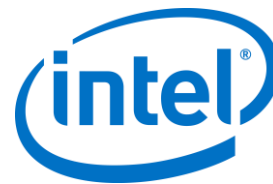


# Intel Unite<sup>®</sup> Solution

## Intel Unite<sup>®</sup> Plugin for WebEx\*

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Version 1.0



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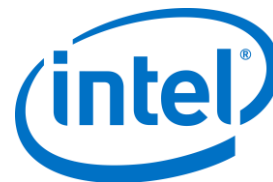
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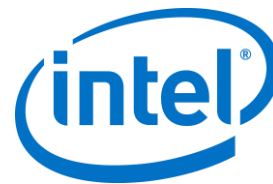
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## Revision History

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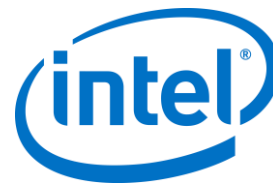
Revision	Date	Notes
0.1	January 8, 2018	First Draft with outline and content
1.0	March 2018	First Release
1.1	April 2018	Minor updates



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# 1. Introduction

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Welcome to the Intel Unite® Plugin Guide for WebEx\*.

This guide contains detailed instructions on installing the plugin for WebEx as well as information on the key features of this Intel Unite plugin.

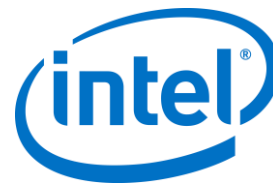
## 1.1 Audience

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

## 1.2 Overview

This plugin is a solution for including people from an online WebEx meeting into an Intel Unite® app session.

The plugin runs on the hub and obtains WebEx calendar events using the provided WebEx account. When a WebEx meeting that a hub has been invited to becomes available, users connected to the Intel Unite® solution can join the hub to the WebEx meeting through the Intel Unite app. The plugin bridges WebEx with the Intel Unite solution to provide users control of audio and video devices that WebEx is configured to use.



## 2. Plugin Setup

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### 2.1 Requirements

The Intel Unite® Plugin for WebEx\* is designed to be installed on the hub and has the following requirements.

Refer to the Intel Unite Solution Deployment Guide for detailed instructions on deploying the Intel Unite solution.

#### **Software requirements:**

- Windows\* 7, 8.1, or 10 64bit
- Intel Unite® software for the hub, version 3.0 or greater
- Microsoft Internet Explorer\*
- Internet access (which will be used to communicate with WebEx)

#### **WebEx Account:**

To use the Intel Unite Plugin for WebEx, you will need a corporate WebEx account which has permissions to view all scheduled meetings for your site.

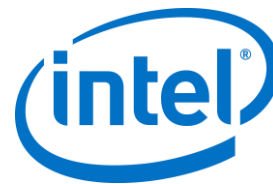
You will also need a unique email address for each hub.

**Note:** You can use the same account on all hubs being deployed in your environment. When a user schedules a WebEx meeting, they will need to invite the unique email address for the hub. The plugin will use the provided WebEx account to query for all meetings related to the unique email address.

### 2.2 Plugin Installation

On the hub:

1. Close the Intel Unite application.
2. Run the plugin installer.
3. Accept the terms in the **License Agreement**.



4. Supply the configuration options as shown below.

- **User Name:** WebEx\* account login ID used for web service calls.
- **Password:** WebEx account password used for web service calls.
- **Site Name:** The WebEx site can be determined from the WebEx URL you use. This value should be everything before **.webex.com**.
  - **Example:**
    - WebEx URL: **mycompany.my.webex.com**
    - Site: **mycompany.my**
- **Hub Email:** The unique email address assigned to the hub.

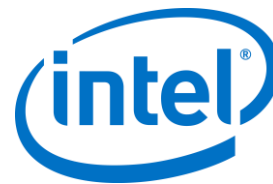
5. Select **Test** to ensure the settings are correct.

## 2.3 Admin Portal Configuration

For additional security, the Intel Unite app on the hub will verify the digital signature of a plugin before it is loaded. The trust is configured per **Profile** on the **Admin Portal**.

**NOTE:** For a test environment, you can disable the certificate verification. Refer to the **Enterprise Deployment Guide** for details.

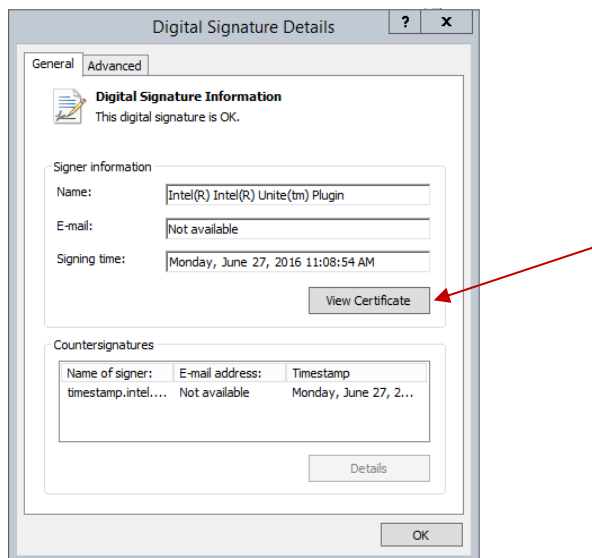
To configure this, you will need to obtain the certificate thumbprint from the DLL and then log into the Admin Portal and add it to the profile the hub is assigned to.



