



# Intel Unite<sup>®</sup> Solution

## Version 4.0

### Cisco TelePresence\* Application Guide

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Revision 1.0



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# 1 Introduction

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Welcome to the Intel Unite® App Guide for Cisco TelePresence\*. This document highlights the basic information necessary to set up the app for a production environment. Specifically, this document:

- Applies to the Cisco TelePresence app for 4.0 Intel Unite® solution version 2.x.
- Pertains to 4.0 Intel Unite® software for hubs.
- Provides setup instructions for the Cisco TelePresence app for Intel Unite® solution.

## 1.1 Intended Audience

This document is designed for use by IT professionals operating in a corporate environment who are responsible for installing the Intel Unite® software and adding optional features to the application.

## 1.2 Terminology

Table 1. Terminology

Term	Description
EULA	End User License Agreement

## 1.3 References and Resources

Table 2. References and Resources

Document or Reference	Document No. / Location
Intel Unite® App for Cisco TelePresence* 2.x	<a href="https://uniteappshowcase.intel.com/">https://uniteappshowcase.intel.com/</a>
Enterprise Deployment Guide	<a href="https://www.intel.com/content/www/us/en/support/products/89294/software/software-applications/intel-unite-app.html">https://www.intel.com/content/www/us/en/support/products/89294/software/software-applications/intel-unite-app.html</a>

## 2 Cisco TelePresence\* App Setup

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This section describes the Cisco TelePresence\* app requirements, installation steps, and security.

### 2.1 Cisco TelePresence App Requirements

The Intel Unite® app must be used in a system that meets a number of requirements. This section reviews the requirements for the Cisco TelePresence device, account, and hub.

#### 2.1.1 Cisco TelePresence Device

To work with the Intel Unite® app, the Cisco TelePresence device must have firmware version 7 or 9 installed. Additionally, the management protocol enabled on the device must be HTTPS, HTTP, or Telnet. Refer to Cisco for further details regarding device setup.

**Note:** HTTP and Telnet are not secure, and transmit data in clear text.

#### 2.1.2 Account Permissions

The Cisco TelePresence device (MX300 and SX80) has two local account security levels – Admin and User. These security levels cause the Intel Unite® app for TelePresence to exhibit the following behaviors:

- Admin – All app options are available regardless of device management protocol.
- User – App has different behaviors based on the device management protocol being used:
  - Telnet – All app options are available.
  - HTTP(S) – All app options are available for TelePresence devices that have version 9 firmware. Users cannot pull the calendar or camera presets from TelePresence devices that have version 7 firmware installed.

#### 2.1.3 Hub Requirements

The hub requires the following software:

- Intel Unite® for hubs version 4.x installed.
- Windows\* 7 or 10 RS4, RS3, or RS2 (32-bit or 64-bit).
- Microsoft Internet Explorer\*.
- Intel Unite® App for Cisco TelePresence 2.x.

Additionally, the hub must:

- Allow Cisco TelePresence\* account access (refer to [Section 3](#) for more information).
- Communicate with the Cisco TelePresence device over the network.
- Connect to the Cisco device to share to a Cisco TelePresence meeting

### 2.2 Cisco TelePresence Application Installation

The installation of the Cisco TelePresence application requires interaction with the Server and the hub.

#### 2.2.1 Upload Cisco TelePresence Application Package

Complete the following from a system that is on the same network as the Admin Portal Server:

1. Open a web browser (Intel recommends using Chrome\* for this installation).
2. Browse to the Admin Portal (<https://<FDQN of Server>/intelunite/admin>).
3. Log into the **Admin Portal** with an account that has permission to upload packages.
4. Under **Device Management**, click **Upload Package**.
5. Browse to the location of the *Cisco Telepresence app .cab* package file.

6. Select the *Cisco Telepresence app .cab* package file.
7. Click the **Open** button.
8. Confirm the appearance of the **Success** message.

## 2.2.2 Approve Cisco TelePresence Application Package

Complete the following from a system that is on the same network as the Admin Portal Server:

1. Open a web browser (Intel recommends using Chrome\* for this installation).
2. Browse to the Admin Portal (<https://<FDQN of Server>/intelunite/admin>).
3. Log into the Admin Portal with an account that has permission to approve packages.
4. Under **Device Management**, click **FEATURES/APP**.
5. Click the **Package Approval** tab.
6. Click the **Approve** button for the Cisco TelePresence app package.

