Cisco TelePresence Management Suite 14.1

Software Release Notes
Revised July 2014

Contents

Product documentation

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

- Web help integrated in the Cisco TMS software.
- Cisco TelePresence Management Suite Installation Guide
- Cisco TelePresence Management Suite Administrator Guide
- Cisco TMS Provisioning Extension Deployment Guide

New features in 14.1

Cisco TelePresence Conductor scheduling support

Cisco TMS now supports scheduling conferences with Cisco TelePresence Conductor XC1.2.

The following features have been introduced:

- Make TelePresence Conductor the preferred MCU in routing.
- Configure TelePresence Conductor alias patterns in Cisco TMS and view the regular expression for use on the TelePresence Conductor and VCS.
- Free choice of alias in booking. Create your own conference address by modifying the variable part.
- Automatic generation of conference address unless modified during booking.
- Cisco TMS will reserve conference addresses it has generated from alias patterns.
- Check availability of your chosen conference address during the booking process.
- Configure a maximum number of concurrent scheduled calls bookable on the TelePresence Conductor from Cisco TMS – does not affect the resource allocation on the TelePresence Conductor, but allows the administrator to save some TelePresence Conductor resources for ad hoc calls.
- CDRs from MCUs managed by a TelePresence Conductor if the MCUs are added into Cisco TMS. Note that the CDRs will not contain a ConferenceID.
- Monitoring of scheduled and ad hoc calls in **Conference Control Center**.

New endpoint upgrade API

Cisco endpoints running software version TC 6.0 have a new API for use in software upgrades. Endpoints on earlier TC software use the previous upgrade API.

- It is now the endpoint that retrieves the software package from Cisco TMS. The upgrade will start when the endpoint itself initiates it.
- The **System Upgrade Status** page in Cisco TMS has also been improved. The endpoint itself sends continuous feedback throughout the process. To see the upgrade status, see **Systems > System Upgrade > System Upgrade Activity Status**.

Cisco Unified CM phonebook sources

It is now possible to create a phone book source from a Cisco Unified CM list of users and their associated devices through **Phone Books > Manage Phone Book Sources**. This applies only to Cisco Unified CMs running software version 8.6.2 or later.

Cisco TelePresence Server

When booking a new conference, the **Password/PIN** field is now also applied to conferences booked using TelePresence Server version 2.3 or later.

Cisco TMS can now limit the number of ports used when scheduling a TelePresence Server 2.2 and later. Two fields have been added:

- A TelePresence Server-wide setting, **Port Reservation** in **Systems > Navigator >** select TelePresence Server **> Settings > Extended Settings,** has been added.
- The setting can be altered on a per conference basis in **Booking > New Conference >** Add some participants including a TelePresence Server **> MCU Settings** tab **>** **Port Reservation.**

New Administrator Guide and web help

Improvements to the Cisco TMS documentation for this release include:

- The Administrator Guide and web help have been merged and updated. All information is now available both in PDF on cisco.com and HTML format inside the application.

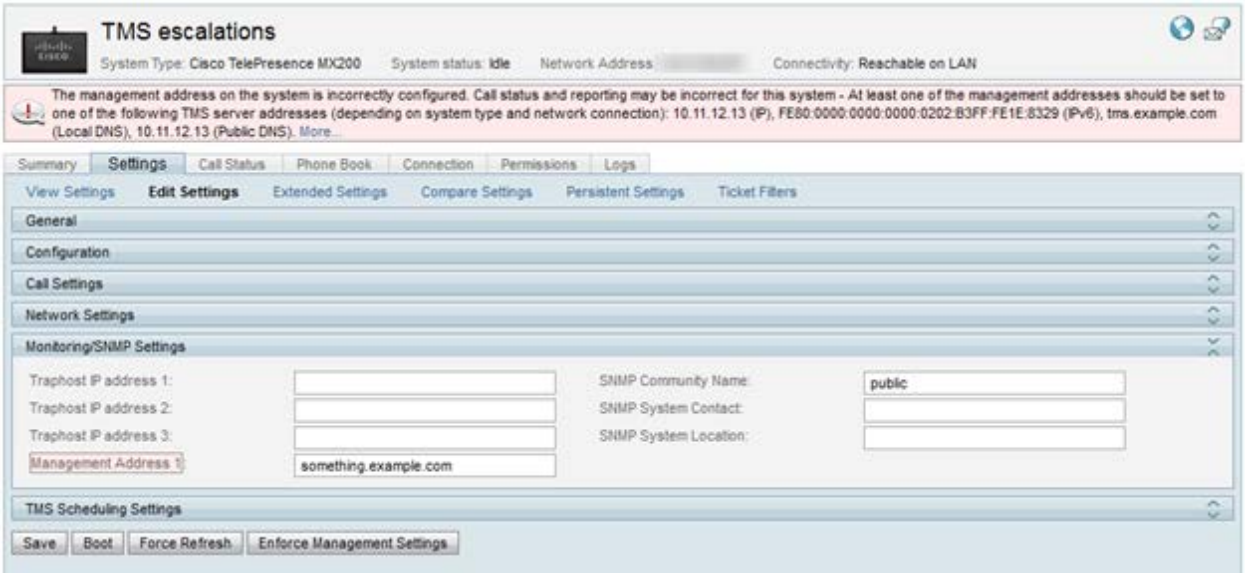
- New chapters explain routing and systems management.
- Redundancy deployment is now a part of the Administrator Guide.
- The TMS tools application is now documented in full.
- Everything is available in one pdf on Cisco.com.
- The information has been restructured to focus on the tasks carried out by the Cisco TMS users.
- All screen and field descriptions are still available as context-sensitive help from the Cisco TMS application.

