Overview

Models

HP IMC Virtual Application Networking Software Defined Network Manager E-LTU JG827AAE

Key features

- Consistent management experience across traditional and software-defined networks
- Configuration, monitoring and policy management for a software-defined network
- OpenFlow switch management for quick troubleshooting and deployment
- Performance management of the control point of your network

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 entire operation cycle.

HP IMC Virtual Application Networking (VAN) Software Defined Network (SDN) Manager Software is an IMC module providing comprehensive management including fault, configuration, accounting, monitoring and security for SDN environments. VAN SDN Manager Software integrates with the IMC platform, so administrators gain a single interface to manage both traditional and software-defined networks.

VAN SDN Manager Software monitors and manages all three layers of the SDN architecture: infrastructure, control and application layers. You will be able to visualize your software defined-network, including location of the switches- both physically and logically-relative to the control point of the network. The traffic flow across the SDN domain is monitored and represented visually in VAN SDN Manager Software, enabling fast troubleshooting. IMC Software provides lifecycle management and monitoring of the HP VAN SDN Controller and provides details of network service status and OpenFlow related information.

Features and benefits

Management

- **OpenFlow network management**
  - Manage OpenFlow resources , flow policies, traffic monitoring, reporting, troubleshooting, and application management.
  - Visualize network traffic flows, service quality and SDN application status.
  - Single click to detailed service management interface from dashboard.
  - Inventory and monitor network resources. Information reliant on IMC platform information and other module information.
- **OpenFlow controller management**
  - Supports single, teamed and redundant controllers.
  - Displays information such as network service status, OpenFlow device types, host numbers, flow entry numbers, and VLAN.
- **OpenFlow device management**
  - Displays all the flow entries, counters, DPIDs, and other OpenFlow statistics per device.
  - Locate an OpenFlow device within the network topology.
- **Service flow management**
  - Enables end-to-end flow deployment from the physical topology
- **OpenFlow topology**
  - Displays device links, utilization, and nodes accessing the network.

Overview

- Visualize service over physical and logical links allowing for real-time monitoring of flow status.
- Filter view by controller, application, or flow.

- **Fault troubleshooting**
  - Monitor topology based faults through faulty link and device positioning.
  - Display affected hosts and corresponding flow entries.
  - Analyze flow paths for root-cause detection.
  - Determine the root cause of problems with automatic analysis per node including matching fields, input/output and more.
- **Service reporting**
  - Provides real time and historical statistics in detailed reports that can be exported in a variety of reporting formats.
  - Reports OpenFlow network assets, utilization, flow statistics, fault statistics and terminal statistic.
  - Supports reports by tenant allowing for auditing and capacity analysis.

Technical Specifications

HP IMC Virtual Application Networking Software Defined Network Manager E-LTU (JG827AAE)

Minimum system requirements	Server: Intel® Pentium® 4 3.0 GHz 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
System requirements, recommended	Server: 3.0 GHz Intel® Xeon® or Intel® Core™2 Duo processor or equivalent 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
Software (required)	Server: 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)
Recommended software	Server: 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
Services	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.

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