



Release Notes for Cisco Multicast Manager, 2.4

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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.



New Features

Cisco Multicast Manager provides the following new features:

- **Support for Video Probes**—CMM 2.4 adds support for video probes that monitor video flows and video quality in a multicast network and send SNMP events when thresholds are exceeded. The video probes must support SNMP v2.2a or higher.
- **Support for the Cisco CRS-1 Platform**—CMM 2.4 supports monitoring of multicast configuration that include the Cisco Carrier Routing System 1 (CRS-1) device.
- **Support for One-Time Passwords with TACACS**—CMM allows you to configure one-time only TACACS+ passwords.
- **Support for Multicast VPN**—CMM 2.4 adds support for monitoring of multicast networks that use multicast VPNs (MVPNs). MVPN support includes:
 - The ability to discover provider edge (PE) routers and their Virtual Routing and Forwarding Instance (VRF) topology.
 - Scheduled and on-demand monitoring for PE components and their associated VRFs
 - Reporting and diagnostic capabilities for PE components and their associated VRFs.
- **Separate Licensing for Video Probe support and MVPN Support**—CMM 2.4 provides separate licensing for video probe support and MPVN support. If one of the two license components is not installed, the system menus does not include selections for the monitoring capabilities that are not enabled.

System Requirements

This section describes the system requirements for Cisco Multicast Manager, 2.4.

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 2.4 can run on the following Linux versions:

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

Sun Systems

CMM 2.4 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 2.4

If you are upgrading from a previous version of Cisco Multicast Manager to release 2.4, then when you run the installation script, make sure that you install CMM 2.4 in a different directory than the directory used for the previous installation.

Caveats

The following IOS caveat affects the operation of CMM 2.4.

CSCsh73935

Symptom:

When performing **snmpwalk** on the *ciscoMvpnMrouteMdtTable*, the router may reload.

Conditions:

This symptom is observed when IP multicast routing is enabled on the VRF (VPN Routing and Forwarding instance), the VRF is associated with an interface, and the MDT (Multicast Distribution Tree) default group address is not configured for the VRF.

Workaround:

Configuring the MDT default group address for the VRF prevents the router from reloading. To configure this, issue the following command in VRF configuration mode:

```
mdt default <mdt_group>
```

where *mdt_group* is the MDT default group address.

Resolved Caveats

[Table 1](#) indicates the caveats from previous releases that are resolved with CMM release 2.4.

Table 1 **Resolved Caveats with Release 2.4**

Caveat	Description
CSCse25766	Customers requested the ability to filter the historical graph selection list. This capability is provided with release 2.4.
CSCsg78723	Catalyst 6513s not showing up in Catalyst 6000 troubleshooting. The Catalyst 6513 would report “Cisco WSC6513” instead of Catalyst 6513. This problem is fixed in release 2.4.
CSCsg89278	S,G threshold traps report pps even when the bps threshold has been exceeded. In release 2.4, the traps have been modified to report bits per second (bps) as well as packets per second (pps).
CSCsh13841	When users used the Delete function for one Multicast group in Administration > Multicast Manager > SG Polling Main , all time-based thresholds above this group in the configuration display were deleted from the polling configuration. This problem is fixed in release 2.4.

Table 1 **Resolved Caveats with Release 2.4 (continued)**

Caveat	Description
CSCsh13936	S, G time-based thresholds were not exported (Export in Administration > Multicast Manager > SG Polling Main did not export time-based thresholds—only the main configuration). This problem is resolved in release 2.4.
CSCsh50119	The Layer 2 historical graph list is empty. Users were unable to select any layer 2 switches for historical graph reporting. This problem is resolved in release 2.4

Product Documentation

Table 2 describes the product documentation available for CMM.

Table 2 **CMM Documentation**

Document Title	Available Formats
<i>Release Notes for Cisco Multicast Manager, 2.4</i>	- 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 Start Guide for Cisco Multicast Manager, 2.4</i>	- 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, 2.4</i>	- 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, 2.4</i>	- 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.

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