As part of this consolidation, “Getting Started” is no longer a part of the Cisco TMS Installation Guide. All guidance on setting up and configurating Cisco TMS is now found in the Administrator Guide and web help.

Highlighting of fields in Systems > Navigator

When one or more settings for a managed system are incorrect, the incorrect settings are now highlighted in **Systems > Navigator** so that the administrator can easily identify which settings require attention.

The color scheme follows the Ticketing Service, where “Critical” and “Major” errors are marked in red, and “Warnings” are marked in yellow.



The Systems > Navigator **window for a system with an incorrect** management address**.**

Configurable database timeout value when upgrading Cisco TMS

The default database timeout value when upgrading Cisco TMS is 30 minutes. This value applies to each of the installer’s internal database operations. For large deployments with years of historic call or system data, some of the operations may need more than 30 minutes to complete.

The timeout value is now configurable via a command line option. To use a timeout value of 60 minutes, run the installer using the command line:

```
TMS14.1.exe /z"sqltimeout 60"
```

Substitute *60* with a higher value if needed.

We recommend using the default value of 30 minutes, and only increasing the timeout value if the initial upgrade attempt is failing.

Content Mode options on the Cisco TelePresence MCU

Cisco TMS now supports the new Content Mode settings introduced in version 4.3 of the Cisco TelePresence MCU.

In **Systems > Navigator >** select a Cisco TelePresence MCU on 4.3 or later **> Settings > Extended Settings**, the **Content Mode** setting now has the following options: *Disabled*, *Passthrough*, *Transcoded*, and *Hybrid*.

Changed in this release

Discontinued support for Cisco TMS Agent Legacy

Cisco TMS Agent Legacy has been removed from Cisco TMS 14.

If you are currently utilizing Cisco TMS Agent Legacy, you must migrate to Cisco TelePresence Management Suite Provisioning Extension (Cisco TMSPE) *before* upgrading Cisco TMS. The Cisco TMS installer will stop attempted upgrades to 14.1 if detecting that Cisco TMS Agent Legacy is in use.

For details on upgrading with provisioning, see Migrating from Cisco TMS Agent Legacy provisioning.

Note: For new installations of Cisco TMSPE with Cisco TMS 14.1, the TMS Provisioning Extension Windows service will have its Startup Type set to *Manual*. To automatically start Cisco TMSPE after server reboots, change the Startup Type to Automatic using the Windows services panel.

Cisco TMS Agent Legacy remains supported in Cisco TMS 13.2.x.

Discontinued support for Cisco TMSXE 2.x

Cisco TMS 14.1 and later does not support Cisco TMSXE 2.x. Customers still running Cisco TMSXE 2.x must migrate to Cisco TMSXE 3.x before upgrading to Cisco TMS 14.1.

Cisco TMSXE 2.x remains supported in Cisco TMS 13.2.x.

Editing of local phone books

It is no longer possible to edit local phone books for systems in **Systems > Navigator**.

Trap Log changed to Feedback Log

Reporting > System > Trap Log is now called **Feedback Log**.

Format of Active Directory username

Cisco TMS now requires the format of the Active Directory username to be:

`domain\username` or **`username@domain`**

This applies to:

- **Administrative Tools > Configuration > Network Settings > Active Directory**
- The Active Directory phone book source

Web Conferences

Cisco TMS 14.1 does not support Web Conferences: Cisco WebEx OneTouch 1.0, TANDBERG See&Share, and Microsoft Office LiveMeeting.

These solutions remain supported in Cisco TMS 13.2.x.

Cisco WebEx OneTouch 2.0 will be supported in a future version of Cisco TMS.

Cisco TMS Installer

The installer no longer enforces a reboot of the Windows Server after an upgrade. The installer now only prompts the administrator to reboot the server if necessary.

Removed the Call Status page for MCUs

Previously, Cisco TMS allowed users to create ad hoc conferences on MCUs using the **Call Status** page in the **System > Navigator**. These ad hoc conferences were assigned a number that was in the range reserved for scheduled use by Cisco TMS, and could thus lead to two conferences having the same number.

In Cisco TMS 14.1, it is no longer possible to create new conferences on MCUs using this page.

Protocol priorities when routing scheduled calls

Cisco TMS now prioritizes SIP over dialing an IP address when routing scheduled calls. Cisco TMS still prefers using H.323 (dialing the H.323 ID or E.164 alias) over SIP.

Option for database re-indexing removed

The *Re-index database* option found under **Administrative Tools > TMS Server Maintenance** has been removed. Cisco TMS no longer supports automatically re-indexing tables in the tmsng database.

Planned changes for future releases

Third party product support

We plan to withdraw support for the following systems in the next release of Cisco TMS:

- Sony PCS1
- Polycom Viewstation (1st and 2nd gen)
- Polycom iPower
- Polycom ViaVideo
- VTEL Galaxy
- Aethra VegaStar
- Rad ViaIP Gateway
- Rad ECS GK

Resolved issues

The following issues were found in previous releases and were resolved in 14.1:

Booking

Identifier	Description
CSCua57784	Resolved the issue where *One Button To Push* conferences with participants added from a phone book failed.
CSCud07712	Resolved the issue where Cisco TMS booked all ports on an MCU type system, even though the booking was not *Reservation Only*. The issue happened when a user edited an existing booking and removed all participants except the MCU.

