



Cisco Meeting Management

Cisco Meeting Management 3.0.0

(Build 3.0.0.54)

Release Notes

October 10, 2020

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Document Revision History

Table 1: Document revision history

Date	Description
2020-10-10	Broken links removed.
2020-07-29	Document published.

1 Introduction

Cisco Meeting Management is a management tool for Cisco's on-premises video meeting platform, Cisco Meeting Server. You can use the tool to monitor and manage meetings that are running on the platform, and it also provides information about which Cisco licenses you are using.

Meeting Management, with its current feature set, is included within existing Cisco Meeting Server licensing.

If you combine Meeting Management with Cisco TMS (TelePresence Management Suite), you can both schedule and manage meetings that are run on your Meeting Server Call Bridges.

These release notes describe new features, improvements, and changes to Cisco Meeting Management.

1.1 The software

Meeting Management is a virtualized appliance. Specifications of the VM (virtual machine) depend on how many simultaneous actions your Meeting Management has to perform or observe. See the *Installation and Configuration Guide* for specifications and requirements, including our estimates on sizing related to the number of Call Bridges you are managing.

For security, there is no user access to configuring via the console after first run. Except for the installation process, all use of Meeting Management is via a browser interface.

1.2 Upgrading from previous version

Before you upgrade:

- Please make sure you have an up-to-date backup of your Meeting Management.
See the *Installation and Configuration Guide* for instructions.
- Check that your deployment meets the requirements of the version you are upgrading to.
- Plan your upgrade so no important monitored meetings are taking place while you are performing the upgrade.
- Notify other users before you start upgrading.

Note: All users, both video operators and administrators, will be signed out without warning, and data for ongoing and recent meetings will be lost when you upgrade.

- Read the [Notes on upgrading to 3.0](#).

Note: When you upgrade to 3.0, your Meeting Servers will be at the highest license enforcement level until licensing has been enabled correctly on Meeting Management. The settings from previous releases must be edited or confirmed before Meeting Management will show the correct status and stop enforcement.

To upgrade Meeting Management:

1. Sign in to the download area of cisco.com
2. Download the upgrade image file and save it in a convenient location.
3. Sign in to Meeting Management.
4. Go to the **Settings** page, **Upgrade** tab.
5. Click **Upgrade**.
6. Click **Upload upgrade file**.
7. Select the upgrade image file and click **Open**.
8. Check that the checksums are the same as the ones listed [below](#), then **Confirm**.
If the checksums do not match, do not install the upgrade, as the file may have been corrupted.
9. **Restart** Meeting Management to complete the upgrade.

1.3 Downgrading to previous version

If you need to downgrade to a previous version, use the regular upgrade procedure and choose the image file for the appropriate version as the upgrade file.

1.4 Checksums for upgrade and installation files

Before you install or upgrade Meeting Management you should always check that the files have not been corrupted. See file names and checksums for this release below.

Upgrade image:

- Name of download file: `Cisco_Meeting_Management_3_0_0.zip`
- Name of upgrade image: `Cisco_Meeting_Management_3_0_0.img`
- MD5 checksum for upgrade image: `624c3af2fef635d0c862c744407bd082`
- SHA256 checksum for upgrade image:
`4d3b4c4f6a4868a42c78aa9d86773aad151b2003ef570a121658503bd2ae50a`
- SHA512 checksum for upgrade image:
`88b5defe432ac5513049a758b81bb85415b4be0c6fde649c66db65506471858c2703e304e5f44e770f843e744da70fb3d1582c475a0e54d0c598ab014ccd5373`

OVA for new installation on vSphere 6.0 or below:

- File name: `Cisco_Meeting_Management_3_0_0_vSphere-6_0.ova`
- MD5 checksum for image: `42408aa21eac99abb9ab7710ab03766e`
- SHA256 checksum for image:
`7af08416d59b9972efefdc8f71cbd40365ab617136ccab15d7434aba1a3881ff`
- SHA512 checksum for image:
`4ddb571ae7bfca2679018e3e187e2af5e39b9a346cf151ba63163fb0a7eda4fefe46e816784b3a04896142bf0914bac933f4770ce7708dc3d3da8d957334c8b3`

