



Release Notes for Cisco Video Surveillance Manager 4.0/6.0

September, 2008

These release notes provide important information for the following Cisco Video Surveillance Manager (Cisco VSM) products:

- Cisco Video Surveillance Media Server Release 6.0.
- Cisco Video Surveillance Operations Manager Release 4.0
- Cisco Video Surveillance Virtual Matrix Release 6.0

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Introduction

The Cisco Video Surveillance Manager consists of the following products:

- Cisco Video Surveillance Media Server—The core component of the Cisco Video Surveillance Software Suite, the Media Server enables the collection and routing of video from a wide range of cameras; event-tagging, record-on-motion, and recording of video for review and archive; secure local, remote, and redundant video archive capabilities; and bandwidth management for both live distribution and historical recording.
- Cisco Video Surveillance Operations Manager—Allows organizations to quickly and effectively configure and manage video throughout the enterprise. Provides a secure web portal to configure, manage, display, and control video throughout an IP network, and the ability to manage a large number of security assets and users, including Media Server instances, cameras, encoders, DVRs, and event sources, and digital monitors powered by Virtual Matrix.
- Cisco Video Surveillance Virtual Matrix—Enables flexible delivery of live and recorded video to command centers and provides high-availability access to network video for continuous monitoring applications. Virtual Matrix capabilities include aggregation and display of video from the Media Server platform on almost any number of digital monitors distributed across the IP network. Authorized users and integrated applications control the video that is displayed on any number of digital monitors.

Obtaining Software and Related Information

To obtain software and important information about installing Cisco Video Surveillance Media Server and about system requirements, go to the following URL, click the **Products** link, then click the **Cisco Network-Centric Video Surveillance products** link. You must be a registered user of Cisco.com to access files for download.

<http://www.cisco.com/go/physicalsecurity>

New and Changed Information

The following sections describe new and changed information in this release:

- [Cisco Video Surveillance Media Server 6.0 New and Changed Information, page 2](#)
- [Cisco Video Surveillance Operations Manager 4.0 New and Changed Information, page 3](#)
- [Cisco Video Surveillance Virtual Matrix 6.0 New and Changed Information, page 4](#)

Cisco Video Surveillance Media Server 6.0 New and Changed Information

Enhancements and changes in Cisco Video Surveillance Media Server 6.0 include the following:

- Standards-based streaming—Enhancements to outbound streaming, including support of RTP/RTSP.
- New archiving system—Increased efficiency, flexibility, and performance for recording.
- Record-on-motion and record-on-event—Record only the information that you want across all stream formats.

- Legacy DVR integration—Pull live streams and recorded video from legacy Pelco Endura and Nice DVRs.
- New codec support—Support for H.264 devices from Cisco, Sony, and AXIS.
- Improved MPEG-4 performance—Smoothly rewind MPEG-4 archives and faster start-up times.
- Management Console—Enhanced to include monitoring of archiving, outbound media, and DVR gateways, and other administrative tasks, including query status of the Cisco processes running on the server and access to log files.
- Additional supported encoders and cameras:
 - AXIS Communications P3301, Q7401, 211M, 209M, 216M, 247S
 - IQEye Completed support for 5xx, 7xx, and 8xx series cameras
 - Panasonic 202A, NP302, NW484, NS-954, NS-964, CS-954
 - Sony CS20, DS10, DS60, CM120, DM110, DM160
- New archive format and Storage Manager:
 - The minimum looping archive duration is 1 hour, which can be increased in 1-hour increments.
 - Provides contiguous event-based recording.
 - Scheduled backups.

When you upgrade to Media Server 6.0, you must reclaim the disk space that is used by the existing archives. For additional information, see the [“Important Upgrade Notes” section on page 4](#).

- Change in suspended proxy behavior—To enable fast MPEG-4 start up times and reliable event communication, direct proxies do not suspend for devices from these vendors: Cisco, AXIS, IQEye, Panasonic, and Sony. To allow these devices to suspend and disable fast MPEG-4 start up times and reliable event communication, contact the Cisco Technical Assistance Center.

