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Cisco TelePresence Management Suite 15.7

Software Release Notes

First Published: September 2020

Preface

Change History

Table 1 Software Release Notes Change History

Date	Change	Reason
July 2018	Release of Software	Cisco TMS 15.7

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 Feature in 15.7

Cisco TMS support .NET Framework 4.7

Cisco TMS now supports .NET Framework 4.7. If .NET Framework is lower than 4.7, then you cannot install Cisco TMS. Also in a co-deployment model, Cisco TMS 15.7 and Cisco TMSXE 5.7 can be co-located on the same server.

Template support for Cisco Meeting Server

Cisco TMS now allows you to add Cisco Meeting Server as a bridge in Conference Template.

Conference Join Information in Cisco TMS BAPI

Cisco TMS sends JoinUrl and JoinUrl information in response to all BAPI requests that returns conference object. JoinUrl and JoinUrl value contains URI and URL respectively that attendees will use to join the conference.

Notes:

- JoinUri is populated only when a bridge is involved in the conference. This URI value is null when a bridge is not involved in the conference.
- JoinUrl is populated only when Cisco Meeting Server is involved in the conference. This URL value is null when Cisco Meeting Server is not involved in the conference or a WebBridge is not configured for that Cisco Meeting Server.
- Both features work on API client version 20 and above.

Participant Template with DTMF support for Cisco Meeting Server

Cisco TMS sends the DTMF tones to Cisco Meeting Server. To send the DTMF tones to the participant dialed out by the Cisco Meeting Server, you must add the participant to the conference using Participant Template with DTMF Tones configured.

Note: This feature is supported only for external participants (not Cisco TMS managed participants). This feature is available only for Cisco Meeting Server 2.4.

Date selection option in Conference Diagnostics

Cisco TMS now allows you to select a date range for Conference Diagnostics. By default, the diagnostics are run for a period of seven days from the selected start date. You can only edit start date and the end date is disabled.

This feature can be set by the administrator in Administrative tools --> Diagnostics --> Conference Diagnostics.

Cisco TMS Log Collection Utility

Cisco TMS Log Collection Utility is a stand-alone tool that allows you to set Cisco TMS/TMSXE/TMSPE logs level to debug mode and also collect the logs.

Based on the components installed on your server, this tool provides the following options:

- Collect Cisco TMSXE logs via Export TMSXE Log.
- Use Export TMSXE Log.
- Collect Cisco TMS/TMSPE logs via Get TMS Logs.

Note: This tool works from Cisco TMS version 15.0 onwards.

@meet Calendar Connector scheduling

This feature will be available in an upcoming release with Webex Hybrid Calendar Services that offers Cisco TMS integration.

Conferencing Connector

Conferencing Connector (CC) is an on-premise component installed and upgraded on Cisco Expressway - C from Cisco Webex Teams Cloud. On-premise Connector is part of Calendar-Connector and is mainly responsible for @meet scheduling feature that has @meet meeting appointments. CC enables scheduling on premise resources via Webex Teams (cloud).

You cannot edit, delete, reject or create as template for the CC meetings in Cisco TMS. It can be edited or deleted only from the organizer's external calendar application, i.e. Google Calendar or Office 365. You can only view Conferencing Connector meeting and it's details in Cisco TMS.

The following features are added in the Conferencing Connector.

- Room Mailbox Mapping for Endpoint
- Webex Meeting Status

@meet scheduling

Calendar Connector configuration information is described in the Conferencing Connector configuration document that will posted shortly.

Cisco TMS feature for supporting @meet scheduling

Room Mailbox Mapping for Endpoint

Assigning Email Addresses to Endpoints

Cisco TMS allows you to add, update or remove email address for the endpoint. Email address option is used to map an email address to the endpoint in Cisco TMS for @meet scheduling using Calendar Connector. Cisco TMS internally uses email address mapping to conference rooms in customers external calendaring application and to identify the

endpoint while scheduling a conference. This is used only for '@meet scheduling experience' feature and is not a replacement for Cisco TMSXE's Systems Configuration.