## 2.2.3 Add Cisco TelePresence Application to Hub Configuration

Complete the following from a system that is on the same network as the Admin Portal Server:

1. Open a web browser (Intel recommends using Chrome\* for this installation).
2. Browse to the Admin Portal (<https://<FDQN of Server>/intelunite/admin>).
3. Log into the Admin Portal with an account that has permission to create/modify configurations.
4. Under **Device Management**, click **CONFIGURATIONS**.
5. Display the list of hub configurations by clicking **Hub Configurations**.
6. Identify a hub configuration to add Cisco TelePresence capability.
7. Click **Edit** for that hub configuration.
8. Click the **plus sign** next to Cisco TelePresence under **Available Features/Apps** and verify that Cisco TelePresence is now shown under **Selected Features/Apps**.
9. Click the **Save Changes** button.
10. Confirm the hub device is assigned to a hub group that has the hub configuration with Cisco TelePresence assigned.

## 2.2.4 Download Cisco TelePresence Application to Hub

On the hub:

1. Close the Intel Unite® application for the hub if it is running.
2. Open the Intel Unite application for the hub.
3. Verify that the hub displays that it is downloading a package.
4. Click the **>>** icon on the left side to open the side panel, then click **Apps** to display the applications.
5. Verify that the Cisco TelePresence application is now listed in the Apps section.



## 3 Cisco TelePresence\* App Configuration

Configuration for Cisco TelePresence\* is completed through the use of an XML file and through setting the Cisco TelePresence app module properties.

### 3.2.1 XML Configuration Properties

An xml file is used to configure the Cisco TelePresence app. The xml file is located in the FeatureModules folder of the Cisco TelePresence app, which is under the Intel Unite ProgramData app cache.

Below is the xml file format:

```
<?xml version="1.0" encoding="utf-8" ?>
<MySettings>
  <Debug>>false</Debug>
  <Protocol>HTTPSV9FW</Protocol>
  <Hostname>10.242.195.85</Hostname>
  <Username>TestUser</Username>
  <Password>Clsc0123</Password>
  <Port>443</Port>
  <AutoDisconnect>>false</AutoDisconnect>
  <ShowMeetingOnHub>>true</ShowMeetingOnHub>
  <EnableAutoShare>>true</EnableAutoShare>
  <EnableAutoUnshare>>true</EnableAutoUnshare>
  <Icon/>
  <Name/>
</MySettings>
```

#### XML tags

- Debug – Currently not implemented
- Protocols
  - HTTPS for v9 Firmware – Manages the Cisco device using the HTTPS interface. This is a secure option.
  - HTTPS for v7 Firmware – Manages the Cisco device using the HTTPS interface. This is a secure option.
  - Telnet for v7 Firmware – Manages the Cisco device using a Telnet interface. Telnet is not secure.

**Note:** The app supports additional protocols which must be manually configured after installation. These additional protocols are not encrypted or secure.

- Hostname – Specifies the hostname or IP address of the Cisco TelePresence device that the hub will be managing.
- Username – Enables the management interfaces. The Cisco device must be set up with a username and password that has sufficient rights.
- Password – Enables the management interfaces.
- Port (Optional) – Assumes the default settings if no port is specified. Specifying a value overrides the default settings.
- AutoDisconnect – “True” enables a behavior whereby if the Intel Unite® participant list reaches zero, the Cisco TelePresence call disconnects automatically
- ShowMeetingOnHub – “True” displays the meeting title (if available) on the Intel Unite® hub splash screen in the blue bar at the bottom.
- EnableAutoShare – “True” causes the Cisco TelePresence Start Share to be triggered when someone presents through the client software for Intel Unite®.
- EnableAutoUnshare – “True” causes the Cisco TelePresence Stop Share to be triggered when all presentations through Intel Unite® are stopped.

## 3.2.2 App Module Properties

The meetings displayed on the hub for Cisco TelePresence can be customized through the Cisco TelePresence app module properties.

1. Open a web browser (Intel recommends using Chrome\* for this installation).
2. Browse to the Admin Portal (<https://<FDQN of Server>/intelunite/admin>).
3. Log into the Admin Portal with an account that has permission to modify configurations.
4. Under **Device Management**, click on **HUBS AND CLIENTS**.
5. Click the **Hubs** tab to display hub groups and devices.
6. Select the group that was assigned the configuration with the Cisco TelePresence app.
7. Select **Group Details** from the **select action** drop down menu.
8. Click the **Edit Properties** button.
9. Edit the following properties for Cisco TelePresence Module:
  - Range of Hours to Display Meetings – The meetings within this hour range will be displayed on the hub.
  - Number of Meetings to Display – This is the maximum number of meetings that will be displayed in the schedule area of hub. If more meetings are available, the meeting displayed can be changed by scrolling up and down.**Note:** The number of meetings that can be displayed is dependent on the resolution and the size of the display connected to the hub.

