

# Cisco Multicast Manager 3.2

PB658791

## Product Overview

Cisco® Multicast Manager 3.2 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 3.2 include:

- **Show Layer 2 Switches in Forwarding the Tree:** Show Layer 2 switches in the forward trace in addition to the existing display of routers and video probes. In addition, Cisco Multicast Manager also supports the ability to autodiscover Layer 2 devices as part of the multicast discovery process.
- **Show Layer 2 Multicast Receivers in the Forwarding Tree:** Cisco Multicast Manager 3.2 displays multicast receiver information when you click on devices on the Multicast Trace page. This feature is supported for 7600 and 6500 class devices.
- **Automatic Layer 2 Device Discovery:** You can configure Cisco Multicast Manager 3.2 to automatically discover Layer 2 devices during domain discovery.
- **Unicast Flow Trace for VidMon Devices:** You can now launch a unicast flow trace from the VidMon flow monitoring page. The unicast trace includes the devices that were discovered in the domain.
- **IP Unnumbered Topology:** Provides the ability to handle cases where a customer is using IP unnumbered interfaces to carry multicast traffic.
- **Flexible device access for Telnet and SSH:** Improves device access by adding the ability for the user to select both Telnet and Secure Shell (SSH) Protocol access for devices in the domain. SSHv1 and SSHv2 are supported.
- **Support for point-to-point (P2P) and point-to-multipoint traffic engineering (P2MP TE) Links:** Cisco Multicast Manager now supports the ability to run a complete multicast trace from a source customer network, through a PM2MP TE tunnel to the destination customer network or networks. Cisco Multicast Manager 3.2 provides a new Distributed Network Discovery/P2MP option to discover devices over P2MP TE tunnels.
- **Support for 3750 and 4500 Switches:** Cisco Multicast Manager 3.2 adds support for Cisco Catalyst® 3750 Series Switches and Cisco Catalyst 4500 Series Switches.

- **Enhanced VidMon Support:** Cisco Multicast Manager receives traps from various routers and video probes. Cisco Multicast Manager 3.2 also supports polling for specific data when cfmNotifyAlarm traps are received from VidMon devices and uses the collected information to generate the necessary metrics.
- **Cisco DCM Support:** Cisco Multicast Manager 3.2 adds support for the Cisco Digital Content Manager (DCM).
- **Displaying Date and Time of Last Successful Login:** Cisco Multicast Manager 3.2 displays to users their last current login time.
- **Password Aging:** Cisco Multicast Manager 3.2 enforces password changes every 90 days. Users are prompted to change their password.
- **Support for VMware ESXi 4.x:** Cisco Multicast Manager 3.2 supports VMware ESXi 4.x environments.
- **Trace Using Management IP Address:** In some service provider environments, access to the Protocol Independent Multicast (PIM) interface may be blocked, which affects Cisco Multicast Manager traces. With Cisco Multicast Manager 3.2, you can configure multicast flow trace based on either the PIM neighbor address of a device or the management IP address.
- **Source Group (SG) Configuration using Range:** Provides users the ability to add SG polling entries by specifying an IP range.

## Availability

Cisco Multicast Manager 3.2 is orderable beginning April 16, 2011, and begins shipping on April 22, 2011. Cisco Multicast Manager 3.2 can be ordered through regular sales channels.

Cisco Multicast Manager 3.2 can be downloaded for evaluation at <http://www.cisco.com/go/nmsevals>.

## Licensing

Cisco Multicast Manager 3.2 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 3.2. 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 3.2 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 3.2

Part Number <sup>1</sup>	Product Description
CMM3.2-MEDIA-K9 <sup>*</sup>	Cisco Multicast Manager 3.2 Media Kit - Linux and Solaris
CMM3.2-BASE-SM	Cisco Multicast Manager 3.2 Small Base License - 200 Devices
CMM3.2-BASE-MD	Cisco Multicast Manager 3.2 Medium Base License - 500 Devices
CMM3.2-BASE-UR	Cisco Multicast Manager 3.2 Unrestricted Base License - Unrestricted Devices

<sup>\*</sup> Starting with version 3.2, Cisco Multicast Manager supports eDelivery of the product; each part number has an equivalent eDelivery part number that starts with L-.

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, CMM3.2-MEDIA-K9=).

Part Number <sup>1</sup>	Product Description
CMM3.2-VOS-FS*	Cisco Multicast Manager 3.2 Optional VOS Feature - Requires Base License
CMM3.2-MVPN-FS*	Cisco Multicast Manager 3.2 Optional MVPN Feature - Requires Base License
CMM3.2-UP-SM2MD*	Cisco Multicast Manager 3.2 SM to Cisco Multicast Manager 3.2 MD Upgrade License
CMM3.2-UP-MD2UR*	Cisco Multicast Manager 3.2 MD to Cisco Multicast Manager 3.2 UR Upgrade License
CMM2.X-3.2-UPSM	Cisco Multicast Manager 2.x SM to Cisco Multicast Manager 3.2 SM Upgrade - Requires 2.x SM Base License
CMM2.X-3.2-UPMD	Cisco Multicast Manager 2.x MD to Cisco Multicast Manager 3.2 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

## 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](mailto: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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