



Release Notes for Cisco Multicast Manager Release 2.5.3

Revised: August 11, 2008, OL-15311-01

Contents

- [Introduction, page 1](#)
- [New Features, page 2](#)
- [Changes to the Release Notes, page 2](#)
- [System Requirements, page 2](#)
- [CMM R2.5.3 Patch, page 4](#)
- [Caveats, page 6](#)
- [Product Documentation, page 14](#)
- [Obtaining Documentation, Obtaining Support, and Security Guidelines, page 15](#)

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.



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

© <year> Cisco Systems, Inc. All rights reserved.

New Features

Cisco Multicast Manager provides the following patch functionalities:

- Added support for both Telnet and SSH mode of command line access. Users can make a selection in the Domain Management page for a particular domain based on their preference.
- For 7600 and 6500 series of routers, the SNMP counter takes time to update, which causes CMM to report a false threshold alert. The CLI mode of polling is included in this patch for retrieving the exact counter values. For the CLI mode of polling, enter the chassis and IOS version of any series of router in rmssqlcli.conf file, located under <NMSROOT>/mmtsys/sys folder. Select CLI Threshold polling as "Telnet" in the Domain Management page.

Changes to the Release Notes

This section documents supplemental changes that have been made since the initial release of the *Release Notes for Cisco Multicast Manager Release 2.5.3*.

Caveats and Sections Added

The following caveats and sections have been added to the release notes:

The section [Installing the CMM R2.5.3 Patch, page 4](#) was added to describe how to install the CMM R2.5.3 patch.

- The following caveats were resolved by this patch:
 - [•CSCsr00893](#)
 - [•CSCsr16101](#)
- The following caveats were added:
 - [•CSCsr17706](#)
 - [•CSCsr17742](#)
 - [•CSCsr36645](#)
 - [•CSCsr43241](#)
 - [•CSCsr58103](#)
 - [•CSCsr65257](#)

System Requirements

This section describes the system requirements for Cisco Multicast Manager 2.5.3.

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 2.5.3 can run on the following Linux versions:

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

Sun Systems

CMM 2.5.3 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

- Internet Explorer 6.0
- Internet Explorer 7.0
- Mozilla Firefox 2.0

CMM R2.5.3 Patch

Bug Fixes

The CMM R2.5.3 patch fixes the following caveats:

- [CSCsr00893](#)
- [CSCsr16101](#)

Installing the CMM R2.5.3 Patch

- This section describes how to download and install the CMM 2.5.3 patch.

Downloading the CMM Patch—Solaris and Linux

-
- Step 1** Launch a browser using a Solaris or Linux machine and go to <http://www.cisco.com/cgi-bin/tablebuild.pl/cmm>.



Note A registered Cisco.com username and password are required.

- Step 2** Download the **CMM_Patch_release_2.5.3.tar.gz** file to a temporary directory (such as /temp) on the Solaris or Linux machine.

- Step 3** Enter the following commands to extract the file to the temporary directory:

```
cd /<directory_name>
gunzip -c CMM_Patch_release_2.5.3.tar.gz | tar xvf - (for Solaris)
tar -xzvf CMM_Patch_release_2.5.3.tar.gz (for Linux)
```



Note CMM 2.5.3 Patch tar file (CMM_Patch_release_2.5.3.tar.gz) contains both the installation script for Linux and Solaris.

Installing the CMM 2.5.3 Patch in Solaris and Linux

The following steps describe how to apply the CMM 2.5.3 patch in Solaris or Linux..

-
- Step 1** Run the Installation script. (install_patch.sh) from the extracted folder. The Installation checks for the presence of CMM 2.5 on that machine and installs accordingly.



- Note** Patch tar files contains installation script (install_patch.sh), and separate folders for Linux and Solaris with their respective binaries.
-

Sample output of the installation script:

```
bash-3.00# ./install_patch.sh
Installing Cisco Multicast Manager Version 2.5.3
Copyright (c) 2008 Cisco Systems, Inc. All Rights Reserved.

Installing CMM 2.5.3 for SunOS
Found CMM 2.5 installed in this machine
The patch installs in /opt/RMSMMT. Do you wish to continue? [y/n]: y
Stopping CMM Processes ...
Sun Microsystems Inc.   SunOS 5.10       Generic January 2005
You have new mail.
/opt/RMSMMT/httpd_perl/bin/apachectl stop: httpd stopped
Stopping the Polling Daemon..
Stopping CLI Proxy Daemon..
Stopping SNMP Trap Receiver..
Stopping SNMP Trap Agent..
Clean up server access files
--
Backing up CMM 2.5 processes...
Backup Complete
Installing patch files...
Installation Finished.
Restarting CMM Processes ..
Starting the application...
```

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
- CSCsr00893
- CSCsr16101
- CSCsr17706
- CSCsr17742
- CSCsr36645
- CSCsr43241
- CSCsr58103
- CSCsr65257

-
- 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 update the graph for newly selected SGs. The previous graph appears. This is a problem that 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.