## 4 Cisco TelePresence\* App for 4.0 Intel Unite® Solution

Once the Intel Unite® app is installed on a hub running Intel Unite® software, the app is automatically available to any Intel Unite® client connected to the hub. The Intel Unite® app for Cisco TelePresence\* enables the hub to control the Cisco TelePresence device from the Intel Unite® client.

### 4.1 Scheduling a Meeting

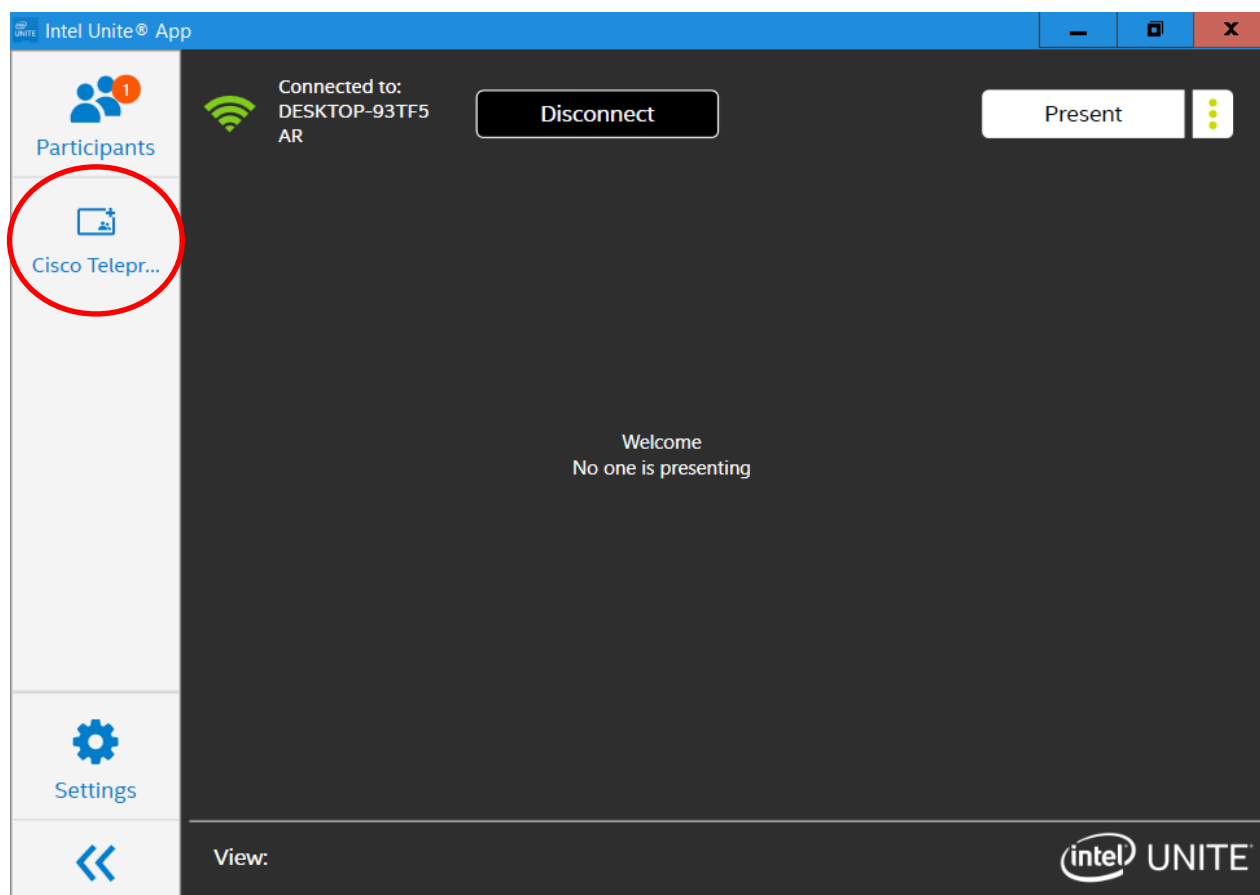
TelePresence meetings can be scheduled in a variety of ways. Contact your IT department for details.

