

Cisco TelePresence Management Suite 15.4

Software Release Notes

First Published: June 2017

Preface

Change History

Table 1 Software Release Notes Change History

Date	Change	Reason
June 2017	Updates	Cisco TMS 15.4

Product Documentation

The following documents provide guidance on installation, initial configuration, and operation of the product:

- [Cisco TelePresence Management Suite Installation and Upgrade Guide](#)
- [Cisco TelePresence Management Suite Administrator Guide](#)
- [Cisco TMS Extensions Deployment Guides](#)

New Features in 15.4

Random Dial-In Number for Scheduled Meetings

Cisco TMS introduces random dial-in number number selection feature for scheduled meetings. Previously, Cisco TMS provided sequential numbers for back to back conferences. This has been changed and now a random number is allocated to the conference. This is applicable for all the bridge types (MCU, Conductor, TS and CMS).

Support for Dial Out from an Unmanaged CMS Cluster Call Bridge Node

Cisco TMS can now distribute a conference dial out among the CallBridge nodes which are not directly managed by Cisco TMS. This happens when one of the CallBridge nodes in a CMS cluster CallBridge setup is managed by Cisco TMS.

By default CMS outbound dial plan rules have global scope and are common to all the CallBridge nodes in the cluster setup. Load balance among the clustered CallBridge nodes is achieved by creating the Outbound Dial Plan Rules with CallBridge scope and this needs to be created to use this feature. This makes the Outbound Dial Plan Rule specific to a single nominated CallBridge.

Cisco TMS internally uses CMS features to initiate dial-out from the unmanaged CMS cluster CallBridge node based on the Outbound Dial Plan Rules.

Refer to the **Creating and modifying outbound dial plan rules** section in [Cisco Meeting Server API Reference Guide](#) for the configuration steps.

Conference Notification Message Support for CMS

Cisco TMS can now send conference notification messages to CMS. This feature works in line with all other bridges.

End of Meeting User Experience Enhancements

Ignore Scheduled Meeting and Continue Active Call

Cisco TMS introduces a new option **Ignore Scheduled Meeting and Continue Active Call** in **Administrative Tools > Configuration > Conference Settings > Conference Connection**. This option provides you the ability to continue an

ongoing call at the start of the next scheduled meeting. When this option is enabled, Cisco TMS does not disconnect the ongoing call.

This feature works only:

- When the next scheduled meeting type is **Automatic Connect**.
- When the call direction is from bridge to endpoint.
Note that when the user navigates to the **Connection Settings** tab of the conference, the message 'It is recommended not to change the default call direction, since the option **Ignore Scheduled Meeting and Continue Active Call**' is enabled. The meetings may get merged with another meeting, if there is a resource conflict for any of the participants.' is displayed.

This feature is for the following scenarios:

- Endpoint has ongoing adhoc call which conflicts with a scheduled call.
- Endpoint has ongoing scheduled call which conflicts with another scheduled call where the **Resource Availability Check on Extension** option is set to **Ignore** in **Administrative Tools > Configuration > Conference Settings > Conference Extension**.

This feature does not have any impact on the end of a scheduled call.

Conference Extension Functionality Improvement

The conference extension functionality is also improved in this release. During Auto Extension of a scheduled meeting with *Automatic Best Effort* option, for the first auto extension the meeting is extended irrespective of the number of participants connected in the conference. Subsequent extensions will happen only if more than one participant is connected.

To use this functionality, you need to define the following settings:

- **Extend Conference Mode** settings in **Administrative Tools > Configuration > Conference Settings > Conference Extension** is set to *Automatic Best Effort*.
- **Maximum Number of Automatic 15-minute Extensions** value in **Administrative Tools > Configuration > Conference Settings > Conference Extension** is set to greater than 1.

The participant receives the message - '**This meeting cannot be automatically extended, as only one participant is connected**' on the endpoint before the conference is disconnected.

Note that when there is only one participant in the conference, then '**This meeting cannot be automatically extended, as only one participant is connected**' message is sent to the VCMaster. If the VCMaster is not connected in the conference, then the message is not sent to VCMaster and it is displayed in the Event Log.

H.323 Support for CMS Systems

Cisco TMS is now able to schedule incoming and outgoing H.323 calls with CMS version 2.1 and above. This functionality works when VCS is configured to provide H.323 to SIP interworking in CMS deployment. The email template displays the same dial in URI for SIP and H.323.

The following two options are enabled by default in **Systems > Navigator > Select a CMS > Settings > Edit Settings > TMS Scheduling Settings**:

- **Allow Incoming H.323 Dialing.**
- **Allow Outgoing H.323 Dialing.**

While upgrading from Cisco TMS 15.3 to 15.4, you have to manually enable the options in **Systems > Navigator > Select a CMS > Settings > Edit Settings > TMS Scheduling Settings**.

Disable both the options, if CMS is registered with Cisco Unified Communications Manager.

Cisco TMS Serviceability Improvements

The tmsInfo.xml has been enhanced to include additional details about Cisco TMS server environment. tmsInfo.xml file can be downloaded by the Administrator from **Administrative Tools > TMS Server Maintenance > Download Diagnostic Files**.

