

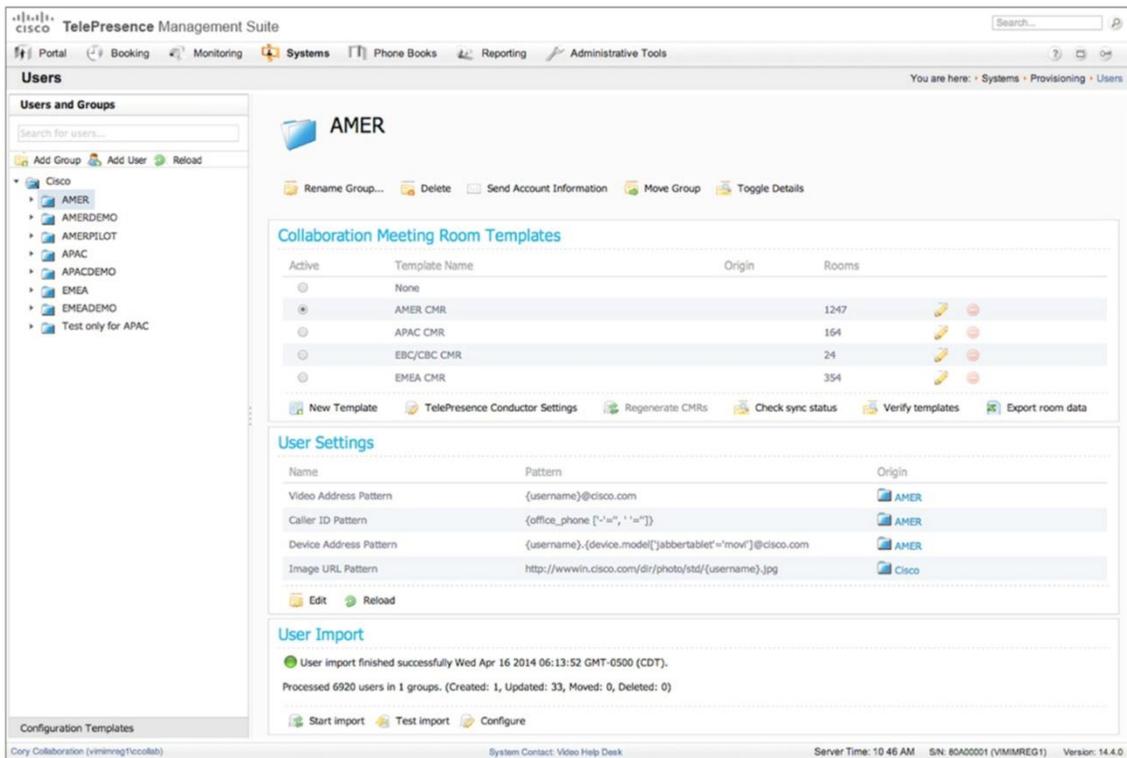
# Cisco TelePresence Management Suite Provisioning Extension

## Product Overview

As organizations embrace videoconferencing and telepresence as necessary business communications tools, the need to provision new users and endpoints, configure reachability rules, and easily schedule video and telepresence meetings becomes imperative.

Cisco TelePresence® Management Suite Provisioning Extension (Cisco TMSPE) is an extension for Cisco TelePresence Management Suite (Cisco TMS) that enables rapid provisioning of telepresence users, endpoints, and Collaboration Meeting Rooms (CMRs) for large-scale deployments (Figure 1).

**Figure 1.** Cisco TMSPE Users and Groups Administrative User Interface



Provision Collaboration Meeting Rooms (CMRs) simply and rapidly by deploying Cisco TMSPE in conjunction with Cisco TelePresence Conductor. Enabling increased scale, and reducing the administration effort required to manage conferences, Cisco TMSPE allows for automatic import of users and creation of their permanent CMRs. It also facilitates large-scale user self-service, allowing users to create and configure their personal CMR preferences and actively manage their personal CMR.