### 2.3.1 Obtaining Certificate Thumbprint

On the hub:

1. Open the plugin installation folder (Default C:\Program Files (x86)\Intel\Intel Unite\Hub\Plugins)
2. Right click on **WebexPlugin.dll** and choose **Properties**.
3. Select the **Digital Signatures** tab.
4. Select **Intel Unite Plugin** certificate in the **Signature List** and click on **Details**.
5. On the **Digital Signatures Details** window, click on **View Certificate**.



6. In the **Certificate** window, select the **Details** tab and scroll down until you see **Thumbprint**.
7. Select **Thumbprint**. Once the value is displayed, copy and paste it into a text file using a text editor (for example Notepad).
8. Remove the spaces and save it.

This information will be used when you update the profile for your plugin on the Admin Portal.

### 2.3.2 Admin Portal Configuration

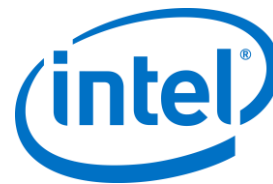
Hubs running the Intel Unite app are assigned to a profile using the Admin Portal. If a hub is not assigned to a profile, it inherits settings from the default profile.

You will need to determine which profiles the target hubs belong to and follow these steps to add a trusted certificate thumbprint. You may need to repeat these steps if you have hubs in different profiles that will run this plugin.

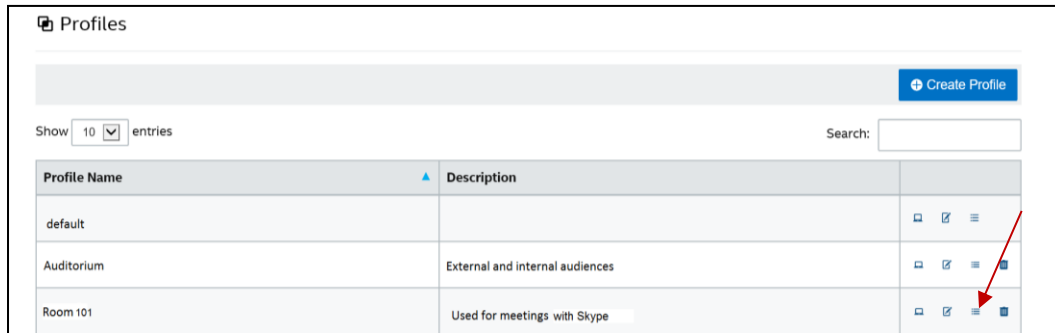
In the Admin Portal:

1. Log into the Admin Portal (<https://<servername>/admin>).





2. Select **Groups** then **Profiles**.
3. Under the **Profile Name** list, click the **View Details** icon (located in the last column on the right) for the profile that the hub will belong to. Alternatively, you may want to create a new Profile instead of using an existing one.



4. Click the **Add Profile Property** button.
5. This opens the **Add Profile Property** dialog. Enter the following information:

Add Profile Property

Profile: Room101

Key: PluginCertificateHash\_LyncPlugin

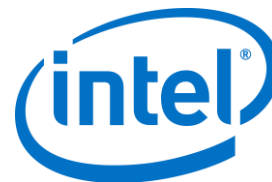
Data Type: String

Unit: Text

Value:

Save Cancel

- **Key:** PluginCertificateHash\_WebexPlugin
  - **Data Type:** String
  - **Unit:** Text
  - **Value:** Paste the thumbprint value saved in the text file from the **Obtaining Certificate Thumbprint** section of this guide.
6. Click on **Save**.



Alternately, for a test environment, you can also disable plugin certificate verification by setting **Verify Plugin Certificate Hash** key to **False** within the same profile. This is not recommended for a production environment as it is less secure.

The screenshot shows a configuration page for 'Profile:Room101' used for meetings with Skype. It features a table of profile properties. The 'Verify Plugin Certificate Hash' property is highlighted with a red circle and an arrow pointing to its value 'True'. Another red circle and arrow point to the edit icon for this property.

Key	Value	
PluginCertificateHash_LyncPlugin		
Send Error Email Address		
Service Listen Port	0	
Tile Compression	85	
Tile Size	128	
Verify Plugin Certificate Hash	True	

## 2.4 WebEx\* Browser Plugin

You can install the WebEx browser plugin for Internet Explorer by launching a WebEx meeting within Internet Explorer.

Alternately, the first time the plugin launches a WebEx meeting, the hub automatically downloads and attempts to install the WebEx browser plugin. This installation requires mouse control to confirm the Windows User Account Control (UAC) dialog.