Identifier	Description
CSCtz48797	Resolved the issue where the meeting password was not saved for a password protected meeting when the reservation type was set to *Manual Connect*.
CSCud07690	Removed the non-functioning **Details** link for external dial in participants in the **New Conference** and **Edit Conference** pages. Added a tool-tip displaying *Name* and *Direction.*
CSCtx51962	Resolved the issue where if a user cancelled an edit of a conference in **Booking >List Conferences,** the start and end time of the conference changed. When the user entered the **List Conferences** page again, the start and end time were correct.
CSCua18048	Resolved the issue where conferences created from Microsoft Outlook via Cisco TMSXE defaulted to 64k bandwidth when trying to set other values in Microsoft Outlook.
CSCua77446	Resolved the issue where scheduling a participant template made all participant templates seem scheduled in **Booking > New Conference > Add Participants** button > **Template** tab. This issue occurred for systems not managed by Cisco TMS.
CSCua23453	Resolved the issue where a system appeared as available when it was already booked. This happened when a new date had started in UTC, but not in Cisco TMS's time zone.
CSCtx73847	Resolved the issue where if scheduling a OBTP conference in Cisco TMS involving one or more "room" type systems, the Cisco TMS routing logic failed to set up the connection.
CSCud07423	When deleting a conference from a recurrent series, it was possible for the user to click **OK** without an option selected. Now the option *Delete the selected occurrence* will be preselected.
CSCtt27466	Resolved the issue where setting **Set Conferences as Secure by Default** to *Yes* in **Administrative Tools > Configuration > Conference Settings**, did not enable secure conferencing in Cisco TMS Scheduler as default.
CSCud10011	Resolved the issue where after going to **Booking > New Conference**, clicking the **Add Participant** button and adding an MCU to the conference, the **MCU** tab did not show the correct status for the MCUs.
CSCub19010	Resolved the issue where scheduling a conference with endpoints running TC/TE software or MXP endpoints when **Administrative Tools > Conference Settings > Conference Create Options > Set Conferences as Secure by Default** was set to *If Possible* or *Yes*, Cisco TMS could in certain circumstances incorrectly change the configuration.
CSCuc88037	Resolved the issue where it was possible to remove the main participant (the host or the MCU) in an ad hoc conference. This would disconnect the call.
CSCtr32362	Resolved the issue where a conference booked at midnight in Cisco TMS could be replicated to the previous day in Microsoft Exchange.

Systems Management

Identifier	Description
CSCuc65075	Removed the warning given by Cisco TMS when trying to add a Cisco VCS using the VCS's IP address. As provisioning has been improved with Cisco TMSPE, there is no longer a requirement for this warning.
CSCtx12293	Resolved the issue where a system took longer to upgrade than Cisco TMS expected and

Identifier	Description
	therefore Cisco TMS reported the upgrade as unsuccessful. This issue applied to systems running TC and TE software version 6 or earlier.
CSCud16380	Resolved the issue where if adding a system using SNMP, not all the systems capabilities were added by the first **Force Refresh**.
CSCud07392	Resolved the issue in **System Upgrade** where if **Upgrade Mode** *Basic* was selected, both .pkg and .zip files were displayed. Adding a .zip file is not a valid option here.
CSCua25689	Resolved the issue where adding a Cisco TelePresence MCU with only HTTPS enabled failed.
CSCud21809	Resolved the issue where a Cisco TelePresence MCU on a dual stack network could be added twice to Cisco TMS.
CSCuc88048	Resolved the issue where Cisco TMS did not allow the administrator to specify a user name when adding a Cisco VCS or a Cisco TelePresence Conductor. The problem occured if the default 'admin' accounts were disabled.
CSCuc88015	Resolved the issue where it was not possible to remove an inaccessible VCS from a cluster.
CSCtr32285	Resolved the issue in **Systems > Navigator >** select system **> Settings** tab **> Persistent Settings**, where the **SIP URI** field was empty even though the SIP URI had been set using **Systems > Manage Dial Plan**.
CSCty20327	Resolved the issue where exporting option key values from all systems from the **Systems Overview** page displayed the data as XML.
CSCud07618	Resolved the issue where Cisco TMS allowed adding a Cisco Unified CM several times.
CSCud10019	Resolved the issue where [IPV6] or ipv6 address (enclosed or not enclosed in square brackets) were treated as separate entries when adding systems to Cisco TMS.
CSCty90084	Resolved the issue where Cisco TMS incorrectly displayed Cisco TelePresence MCU's status as *In Call* when there was no call remaining on the Cisco TelePresence MCU.
CSCtx03704	Resolved the issue where **Systems > Navigator > System Status** could incorrectly display as *Idle* for Cisco TelePresence MCUs and Cisco TelePresence Servers when they were in a call.
CSCud07379	Improved the message where Cisco TMS displayed "an unexpected error has occurred" when viewing a Cisco Unified CM in the **System Navigator**. The issue occurred when there had been too many requests from Cisco TMS to the Cisco Unified CM over the last minute; the Unified CM then refused the connection.
CSCud07411	Resolved the issue where the registration policy for the a Cisco VCS in **Systems > Navigator** was wrong. It was always listed as *Unknown*.
CSCua84377	Resolved the issue where **System Name** for systems provisioned by Cisco Unified CM was displayed as editable in **Systems > Navigator**. Changing **System Name** of Cisco Unified CM provisioned systems must be done from the Cisco Unified CM.
CSCud07698	Resolved the issue where Cisco TMS could display erroneous warnings in **Systems > Navigator**. Cisco TMS did not compare IPv6 feedback receiver URLs correctly for Cisco TelePresence MCUs.