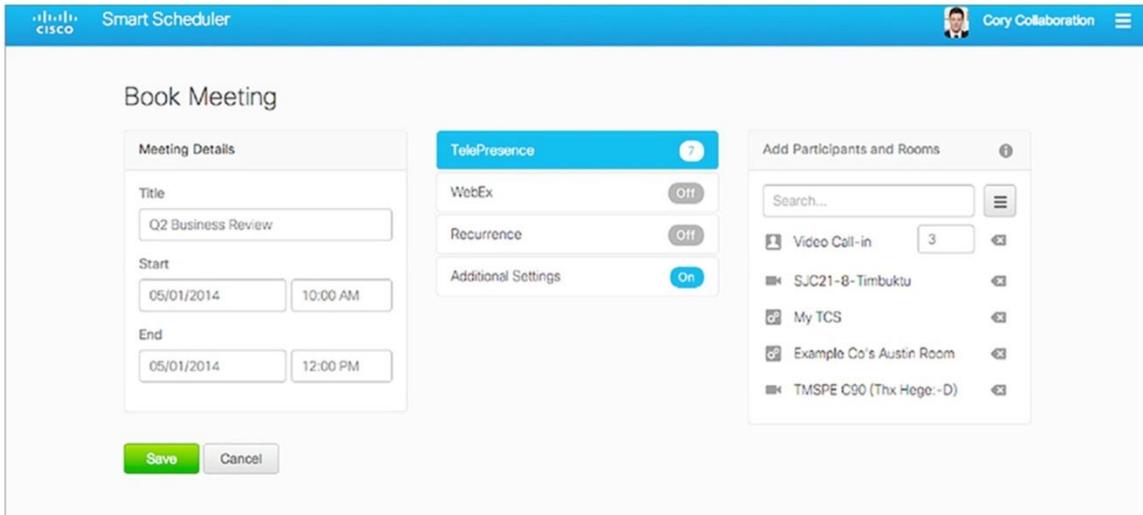
Flexible licensing options enable you to deploy Cisco TelePresence Server capabilities and CMRs in the way that best suits your needs. You can license the server on a per-host basis with Cisco Multiparty licenses. These licenses are available in the form of Personal Multiparty (named host) and Shared Multiparty (shared host) licenses (visit [Cisco.com/go/personalmultiparty](http://Cisco.com/go/personalmultiparty)). Alternatively, you can purchase screen licenses for a concurrent call-based model (traditional TelePresence Server license model). Cisco Multiparty licenses are recommended. Held centrally on TelePresence Conductor, and provisioned on TMSPE they offer increased efficiency and redundancy (Figure 2).

**Figure 2.** Collaboration Meeting Room Self-Care Portal

The screenshot displays the 'Cory's CMR' self-care portal. At the top, the Cisco logo and 'Collaboration Meeting Room' are on the left, and the user profile 'Cory Collaboration (ccollab)' is on the right. The main content area is titled 'Cory's CMR' and includes an 'Edit Name' button. Below this are several sections: 'Details' with options to connect to the CMR, create a WebEx connection, and create an email message; 'Active Meeting Manager' for accessing controls; 'Security' with fields for Host and Guest PINs and 'Save'/'Cancel' buttons; 'Layout'; and 'Auto-connected Participants'. A 'Delete' button is located at the bottom right of the interface.

Smart Scheduler is a simple, easy-to-use interface that allows users to create single and recurring meetings. As the organizer, you can add to your meeting any Cisco TMS managed telepresence rooms, personal telepresence systems, and additional call-in participants, and extend to virtually anybody using WebEx® meeting applications (Figure 3).

**Figure 3.** Smart Scheduler Interface for Simple, Intuitive Scheduling of Single and Recurrent Meetings



Additionally, Cisco TMSPE also enables users to set optional Cisco TelePresence Video Communication Server (VCS) FindMe preferences for the way they can be contacted based on availability, location, and preferred devices. This added flexibility makes it easier for users to be reached, resulting in improved productivity (Figure 4).

