Overview

Models

HP IMC Virtual Application Network Manager Software Module with E-LTU	JG494AAE

Key features

- Automation and orchestration of edge configuration
- Template based approach for policy management
- Virtual Machine migration
- Edge switch management

Product overview

HP Intelligent Management Center (IMC) is a modular, comprehensive resource management platform. With its extensive device support, IMC provides true end-to-end management for the entire network, and entire operation cycle. Virtual Application Networks Manager is an IMC module, which delivers a template based approach for managing network configuration policies, yielding consistency and reliability across network infrastructure. Administrators define the policies in a template, which will be applied as a configuration policy to the edge switch associated with the virtual machine of interest. Virtual machine network connectivity is automated and orchestrated by IMC VAN Manager which lends to the acceleration of application deployment and service rollout and greatly reduces risk during virtual machine migration. The module includes a plugin into the VMware hypervisor manager which enables the connection policies defined in IMC to be applied to the virtual machine.

Features and benefits

Management

- **Edge switch management**
  IMC monitors and manages the VMs that are connected to the edge switches. An ACL number range is defined for each edge switch for ACL planning. You can query, add, or delete an edge switch.
- **Connection policy templates**
  IMC maintains a library of connection policy template (VSI type)which is the network configuration for binding to the vNIC of VMs. The administrator can easily define bandwidth performance, Quality of Service and allowed hosts in the connection policy. These policies bind to the VM, when deployed, and are applied to the edge switch. These policies follow the VM when it is migrated. These policies once created can easily be modified.
- **Network**
  Each network uses a unique VLAN ID. You can assign VSI Types to different networks. One VSI Type can be assigned to multiple networks. You can also specify which operator can manage a network, facilitating VSI Type management. After a connection is created, you need to select the network, VM, and VSI Type. After the connection is successfully deployed, the VM uses the assigned network resources to communicate with external networks.
- **Migration history**
  VAN Manager records the migration for VMs in a virtual network. Administrators will be able to view the migration history and operational records of VMs.
- **VMware hypervisor management support**
  IMC VAN Manager plugs into vCenter so that the VM connections created by IMC can be managed, such as deploying and taking VM offline, from vCenter server.

Technical Specifications

HP IMC Virtual Application Network Manager Software Module with E-LTU (JG494AAE)

Minimum system hardware	Server requirement Intel® Pentium® 4 3.0 GHz 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 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
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), 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)
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.

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