Phone Books

Identifier	Description
CSCub86648 CSCub86700	Resolved the issue where it was not possible to synchronize phonebook sources if the source name contained a non-standard character such as \ or “. A provisioning extension error occurred.
CSCud07646	Resolved the issue where synchronization of phone books could fail due to the provisioning phone book synchronization, even if provisioning was not enabled. Phone Book Source Activity Status displayed an error message/resent an email saying: *A phone book connected to the source {0} is currently undergoing internal maintenance*. The error also prevented other phone book jobs from running.
CSCud07492	Resolved the issue where the display of the **Manage Phone Book Sources >** Manual List sources **> View/Edit Contacts** tab only displayed half the amount of contacts the setting was set to show.
CSCua00704	Resolved the issue where searching for names in phone books on EX60 and EX90 systems containing “, ‘ or – e.g. O’Neill, produced no search results.

Monitoring

Identifier	Description
CSCub67739	Resolved the issue where **Conference Control Center** did not load a conference if one of the participants had been deleted from a file based phone book.
CSCuc65141	Resolved the issue where if scheduling a multipoint conference in Cisco TMS that included Cisco TelePresence Server (TS), the Set floor functionality showed as available even though TelePresence Server does not support this feature.
CSCtx66027	Resolved the issue where removing a participant from a multipoint call using the **Remove** option in **Conference Control Center** failed.
CSCtv21740	Resolved the issue where the date fields in the **Conference Control Center** displayed the dates of the server’s time zone instead of the time zone configured for the Cisco TMS user.
CSCuc65062	Resolved the issue where the event log erroneously displayed: "Error: No incoming video from participant: (system name)" when an administrator manually muted a participant in the **Conference Control Center**.
CSCts02684	Resolved the issue where alarms were not cleared correctly in **Conference Control Center** even though the issue had been resolved.
CSCtx27847	Resolved the issue where "&" in the conference name broke the Cisco TelePresence MCU conference snapshot in **Conference Control Center**.

Reporting

Identifier	Description
CSCud07720	Resolved the issue where Cisco TMS did not log boot events from the Cisco TelePresence Supervisor MSE 8050 or the Cisco TelePresence ISDN Gateway.
CSCtr32354	Resolved the issue where Cisco TMS displayed an error in **Reporting > Billing Code Statistics**, when trying to view detailed data records for billing codes that contain certain UTF-8 characters (for example: æ,ø,å,# and &).

Identifier	Description
CSCud07585	Resolved the issue where a boot event for a Cisco TelePresence MCU did not show in Cisco TMS when the MCU rebooted. Now, a boot event will always show immediately in Cisco TMS, but if the MCU is not available yet to report a reason for its reboot, no reason will be shown in Cisco TMS.
CSCty13851	Resolved the issue where Cisco TMS sent an incorrect “Conference ends in 5 minutes” message for a conference stretching over several days.
CSCtw61036	Resolved the issue where Cisco TMS didn’t generate a "Lost Response" trap log event for Cisco VCS systems if the network connection was lost.
CSCud07502	Resolved the issue in the **Reporting** pages where the date picker and date input fields used an inconsistent date format. The date picker used an American date format (month/date), while the date input field used a European date format (date/month).
CSCty67470	Resolved the issue where an SQL timeout error occurred when viewing Gateway CDR.

Booking API (Cisco TMSBA)

Identifier	Description
CSCud16387	Resolved the issue where GetDefaultConference method did not contain IP Bandwith or ISDN Bandwith elements. This issue only occurred when the client specified an API version later than 3.
CSCud07675	Resolved the issue where a misleading error message was displayed if no option key was installed. The error message was: "There are no Application Integration options installed".
CSCuc01451 CSCtx29637	Implemented support for ParticipantCallType *Directory*, allowing phone book entries to be used as participants.
CSCtz01880	Resolved the issue where all bookings from Microsoft Outlook (through Cisco TMSXE) and IBM Lotus Notes (through Cisco TMSXN) failed displaying the error: "You do not have enough licenses to book this conference" even though licenses were in place. The bookings did not show in Cisco TMS.
CSCud07475	Resolved the issue where Cisco TMS returned one too many days when booking conferences through the booking API (Cisco TMSBA’s function GetConferencesForUser).

TMS Tools

Identifier	Description
CSCuc65089	Resolved the issue in TMS Tools where settings for Cisco TMSPE database connections were configurable in deployments without Cisco TMSPE.
CSCuc65094	Resolved the issue in TMS Tools where Cisco TMSPE windows authentication credentials could not be validated after editing.