OVA for new installation on vSphere 6.5 or later:

- File name: `Cisco_Meeting_Management_3_0_0_vSphere-6_5.ova`
- MD5 checksum for image: `bce69a8be99bc6ecdf31a5fcae096916`
- SHA256 checksum for image:
`696aec4b07b6af0dd3e06318c04a4acb47c35c74a93a36e4c644b92e81054c44`
- SHA512 checksum for image:
`9043ccb0e8163554d8e49989be625ba70d3f0b0acc9f7e1d9e37f0cf899d7b6c8036e84f0853dc4a1bf762814bf3cf8694bd113d90dbac72239070a56f110e2`

1.5 End of software maintenance for earlier versions

We support two full versions of Meeting Management at a time. This means that we give notice of end of maintenance and support for any given release when the subsequent two full versions have been released. For more information, see [End of maintenance and support policy for Cisco Meeting Server, Cisco Meeting App and Cisco Meeting Management software](#).

1.5.1 End of software maintenance

On release of Cisco Meeting Management 3.0, Cisco announces the timeline for end of software maintenance for version 2.8.

Table 2: Timeline for End of Software Maintenance for versions of Meeting Management

Cisco Meeting Management version	End of Software Maintenance notice period
2.8	4 months after first release of version 3.0

2 New features and changes

In this section you can see what is new in 3.0.

2.1 No support for older Meeting Server versions

Due to the many changes between version 2.9 and version 3.0, Meeting Management 3.0 only supports Meeting Server 3.0.

You can upgrade Meeting Management while some of the connected Meeting Servers are still running version 2.8 or 2.9, but all Meeting Servers must be upgraded to version 3.0 to be fully supported.

2.2 See who is presenting in a meeting

In previous releases, you would need to look at the call statistics for individual participants to know if someone is presenting. In this release, there will be an indicator next to the presenter's name in the participant list.

The *User Guide for Video Operators* and the online help have been updated to reflect this.

2.3 Use Meeting Management only for licensing and provisioning

In previous versions, you could only use Meeting Management with Meeting Server clusters that have maximum 10,000 meetings per week and no tenants.

In this version you can choose to use Meeting Management only for licensing and provisioning for individual clusters. This can be useful if you want to free up CDR capacity for other tools, if a cluster has tenants, or if a cluster hosts high volumes of meetings.

See instructions on how to disable meeting management in the *Installation and Configuration Guide* or in the *User Guide for Administrators*.

2.4 Change between licensing modes

Change between three licensing modes:

- Traditional licensing

In this mode, Meeting Management gets its information about available licenses from license files that are installed on your Call Bridges.

Note: This option is only available if at least one license file is installed on one of the connected Call Bridges.

- Smart Licensing

In this mode, Meeting Management gets its information about available licenses from the Cisco Smart Software Manager.

- No licensing

*In this mode, Meeting Management does not manage licensing. If you have a resilient deployment, use one instance of Meeting Management for licensing and choose **No licensing** mode for the other instance.*

In the user interface, the **Settings** page, **Smart Software Licensing** tab has been changed to the **Licensing** tab which lets you choose licensing mode and edit most Smart Licensing settings. See instructions in the *Installation and Configuration Guide* or the *User Guide for Administrators*.

2.5 Licensing enforcement

In previous releases, Meeting Management reported license status for connected Meeting Server clusters. In this release, Meeting Management not only lets you know if you are out of compliance, but it also manages enforcement, and it is mandatory with Meeting Server 3.0 or later.

All Meeting Server clusters running 3.0 or later must be connected to Meeting Management for licensing. Meeting Management monitors the license status based on usage data from the connected Call Bridges and license information that is retrieved either from the license files installed on the Call Bridges or from the Cisco Smart Software Manager. As long as the usage is in compliance, Meeting Management allows the connected clusters to keep working.

To allow for connection issues, Meeting Management sets an expiry date to the Meeting Servers which will be renewed continuously as long as Meeting Management is connected, and the usage is within the limits defined by the licenses.

