 or later is recommended

### Additional requirements
- 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), 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)

### Notes
- 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.

### Services
- 3-Year, 9x5 SW phone support, software updates (UV760E)
- 3-year, 24x7 SW phone support, software updates (UV761E)
- 1-year, 24x7 software phone support, software updates (HR816E)
- software phone support, software updates (HR815E)
- Refer to the HP website at hp.com/networking/services 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.
HP Intelligent Management Center
Enterprise Software Platform accessories

License
HP IMC Standard and Enterprise additional 100-node License (JF379A)
HP IMC Standard and Enterprise additional 100-node E-LTU (JF379AAE)
HP IMC Standard and Enterprise additional 500-node License (JF380A)
HP IMC Standard and Enterprise additional 500-node E-LTU (JF380AAE)
HP IMC Standard and Enterprise additional 1000-node License (JF381A)
HP IMC Standard and Enterprise additional 1000-node E-LTU (JF381AAE)
HP IMC Standard and Enterprise additional 5000-node License (JF382A)
HP IMC Standard and Enterprise additional 5000-node E-LTU (JF382AAE)
HP IMC Standard and Enterprise additional Unlimited-node License (JF383A)
HP IMC Standard and Enterprise additional Unlimited-node E-LTU (JF383AAE)

Software
HP IMC NTA Software Module w/10-node License (JF384A)
HP IMC Network Traffic Analyzer Software Module with 10-node E-LTU License (JF384AAE)
HP IMC UAM Software Module with 200-user License (JF388A)
HP IMC User Authentication Management Software Module with 200-user E-LTU (JF388AAE)
HP IMC Endpoint Admission Defense Software Module with 200-user License (JF391A)
HP IMC Endpoint Admission Defense Software Module with 200-user E-LTU (JF391AAE)
HP IMC Voice Services Manager Software Module with 100-phone License (JF402A)
HP IMC Voice Services Manager Software Module with 100-phone E-LTU (JF402AAE)
HP IMC QoS Manager (JF408A)
HP Intelligent Management Center QoS Manager Software Module E-LTU (JF408AAE)
HP IMC MPLS VPN Manager (JF410A)
HP IMC MPLS VPN Software Module with 50-node E-LTU (JF410AAE)
HP IMC WSM Software Module with 50-Access Point License (JF414A)
HP IMC Wireless Service Manager Software Module with 50-Access Point E-LTU (JF414AAE)
HP IMC UBA Software Module with 200-user License (JF421A)
HP IMC User Behavior Auditor Software Module with 200-user E-LTU (JF421AAE)
HP IMC Service Operation Management Software Module License (JG139A)
HP IMC Service Operation Management Software Module E-LTU (JG139AAE)
HP IMC IPSec VPN Manager Software Module with 25-node License (JG144A)
HP IMC IPSec VPN Manager Software Module with 25-node E-LTU (JG144AAE)
HP IMC Branch Intelligent Management System Software Module w/50-node License (JG265A)
HP IMC Branch Intelligent Management System Software Module w/50-node E-LTU (JG265AAE)
HP IMC Intelligent Analysis Report Software Module License (JG138A)
HP IMC Intelligent Analysis Report Software Module E-LTU (JG138AAE)
HP IMC Service Health Manager Software Module License (JG398A)
HP IMC Service Health Manager Software Module E-LTU (JG398AAE)
HP IMC Extended API License (JG399A)
HP IMC Extended API E-LTU (JG399AAE)
HP IMC TACACS+ Authentication Manager Software Module with 100-node License (JG483A)
HP IMC TACACS+ Authentication Manager Software Module with 100-node E-LTU (JG483AAE)
HP IMC Application Performance Manager Software Module with 25-monitor License (JG489A)
HP IMC Application Performance Manager Software Module with 25-monitor E-LTU (JG489AAE)
HP IMC Virtual Application Network Manager Software Module with License (JG494A)
HP IMC Virtual Application Network Manager Software Module with E-LTU (JG494AAE)
HP IMC Remote Site Manager Software Module with License (JG495A)
HP IMC Remote Site Manager Software Module License with E-LTU (JG495AAE)