**Figure 4.** FindMe Interface for Setting Reachability Preferences



## Features and Benefits

Benefits of Cisco TMSPE include:

- **Scalable:** Cisco TMSPE is designed to help administrators provision a large number of geographically distributed users quickly and cost effectively.
- **Extensible:** Cisco TMSPE allows secure provisioning of users outside the enterprise firewall for increased working flexibility.

- **Simple:** Cisco TMSPE provides a centralized portal so that a user can schedule a meeting adding Cisco TelePresence Systems, including WebEx meetings, for a truly comprehensive conferencing experience.
- **Accessible:** Cisco TMSPE TelePresence User Portal allows any user with the appropriate permissions to easily configure CMR preferences for impromptu meetings.

## Features

Cisco TMSPE supports the following:

- Large-scale provisioning of up to 100,000 users across geographically dispersed locations inside and outside the firewall using Cisco TelePresence VCS and Cisco TelePresence VCS Expressway, enabling effective distribution of provisioned settings and phone books.
- Bulk import of user accounts from external directories such as Microsoft Active Directory by scheduled or on-demand synchronization, with an option to automatically send an email message containing provisioning information to users as they are imported.
- Ability to configure user groups based on geographical locations and set configuration parameters such as maximum bandwidth, endpoint device types, and access rights to phone books.
- A touch-screen-friendly Smart Scheduler interface that enables users to easily book and edit single and recurrent meetings.

Table 1 lists additional features and benefits of Cisco TMSPE.

**Table 1.** Features and Benefits of Cisco TMSPE

| Product Feature                 | Benefits   |
|---------------------------------|--|
| <b>Large-scale provisioning</b> | <p>Cisco TMSPE simplifies provisioning for up to 100,000 users:</p> <ul style="list-style-type: none"> <li>• Phone books are automatically created for all provisioned users. You can also create a customized phone book for specific user groups</li> <li>• Any phone book or corporate directory from Cisco TMS can be provisioned to any supported device</li> </ul>   |
| <b>User Import</b>              | <p>Several types of Active Directory (AD) and Lightweight Directory Access Protocol (LDAP) sources are supported for on-demand or automated import and synchronization of groups and users:</p> <ul style="list-style-type: none"> <li>• Standard Microsoft Active Directory</li> <li>• Secure Microsoft Active Directory with Kerberos</li> <li>• Standard LDAP</li> <li>• Secure LDAP with StartTLS</li> </ul> <p>The administrator can choose to automatically send the email message containing provisioning information to users as they are imported from Active Directory.</p>  |
| <b>Low-touch provisioning</b>   | <p>Cisco TMSPE supports low-touch provisioning for a variety of Cisco TelePresence systems.</p> <p>This support enables rapid provisioning of user devices, avoiding the need for manual configuration by skilled technicians while saving time, labor, and shipping costs when provisioning users and their devices.</p>  |
| <b>CMR provisioning</b>         | <ul style="list-style-type: none"> <li>• Create CMR templates and default service-level settings within the TMSPE User Provisioning page</li> <li>• Cisco TMSPE supports automated Active Directory and LDAP import of users for creating entitlement of up to 100,000 CMRs</li> <li>• An automatic administrator-configurable email is sent to auto-imported users to complete the CMR self-provisioning process</li> <li>• Enable instant WebEx for CMR users</li> <li>• The TelePresence User Portal names the meeting room and modifies default conference settings (Host and guest PIN, layout, auto-connected participants, etc.)</li> </ul> |