See more information about licensing enforcement in the *User Guide for Administrators* or in the *Cisco Meeting Server 3.0 Release Notes*.

CAUTION: When you upgrade to 3.0, your Meeting Server will be at the highest enforcement level until it has been connected to an instance of Meeting Management that has licensing enabled. Note that on upgrade to 3.0, you must update or confirm license settings in Meeting Management to enable licensing. See [Notes on upgrading to 3.0](#)

2.6 Updated license status levels and enforcement warnings

We have updated the license status levels so they correspond to how license status is defined for different license types in 3.0.

We have added:

- Warnings of upcoming or active enforcement

*When a feature is out of compliance, you will also see a warnings about enforcement on the **Licenses** page.*

- License status levels for customization

Unlike other license types, you do not purchase a number of customization licenses. Customization is either licensed, or it is not licensed.

See more information in the *User Guide for Administrators*.

2.7 Start a trial

In previous versions, Meeting Management had limited trial functionality. In this version you can start a 90 day trial from the **Licenses** page, whether you are using Smart Licensing or traditional licensing.

See information in the *Installation and Configuration Guide* or the *User Guide for Administrators*.

2.8 Changes to Smart Licensing

Changes that are specific to Smart Licensing are:

- **Smart Licensing has been aligned with traditional licensing** so usage for the last 90 days is taken into account when Meeting Management defines the license status. The status levels are now the same as for traditional licensing, but they are always for all clusters rather than per cluster. However, you can see usage data for individual clusters in the 90 day report that you can download.
- **You no longer need to have activation keys installed on the connected Call Bridges.** Instead, Meeting Management reports the number of Call Bridges without a traditional license key to the Cisco Smart Software Manager. They appear as a license type called **Active Call Bridge Node** in your Smart Account. These licenses are free, and you will automatically be given the number of licenses you need.
- **Meeting Management verifies allocated licenses with the Cisco Smart Software Manager.** In previous releases, you could enter the number of available licenses to see utilization on a graph. In this release, it is mandatory to enter the license information as Meeting Management verifies it with the Cisco Smart Software Manager and uses the information to calculate your license status.

- **The license for customizing video layouts has now been added to Smart Licensing**, seen as the customization license on the Meeting Management **Licenses** page.
- **The Settings page, Smart Software Licensing tab is now the Licensing tab**, where you can choose licensing mode. Smart Licensing settings will be visible when you have chosen Smart Licensing mode. The options of enabling or disabling and deregistering Smart Licensing have been removed, as Meeting Management automatically deregisters from the Cisco Smart Software Manager when you change licensing mode to traditional licensing or no licensing.
- **We have removed the Summary and Events tab from the Licenses page**. The events and acknowledge functionality has been removed, and the license summary table has been replaced by an individual box for each feature. We have added warnings that are displayed when you have not entered the license information, or when the Cisco Smart Software Manager rejected the information.

See information in the *Installation and Configuration Guide* or the *User Guide for Administrators*.

2.9 Changes to traditional licensing

Changes that are specific to traditional licensing include:

- **All license types can now be monitored using Meeting Management**. This includes the new customization license that lets you create customize video layouts.
- **Meeting Management is checking the license files of all Call Bridges** instead of just one. This means that the upgraded version may show a different number of available licenses than you would have seen in the previous version. Also, the whole cluster will be at the highest enforcement level if any Call Bridge has no activation key (callBridge or callBridgeNoEncryption). We strongly recommend that you make sure that the correct license files are installed on all your Call Bridges.
- **The Settings page, Smart Software Licensing tab is now the Licensing tab**, where you can choose licensing mode.
- **We have made the Licenses page simpler** by removing the Summary and Events tabs. The events and acknowledge functionality has been removed, and the licenses summary table has been replaced by an individual box for each feature. The page still shows license information per cluster.

See information in the *Installation and Configuration Guide* or the *User Guide for Administrators*.

2.10 PMP Plus license usage is measured by the number of assigned users

In previous releases, PMP Plus license usage has been measured by the number of active meetings using a PMP Plus license. In this release, a license that has been assigned to a user counts as one license in use, whether or not that user is in any active meetings.