You can add, update or remove Email Address from the path TMS web interface > Systems > Navigator > Find endpoint > Settings > Edit Settings.

Note: Endpoints must have unique mailbox address mapped to it.

Bulk Email Address Mapping to Endpoints

Cisco TMS allows you to export or import bulk email address by using .CSV format file to map the Room Email Address. The group must be enabled for Bulk Room Email Mapping and any user within that group can perform this activity.

You can export or import Email Address is from the path TMS web interface > Systems > Bulk Room Email Mapping.

Webex Meeting Status

Cisco TMS now displays Webex meeting as CMR Hybrid Webex in List Conference page. This is applicable when Webex is involved in the conference. Previously, when a Webex meeting is booked it was displayed as 'Booked'. Now, the Webex meeting is displayed as 'CMR Hybrid Webex'. Also, Webex column has been renamed as 'External Service'. Export Log and Export Details Log are updated with the latest changes.

Cisco Webex Room Kit Pro

Cisco TMS now supports Cisco Webex Room Kit Pro endpoints on CE 9.x software.

Features in Previous Releases

For information about new features in previous releases refer to the following links:

Cisco TMS 15.6.1

Cisco TMS 15.6

Cisco TMS 15.5

Cisco TMS 15.4

Cisco TMS 15.3

Cisco TMS15.2.1

Cisco TMS 15.1

Cisco TMS 15.0

Cisco TMS 14.6.2

Cisco TMS 14.6.1

Cisco TMS 14.6

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=15.7&sb=anfr&bt=cust V

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

Meltdown and Spectre Vulnerabilities

Performance testing has been successfully executed with Cisco TMS 15.7 on Windows Server 2016 where Cisco TMS and Microsoft SQL Server 2016 are hosted on the same machine. VMWare ESXi 6.5 patches for Meltdown and Spectre vulnerabilities (ESXi650-201803401-BG and ESXi650-201803402-BG) are applied on ESXi used for this testing. We have followed the recommended action given in Windows Server guidance to protect against speculative execution side-channel vulnerabilities article. The performance test results show no impact on Cisco TMS application due to VMWare ESXi 6.5 patches released for Meltdown and Spectre vulnerabilities.

Limitations

Feature	Limitation
Time zone support	 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 predefined 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.
TelePresence Conductor scheduling	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. This limitation will be addressed in coming releases of TelePresence Conductor and Cisco TMS
	 Multiple TelePresence Conductor cluster nodes can be added in Cisco TMS but only primary TelePresence Conductor can be used for 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.

Feature	Limitation
Monitoring and reporting	 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 does not work in Google Chrome version 42 and above, Firefox 52 and above, Opera and Microsoft Edge. Until the support for Netscape Plugin Application Programming Interface (NPAPI) is completely removed in a future release for Google Chrome and Firefox, you may try the following options to open Conference Control Center and Graphical Monitor:
	 Use Internet Explorer, version 10 or 11.
	 Re-enable NPAPI Plugin Support in Firefox 52 (32-bit) only, by overriding Firefox default settings:
	a. To enable NPAPI plugins in Firefox 52 (32-bit) only, use the about:config setting. Add new Boolean string plugin.load_flash_only
	and set it to false.
	b. Restart the browser.
	 Download and use Firefox 52 (32-bit) ESR (Extended Support Release) only, where NPAPI plugins will continue to work till March 2018. Note: If Firefox 52 (32-bit) ESR (Extended Support Release) is installed, then ensure that no other stand-alone Firefox software versions are installed.
	 Use IE Tab extension in Google Chrome:
	a. Run Internet Explorer (IE) inside Chrome (https://www.ietab.net/).
	b. When the IE Tab extension is installed in Google Chrome, you can click the IE icon that appears next to the address bar in 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 High under TMS Tools > Security Settings > Transport Layer Security Options.
	We recommend to perform one of the following to improve the performance:
	 Select Medium or Medium-High 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 High.