The following details has been included in tmsinfo.xml'

- SQL Connection String
- Option keys with a user friendly name
- TMS Services Status of TMS nodes
- The following hardware specifications:
 - Processor
 - System Memory (RAM)
 - Hard disk capacity
 - Available free space in Hard disk
- Java version
- IIS version
- Dot NET version
- Active NICs

The Operating System (OS) field has been improved to display a User Friendly name. For example: Previously it was Microsoft Windows NT 6.3.9600 and now it has been changed to Microsoft Windows 2012 R2 server.

Resolved and Open Issues

Follow the link below to find up-to-date information about the resolved and open issues in this release:

https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=283688292&rls=15.4&sb=anfr&bt=cust

You need to refresh your browser after you log in to the Cisco Bug Search Tool.

Limitations

Feature	Limitation
Time zone support	<ul style="list-style-type: none"> ■ The Cisco TMS server time zone cannot be changed. ■ International time zone amendments such as changes to DST dates or time zone regions are automatically updated on the Cisco TMS server and in Cisco TMS through Microsoft Windows Updates. The same is not true of endpoints running Cisco TelePresence TE or TC software—they have a manual pre-defined list of time zones, so any changes to DST dates or time zone regions will not be reflected. This can lead to time zone mismatch errors on direct-managed endpoints. Scheduling will not be affected, but Cisco TMS could fail to read/write time zone data.

Feature	Limitation
TelePresence Conductor scheduling	<p>TelePresence Conductor waits up to 30 seconds before releasing resources between meetings. This may cause denial of inbound and outbound calls for back-to-back meetings and utilization spikes when participants repeatedly leave and join a meeting. Bug toolkit identifier: CSCuf34880.</p> <p>This limitation will be addressed in coming releases of TelePresence Conductor and Cisco TMS.</p>
TelePresence Conductor scheduling	Multiple TelePresence Conductor cluster nodes can be added in Cisco TMS but only primary TelePresence Conductor can be used for scheduling.
TelePresence Conductor scheduling	Scheduling Cisco TMSPE-generated Collaboration Meeting Rooms is not supported.
TSP Audio and meeting extension	If two meetings are allocated the same TSP audio number by WebEx, Cisco TMS has no awareness of this when deciding whether to extend the meeting. This could lead to two conferences containing the same audio participants.
Monitoring and reporting	<ul style="list-style-type: none"> ■ Conferences using FindMe and Multiway may cause duplicates in Conference Control Center and Reporting. ■ Conferences where participants have been put on hold or have been transferred may cause duplicates in Conference Control Center and Reporting. ■ Conference Control Center and Graphical Monitor will not work in Google Chrome version 42 and above as it no longer supports Netscape Plugin Application Programming Interface (NPAPI). Until the support for Netscape Plugin Application Programming Interface (NPAPI) is completely removed in a future release, you may try the following steps to open Conference Control Center and Graphical Monitor in Google Chrome: <ul style="list-style-type: none"> a. In your system open Command Prompt as an Administrator. b. Run <code>reg add HKLM\software\policies\google\chrome\EnabledPlugins /v 1 /t REG_SZ /d java command.</code> c. Restart Google Chrome. ■ The auto refresh functionality for Participants snapshot and Event Log data in Conference Control Center does not work in any version of Google Chrome. ■ The meeting details appear gradually in Conference Control Center when Communication Security is set to <i>High</i> under TMS Tools > Security Settings > Transport Layer Security Options. We recommend to perform one of the following to improve the performance: <ul style="list-style-type: none"> - Select <i>Medium</i> or <i>Medium-High</i> security mode for Communication Security in TMS Tools > Security Settings > Transport Layer Security Options. - Use less number of users in Conference Control Center when the Communication Security is set to <i>High</i>.

