Release Notes for Cisco Multicast Manager 2.5

Contents

Introduction

Cisco Multicast Manager is a web-based network management application that is designed to aid in the monitoring and troubleshooting of multicast networks. Enterprises running video delivery systems or financial market data applications can greatly benefit from deploying Cisco Multicast Manager. Service providers or cable operators also benefit from:

- Early warning of problems in multicast networks.
- In-depth troubleshooting and analysis capabilities.
- On demand, real-time, and historical reporting capabilities.

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New Features

Cisco Multicast Manager provides the following new features:

- **Selective Source Monitoring** - Allows customers to define specific Source devices to be monitored for on-going health and availability metrics of mission critical multicast components.

- **Targeted Multicast Discovery by Subnet** - Limits the scope of the multicast discovery and monitoring for simplification and efficiency.

- **SNMP Trap Receiver Support** - Accepts traps for processing and display of alerts and events

- **Enhanced Multicast Virtual Private Network (MVPN) Support** - Functionally bridges the discovery and multicast trace ability spanning across the customer edge to the provider edge to present a holistic view of the entire multicast environment without user interaction with any of the devices from the provider network.

- **Video Operations Solution** (VOS) integration with IQ iVMS - Provides efficient, real-time video fault information to Cisco Multicast Manager and allow the user to launch the iVMS application to isolate multicast video problems.

- **SSL Support** - Adds secure web application login support.

- **SSH Support** - Adds Secure Shell device login support.

System Requirements

This section describes the system requirements for Cisco Multicast Manager 2.5.

Supported Hardware

Linux

On Linux systems, the following hardware is supported:

- Dual AMD Opteron 250 processor

  A 2.4 GHz 64 bit processor is recommended for a large enterprise network (more than 500 devices)

- 2.8 GHz Intel Pentium IV or 2.8 GHz Intel Xeon processor

- A Dual 2.8 GHz Intel Pentium IV or a Dual 2.8 GHz Intel Xeon processor is recommended for large enterprise networks (more than 500 devices)

Sun Microsystems Servers

Cisco Multicast Manager supports the following hardware on Sun Microsystems servers:

- **Sun Fire V440**: Up to four 1.593-GHz UltraSPARC IIIi processors for a large enterprise network (more than 500 devices)

- **Sun Fire V240**: One 1.34 GHz or two 1.5 GHz UltraSPARC processors

Operating System Requirements

Linux

CMM 2.5 can run on the following Linux versions:

- Red Hat Enterprise Linux ES/AS 3
- Red Hat Enterprise Linux ES/AS 4

Sun Systems

CMM 2.5 can run on the following Sun Solaris versions:

- Solaris 8
- Solaris 9
- Solaris 10

Note Solaris x86 is not supported

Memory Requirements

- 2 GB
- 4 GB for Large Enterprise (more than 500 devices)

Supported Browsers

- Firefox 1.5 or greater
- Internet Explorer 6
- Netscape 7.0
- Mozilla 1.7
- Safari 2.0

Upgrading to Cisco Multicast Manager 2.5

If you are upgrading from a previous version of Cisco Multicast Manager to release 2.5, then when you run the installation script, make sure that you install CMM 2.5 in a different directory than the directory used for the previous installation.

Caveats

The following IOS caveats affect the operation of CMM 2.5.

- CSCsk58969
- CSCsk58974
- CSCsk58978
- CSCsk59117
- CSCsk84180
- CSCsl09742
- CSCsl12676
- CSCsl13039
- CSCsl18338
- CSCsl47201
- CSCsl50091
- CSCsl58913
- CSCsl61414
- CSCsl65953
- CSCsl66019
- CSCsl75901
- CSCsl76620
- CSCsl88608
- CSCsl92399
- CSCsm07073
- CSCsm45858

- CSCsk58969

Symptom:

The current MVRF functionality is limited and it would be useful to include topology views for the MTI and MVRF interfaces.

Workaround:

None.

- CSCsk58974

Symptom:

Expand RP status for RPs configured with the context of a VRF.

Workaround:

None.

- CSCsk58978

Symptom:

Expand the MSDP status for MSDP peers configured with the context of a VRF.

Workaround:

None.

- CSCsk59117

Symptom:

A configurable option should be added to display the device names in either lowercase or uppercase regardless of the actual character case in the SNMP strings or/and DNS.

Workaround:

None.

- CSCsk84180

Symptom:

The historical graph does not updates the graph for newly selected SGs. The previous graph appears. This is problem occurs only with the IE 6 browser.

Workaround:

The user can either use a Mozilla browser or configure IE 6 users by following these steps:

1. From the browser menu, select Tools >Internet Options >Settings.

2. Select Every Visit to the page.

- CSCsl09742

Symptom:

The user is unable to install CMM 2.5 to a custom file path.

Workaround:

None.

- CSCsl12676

Symptom:

The home page of CMM 2.5 displays all of the events and trap details regardless of the domain that the user is currently viewing. The user can view traps that are not related to their domain in the home page.

Workaround:

None.

- CSCsl13039

Symptom:

The interfaces list is not displayed for the Add Unicast router

Conditions:

Adding a unicast router through the route manger will not update the full router information on topo.db.

Workaround:

None.

- CSCsl18338

Symptom:

When the multicast baselines are viewed, the list of baseline details is incomplete.