General

Identifier	Bug Description
CSCua60214	Resolved the issue where the third party calendar drop-down component showed an Unlicensed message when FIPS mode was enabled on the Cisco TMS server.
CSCtx39000	Corrected the issue where Russian time zones were displayed incorrectly in **Systems > Navigator >** select a system **> Settings** tab **> Time Zone** field.
CSCud07681	Resolved the issue where Cisco TMS did not respect the **Number of Days To Keep Data** setting in **Administrative Tools > TMS Server Maintenance > Purge Log Plan**.
CSCud07608	Resolved the issue where a confirmation message displayed a message containing a reference to an outdated product.
CSCud07407	Errors are no longer displayed on the **Compare Settings** tab in **Systems > Navigator** when encountering encrypted Cisco VCS passwords that cannot be verified by Cisco TMS. The passwords are now highlighted without showing errors.
CSCud07636	Improved e-mail address verification to conform to ICANN rules which allows for top level domains to be anything and also contain national characters.
CSCud10033	Resolved the issue where Cisco TMS failed to do Active Directory look-up of existing users. The issue happened if the **Lookup User Information from Active Directory** in the **Network Settings** was enabled and the **GC server or AD forest DNS name** field was empty.
CSCud07261	Resolved the issue where during installation, in an IPv6 environment and with IPv4 disabled, the Cisco TMS installer did not automatically fill in IPv6 address.
CSCud07268	Option key for Cisco TMSPE in **General Settings > Option Keys** changed to “Cisco TMS Provisioning Extension”.
CSCuc65118	Updated the Cisco TMS' list of SIP server types for the Cisco IP Video Phone E20. TE 4.1.x software allows Standard/Alcatel/Avaya/Cisco/Microsoft/Nortel/Broadsoft as valid types.
CSCua28639	Resolved the issue with incorrect distribution of participants in cascaded conference template: If you create a conference template with No Distribution routing, then create another conference template with Best Impression routing which requires cascading, the number of participants distributed to each MCU in the second conference template is incorrect.
CSCtx29067	It is now also possible to use a 10 digit base ISDN number starting with any digit in **Systems > Navigator >** select an MCU **> Settings > Extended Settings > ISDN Gateway DID First Number.**
CSCtr32338	Character limit for **Systems > Navigator > Extended Settings > First Meeting ID** for MCU and TelePresence Server increased to 19. Leading zeroes are supported.
CSCuc88003	Resolved the issue where Cisco TMS was unable to handle a search in **Systems > Configurations Templates > Configuration Templates > Select Advanced Settings**.
CSCub31632	Resolved the issue where Cisco TMS failed to import Billing Codes from a text file.
CSCty74386	Resolved the TMS Scheduler issue where adding a phone book entry as the first participant followed by a dial-out number would lead to the phone book entry replacing all other participant

Identifier	Bug Description
	addresses.
CSCud39079	Improved Cisco TMS' handling of database deadlocks.

Open issues

Identifier	Description
CSCtr17122	In **Systems > Navigator >** select a Cisco VCS **> Active Calls** tab, the **Duration** column does not show any data when there are active calls on the Cisco VCS.
CSCtw63828	A user who belongs to a group which has *Read Only* access to a system is not able to view tickets for that system in **Systems > Ticketing Service**.
CSCtr08909	In **Monitoring > Conference Control Center** when participants are moved from a scheduled conference to another conference, the participants still get the end conference notifications from the conference that they were moved from.
CSCtr35038	When a participant is added to and then disconnected from a permanent conference created on a Cisco TelePresence MCU, using Cisco TMS **Monitoring > Conference Control Center,** the participant incorrectly remains as a pre-configured participant on the MCU.
CSCtr91647	Cisco TMS always adds a Cisco TelePresence MCU for point-to-point calls with C-series endpoints if the IP bandwidth for the conference is set to more than 6000 Kbps. This occurs even though the field **External MCU Usage in Routing** is set to *Always except point to point* (**Administrative Tools > Configuration > Conference Settings > Advanced Conference Options** pane).
CSCts02650 CSCuc98312	Any communication with Cisco TelePresence MCUs/Cisco TelePresence Servers is slow when they are set to use HTTPS and HTTP is turned off.
CSCts02729	Conferences booked with audio/video dial-in participants are displayed as ad-hoc calls in **Monitoring > Conference Control Center**.
CSCtt07448	The language setting for confirmation email messages does not correspond with the language set for Cisco TMS users.
CSCub23557	An error occurs when using HTTP GET and POST to call certain methods in the Cisco TMS Booking API and Remote Setup API. A workaround is to restart IIS. You can still access the API calls by using SOAP requests. Use HTTP GET and POST only for troubleshooting purposes. Use SOAP for all normal operations. This issue does not apply to Cisco TMSXN and Cisco TMSXE.

