Overview

Models

HP IMC MPLS VPN Software Module with 50-node E-LTU	JF410AAE

Key features

- MPLS VPN resource management
- MPLS VPN monitoring
- MPLS VPN traffic monitoring
- MPLS VPN deployment

Product overview

HP Intelligent Management Center (IMC) software is a modular comprehensive resource management platform. With its extensive device support, IMC software provides true end-to-end management for the entire network, as well as the open operation cycle.

HP IMC MPLS VPN Manager (MVM) software is a module for the IMC platform that provides features for all aspects of MPLS VPN management. IMC MVM software provides functions such as VPN autodiscovery, topology, monitoring, auditing, and performance evaluation, as well as VPN and service deployment, which enable IT managers to best allocate resources. The software also contains a traffic engineering component that helps operators monitor an entire network and deliver service quality by distributing suitable network resources as needed.

Features and Benefits

Management

- **MPLS VPN resource management**
  provides an easy way to add VPN resources such as provider edges (PEs), customer edges (CEs), and VPNs; PEs and CEs can be imported from the basic network resources, while VPNs can be either manually added or automatically discovered
- **MPLS VPN monitoring**
  - **IMC MVM software displays a network's fault and configuration states in real time**
    VPN access topology displays the link status of CEs and the core (that is, the connection and link status between PEs, CEs, and the core); VPN service topology displays connections between CEs, helping to monitor the connections and connectivity status between client subnets in a VPN group
- **MPLS VPN traffic monitoring**
  delivers the traffic statistics and report functions for VPN and service access, providing a way to analyze traffic trends in specific and general terms; service access traffic is collected from the links that CEs use to access PEs; VPN and service access traffic statistics can be displayed in bar and line charts, and the statistics reports can be exported on a per-day, per-month, or per-year basis in HTML, PDF, or other formats to meet different needs
- **MPLS VPN deployment**
  provides the BGP MPLS VPN deployment function, which can be used to deploy a VPN through easy operations; this reduces the configuration workload remarkably and also supports VPN link deployment and batch removal
- **MPLS management VPN**
  by establishing a management VPN, administrators can add CEs to the management VPN, which can then manage the CE topology, alarms, and performances; to prevent building management VPNs that interrupt service VPN discovery and management, IMC MVM software allows you to set and filter the management VPN to separate it from service VPNs
- **MPLS VPN report**
  supplies an integrated VPN report, VPN connect report, VPN details report, and VPN access flow report; IMC MVM software also

Overview

allows users to easily obtain VPN network information

- **MPLS VPN traffic analysis**
  integrated with IMC NTA software, IMC MVM software can analyze the VPN traffic flow based on different applications; it also displays a chart and detailed VPN traffic information
- **Layer 2 MPLS VPN**
  provides support for LDP mode VPLS VPN, BGP mode VPLS VPN, VLL, and PBB; it can also assign different VPN priority levels to different operators

Technical Specifications

HP IMC MPLS VPN Software Module with 50-node E-LTU (JF410AAE)		Different node size and different VPN size will require different hardware
	Minimum system hardware	3.0 GHz Intel® Pentium® or equivalent processor 2 GB RAM memory 40 GB storage 10/100 MB NIC
	Recommended system hardware	3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent processor 8 GB RAM memory 200 GB storage 1000 MB NIC
	Recommended software	Microsoft® Windows® Server 2003 Enterprise Edition SP2 Microsoft® Windows® Server 2003 Enterprise Edition SP2 (32-bit) Microsoft® Windows® Server 2008 (32-bit or 64-bit) Standard or Enterprise Edition Microsoft® Windows® Server 2008 R2 (64-bit) Standard or Enterprise Edi
	Browsers	Microsoft Internet Explorer 6.0 or later Firefox 3.0
	Additional requirements	Operating system: Red Hat Enterprise Linux 5 Server; Database: Microsoft SQL Server 2005 Service Pack 3 (Windows only), Microsoft SQL Server 2008 Service Pack 1 (Windows only), Microsoft SQL Server 2008 Service Pack 1 (64-bit, Windows 64-bit only), or Oracle 11g Enterprise Edition. If there are more than 5,000 but fewer than 10,000 nodes, 8 CPUs or 4x dual-core CPUs, and 16 GB memory is needed.
	Notes	Hardware change with nodes and VPNs: less than 500, 1 CPU, 2G memory • From 500 to 1,000 nodes, dual-core CPU, 3 GB memory • From 1,000 to 2,000 nodes, dual-core CPU, 4 GB memory • From 2,000 to 5,000, 2x dual-core CPUs, 8 GB memory • From 5,000 to 10,000 nodes, 4x dual-core CPUs, 16 GB memory • Recommend managed VPN for fewer than 10,000 nodes. Otherwise, a higher level of hardware is needed.
	Services	3-Year, 9x5 SW phone support, software updates (UV758E) 3-year, 24x7 SW phone support, software updates (UV759E) Refer to the HP website at www.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 IMC MPLS VPN Manager Software accessories

License

HP IMC MPLS VPN Manager additional 50-node E-LTU	JF405AAE
HP IMC MPLS VPN Manager BGP Package E-LTU	JF403AAE
HP IMC MPLS VPN Manager Cisco Device E-LTU	JF404AAE
HP IMC VPLS/MPLS VPN Manager Package E-LTU	JF420AAE
HP IMC MPLS TE Manager Package E-LTU	JG143AAE

Technical Specifications

To learn more, visit www.hp.com/networking