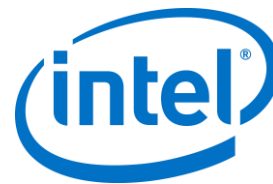
On the hub:

1. Connect a mouse and keyboard to the hub.
2. Schedule a WebEx meeting with the account used during the installation.
3. Follow the instructions in for connecting the hub to the WebEx meeting.
4. You will be prompted to install the WebEx browser plugin. Follow the prompts to complete the setup.

**Note:** This procedure only needs to be completed the first time. After the browser plugin is installed, you can disconnect the keyboard and mouse.

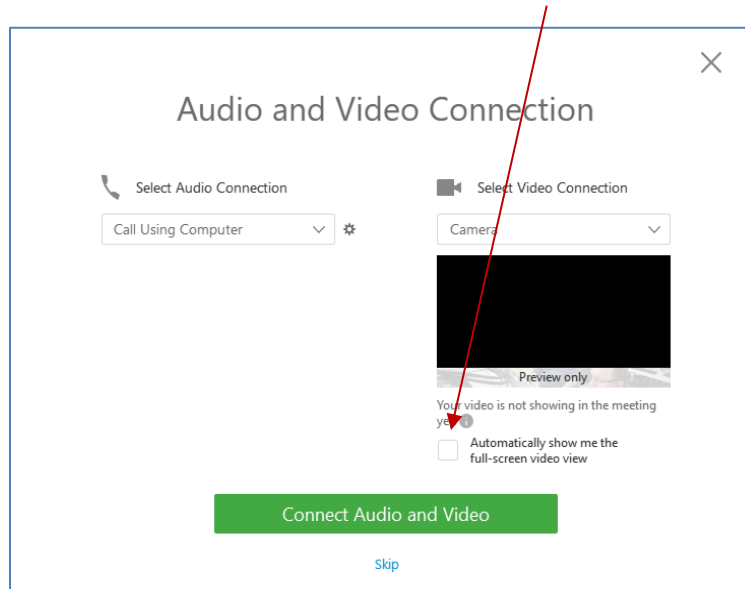
## 2.5 WebEx Audio and Video Connection Prompt

When a WebEx meeting begins, you may receive a prompt to select an audio device. This is problematic for this plugin as typically there is no keyboard or mouse connected to the hub.



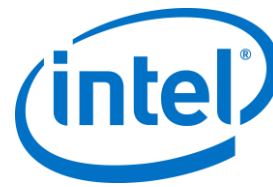
To overcome this issue, you can set WebEx to automatically select audio when connecting to a meeting.

**Important Note:** Do **NOT** enable **Automatically show me the full-screen video view**.



Using a Site Administrator account, log into the WebEx\* site administration tool. In **Common Settings**, ensure **Allow users to automatically connect to audio using computer** is enabled.

Log out and log in with the WebEx account used during installation. In **My WebEx**, select **Preferences**, and ensure **Automatically connect to audio using computer** is enabled.



## 3. Features

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After the plugin is installed on the hub that is running the Intel Unite software, the plugin is automatically available to any Intel Unite® client that connects.

The plugin features are available by clicking on the button in the plugin launcher section of the Intel Unite client user interface.

When a meeting is available, a button shows up in the plugin.

### 3.1 Scheduling a Meeting

For a meeting to be available, you must include the hub as an attendee.

From a web browser on any system:

1. Log into your company's WebEx\* site. Example: <https://<SITE>.webex.com>.
2. Select **Meeting Center**.
3. Select **Schedule a Meeting** in the left column.
4. Fill out the meeting detail, including topic, date, and time.
5. Select **Invite Attendees** and add the unique email address for the hub you want to include.
6. Select the **Schedule Meeting** button.

**Important Note:** As of this version, the invitation must be created by a WebEx account within the same site as the hub: <https://<SITE>.webex.com>.

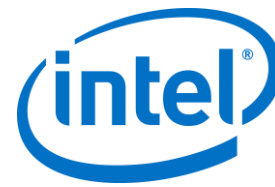
### 3.2 Joining a Meeting

When a meeting becomes available to join, a clickable button appears in the plugin in the client user interface.

1. Open the Intel Unite app on a client system and connect to a hub that has been included in a WebEx meeting.
2. Select the **WebEx Plugin** icon in the plugin launcher section of the Intel Unite client user interface.
3. Click on the available meeting.

This causes the hub to join the WebEx meeting. You should see the WebEx user interface on top of the Intel Unite app on the hub.

**Note:** When no meetings are not available, you will see a **No Meeting** icon.



### 3.3 Sharing Content

When the hub is participating in a WebEx meeting, in-room participants will be able to see content being shared to the WebEx meeting on the hub. This includes video, desktop, and presentations.

Users connected to the Intel Unite solution can also present to the WebEx\* meeting by simply presenting from the Intel Unite app. When a user presents from the Intel Unite app, the plugin will share the screen of the hub through WebEx. All users will see the content regardless of how the content is shared.