Release Notes for Cisco MediaSense, Release 9.0(1)

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Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
http://www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 527-0883

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Release Version

The Cisco MediaSense Release 9.0(1) DVD and CCO installation images are labeled Version 9.0(1a).

Note After you install any Cisco MediaSense release, apply any patches and updates. To stay current on the availability of patches and updates, monitor the Cisco MediaSense software download page.

New Features

Media Access Control

Media Access Control enables Cisco MediaSense to:

- Protect itself from overload by managing and limiting the number of active media streams used for recording, playback, monitoring, HTTP downloads, and MP4 conversions.
- Ensure that recording capacity is available by reserving a minimum number of streams for recording only. Cisco MediaSense continues to record calls, even after other operations have reached their capacity limits.
- Improve security by requiring API users to provide credentials when they request playback, monitoring, HTTP downloads, and MP4 conversions. Only authenticated API clients can access these operations and they must support redirect responses.

Audio Recording of Video Calls

Audio Recording of Video Calls enables Cisco MediaSense to record audio tracks of video conversation calls that are routed to each other through Cisco Unified Border Element (CUBE).

Specification-based Virtualization

Specification-based Virtualization enables Cisco MediaSense to run on Cisco Unified Computing System (UCS) servers that are also running other virtual machines. Specification-based Virtualization also enables Cisco MediaSense to run on select IBM servers and HP servers.

For more information, see the *Solution Reference Network Design for Cisco MediaSense, Release 9.0(1)*.

Open Virtualization Archive Virtual Machine Template

A new Open Virtualization Archive Virtual Machine template enables Cisco MediaSense to simplify the deployment of virtual machines in new installations. This template has deployment options for Services Ready Engines, primary servers, secondary servers, and expansion servers.

Upgrade considerations

Supported upgrades

Cisco MediaSense can be upgraded from Release 8.5(4) to Release 9.0(1). Direct upgrades to 9.0(1) from releases earlier than 8.5(4) are not supported.

Choose to upgrade or do a fresh installation

If you have stored a large number of recorded sessions on one or more nodes in the cluster and you do not want to keep these stored sessions, you may want to fresh-install Release 9.0(1) on the cluster rather than to upgrade the cluster to Release 9.0(1).

As a general rule, the upgrade time per node increases by about 90 minutes per 100,000 stored sessions on that node. Doing a fresh-installation on a cluster may be faster than doing an upgrade on the cluster. However, you consider that you lose the stored sessions when you do a fresh-installation.

For more information, see the *Solution Reference Network Design for Cisco MediaSense, Release 9.0(1)*.

Open and resolved defects

Open defects are those that Cisco plans to fix in a future product release. Because there were no open defects after the last Cisco MediaSense release, there were no open defects to resolve in this release.

Cisco's defect management tracking tools classify defects by the following severity levels:

- Severity 1: Catastrophic
- Severity 2: Severe

- Severity 3: Moderate
- Severity 4: Minor
- Severity 5: Cosmetic

Table 1: Open Defects in Release 9.0(1)

Defect ID	Severity	Description
CSCub12177	3: Moderate	Install: VM memory usage spikes above norm during installation
CSCub32786	3: Moderate	Tracking: Sometimes metadata does not get pruned.
CSCub46522	3: Moderate	Upgrade: Upgrade to MediaSense 9.0(1) has blank screen for about an hour
CSCub80099	4: Minor	Restarting DB on a node when DB on the other node is down breaks replication

Bug Search Tool

If you have an account with Cisco.com, you can use Cisco's Bug Search tool to find detailed information about defects.

To use the Bug Search tool, visit https://www.cisco.com/cisco/psn/bssprt/bss.