Feature	Limitation
WebEx	 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 Medium-High or High 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	Cisco TMSPE fails to communicate with Cisco TMS when the security mode is set to High in Cisco TMS 15.6 and later versions.
	This limitation will be addressed in forthcoming releases of Cisco TMSPE.
TelePresence Conductor Clustering	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	Cisco TMS is unable to detect the software version when you add an IX endpoint.
	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.
	You must add an IX version 8.2 to configure phone book and then use it from the endpoint.

Feature	Limitation	
Virtual machine loses network connectivity intermittently for the following product versions:	Windows 2012 virtual machines that use E1000/E1000e driver, experience loss of network connectivity. This issue would occur in the following environments: The virtual machine is Windows 2012 or Windows 2012 R2.	
■ VMware ESXi 5.0.x	■ The virtual machine is using E1000 or E1000E driver.	
VMware ESXi 5.1.x	A work around for this issue is to use VMXNET3 instead of E1000 or E1000e driver.	
VMware ESXi 5.5.x	For more information see the following article:	
■ VMware ESXi 6.0.x	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.	
Cisco Meeting Server status	Cisco TMS does not display <i>No Response from Main System</i> log in Conference Event Log when Cisco Meeting Server 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: Cisco TMS adds a system via IPv4 and the same system can also be added via IPv6 and vice versa. 	
	 Via hostname and IPv6: When you add Cisco Meeting Server to Cisco TMS using hostname, then same Cisco Meeting Server can also be added to Cisco TMS using IPv6 with different System ID. 	
Cisco Meeting Server	 There will not be any information about external dial-ins in the conference event log. 	
	 In Cisco Meeting Server 2.1, to prevent overlapping redial behavior you must set the value in Conference Settings > Connection Timeouts to minimum 45 seconds. 	
Private meeting	Private meeting feature depends upon the privacy mode for the particular endpoint.	
	Note: Known endpoints like CTS have the privacy setting set as not to display the meeting title in the upcoming meeting list.	
Support for non default port of Cisco VCS	When a Cisco VCS is added using non default port in Cisco TMS, SNMP discovery is not possible. This is a known design limitation and the SNMP community name has to be added manually in the System Navigator to clear the SNMP ticket.	
Cisco TMS LiveService does not correctly co-relate a participant to a specific coSpace	This issue occurs, as there are no polling or feedback mechanism available for Cisco Meeting Server integration with Cisco TMS. Cisco TMS is unable to correctly identify participants if they are external (not managed by Cisco TMS) and part of coSpaces.	
	In such use cases, use TelePresence Server/MCU bridges.	

Feature	Limitation
Booking Invite email contains non multisite video address	When you schedule a conference using combination of multisite and non multisite endpoints and no bridge is involved, with the direction as dial out. Then, the booking invite email contains all participants URI for both multisite and non multisite.
SuperCOP File	SuperCOP files with size more than 2 GB are not supported. If the SuperCOP file is more than 2 GB, then you must use individual COP file for each endpoint.
Event log shows call disconnected for CUCM dial in endpoints, even if the call is in connected state in Cisco Meeting Server deployment.	For this to work, proper configuration has to be done in CUCM route patterns to ensure that the URI in Cisco TMS and the one at the connection time in endpoint should be the same. Cisco TMS will mark the meeting as Connected or Disconnected based on the feedback logs from Endpoint.
Resource Availability Check on Extension	If 'Resource Availability Check on Extension' is set to 'Ignore' with 'Extend Conference Mode' set to "Automatic Best Effort", and 'Allow participants to Join Early' is set to Yes, unexpected results could occur when one participant of the meeting is in a back-to-back point-to-point meeting.

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 15.7

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 15.7 before upgrading to Cisco TMS 15.7.

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 15.7 when upgrading to Cisco TMS 15.7.

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 15.7 before upgrading to Cisco TMS 15.7.

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.

Note: Before upgrading to Cisco TMS 15.7, ensure that the Windows Updates are up to date.

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.
- 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.
- 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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