Once a meeting is scheduled, it automatically shows up in the Intel Unite® app user interface.

### 4.2 Joining a Meeting

Users use a PIN code to connect to a session on the Intel Unite® solution. After a connection is established, the Intel Unite® app is visible at the left side of the Intel Unite® client view, as shown in [Figure 1](#). To launch the app, select the Cisco TelePresence icon located on the left of the window.

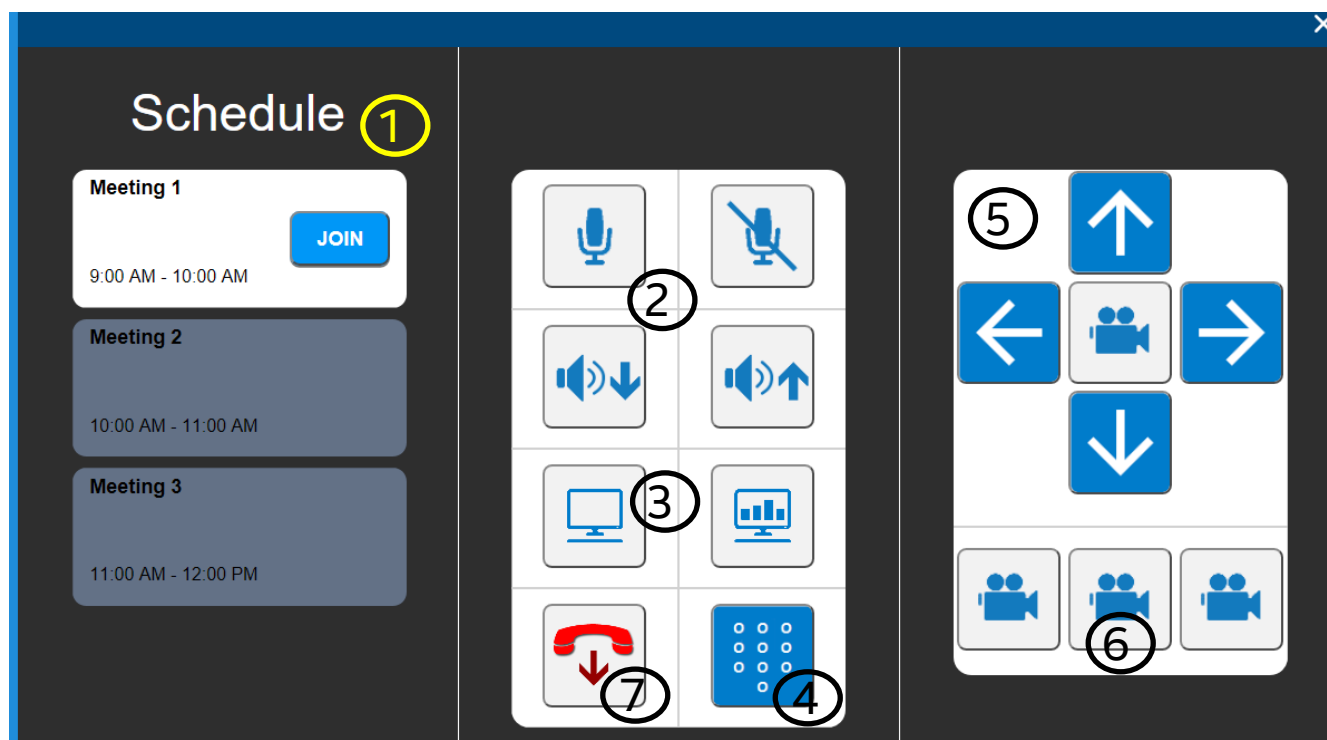
**Figure 1.** Launch the Cisco TelePresence App



### 4.3 Meeting Management

After the app launches, the app management view opens, as shown in [Figure 2](#).