For each meeting, the rules for how licenses are assigned are the same as for previous releases. See the rules in the "How Cisco Multiparty licenses are assigned" section of the Meeting Server deployment guides.

2.11 Notes on upgrading to 3.0

When you upgrade to 3.0, your Meeting Servers will be at the highest license enforcement level until licensing has been enabled correctly on Meeting Management.

We recommend that you proceed in the following order:

1. Upgrade Meeting Management.
2. Ask your Meeting Server administrator to upgrade your Meeting Servers.
3. Enable licensing.

2.11.1 How to enable licensing

If your deployment is using traditional licensing, and you want to start using Smart Licensing instead:

1. Create a Smart Account and define a Virtual Account that you want to use for Meeting Management.
2. Migrate your licenses to Smart Licensing, using the migration feature in the Cisco Smart Software Manager.

Note: During Trial, please ask your Trial representative to help you set up a Smart Account that you can use for test purposes.

3. Enable Smart Licensing on one instance of Meeting Management and register it to the Cisco Smart Software Manager as described in the [User Guide for Administrators](#).
4. In the Cisco Smart Software Manager, check how many licenses you have in your Virtual Account.
5. In Meeting Management, go to the Licenses page.
6. Enter the number of licenses that have been allocated to your Virtual Account.

Note: In this release, Meeting Management verifies the number of allocated licenses with the Cisco Smart Software Manager, so even if you have previously entered the numbers, you must enter them again for Smart Licensing to be properly enabled.

7. If you have a resilient deployment, disable licensing for the other instance of Meeting Management.

If your deployment is using Smart Licensing, and you want to continue using Smart Licensing:

1. In Meeting Management, go to the **Settings** page, **Licensing** tab and choose **Smart Licensing**.
2. In the Cisco Smart Software Manager, check how many licenses you have in your Virtual Account.
3. In Meeting Management, go to the **Licenses** page.
4. Enter the number of licenses that have been allocated to your Virtual Account.

Note: In this release, Meeting Management verifies the number of allocated licenses with the Cisco Smart Software Manager, so even if you have previously entered the numbers, you must enter them again for Smart Licensing to be properly enabled.

If your deployment is using traditional licensing, and you want to continue using traditional licensing:

1. Ask your Cisco Meeting Server administrator to check that the correct license files are installed on all Call Bridges.

CAUTION: If any of the Call Bridges has no activation key (called callBridge or callBridgeNoEncryption in the API), then the whole cluster will be at highest enforcement level.

2. In one instance of Meeting Management, go to the **Settings** page, **Licensing** tab and choose **Traditional licensing**.
3. If you have a resilient deployment, choose **No licensing** on the other instance of Meeting Management.

2.12 Changes to requirements

Due to many changes between versions 2.9 and 3.0, Meeting Management 3.0 is only supported with Meeting Server 3.0 or later.

We have updated the VM requirements to include support for ESXi 7.0. We have removed mention of X3 servers as they are not supported with Meeting Server 3.0. Also, we have added a note to say that a small deployment is sufficient for all deployment sizes if the meeting management functionality is disabled.

For all requirements and prerequisites for Meeting Management 3.0, see the "Before you start" section of the *Installation and Configuration Guide*.

3 Bug search tool and resolved and open issues

You can now use the Cisco Bug Search Tool to find information on open and resolved issues for the Cisco Meeting Server, including descriptions of the problems and available workarounds. The identifiers listed in these release notes will take you directly to a description of each issue.

3.1 Using the bug search tool

1. Using a web browser, go to the [Bug Search Tool](https://bst.cloudapps.cisco.com/bugsearch/). (<https://bst.cloudapps.cisco.com/bugsearch/>)
2. Sign in with a cisco.com registered username and password.

To look for information about a specific problem mentioned in this document:

1. Enter the bug identifier in the **Search** field and click **Search**.

To look for information when you do not know the identifier:

1. Type the product name in the **Search** field and click **Search**
or,
in the **Product** field select **Series/Model** and start typing **Cisco Meeting Management**, then in the **Releases** field select **Fixed in these Releases** and type the releases to search for, for example **3.0**.
2. From the list of bugs that appears, filter the list using the **Modified Date**, **Status**, **Severity**, **Rating** drop down lists.

