

iMC

QoS Manager v5.0 (E0101)

Copyright (c) 2010 Hewlett-Packard Development Company, L.P. All Rights Reserved.

Table of Contents

1. [What's New in this Release](#)
 2. [Problems Fixed in this Release](#)
 3. [QoS Software Distribution Contents](#)
 4. [Installation Prerequisites](#)
 5. [Port Usage](#)
 6. [Typical Installation](#)
 7. [Upgrade Installation](#)
 8. [Un-Installation](#)
-

What's New in this Release

1. Predefined classifiers that identify typical traffic flows are available in *Service >> QoS Resource >> Classifier*.
2. Sub-classifiers for some classifiers are available in *Service >> QoS Resource >> Classifier*.
3. Default characteristics and optional characteristics are available for traffic classification in *Service >> QoS Resource >> Classifier*.
4. Registration of new traffic classification templates is available in *Service >> QoS Resource >> Classifier*.
5. Default configuration of the ACLs for traffic classification is available in *Service >> QoS Resource >> Classifier*.
6. Common parameters for predefined classifiers have been configured in *Service >> Business Deploy*. Only user-specific parameters need to be configured.
7. Predefined classifiers can be deployed in *Service >> Business Deploy*.
8. Quick deployment of common traffic behaviors, including the default configuration of actions and queuing, is available in *Service >> QoS Resource >> Behavior*.
9. Traffic monitoring for classifiers is available in *Service >> QoS Device*.
10. Traffic monitoring for classifiers can be started and stopped in *Service >> QoS Device*.
11. Two entries for the QoS configuration page are available in *Service >> QoS Device* and *Service >> Business Deploy*. In *Service >> QoS Device*, QoS configuration capabilities are filtered according to the capability set of the device.
12. Policy deployment preview is available in *Service >> QoS Device*.
13. The topology provides the entry for QoS configuration.

[[Table of Contents](#)]

Problems Fixed in this Release

iMC QoS 5.0 (E0101) fixes the following problems in iMC QoS 3.20-F0606:

None

[[Table of Contents](#)]

QoSM Software Distribution Contents

The QoSM software contains the following files and folders:

1. **QoSM\manual\readme_qosm_5.0 (E0101).html** - this file
2. **QoSM\windows\install** - the iMC QoSM installation program for Windows OS
3. **QoSM\linux\install** - the iMC QoSM installation program for Linux OS

[[Table of Contents](#)]

Installation Prerequisites

PC Requirements

The following are the minimum hardware and software requirements for running iMC on a PC server:

- Hardware
 - More than 2 Pentium4 3.0Ghz processors
 - 2GB RAM or higher
 - 100GB of free hard disk space or higher
- Operating system
 - 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
 - Windows Server 2008 R2 X64
 - Windows 7
 - Windows 7 X64
 - Red Hat Enterprise Linux 5
 - Red Hat Enterprise Linux 5 X64
 - Red Hat Enterprise Linux 5.5
 - Red Hat Enterprise Linux 5.5 X64
- 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)
 - Microsoft SQL Server 2008 R2 Service Pack 1 (Windows only)
 - Microsoft SQL Server 2008 R2 Service Pack 1 (64-bit) (Windows 64-bit 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)

iMC Platform Compatibility

- iMC Platform version: iMC PLAT 5.0 (E0101) or later

[[Table of Contents](#)]

Port Usage

The iMC Server will BIND to and use the following TCP/IP Ports.

Port	Usage
TCP 61616	Used for communication in Master-Slave deployment environment.
TCP 22	SSH port, used to Configure Cisco device.
TCP 23	Telnet port, used to Configure Cisco device.
UDP 161	SNMP port, used to manage SNMP devices. elements.
TCP 1433	SQL Server database listening port (Windows only).

[[Table of Contents](#)]

Typical Installation

Before installing QoSM, make sure the iMC is installed correctly. To install QoSM, click [Install] button on the "Monitor" tab of the Intelligent Deployment Monitoring Agent, then select the *components* sub-directory of the upgrade package, and click [OK] button to launch the installation wizard.

For detailed installation instructions, please refer to iMC Installation Guide.

[[Table of Contents](#)]

Upgrade Installation

Please follow these instructions for upgrading the iMC:

1. Back up the iMC database on the Environment tab in Deployment Monitoring Agent.
2. Stop the iMC system in the Deployment Monitoring Agent.
3. Click [Install] button in the "Monitor" tab of the Deployment Monitoring Agent.
4. Select the *windows/install/components* subdirectory of the upgrade package, and click [OK] button.
5. After the installation finishes, the Deployment Monitoring Agent will detect the components that need to be upgraded. Click [OK] button to start upgrading the components.
6. If this is a Distributed deployment, upgrade all components deployed on all slave servers separately.
7. After update, start all processes on the Deployment Monitoring Agent window.

[[Table of Contents](#)]

Un-Installation

You can remove QoSM component through the intelligent deployment monitoring agent. To do this, follow these steps:

1. In the Intelligent Deployment Monitoring Agent window, select "Stop iMC" on the "Monitor" tab to stop all processes of iMC.
2. On the "Deploy" tab, right-click the QoS component, and select "Uninstall the Component" from the shortcut menu.
3. A dialog box appears, indicating that the component was successfully removed. Click "OK".

[[Table of Contents](#)]

Issued: Nov 2010

Copyright 2010 Hewlett-Packard Development Company, L.P.