

CISCO *Live!*

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Deploying a Webex Guest to Guest Meeting App

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Workshop Objectives

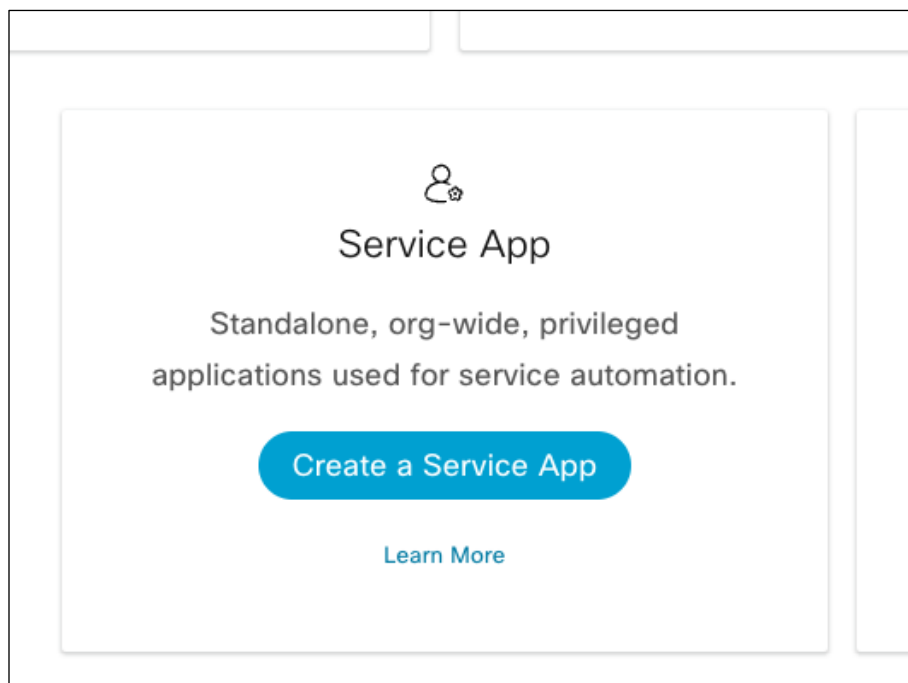
Upon completion of this lab, you will be able to:

1. Create a **Webex Service App** to facilitate a **Guest to Guest Meetings** demo.
2. Request an admin to authorize the Service App.
3. Act as the admin that authorizes the Service App in Control Hub.
4. Retrieve an access token for the sample Guest-to- Guest Meetings app.
5. Configure the Guest to Guest Meetings app with an access token and explore the sample Python code.
6. Run the sample app to create and start a meeting between guest users.

Step 1: Create a Webex Service App

First step is to register a new Service App in the *Webex for Developers* portal.

1. In a new browser tab, log in to `developer.webex.com` with credentials that were provided.
2. Up on the top right corner of the page, click your avatar and then select 'My Webex Apps'.
3. On the 'Create a New App' page, find the Service App card and click the '**Create a Service App**' button.




4. Fill out the webform to register a new service app.
 - a. **App Name**- user-xx-g2g-lab
 - b. **Icon**- *Select any color icon*
 - c. **Description**- "Testing guest to guest meetings"
 - d. **Contact Email**- Use the email from your assigned Webex login credentials

New Service App





App name*
Name of your service app as it will appear in Webex.

user-42-g2g-lab

Icon*
Upload your own or select from our defaults. Must be exactly 512x512px in JPEG or PNG format.


Edit

Description*
Provide some details about what your app does, how it benefits users, and most importantly, how a user can get started using it. The description should be under 1024 characters. You can use bullets, links, and Markdown formatting. If your app is listed on the Webex App Hub, this field will be used as the listing's description.

Testing guest to guest meetings.

Supported markdown992 characters remaining

Contact Email*

station42@pbellant-5xtv.wbx.ai

(instructions continue next page)

e. **Scopes**- Select the following scopes for the guest-to-guest sample app:

- meeting:schedules_read
- meeting:schedules_write
- guest-meeting:rw
 - *Use the browser's "find" to quickly jump to each scope.*

Scopes
Scopes define the level of access that your service app requires.
[Learn more](#)

scroll through many options

☒ meeting:schedules_write
Create, manage, or cancel your scheduled Webex meetings

☒ meeting:schedules_read
Retrieve your Webex meeting lists and details

☒ guest-meeting:rw
Ability to orchestrate guest-to-guest meetings via Service App

By creating this app, you accept the [Terms of Service](#) and [Privacy Statement](#).