Limitations

Equipment	Description
Cisco Unified Communications Manager registered systems	When making an ad hoc call which involves a participant which is registered to a Cisco Unified Communications Manager, the Cisco Unified CM-registered system could appear twice in the **Conference Control Center** in Cisco TMS.
MCU 42xx /45xx series MSE 84xx/85xx series	Cisco TMS 14.1 is not compatible with Cisco TelePresence MCU and MSE blades running software older than version 2.0.
Cisco VCS X6.0	If Cisco TMS reports *no http response* for a Cisco VCS running X6.0, run the following on the Cisco VCS: Log in to Cisco VCS as root. Enter: **`echo "ServerAlias *" > /tandberg/persistent/etc/opt/apache2/ssl.d/tmsfix.conf`** Enter: **`/etc/init.d/httpd restart`** This will resolve the communication issue.
Upgrading from a Cisco TMS with Agent Legacy provisioning	If upgrading from 13.2.x or any earlier version using the legacy provisoning feature, you must migrate to Cisco TelePresence Management Suite Provisioning Extension *before* upgrading to Cisco TMS 14.1. Note that this migration requires Cisco TMS version 13.2; if currently using an older version, you must: 1. Upgrade Cisco TMS to 13.2.x. 2. Migrate your provisioning database following the instructions in Cisco TelePresence Management Suite Provisioning Extension Deployment Guide for Cisco TMS 13.2. 3. Upgrade to Cisco TMS 14.1.

New features and changes in 14.0

Release statement

This is a controlled distribution release aimed at United States of America Federal Government customers requiring a JITC-compliant version of Cisco TMS.

This release includes specific features intended for use in environments that require using Cisco TMS as approved on the DISA Approved Products list.

Improved platform security

- Cisco TMS Windows Services now run under the Network Service account as default instead of the Local System account.
- Configuration and control files are no longer stored in the same directory as user data.
- Encryption of the Database Connection string has been upgraded to encrypt the entire connection string and now uses a FIPS-compliant encryption module.
- Configuration of the Cisco TMS setting for the software download folder has been moved from **Administrative Tools > Configuration > General Settings >** **Software FTP Directory** in the web interface to the TMS Tools application under **Directory Locations.**

Improved website security

- Additional protection against Cross-site Request Forgery and Cross-site Scripting attacks has been added.

- Permissions on the Cisco TMS web directories have been tightened.
- The default log folder is now **C:\Program Files\TANDBERG\TMS\data\Logs**. The previous location was **C:\Program Files\TANDBERG\TMS\wwwTMS\data\Logs**.
- All HTTPS communication is now restricted to TLS v1.0 or later. Support for SSL v3.0 and earlier has been removed.
- TLS client certificate validation in Cisco TMS has been introduced. When endpoints try to establish a TLS connection to the **/tms/public** website:
  - IIS validates the certificate against its trusted list of certificates.
  - Cisco TMS validates that the CN field of the certificate corresponds to the hostname used to contact the system. Any system that tries to impersonate another system will fail this check.
- Support for Certificate Revocation Checking has been added. When enabled, all certificates checked by the server will also check the revocation status of the certificate with its Certificate Authority.
- Client Certificate support for Cisco TMS-initiated communication to managed systems has been added. When enabled, Cisco TMS will provide a certificate if challenged when communicating to managed systems.
- Customized Banner text can now be added at the top and/or bottom of web pages and all pdf and excel document outputs.

Improved database security

- Encryption of authentication credentials stored in the database has been upgraded to use a FIPS-compliant encryption module. This new method uses a unique encryption key generated during installation of Cisco TMS.
- Support for running Cisco TMS with Windows Authenticated logins has been added. This requires additional manual configuration of the SQL database and windows server after initial installation of Cisco TMS. This functionality is recommended for JITC-compliant deployments only.

Updated TMS Tools application

The TMS Tools application has been redesigned to improve usability and incorporate the new features introduced in 14.0.

Configuration

TMS Database Connection Settings / Provisioning Extension Database Connection Settings

These sections have been updated to include authentication configuration fields.

Directory Locations

This is where the software download folder location is specified.

Security

Encryption Key

This section has been added to support the new encryption key for credentials in the database. The encryption key which will decrypt the encrypted data can be changed or entered here.

TLS Client Certificates

This section has been added to support the new TLS client certificate feature Cisco TMS uses for authenticating to systems. The x509 certificates Cisco TMS will use are specified here.

Advanced Security Settings

Cisco TelePresence Management Suite JITC Configuration Deployment Guide details how to activate these settings and perform additional Windows and Cisco TMS configuration changes that will make your installation comply with JITC operational guidelines.

- Optional Features Control:

  - **Disable TMS Scheduler**: Disables and removes links to TMS Scheduler.
  - **Disable Provisioning**: Disables and removes links to Cisco TMS Provisioning Extension.
  - **Disable SNMP**: Disables all use of SNMP within Cisco TMS.
- Auditing: **Auditing Always Enabled:** Ensures that auditing is always enabled regardless of the setting in **Administrative Tools > Configuration > General Settings >** **Enable Auditing.**
- Transport Layer Security Options:
  - **Require Client Certificates for HTTPS API:** When enabled (along with settings in IIS) Cisco TMS will require certificates from clients using public APIs.
  - **Enable Certificate Revokation Check:** When enabled, all certificates verified by the server are always checked against the revocation lists of the signing Certificate Authority. If revocation checking is enabled, and fails, the certificate will be rejected.
- Banners: Adds banners to the top and bottom of web pages and pdf and excel document outputs.

Diagnostic Tools

Scan Database for Encryption Key Mismatch

This tool scans the database to identify encrypted credentials which cannot be decrypted by the current encryption key.

A **Cleanup** option resets mismatched entries to a default value. This feature is useful if the database encryption key has been lost or is in an unknown state.

Audit log

The Audit Log will now show the IP Address of the client machine used to make a change in Cisco TMS. For changes made by a service user, the IP address field will be blank.