Feature	Limitation
WebEx	<ul style="list-style-type: none"> ■ Advanced recurrence patterns are not supported for CMR Hybrid. When booking from the New Conference page, include WebEx before specifying the recurrence pattern to display only supported recurrence patterns. ■ Deleting a recurrent meeting series while one instance is ongoing will delete the meeting in Cisco TMS but not in WebEx. This is because WebEx does not allow changes to ongoing meetings, this includes deletion. ■ Selecting <i>Medium-High</i> or <i>High</i> option for Communication Security in Cisco TMS Tools, will lose some or all functionalities in Cisco TMS. ■ If the meeting is booked with WebEx, when you later change the conference owner in Cisco TMS, the conference owner details will only reflect in Cisco TMS and not in WebEx. Further, when you try to update the meeting in Cisco TMS, it may result in an error.
Collaboration Edge	Cisco TMS does not currently support devices that are behind Collaboration Edge.
Expressway	Cisco Expressway-C and Cisco Expressway-E will display in Cisco TMS with system type TANDBERG VCS.
System Type field	Some systems that previously contained TANDBERG in the system type may still show up as TANDBERG in Cisco TMS. This is primarily based on Cisco TMS reading the system type directly from the system's API. In some cases, Cisco TMS added the system type where one was not available through the API. Therefore, the name may continue to show up with TANDBERG in the system type.
Bottom Banners	When Bottom banner is enabled in Cisco TMS Tool, using Cisco TMS Web application in Internet Explorer 10 with enhanced security configuration enabled, disables the links and buttons at bottom of the window.
Cisco TMSPE fails to communicate with Cisco TMS	<p>Cisco TMSPE fails to communicate with Cisco TMS when the new security mode is set to <i>High</i> in Cisco TMS 15.4.</p> <p>This limitation will be addressed in forthcoming releases of Cisco TMSPE.</p>
TelePresence Conductor Clustering	<ul style="list-style-type: none"> ■ There will be no failover support for aliases if the primary TelePresence Conductor is down. If the administrator has changed some aliases in the peer TelePresence Conductor when the primary TelePresence Conductor is down, the peer TelePresence Conductor's aliases cannot be updated in TMS until the primary node is active. ■ In this release only the feedback from the primary TelePresence Conductor will be processed by Cisco TMS. This means that adhoc resolving may have impact, when the primary TelePresence Conductor is down. ■ In this release there is no support for clustered TelePresence Conductor in scheduling, routing and load balancing.
Phone Book on IX Endpoint	<p>Cisco TMS is unable to detect the software version when you add an IX endpoint.</p> <p>The Phone Book tab for IX endpoint under Systems > Navigator is configurable only for version 8.2. IX endpoint cannot fetch phone book data from Cisco TMS when you add any older version below 8.2.</p> <p>You must add an IX version 8.2 to configure phone book and then use it from the endpoint.</p>

Feature	Limitation
Virtual machine loses network connectivity intermittently for the following product versions: <ul style="list-style-type: none"> ■ VMware ESXi 5.0.x ■ VMware ESXi 5.1.x ■ VMware ESXi 5.5.x ■ VMware ESXi 6.0.x 	Windows 2012 virtual machines that use E1000/E1000e driver, experience loss of network connectivity. This issue would occur in the following environments: <ul style="list-style-type: none"> ■ The virtual machine is Windows 2012 or Windows 2012 R2. ■ The virtual machine is using E1000 or E1000E driver. A work around for this issue is to use VMXNET3 instead of E1000 or E1000e driver. For more information see the following article: https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2109922
Scheduling meetings in Cisco TMS	In some cases, Cisco TMS does not allow to book a recurrence meeting, if it overlaps with a meeting that is scheduled for 24 hours or more. Bug toolkit identifier: CSCux64873.
CMS status	Cisco TMS does not display <i>No Response from Main System</i> log in Conference Event Log when a CMS goes down during an ongoing conference.
Ignore Scheduled Meeting and Continue Active Call	This feature works only when a bridge is dialing to an endpoint.
Adding systems	Via IPv4 and IPv6: <ul style="list-style-type: none"> ■ Cisco TMS adds a system via IPv4 and the same system can also be added via IPv6 and vice versa. Via hostname and IPv6: <ul style="list-style-type: none"> ■ When you add a CMS to Cisco TMS using hostname, then same CMS can also be added to Cisco TMS using IPv6 with different System ID.

Interoperability

The 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 TelePresence products.

Upgrading to 15.4

Before You Upgrade

Redundant Deployments

Customers using a redundant Cisco TMS deployment must read the upgrade instructions in [Cisco TelePresence Management Suite Installation and Upgrade Guide 15.0](#) before upgrading to Cisco TMS15.4.

Upgrading from 14.4 or 14.4.1

Customers upgrading from 14.4 or 14.4.1 that use Cisco TMSXE or Cisco TMSXN must follow the upgrade procedure described in [Cisco TelePresence Management Suite Installation and Upgrade Guide 15.0](#) when upgrading to Cisco TMS15.4.

Upgrading From a Version Earlier than 14.2

Customers upgrading from a version of Cisco TMS earlier than 14.2 must read the upgrade instructions in [Cisco TelePresence Management Suite Installation and Upgrade Guide 15.0](#) before upgrading to Cisco TMS15.4.

Prerequisites and Software Dependencies

See [Cisco TelePresence Management Suite Installation and Upgrade Guide](#) for the full list of compatible operating systems and database servers.

Upgrade Instructions

Cisco TMS uses the same installation program for both new installations of Cisco TMS and upgrades of previous Cisco TMS versions.

See [Cisco TelePresence Management Suite Installation and Upgrade Guide](#) for complete instructions for upgrade or installation.

Using the Bug Search Tool

The Bug Search Tool contains information about open and resolved issues for this release and previous releases, 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.

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

1. Using a web browser, go to the [Bug Search Tool](#).
2. Sign in with a cisco.com username and password.
3. 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**.
2. From the list of bugs that appears, use the **Filter** drop-down list to filter on either *Keyword*, *Modified Date*, *Severity*, *Status*, or *Technology*.

Use **Advanced Search** on the Bug Search Tool home page to search on a specific software version.

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

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see What's New in Cisco Product Documentation at: www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

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