Cisco Video Surveillance Operations Manager 4.0 New and Changed Information

Enhancements and changes in Cisco Video Surveillance Operations Manager 4.0 include the following:

- Record-on-motion and record-on-event—Supports flexible recording features
- New motion configuration GUI—Simplified motion configuration for many devices
- New codec support—Support for H.264 devices from Cisco, Sony, and AXIS
- Legacy DVR integration—Pull live streams and recorded video from legacy Pelco Endura and Nice DVRs
- Additional supported encoders and cameras:
 - AXIS Communications P3301, Q7401, 211M, 209M, 216M, 247S
 - IQEye Completed support for 5xx, 7xx, and 8xx series cameras
 - Panasonic 202A, NP302, NW484, NS-954, NS-964, CS-954
 - Sony CS20, DS10, DS60, CM120, DM110, DM160

- New archive format and Storage Manager:
 - The minimum looping archive duration is 1 hour, which can be increased in 1-hour increments.
 - Provides contiguous event-based recording
 - Scheduled backups



Note

Cisco Video Surveillance Operations Manager 4.0 is backward compatible only with Cisco Video Surveillance Media Server 5.x.

Cisco Video Surveillance Virtual Matrix 6.0 New and Changed Information

New features in Cisco Video Surveillance Virtual Matrix include a variety of client performance enhancements and internal upgrades to make it compatible with the Cisco Media Server client.

Important Upgrade Notes

Cisco VSM 4.0/6.0 includes a new data format and a new Storage Manager that controls the data repository and available storage. The 4.0/6.0 upgrade process requires that you delete stored video data, but it maintains Cisco VSM configuration information.

Before you upgrade, make sure to back up any stored video data that you want to keep.

Detailed upgrade instructions are available with your upgrade package. You can also obtain an advanced service to assist with the upgrade and data retention. For more information, contact your Cisco sales representative or partner.

Orderability Matrix

Table 1 shows the orderability matrix for versions of SuSE Linux Enterprise Server (SLES) and various Cisco Video Surveillance hardware platforms and Cisco VSM releases.

Table 1 SLES and Cisco Video Surveillance Hardware/Software Orderability Matrix

| Hardware | Cisco VSM Release | SLES Version |
|--|--------------------------|---------------|
| Multiservices Platform | 3.1.1/5.1.1 | SLES 10, SP 1 |
| | 4.0/6.0 | SLES 10, SP 1 |
| Legacy Cisco Video Surveillance servers | 3.1.1/5.1.1 ¹ | SLES 9, SP 3 |
| Legacy Cisco Video Surveillance international servers (CIVS-MSA1R-250) | 3.1.1/5.1.1 | SLES 9, SP 3 |
| | 4.0/6.0 | SLES 10, SP 1 |

1. You can upgrade to Cisco VSM 4.0/6.0 on legacy Cisco Video Surveillance servers. Cisco VSM 4.0/6.0 can run under SLES 9, SP3 or SLES 10, SP 1.

Caveats

Use the Bug Toolkit to find information about the caveats (bugs) for the current release of Cisco Video Surveillance Media Server, including a description of the problems and available workarounds. The Bug Toolkit lists both open and resolved caveats.

To access Bug Toolkit, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

To use the Software Bug Toolkit, follow these steps:

Procedure

- Step 1** To access the Bug Toolkit, go to <http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>.
- Step 2** Log in with your Cisco.com user ID and password.
- Step 3** To look for information about a specific problem, enter the bug ID number in the **Search for bug ID** field, then click **Go**.
- Step 4** To look for information if you do not know the bug ID number:
- a. Choose **Security** from the Select Product Category menu.
 - b. Choose the desired product from the Select Product menu.
 - c. Choose the version number from the Software Version menu.
 - d. Under Advanced Options, choose **Use default settings** or **Use custom settings**. The default settings search for severity 1, 2 and 3 bugs, open and fixed bugs, and only bugs containing bug details. Use the custom settings to change the severity and status parameters, or to search for keywords within the bug headline and description.
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Obtaining Documentation, Obtaining Support, and Security Guidelines

For related documentation about Cisco Video Surveillance Operations Manager, visit this URL:

<http://www.cisco.com/en/US/support/>

For information about obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and 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>

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