Logs

The following logs have been added to the logs downloaded when clicking on **Administrative Tools > TMS Server Maintenance > TMS Diagnostics >** **Download Log Files**:

- **event-stats.txt**
- **log-TMSAgent-console.txt**
- **phonebook-stats.txt**

Installer

The Cisco TMS installer will now state the software version which will be installed in the welcome dialog.

Obsolete functionality removed

- Cisco TMS Agent Legacy has been replaced by Cisco TMS Provisioning Extension and is no longer supported in Cisco TMS 14.0. Support for Cisco TMS Agent Legacy will continue in Cisco TMS 13.2.x.
- The **Free Busy Overview** page has been removed from Cisco TMS.
- Connection scripts for conferences created in Cisco TMS versions older than 10.0 are no longer supported. All conferences booked in Cisco TMS 10.0 or earlier must now be rebooked.
- Support for Polycom MGC MCU pre software version 7 has been removed from Cisco TMS.

Resolved issues in 14.0

The following issues were found in previous releases and were resolved in 14.0:

Booking

Identifier	Bug Description
CSCua62217	Resolved the issue where an error could appear in the log-web.txt log when adding a non-Cisco TMS-managed participant (dial-in, dial-out, phone book entry, user) to a One Button To Push conference.
CSCty98098	Resolved the issue where confirmation emails were not received when booking a One Button To Push conference which included at least one non-Cisco TMS-managed participant (dial-in, dial-out, phone book entry, user).
CSCty94156	Resolved the issue where a SIP conference scheduled on an MCU in Cisco TMS did not register as SIP if H323 was disabled on the MCU. This happened because SIP registration was dependent on the H323 MCU prefix setup, meaning it would fail if H323 was turned off on the MCU.
CSCtx64185	Resolved the issue where Cisco TMS did not register SIP participants as taking up resources in stored bookings on an MCU, which made it possible to overbook SIP participants on the MCU in subsequent bookings.
CSCua26100	Resolved the issue where in **Booking > New Conference > Recurrence Settings** the calendar sometimes did not display in the **Recurrence Settings** pop up window.
CSCua60010	In **Booking > New Conference > Add participants >** add an MCU and some participants **> OK > MCU Settings** tab – the fields on this tab will now be shown in the language the logged-in Cisco TMS user has selected. Previously they were always in English regardless of the user language selected in Cisco TMS.
CSCty32654	Resolved the issue where it was possible to double book a system, if the start date of a recurrent meeting series in which it was a participant was changed to a date in the past.

Monitoring

Identifier	Bug Description
CSCua60141	Resolved the issue where removing a participant from a scheduled One Button To Push conference did not update that participant's Meetings calendar to inform it that it had been removed from the conference.

Systems Management

Identifier	Bug Description
CSCtz83514	Resolved the issue where it was not possible to add Cisco TelePresence MX300, Profile 55 and SX20 systems which were registered to a Cisco Unified CM to Cisco TMS.
CSCua52567	Cisco TMS now downloads software and release keys for provisioned systems.
CSCua52587	Resolved the issue where enforcing management settings on a Cisco VCS in Cisco TMS changed

Identifier	Bug Description
	the external manager address set on the Cisco VCS from the FQDN of the Cisco TMS to the IP address of the Cisco TMS.
CSCua65556	Resolved the issue where it was not possible to add systems to Cisco TMS if the default ISDN or IP Zone value had been set to *None* in **Administrative Tools > General Settings > Default ISDN/IP Zone** after initially creating the default zones during the install process. A "System not found!" error was invoked.
CSCua26092	Resolved the issue where changing the **URL Where Software Packages Can Be Downloaded:** in **Administrative Tools > Configuration > Network Settings > General Network Settings** could cause a stack trace error when accessing the **Systems > System Upgrade > Software Manager** page. This happened if the IIS user Cisco TMS was running under did not have access to the folder specified. A valid error message will now appear.
CSCua26087	Removed the field **SNMP Get Community Name:** from **Systems > Navigator >** Select a system **> Connection** tab for systems which do not support this setting, for example Cisco Unified CM and Cisco TelePresence Server.
CSCua59944	Resolved the issue where no system name was displayed for systems which did not have a name. This occurred in **Systems > Event Notification Manager >** edit an account in the **Name** column. Select a system with *No Name* in the **Select Systems** column, and an event type in the **Select Event Types** column, then click on the arrow to move it into the **Stored Event Notifications** column and click **Save**. Now view the same account in **Systems > Event Notification Manager**. Nothing is displayed in the **System** column for the system name.
CSCtr25908	Resolved the issue where endpoints running TC and TE software, and the Cisco VCS showed the SNMP port as 0 instead of 161 in **Systems > System Overview >** Select a system from the **Systems** folder list and **SNMP Settings** from **System Parameters** list **>** click **View > SNMP port** column. This is a hard-coded value in Cisco TMS, it is not read from the system itself.

Phone Books

Identifier	Description
CSCua67525	Resolved the issue where incorrect data could be returned when searching via the **View Contacts** tab in an Active Directory or H.350 Phone Book Source.
CSCua60451	Resolved an issue where if there were lots of phone book contacts without any contact information, deletion of one manual contact could fail with an exception due to a time-out.
CSCua59896	Resolved an issue where synchronizing very large phone books could fail with an exception due to a time-out.
CSCua59975	Resolved the issue where deleting a very large phone book from the Cisco TMS GUI could fail due to a time-out in the SQL database.
CSCua59911	Improved GUI performance when accessing **Booking > New Conference > Add Participants…** > **Phone Books** tab and **Phone Books > Manage Phone Books >** select a very large phone book **> View Contacts** tab. These pages were very slow to load if the phone books contained thousands of contacts.