Conditions:

The Multicast Baseline Details table is missing some columns of information such as MIB object, Description, and Group Name Values.

Workaround:

None.

- CSCsl47201

Symptom:

On Solaris

/opt/RMSMMT/httpd_perl/logs/Server_access_log.x file contains the user login/logout sessions.

On Linux:

/usr/local/netman/httpd_perl/Server_access_log.x file contains the user login/logout sessions.

The dates and times in these files are not properly synchronized.

Conditions:

This condition occurs when CMM 2.5 is installed on the supported OS platforms.

Workaround:

None. This bug will be fixed in the next release.

- CSCsl50091

Symptom:

When CMM 2.5 is installed, a non-administrative user can click on the admin link. As a result, the user is logged out and the logs record a timeout entry.

Conditions:

A non-administrative user has the ability to click on the admin link.

Workaround:

None.

- CSCsl58913

Symptom:

After logging in to the CMM server, there should be a lock icon displayed in the lower right hand corner of the web browser. In Internet Explorer 7, this lock icon is not displayed.

Conditions:

This condition occurs in CMM 2.5.

Workaround:

The observed symptoms are due to the following reasons:

- Cisco is not designated as the certificate signing authority.
- IE7 expects that there must be a unique certificate for every server machine.

For now, it may not be required to find a mechanism for these problems as the customer can always install their own certificates.

- CSCsl61414

Symptom:

The Top Talkers link on the Diagnostics page does not work if the network device supports the IOSXR release.

Conditions:

The user is trying to execute the Top Talkers link on a device running IOSXR.

Workaround:

None.This feature was not supported for CMM 2.4. This requires a supporting command set for IOSXR. This feature will be available in CMM 2.6.

- CSCsl65953

Symptom:

The user tries to execute commands, selected from a drop down list on the Diagnostics page. The user clicks on a device from the devices list located in the left margin.

Conditions:

This occurs in both CMM 2.4 and 2.5.

Workaround:

The use case is that the user wants to do some debugging and the user supplies credentials by manually executing the command. The user should select the command from the drop down menu instead of entering the command.

Further Problem Description:

1. Switch on tcache=1 in file <NMSROOT>/mmtsys/sys/<domain.mm.conf>

2. Restart the application.

3. Execute the command on the Diagnostics page by clicking on the device and entering the command.

The user can execute the commands from the drop down menu for this device.

- CSCsl66019

Symptom:

The user fails to run commands on the IOSXR devices from the Diagnostics page.

Conditions:

The user tries to run commands on the devices supporting IOSXR from CMM 2.5.

Workaround:

The user should use SSH V1.

- CSCsl75901

Symptom:

In Baseline route polling, a value of 0 or -1, indicates that the routing table should be queried without checking the CPU utilization.

Conditions:

The CPU threshold is taken as -1 when 0 is entered.

Workaround:

None.

- CSCsl76620

Symptom:

When upgrading from CMM 2.4 to version 2.5 or reinstalling CMM 2.5, the TACACS configuration is overwritten.

Conditions:

This occurs while upgrading from CMM 2.4 to version 2.5 or while reinstalling CMM 2.5.

Workaround:

Repeat the TACACS configuration.

- CSCsl88608

Symptom:

The IOS-XR does not support the CISCO-MVPN-MIB.

Conditions:

The XR PE information is not displayed in the MVPN page.

Workaround:

None.

- CSCsl92399

Symptom:

Duplicate Routers are displayed in router column of the SG Polling by Branch page.

Conditions:

In the SG Polling by Branch page, when the filtered FHR and LHR are selected as the same and the routers are filtered, then the duplicate router names are displayed in the router column.

Workaround:

Select only one router from the duplicate routers.

- CSCsm07073

Symptom:

The user should not start cliproxyd_sock, snmp, snmptrapd processes without verifying the validity of the license.

Conditions:

Cliproxyd_sock, snmp, and snmptrapd will run even if the license file is invalid.

Workaround:

None.

- CSCsm45858

Symptom:

In SG Monitoring, the error page is displayed when a baseline is selected.

Conditions:

Step 1 Create a new branch from the SG Polling by Branch page.

Step 2 Select the new branch. A new page with the branch details is displayed.

Step 3 Click the **SaveAs** button. The page will close.

Step 4 Select the same branch from the SG Polling by Branch page. The new page was displayed as an error page and there will be no displayed branch details.

Workaround:

Before Step 4, refresh the SG Polling by Branch page, then the new page will display the branch details.

Product Documentation

Table 1 describes the product documentation available for CMM.

Table 1   *CMM Documentation*

Document Title	Available Formats
Release Notes for Cisco Multicast Manager, 2.5	• PDF on the product CD-ROM. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/prod_release_notes_list.html
Documentation Guide and Supplementary License Agreement for Cisco Multicast Manager, 2.5	• Printed document was included with the product. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/products_documentation_roadmaps_list.html

Table 1 **CMM Documentation (continued)**

Document Title	Available Formats
Installation Guide for Cisco Multicast Manager, 2.5	• PDF on the product CD-ROM. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/prod_installation_guides_list.html
User Guide for Cisco Multicast Manager, 2.5	• PDF on the product CD-ROM. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/products_user_guide_list.html

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

This document is to be used in conjunction with the documents listed in the "Product Documentation" section.