| Product Feature                                     | Benefits  |
|---|---|
| <b>Smart Scheduler</b>                              | <p>The Cisco TMSPE Smart Scheduler allows administrators and self-service end users to create telepresence meetings quickly and easily.</p> <p>The intuitive menus hide many of the technical configuration details (which are available in the traditional TMS Booking interface for advanced users), allowing you to easily schedule the resources you require.</p> <p>With Smart Scheduler you can:</p> <ul style="list-style-type: none"> <li>• Create and edit single and recurrent meetings<br/>(<b>Note:</b> Exceptions to a recurrent series are not supported)</li> <li>• Include Cisco TelePresence Systems and WebEx meetings in the same meeting</li> <li>• Allow additional call-in participants to join your meeting</li> <li>• Set a PIN to secure your meeting; meeting attendees must enter the PIN before they can join</li> </ul>  |
| <b>FindMe</b>                                       | <ul style="list-style-type: none"> <li>• With FindMe, you can be reached on any device using a single ID</li> <li>• You can define your locations and specify which endpoints are available to you in those locations</li> <li>• You can also specify which endpoints (video and audio only) should ring when someone calls your FindMe ID</li> <li>• FindMe also allows you to specify additional devices to be called if the default devices are busy or not answered</li> <li>• Administrators can configure account IDs for each user, set up location and device templates, and choose whether to add new devices to FindMe automatically on provisioning</li> <li>• You can create FindMe accounts to define forwarding rules for groups such as support desks</li> <li>• The FindMe portal is located on the Cisco TMS Server, where you can log on with your Active Directory credentials</li> <li>• You can access your Cisco TMSPE account settings, see your username and video address (Session Initiation Protocol Uniform Resource Locator [SIP URI]), and change your provisioning password</li> </ul> |
| <b>Cisco TMS Provisioning Extension diagnostics</b> | <ul style="list-style-type: none"> <li>• Cisco TMSPE provides updated status of each of the Cisco TMSPE services</li> <li>• An alarms pane lists problems and incidents</li> <li>• Corrective actions are included in the alarm details</li> <li>• You can download a list of all provisioned devices as comma-separated values in a file that you can open in Microsoft Excel or other applications for further processing</li> </ul>  |

## System Requirements

Table 2 lists system requirements for Cisco TMSPE.

**Table 2.** System Requirements for Cisco TMSPE

| Item   | Requirements   |
|--|--|
| <b>Cisco TMS requirements</b>                                    | <ul style="list-style-type: none"> <li>• Cisco TMS must be installed first</li> <li>• Refer to hardware recommendations later in this table</li> </ul>   |
| <b>Cisco TelePresence Conductor requirements</b>                 | <ul style="list-style-type: none"> <li>• CMR provisioning requires Cisco TelePresence Conductor</li> </ul>   |
| <b>Cisco TelePresence VCS requirements</b>                       | <ul style="list-style-type: none"> <li>• Cisco TelePresence VCS Control must be Version X8.2 or later</li> <li>• Option keys must be added for Cisco TelePresence VCS Device Provisioning and FindMe, if applicable</li> </ul>   |
| <b>Microsoft SQL Server connection</b>                           | <ul style="list-style-type: none"> <li>• TCP/IP or Named Pipes protocol must be enabled. TCP/IP is the preferred protocol (refer to next entry)</li> <li>• Microsoft SQL Server browser must be running</li> </ul>   |
| <b>Microsoft Windows Server</b>                                  | <p>If using the Named Pipes protocol for database connection, the following security updates and hotfixes to Microsoft Windows Server are required:</p> <ul style="list-style-type: none"> <li>• Microsoft Windows Server 2012</li> <li>• Microsoft Windows Server 2008 R2: <a href="http://support.microsoft.com/kb/2194664">http://support.microsoft.com/kb/2194664</a></li> </ul> <p>Note that the default connection protocol is TCP/IP. If this protocol is used, no hotfixes are required.</p>                                   |
| <b>Cisco TMS Provisioning Extension Option key</b>               | <ul style="list-style-type: none"> <li>• The key must be added in Cisco TMS under Administrative Tools &gt; General Settings, in the Licenses and Option Keys pane</li> <li>• License consumption is based on usage: the number of concurrent signed-in and provisioned devices. A user signed in to several devices simultaneously will consume one license per device</li> <li>• Provisioning Extension license is not required to install TMSPE software for purposes of using TMS Smart Scheduler and provisioning CMRs</li> </ul> |
| <b>Scheduling WebEx and Cisco TelePresence meetings together</b> | <p>In order to use Cisco TMSPE Smart Scheduler to book telepresence meetings that include WebEx meetings, you need to install Cisco TMS and TMSPE. For guidance on scheduling Cisco WebEx and Cisco TelePresence meetings together, refer to the <a href="#">Cisco TMS Configuration Guides</a>.</p>   |