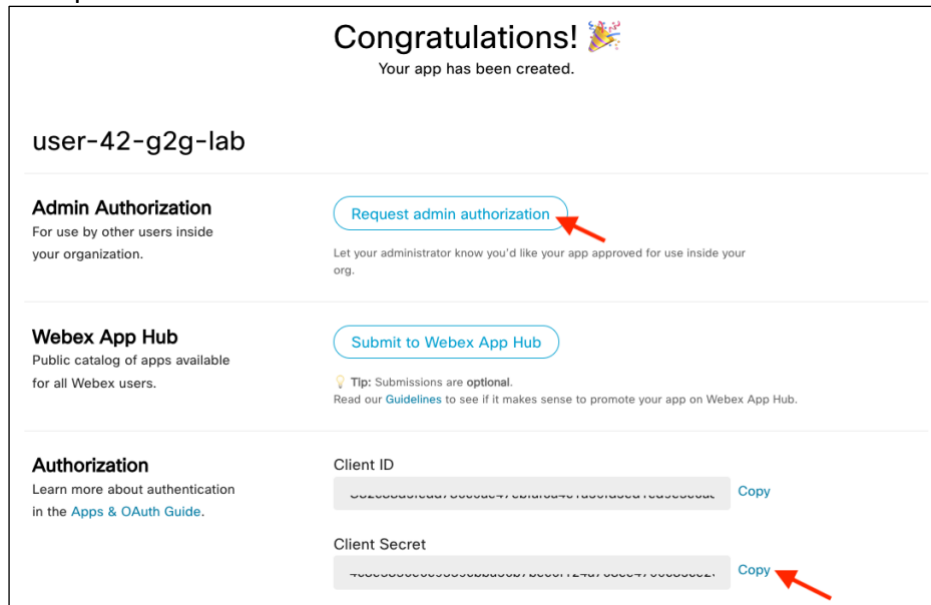
CancelAdd Service App

5. Click the **'Add Service App'** button to finish registration.

Step 2: Request Admin Authorization

After successfully registering the Service App, you are taken to a page that contains a *Client ID* and *Client Secret*. This is also where you request admin authorization for the Service App.

1. Copy & paste the *Client Secret* value into a notepad for later use. *Do note, this client secret is only shown once.*
2. Click the '**Request admin authorization**' button and keep the browser tab open.



The screenshot shows a web page with a white background. At the top, it says "Congratulations!" with a small icon of a party hat and confetti. Below that, it says "Your app has been created." The main heading is "user-42-g2g-lab". There are three main sections: "Admin Authorization", "Webex App Hub", and "Authorization". The "Admin Authorization" section has a button labeled "Request admin authorization" with a red arrow pointing to it. The "Webex App Hub" section has a button labeled "Submit to Webex App Hub". The "Authorization" section shows the "Client ID" and "Client Secret" values, both with "Copy" buttons next to them. A red arrow points to the "Copy" button for the "Client Secret".

Congratulations!
Your app has been created.

user-42-g2g-lab

Admin Authorization
For use by other users inside your organization.

[Request admin authorization](#)

Let your administrator know you'd like your app approved for use inside your org.

Webex App Hub
Public catalog of apps available for all Webex users.

[Submit to Webex App Hub](#)

Tip: Submissions are optional.
Read our [Guidelines](#) to see if it makes sense to promote your app on Webex App Hub.

Authorization
Learn more about authentication in the [Apps & OAuth Guide](#).

Client ID
[Redacted] [Copy](#)

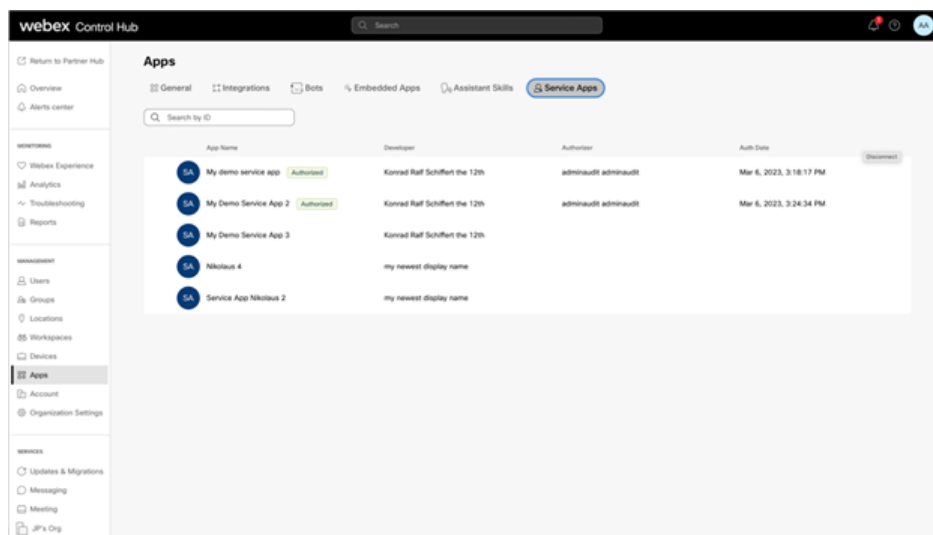
Client Secret
[Redacted] [Copy](#)

3. *In the next section, you will act as the administrator to authorize the app.*

Step 3: Authorize the Service App

Act as the Webex admin to authorize your own Service App in Control Hub.