- CSCs109742

Symptom:

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

Workaround:

None.

- CSCs112676

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.

- CSCs113039

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.

- CSCs118338

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.

- CSCs147201

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.

- CSCs150091

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.

- CSCs158913

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 3.0.

- 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.

- CSCs175901

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.

- CSCs176620

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.

- CSCs188608

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.

- CSCs192399

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 the SG Polling by Branch page, in the Selective Source and Group Monitoring fields, after the branches are created, an error page is displayed when any of the branches are selected.

Workaround:

When the SG polling by Branch page is refreshed, the branch details for the selected branch will be displayed correctly.

- CSCsr00893

Symptom:

Instead of just supporting 7600 router, a config file named (rmspollcli.conf), which can be located under the <NMSROOT>/mmtsys/sys folder, is provided. User can enter the chassis information and the IOS version in the config file for which they need CLI option..

Workaround:

Install the 2.5.3 patch.

- CSCsr16101

Symptom:

In S,G Delta PPS polling, when the devices are polled through CLI, historical graph display the wrong PPS value.

Workaround:

Install the 2.5.3 patch.

- CSCsr17706

Symptom:

The IOS version information continues to display for deleted devices.

Workaround:

None.

- CSCsr17742

Symptom:

Users are not able to discover deleted unicast routers with the Unicast Discovery function.

Workaround:

None.

- CSCsr36645

Symptom:

Layer 2 devices are added through the Unicast Router Discovery.

Workaround:

None.

- CSCsr43241

Symptom:

L2 Polling: An error page is displayed when a device is selected to poll.

Workaround:

None.

- CSCsr58103

Symptom:

SG PPS, BPS values are not populated in the Historical Graph – This bug has a workaround which is included in the bug details.

Workaround:

1. Remove the Email configuration, done in Global polling configuration, and in Domain Trap/Email if any.

2. Wait for the polling interval to be configured.
3. The S,G Threshold events will be generated for the configured S,Gs.
4. The Historical Graph will also display the correct and current SG PPS and BPS values.

- CSCsr65257

Symptom:

When polling is restarted twice, continuously, the polling daemon exits.

Workaround:

1. Start Polling again.
2. Wait for few seconds and click on the "Refresh Status" button.

Product Documentation

Table 1 describes the product documentation available for CMM.

Table 1 CMM Documentation

Document Title	Available Formats
<i>Release Notes for Cisco Multicast Manager, 2.5</i>	<ul style="list-style-type: none"> • PDF on the product CD-ROM. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/prod_release_notes_list.html
<i>Documentation Guide and Supplementary License Agreement for Cisco Multicast Manager, 2.5</i>	<ul style="list-style-type: none"> • Printed document was included with the product. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/products_documentation_roadmaps_list.html
<i>Installation Guide for Cisco Multicast Manager, 2.5</i>	<ul style="list-style-type: none"> • PDF on the product CD-ROM. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/prod_installation_guides_list.html
<i>User Guide for Cisco Multicast Manager, 2.5</i>	<ul style="list-style-type: none"> • 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.

CCSP, CCVP, the Cisco Square Bridge logo, Follow Me Browsing, and StackWise are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, and iQuick Study are service marks of Cisco Systems, Inc.; and Access Registrar, Aironet, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, FormShare, GigaDrive, GigaStack, HomeLink, Internet Quotient, IOS, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, LightStream, Linksys, MeetingPlace, MGX, the Networkers logo, Networking Academy, Network Registrar, *Packet*, PIX, Post-Routing, Pre-Routing, ProConnect, RateMUX, ScriptShare, SlideCast, SMARTnet, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0601R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2008 Cisco Systems, Inc. All rights reserved.

 Printed in the USA on recycled paper containing 10% postconsumer waste.