Reporting

Identifier	Description
CSCua26084	The *Utilization* option has been removed from the **Reporting > Call Detail Record > Gatekeeper and VCS > Query > Calculate by:** field. It is not possible to calculate CDRs by utilization for these products.

Installation

Identifier	Description
CSCua65350	Resolved the issue where during the installation of Cisco TMS, the **HTTPS Enable Wizard** could disappear behind the **Installer** window leading the user to think that the installer had hung. The **HTTPS Enable Wizard** will now always be on top of the Installer.
CSCua65522	Resolved the issue where errors appeared during install if TMS was deselected and only the Database was installed, during a Custom install of Cisco TMS.
CSCua60164	Cisco TMS installer will now give a proper error message when an install is attempted on the unsupported Windows 2003 64-bit operating system.

Booking API

Identifier	Bug Description
CSCua65538	Resolved the issue in the Booking API where GetDefaultConference was not versioned correctly.
CSCtr37992	Resolved the issue where the master participant in a OBTP conference did not update correctly if the conference was updated through the booking API.

General

Identifier	Bug Description
CSCua65316	Resolved the issue where the **HTTPS Enable Wizard** crashed when running with insufficient privileges. A message is now displayed if the tool is not run by a user with Administrator privileges.
CSCty46186	Resolved the issue where removing a user from an Active Directory group did not remove that user from Cisco TMS when clicking on **Administrative Tools > User Administration > Groups > Update Groups from AD** or **Administrative Tools > User Administration > Users > Synchronize all users with AD**.
CSCty90987	Resolved the issue where tickets generated from Cisco VCS alarms and/or warnings were not clearing correctly in Cisco TMS once the issue had been fixed/acknowledged on the Cisco VCS.
CSCua26063	Resolved the issue where a Lost Response event was not generated when Cisco TMS was unable to communicate with a Cisco Unified CM or a Cisco CTS system. An event will now be generated if communication is lost.
CSCua26066	Resolved the issue where a **TMS Connection Error** ticket was not generated when Cisco TMS

Identifier	Bug Description
	was unable to communicate with a Cisco Unified CM or a Cisco CTS system. A ticket will now be generated if communication is lost.
CSCua60189	Resolved the issue where changing the SMTP Server in **Administrative Tools > Configuration > E-mail Settings** did not correctly update the email server used by Cisco TMS. This was due to a caching issue whereby Cisco TMS could try to use the old server with the new server's username and password.
CSCua60131	Added event-stats.txt, log-TMSAgent-console.txt and phonebook-stats.txt to the logs downloaded when clicking on **Administrative Tools > TMS Server Maintenance > TMS Diagnostics > Download Log Files**.
CSCtw61027	Added the option to use a port other than 25 for SMTP server communication. It is now possible to add :<port number> after the SMTP server name under **Administrative Tools > Configuration > E-mail Settings > SMTP Server**.
CSCtr90501	Resolved the issue where event notification emails were not received when more than one email address was entered in **Administrative Tools > Configuration > Network Settings > Event Notification > E-mail Addresses to Receive System and Network Notifications**.

Interoperability

Compatibility with existing integration products

See the documentation for the Cisco TMS Extension products for information on compatibility with this version of Cisco TMS.

Upgrading to 14.1

Prerequisites and software dependencies

See Cisco TelePresence Management Suite Installation Guide documentation for the full list of compatible operating systems and database servers.

Upgrade and installation 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 Guide for complete instructions for upgrade or installation.

Migrating from Cisco TMS Agent Legacy provisioning

If upgrading from 13.2.x or any earlier version using the legacy provisoning feature, you must migrate to Cisco TelePresence Management Suite Provisioning Extension (Cisco TMSPE) before upgrading to Cisco TMS 14.1.

Note that this migration requires version 13.2; if currently using an older version, you must:

1. Upgrade Cisco TMS to 13.2.x.
   If upgrading from a version earlier than 13, you will need to obtain a 13 release key from Cisco to perform this upgrade.
2. Install Cisco TMSPE 1.0, migrating your provisioning database following the instructions in Cisco TelePresence Management Suite Provisioning Extension Deployment Guide for Cisco TMS 13.2.
3. Upgrade to Cisco TMS 14.1.

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.

Getting help

If you experience any problems when configuring or using <product name>, see the "Product documentation" section of these release notes. If you cannot find the answer you need in the documentation, check the web site at http://www.cisco.com/cisco/web/support/index.html where you will be able to:

- Make sure that you are running the most up-to-date software.
- Get help from the Cisco Technical Support team.

Make sure you have the following information ready before raising a case:

- Identifying information for your product, such as model number, firmware version, and software version (where applicable).
- Your contact email address or telephone number.
- A full description of the problem.

Document revision history

Date	Revision	Description
2012-12-14	01	Original version
2013-01-25	02	Updated version containing CSCub86700 and CSCub86648
2013-02-01	03	Updated version containing sw version of Cisco Unified CM for phone book source
2014-07-22	04	Updated version containing Trap Log -> Feedback Log statement