| Item  | Requirements   |
|---|--|
| <b>Hardware recommendations</b>                                 | <p>We recommend the following hardware specifications depending on the size of your deployment and user base:</p> <ul style="list-style-type: none"> <li>• Small deployments: 4-GB RAM, 2-GHz dual-core processor</li> <li>• Medium-sized deployments: 4-GB RAM, 2-GHz quad-core processor</li> <li>• Large deployments: 8-GB RAM, 2-GHz quad-core processor</li> </ul>  |
| <b>Simple Mail Transfer Protocol (SMTP) server requirements</b> | <p>A valid SMTP server that will accept SMTP relay from the Cisco TMS server is required to send account information to users from Cisco TMSPE.</p>  |
| <b>User Portal Languages</b>                                    | <p>Users can select one of the following supported languages:</p> <ul style="list-style-type: none"> <li>• English</li> <li>• Chinese (Simplified and Traditional)</li> <li>• Danish</li> <li>• Dutch</li> <li>• French (France)</li> <li>• German</li> <li>• Italian</li> <li>• Japanese</li> <li>• Korean</li> <li>• Portuguese (Brazil)</li> <li>• Russian</li> <li>• Spanish (Spain)</li> <li>• Swedish</li> <li>• Polish</li> </ul> |

## Ordering Information

Cisco TMSPE software is available to download for existing Cisco TMS customers with a current support contract. The software can be installed and features such as Smart Scheduler and Collaboration Meeting Rooms are available to use freely, with no additional costs. Customers who need to provision devices against the Cisco Video Communications Server (VCS) using Cisco TMSPE, must order the appropriate licenses listed in Table 3.

Table 3 provides ordering information for the Cisco TelePresence Management Provisioning Extension.

**Table 3.** Ordering Information

| Product Name   | Part Number       |
|--|-------------------|
| <b>Initial Ordering Options for the Cisco TelePresence Management Provisioning Extension</b> |                   |
| Cisco TMS Provisioning Extension - 25 additional active devices                              | LIC-TMS-PE-25     |
| Cisco TMS Provisioning Extension - 100 additional active devices                             | LIC-TMS-PE-100    |
| Cisco TMS Provisioning Extension - 500 additional active devices                             | LIC-TMS-PE-500    |
| Cisco TMS Provisioning Extension - 2000 additional active devices                            | LIC-TMS-PE-2000   |
| Cisco TMS Provisioning Extension - 10000 additional active devices                           | LIC-TMS-PE-10000  |
| Cisco TMS Provisioning Extension - 100000 additional active devices                          | LIC-TMS-PE-100000 |
| <b>Add Device Licenses or Optional Features for Existing Installations</b>                   |                   |
| Cisco TMS Provisioning Extension - 25 additional active devices                              | L-TMS-PE-25       |
| Cisco TMS Provisioning Extension - 100 additional active devices                             | L-TMS-PE-100      |
| Cisco TMS Provisioning Extension - 500 additional active devices                             | L-TMS-PE-500      |
| Cisco TMS Provisioning Extension - 2000 additional active devices                            | L-TMS-PE-2000     |
| Cisco TMS Provisioning Extension - 10000 additional active devices                           | L-TMS-PE-10000    |
| Cisco TMS Provisioning Extension - 100000 additional active devices                          | L-TMS-PE-100000   |

**Table 4.** Multiparty licensing

|                                      |             |
|--------------------------------------|-------------|
| <b>Personal multiparty licensing</b> | CUWL-PRO-K9 |
| <b>Shared multiparty licensing</b>   | TP-SMP-K9   |

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