



Intel Unite[®] Plugin for Google Meet^{*}

Plugin Guide

Revision 1.0

April 2022

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Contents

1 Introduction	4
1.1 Audience	4
1.2 Plugin Overview	4
1.3 Prerequisites	4
1.3.1 Microsoft Office 365* and Microsoft* Exchange	4
1.3.2 ChromeDriver	4
2 Installation	5
2.1 Upload and Approve Package Files	5
2.1.1 .Cab Package File Functions	5
2.1.1.1 GoogleMeet.Module.cab	5
2.1.1.2 GoogleCalendarReader.Module.cab	5
2.1.1.3 ScheduleView.Module.cab	5
2.1.2 Create an SDK App in Google	6
2.1.3 Download Package Files and Install on the Hub	6
2.1.3.0.1 Exchange Calendar Reader – Basic Authentication:	6
2.1.3.0.2 Google Calendar Reader – Basic Authentication	6
2.1.3.0.3 Exchange Calendar Reader – OAuth:	6
2.1.3.0.4 Google Calendar Reader – OAuth:	7
3 Plugin Flow	8

1 Introduction

The Intel Unite® app for Google* Meet enables users to share content from the Intel Unite® app on a hub or client to a meeting. This document describes the prerequisites and installation procedure, and explains how to use the Google Meet app.

1.1 Audience

The intended audience for this document includes end-users, engineers, and IT professionals who are responsible for using, installing, configuring, or maintaining the Intel Unite® software.

1.2 Plugin Overview

The Google Meet app is a solution for including content from an Intel Unite® app session in a Google Meet meeting. The app runs on the hub of the Intel Unite® software and manages an email account specific to each hub, in order to set, modify, join, and decline meetings. By default, the plugin will manage calendar invites, accepting new and updated meetings, and declining invites that conflict with the hub calendar.

1.3 Prerequisites

The Intel Unite® app for Google Meet will be installed on the hub after being uploaded to the server. It has the following requirements:

- Intel Unite® software for the server, version 4.0 or greater.
- Intel Unite® software for the hub, version 4.1 or greater.
- Google Calendar, Microsoft Office 365*, or Microsoft* Exchange 2010 or greater.

1.3.1 Microsoft Office 365* and Microsoft* Exchange

An email account and access to the Office 365 or Exchange Web Service (<https://<server>/EWS/Exchange.asmx>) are needed for each hub because each hub requires a unique email/calendar that can be scheduled as a resource when creating a meeting. By default, the app does the following:

- Manages calendar invites.
- Sends accept messages for new and updated meetings.
- Sends decline messages for invites that conflict with existing schedules.



Note: The account type must be an email account, configured Exchange-side when the account is created. If the account is not an email account, the plugin will not work correctly. Contact your IT administrator to properly configure the account.

1.3.2 ChromeDriver

To use the Intel Unite app for Google Meet, you need a Google account and the appropriate driver for your version of Chrome. To download the Chrome driver, go to (<https://chromedriver.chromium.org/downloads>).

2 Installation

Follow the steps in this section to install the Intel Unite® plugin for Google* Meet.

2.1 Upload and Approve Package Files

Follow the steps below to download the package files and upload them to the admin portal:

1. Open a web browser and browse to <https://uniteappshowcase.intel.com/plugins>.
2. Select the Google Meet app and download its contents.
3. Browse to the admin portal (<https://<FQDN of Server>/intelunite/admin>).
4. Log into the admin portal with an account that has permission to upload packages.
5. Click **Device Management**, then select **UPLOAD PACKAGE** from the drop-down menu.
6. Select the `GoogleMeet.Module.cab` file and click the **Open** button.
7. Confirm the appearance of the Success message.
8. Repeat steps 5 through 7 for the following .cab package files, unless they are already uploaded and approved:
 - `ExchangeCalendarReader.Module.cab`
 - `GoogleCalendarReader.Module.cab`
 - `ScheduleView.Module.cab`
9. Click **Device Management**, then select **FEATURES/APPS** from the drop-down menu.
10. Click the **Package Approval** tab.
11. Click the **Approve** button next to each of the packages listed in the steps above.

2.1.1 .Cab Package File Functions

The .cab files in the previous section provide the following functions:

2.1.1.1 GoogleMeet.Module.cab

This is the Intel Unite® app for Google Meet. It provides the following controls to Google Meet:

- Join/Leave the meeting.
- Mute/Unmute meeting audio.
- Start/Stop camera
- Start/Stop sharing from the Intel Unite® client to Zoom.
- Track attendance while the meeting is in progress (client app only).

2.1.1.2 GoogleCalendarReader.Module.cab

This is the Intel Unite® app for Google Calendar Reader. It provides the following functions:

- Monitors Google Calendar for new meetings.
- Accepts/Declines meetings (Manage Calendar).

2.1.1.3 ScheduleView.Module.cab

This is the Intel Unite® app for Schedule View. It displays a list of meetings on the hub display in a partial view. The list comes from other apps. There is an API that allows other plugins to add their meetings to the schedule view. This module is used by several plugins, such as the Intel Unite® apps for Exchange Calendar Reader, Skype, Zoom, Cisco Telepresence, and others.

2.1.2 Create an SDK App in Google

Open a web browser and browse to <https://marketplace.zoom.us/docs/guides/build/sdk-app>, then follow the instructions on the webpage. The following information will be required during installation:

- Google account web domain
- SDK Key
- SDK Secret

2.1.3 Download Package Files and Install on the Hub

Exchange Calendar Reader or Google Calendar and Google Meet must both be installed on the hub for the plugin to function. If both are already installed on the hub, skip to [Section 1](#).