The Bug Search Tool help pages have further information on using the Bug Search Tool.

4 Resolved Issues

4.1 Resolved in 3.0.0 (Build 3.0.0.54)

Reference	Issue
CSCvs99792	If a user is looking at the meeting details for an active meeting, and another Call Bridge is added to the call, then Meeting Management does not receive Events for participants who are connected to the new Call Bridge.

5 Open issues

The following are known issues in this release. If you require more details on any of these please contact Support, <https://www.cisco.com/support>.

Reference	Issue
CSCvu96310	If Meeting Management was already registered to the Cisco Smart Software Manager before you upgraded to 3.0, then Meeting Management may not be able to reauthorize. Workaround: Change to No licensing mode, then change back to Smart Licensing mode.
CSCvu06383	Under some circumstances, Meeting Management includes dropped participants in the number of lobby participants displayed in the list of meetings.
CSCvu96309	There is an error connecting to Cisco Smart Software Manager On-prem. Workaround: Contact your Cisco sales representative for guidance.
CSCvt64327	If an administrator uses special characters in a template name, then these may appear differently in status messages, displaying escape characters instead.
CSCvt64329	For meetings hosted on Meeting Server 2.9 and later the lock button looks like it is enabled for gateway calls, although it has no effect. The Meeting Server ignores the lock status. Workaround: There is no workaround but we do not expect that participants would want to lock gateway calls.
CSCvt64330	If you are using Smart Licensing and move a Meeting Management deployment to a different virtual account, then the information will not be updated in its user interface. Workaround: Manually Renew registration now.
CSCvt00011	If the connection to one of the Call Bridges in a cluster is lost, then Meeting Management may not receive details about the space a meeting takes place in, and streaming may not work.
CSCvr87872	If CDRs are lost, Meeting Management may not reflect changes for participants who need activation. For instance, Meeting Management may keep displaying participants in the lobby when they have already been activated and moved to the meeting.
CSCvq73184	The user interface does not indicate that you cannot turn pane placement off if it is turned on for the space where the meeting takes place.

Note: The following known limitation has been reported by a customer:

- [CSCvn09301](#): Meeting Management may occasionally send packets with a source address in the range reserved for documentation. This is a bug to a third-party component: <https://github.com/moby/moby/issues/18630>. As the impact to CMM is low, we will not be producing any internal fix.

Note: Due to macOS updates, some certificates will no longer work for macOS users using Chrome. You should check that your certificate complies with the requirement "TLS server certificates must contain an ExtendedKeyUsage (EKU) extension containing the id-kp-serverAuth OID."

6 Interoperability

Interoperability test results for this product are posted to <http://www.cisco.com/go/tp-interop>, where you can also find interoperability test results for other Cisco conferencing products.

6.1 Mute/unmute and layout behaviors

For more information on endpoint mute/unmute and layout control behaviors when used with Meeting Server and managed by Meeting Management, see:

- [How will my endpoint mute/unmute controls behave when used with Cisco Meeting Server and managed by Cisco Meeting Management?](#)
- [How will my endpoint layout controls behave when used with Cisco Meeting Server and managed by Cisco Meeting Management?](#)

7 Product documentation

The following site contains documents covering installation, initial configuration, and operation of the product:

<https://www.cisco.com/c/en/us/support/conferencing/meeting-management/tsd-products-support-series-home.html>

7.1 Related documentation

Documentation for Cisco Meeting Server can be found at:

<https://www.cisco.com/c/en/us/support/conferencing/meeting-server/tsd-products-support-series-home.html>

Documentation for Cisco Meeting App can be found at:

<https://www.cisco.com/c/en/us/support/conferencing/cisco-meeting-app/tsd-products-support-series-home.html>

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The Voluntary Product Accessibility Template (VPAT) for Cisco Master Project is available here:

http://www.cisco.com/web/about/responsibility/accessibility/legal_regulatory/vpats.html#telepresence

You can find more information about accessibility here:

www.cisco.com/web/about/responsibility/accessibility/index.html

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