

Cisco Multicast Manager 3.1

PB595356

Product Overview

Cisco® Multicast Manager 3.1 simplifies discovery, visualization, monitoring, management, and troubleshooting of multicast networks to help ensure the availability of mission-critical services delivered over multicast. The video operations solution (VOS) add-on feature provides monitoring support for video probes to proactively detect poor-quality video that is being transported across an IP multicast infrastructure. The Multicast VPN (MVPN) add-on feature gives customers the ability to manage their Virtual Route Forwarding (VRF) tables by monitoring the service provider edge routers along with presenting on-demand views of the MVPN environment by provider edge router or VRF table.

Cisco Multicast Manager is also part of the Cisco® Video Assurance Management Solution (VAMS), which provides a flexible end-to-end assurance management platform for video.

New Features

New features in version 3.1 include:

- **Configurable Simple Network Management Protocol (SNMP) Trap Descriptor:** For SNMP traps originated by Cisco Multicast Manager, the user now has the ability to populate two free-format trap description fields that are included in the trap as variable bindings.
- **Service Description in SNMP Traps:** SNMP traps originated by Cisco Multicast Manager will now have a service description for source and group (SG) for easy identification of the stream. The service description is obtained from the address management database in Cisco Multicast Manager.
- **Video Monitoring (VidMon) Support:** Support is provided for the new VidMon family of metrics on the Cisco ASR 9000 Series Aggregation Services Routers and the Cisco 7600 Series Routers. VidMon provides inline video monitoring of MPEG2 transport streams and uncompressed video.
- **Explicit User Tracking:** This feature identifies the multicast receivers connected to Catalyst® 6500 Series Switches or 7600 Series Routers. Rate information is also displayed for each receiver.
- **Identification of Down Protocol Independent Multicast (PIM) Interfaces:** If a multicast trace performed by Cisco Multicast Manager fails due to one or more PIM interfaces being down, this feature allows the user to quickly identify the PIM interfaces that are down.
- **Time-Based SG Polling:** Support is added to limit polling of specific multicast flows (identified by source and group) to a defined time range for selected days of the week.
- **SG Delta Trap Change:** Information provided in the SG delta trap has been expanded to include information about the router reporting the high or low deviation in measured packets per second rate of the multicast flow. This information helps identify the affected router.
- **Tree Polling:** Previously Cisco Multicast Manager would only compare the most recently polled tree against a defined baseline tree. This release adds the option to compare the most recently polled tree against the previously polled tree. With this option selected Cisco Multicast Manager notifies users of any tree change that occurs compared to the previous tree state.
- **Configurable Login Message:** An option is provided to display a message to users at the time of login. The content of the message is administrator configurable.

- **Maximum Login Attempts:** Non-administrator user accounts are locked after three failed login attempts.
- **Enhanced Cisco Multicast Manager User Audit Log:** The types of user operations captured by the Cisco Multicast Manager audit log have been significantly expanded in Cisco Multicast Manager 3.1.
- **64-bit Linux:** Cisco Multicast Manager 3.1 adds support for 64-bit versions of Red Hat Enterprise Linux.
- **Cisco IOS® XR Support:** Cisco Multicast Manager 3.1 adds support for devices running Cisco IOS XR 3.8.X and 3.9.X.
- **Dashboard Metrics Graph:** A new dashboard metrics graph feature allows users to monitor the traffic flow (metrics) for a selected set of configured polling entries.
- **TIBCO API Enhancement:** Cisco Multicast Manager 3.1 exposes an API for polling configurations.

Availability

Cisco Multicast Manager 3.1 is orderable beginning April 2, 2010, and begins shipping on April 9, 2010. Cisco Multicast Manager 3.1 can be ordered through regular sales channels.

Cisco Multicast Manager 3.1 can be downloaded for evaluation at <http://www.cisco.com/go/nmsevals>.

To request your 60-day evaluation license key, please email get-cmm-key-eval@cisco.com with your name, company name, and IP address of the intended Cisco Multicast Manager server.

Licensing

Cisco Multicast Manager 3.1 is licensed by the number of monitored Layer 3 multicast devices. Three base license options are available: 200 devices, 500 devices, or unrestricted. There are two optional feature sets that are separately licensed: (1) Multicast VPN Support and (2) Video Operations Solution Support. Options are available for existing customers of Cisco Multicast Manager 2.X to upgrade to Cisco Multicast Manager 3.X. Upgrades are also available to increase the base license device count from 200 to 500 or from 500 to unrestricted.

Ordering Information

Table 1 lists ordering information. Cisco Multicast Manager 3.1 is available for purchase through regular Cisco sales and distribution channels worldwide. To place an order, visit the Cisco Ordering Homepage.

Table 1. Ordering Information for Cisco Multicast Manager 3.1

Part Number ¹	Product Description
CMM3.1-MEDIA-K9¹	Cisco Multicast Manager 3.1 Media Kit - Linux and Solaris
CMM3.X-BASE-SM	Cisco Multicast Manager 3.X Small Base License - 200 Devices
CMM3.X-BASE-MD	Cisco Multicast Manager 3.X Medium Base License - 500 Devices
CMM3.X-BASE-UR	Cisco Multicast Manager 3.X Unrestricted Base License - Unrestricted Devices
CMM3.X-VOS-FS¹	Cisco Multicast Manager 3.X Optional VOS Feature - Requires Base License
CMM3.X-MVPN-FS¹	Cisco Multicast Manager 3.X Optional MVPN Feature - Requires Base License
CMM3.X-UP-SM2MD¹	Cisco Multicast Manager 3.X SM to Cisco Multicast Manager 3.X MD Upgrade License
CMM3.X-UP-MD2UR¹	Cisco Multicast Manager 3.X MD to Cisco Multicast Manager 3.X UR Upgrade License
CMM2.X-3.X-UPSM	Cisco Multicast Manager 2.X SM to Cisco Multicast Manager 3.X SM Upgrade - Requires 2.X SM Base License
CMM2.X-3.X-UPMD	Cisco Multicast Manager 2.X MD to Cisco Multicast Manager 3.X MD Upgrade - Requires 2.X MD Base License
CMM2.X-3.X-UPUR	Cisco Multicast Manager 2.X UL to 3.X UR Upgrade - Requires 2.X UL Base License

¹ Spare variants are also available for the noted part numbers. The spare variant part numbers are formed by appending an equal sign (=) to the part number in the table (for example, CMM3.1-MEDIA-K9=).

Service and Support

Cisco offers a wide range of services programs to accelerate customer success. These innovative services programs are delivered through a unique combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. Cisco services help you to protect your network investment, optimize network operations, and prepare the network for new applications to extend network intelligence and the power of your business. For more information about Cisco services, see [Cisco Technical Support Services](#) or [Cisco Advanced Services](#).

For More Information

For more information about Cisco Multicast Manager, visit <http://www.cisco.com/go/cmm>, contact your local account representative, or send an email to ask-cmm-pm@cisco.com.

For more information about the Cisco Video Assurance Monitoring Solution, visit <http://www.cisco.com/go/vams>.



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