Follow the steps below to download the package files and upload them to the admin portal:

1. From a hub, open a web browser and browse to <https://uniteappshowcase.intel.com/plugins>.
2. Select the Google plugin and download its contents.



Note: Alternatively, the files can be downloaded from any computer to a portable drive, which can be inserted to any desired hubs.

3. Open the downloaded folder and run following installers:
 - `ExchangeCalendarReader.Installer.mui.msi`
 - `GoogleCalendarReader.Installer.mui.msi`
4. Follow the instructions in each installer's wizard when prompted. Refer to [Section 2.1.3](#) for command-line installation (silent installation).
 - If using Basic Authentication for Exchange Calendar Reader, the following information is required:
 - Exchange Server URL
 - Hub email address (Exchange username) and password
 - If using OAuth for Exchange Calendar Reader, the following information is required:
 - Tenant ID
 - Client ID
 - Client Secret



Note: For solutions using OAuth, registry with the Microsoft* Identity Platform is required. Refer to [Appendix A](#) for details.

2.1.3.0.1 Exchange Calendar Reader – Basic Authentication:

```
msiexec /i ExchangeCalendarReader.Installer.mui.msi /qn AUTHMODE=0 HUBPASSWORD=<Hub Email Password> SERVERPATH=<Exchange Server URL> HUBEMAIL=<Hub Email Address>
```

Replace the following values with the appropriate information from [Section 2.1.3](#) and remove the brackets:

- <Hub Email Password>
- <Exchange Server URL>
- <Hub Email Address>

2.1.3.0.2 Google Calendar Reader – Basic Authentication

2.1.3.0.3 Exchange Calendar Reader – OAuth:

```
msiexec /i ExchangeCalendarReader.Installer.mui.msi /qn AUTHMODE=1 HUBEMAIL=<Hub Email Address> TENANTID=<Tenant ID> CLIENTID=<Client ID> CLIENTSECRET=<Client Secret>
```

Replace the following values with the appropriate information from [Section 2.1.3](#) and remove the brackets:

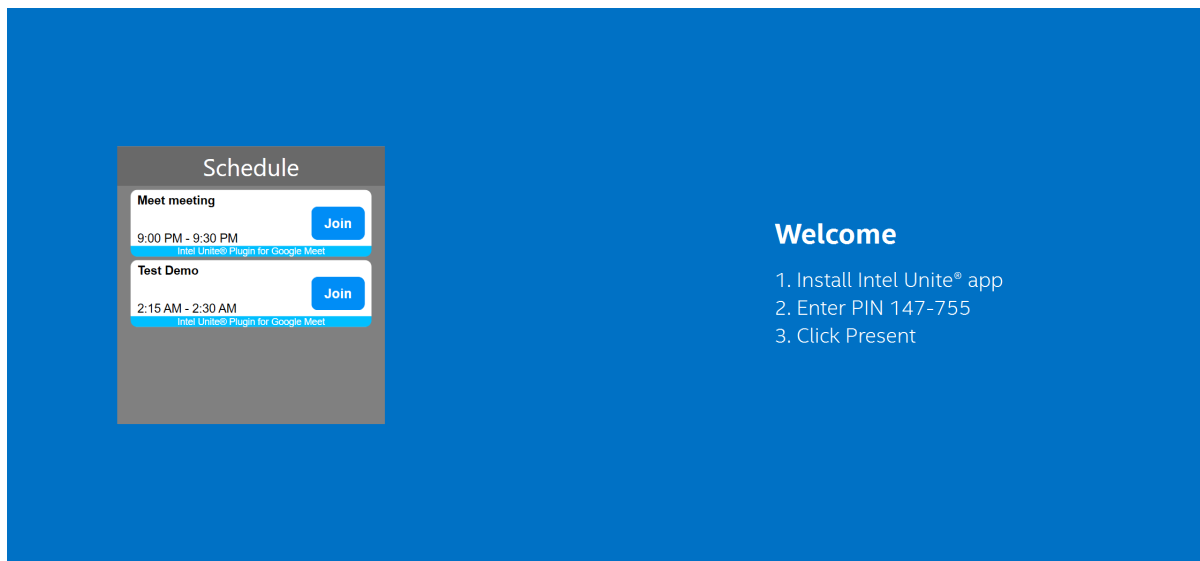
- <Hub Email Address>
- <Tenant ID>
- <Client ID>
- <Client Secret>

2.1.3.0.4 Google Calendar Reader – OAuth:

3 Plugin Flow

After following the instructions in [Section 2](#), the Intel Unite® app for Google Meet is ready for use. The typical app flow is described below:

1. The host (a Google Meet user) creates a Google Meet meeting using the email assigned to the hub and adds the hub to the invite list.
2. Once the meeting has been created and the hub has been invited, the hub will automatically accept or decline the meeting based on availability as determined by Exchange Calendar Reader or Google Calendar.
Note: If a new meeting conflicts with an existing meeting, the new meeting is declined.
3. On the welcome screen, the schedule view shows the meetings for the next 24 hours.



1. When the meeting begins, the meeting list from the hub is shown on both the hub and clients.
2. Clients and hubs display the following controls:
 - Start/Stop Video
 - Increase/Decrease volume
 - Mute/Unmute Audio
 - Join/Leave Meeting