Figure 2. Cisco TelePresence App Management View



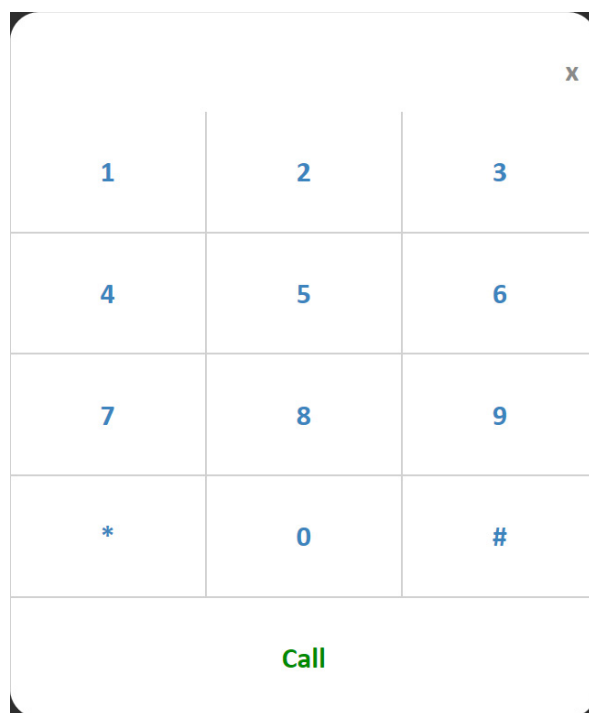
The following controls are available, corresponding with the numbering in Figure 2:

1. Meetings/No meeting available – Displays the meetings available for the telepresence device on the left:
  - Telnet – Available for Admin and User credentialed users (refer to [Section 2.1.1](#)).
  - HTTP – Available for Admin credentialed users only (refer to [Section 2.1.2](#))
2. Audio control – Allows the user to control their volume settings and mute/unmute their microphone using the icons on the right.
3. Start/stop sharing – When **Start Sharing** is clicked, the Cisco TelePresence device shares the connected device with the Cisco TelePresence meeting. The **Stop Sharing** option returns to camera view.
4. Dial pad (Open/Close) – Allows the user to place an outgoing call.
5. Camera controls – Allows the user to control a single attached camera (multi-camera is not currently supported).
6. Camera presets – These are preset for the camera set by the IT administrator.
7. Meeting end – To end a meeting, click **Leave**.

## 4.4 Dial Pad

When the dial pad icon is selected in the Cisco TelePresence management window, a complete 10-key dial pad is available, as shown in [Figure 3](#). This allows users to place outgoing calls. To place a call, enter the number, then click the green call button. The following dial pad buttons are available:

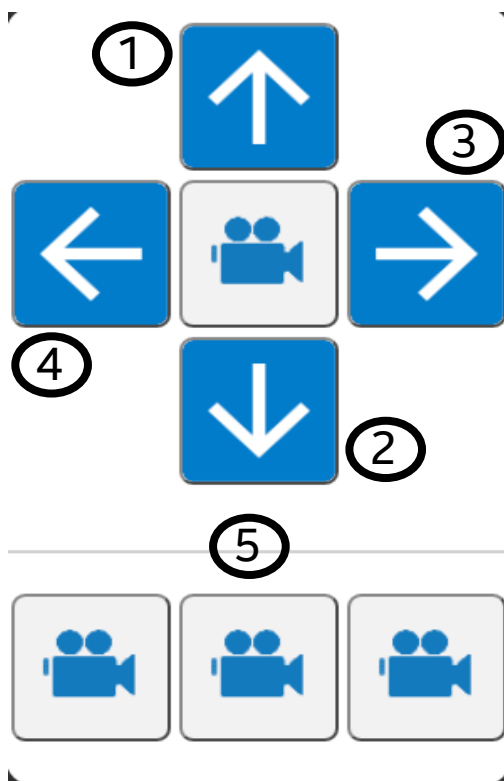
**Figure 3. Dial Pad**



## 4.5 Camera Controls

The Camera Control view (shown in [Figure 4](#)) provides movement controls to pan and tilt the camera. The following buttons are available:

**Figure 4. Camera Control**



1. Up button – Tilts the camera up.
2. Down button – Tilts the camera down.
3. Right button – Pans the camera to the right.
4. Left button – Pans the camera to the left.
5. Presets – Returns the camera position to the preset parameters defined in the Cisco TelePresence device.  
**Note:** Preset controls are available in the interface only if the camera presets have been defined in the configured room.

## 4.6 Content Sharing

When the hub is participating in a Cisco TelePresence meeting, in-room participants can see content being shared in the Cisco TelePresence meeting on the hub. This includes video, desktop, and presentations.

Users connected to the Intel Unite® solution can also present to the TelePresence meeting using the Intel Unite® app. When a user presents from the Intel Unite® app, the app shares the screen of the hub through Cisco TelePresence. All users see the content, regardless of how the content is shared.



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