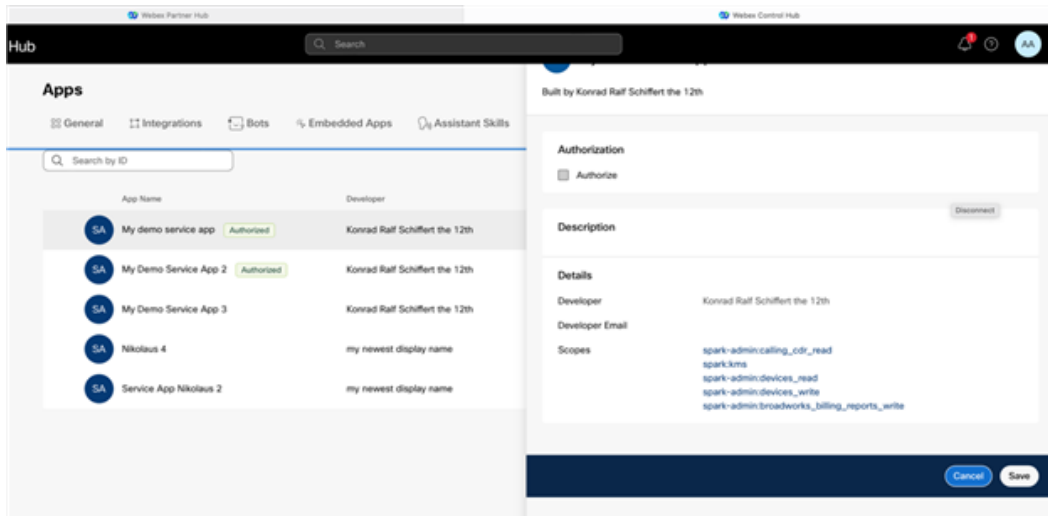
1. Open a new browser tab and navigate to: admin.webex.com/login
2. Use the same login credentials that you were assigned.
3. Inside Control Hub, under the **Management** section in the left menu, select **Apps**.
4. On the **Apps** page, select the **Service Apps** tab.



5. Find the Service App name you just created (user-xx-g2g-lab) and click on it. This will open the description of the Service App.

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6. In the Service App description window, click **Authorize** and then click **Save**.



Step 4: Retrieve the Access Token

After you authorize the Service App in as the admin, you can retrieve the access token.

1. Go back to the browser tab that displays the *Client ID* and *Client Secret* and refresh the page.
2. In the '**Org Authorizations**' section, select the test org name from the dropdown menu.
3. Paste in the *Client Secret* value from your notepad in the field below, then click the 'Generate tokens' button.

Org Authorizations
Select an org from the dropdown menu or search by org ID. Enter your client secret to generate tokens.

pbellant-5xtv

Search by org ID

Org name	Org ID
pbellant-5xtv	Y2lzY29zcGFyazovL3VzL09SR0FOSVpBVEI...

.....

Generate tokens

4. Copy & paste the access_token value in your notepad for later use.
Token values are only shown one time.

Org Authorizations
Select an org from the dropdown menu or search by org ID. Enter your client secret to generate tokens.

pbellant-5xtv

Search by org ID

Org name	Org ID
pbellant-5xtv	Y2lzY29zcGFyazovL3VzL09SR0FOSVpBVEI...

.....

Generate tokens

refresh_token
..... Copy

access_token
..... Copy

Step 5: Configure & Explore the G2G Meetings App

Now that the access token is ready, we can insert it into the sample Python app.

A. Get the development environment ready.

1. Open a command line window and navigate to the webex-g2g-app directory.
 - `cd Desktop/WORKSHOP_FOLDERS/DEVWKS-2903-G2G/webex-g2g-app`
2. Initialize the virtual environment with this command.
 - `source venv/bin/activate`
3. Open the directory in Visual Studio Code with this command:
 - `code .`

B. Add the access token to the environment file in VS Code.

1. In the Explorer section in VS Code, open the `.env.sample` file.
2. Set the environment variable with the access token value you copied earlier by replacing the text in-between the quotes.
 - `WEBEX_ACCESS_TOKEN='Qdjfufn4uf45_example'`
 - Save the file.
 - In the Explorer section in VS Code, right-click the `.env.sample` file, select “Rename...”, and make the new filename: `.env`

C. Explore the webex.py and app.py scripts in VS Code.

Step 6: Launch & Use the G2G Meetings App

Now that the app is deployed, let's get it started.

1. Go back to command line window in the directory:
`webex-g2g-app`
2. Launch the app using the following command:
 - `flask run`
3. If successful, you should see a response that provides the localhost URL like this:

* Running on `http://127.0.0.1:5000`
4. Next, open a browser and navigate to that localhost URL.
5. You should now see the **Guest-to-Guest Meeting Helper** screen, where the meeting is configured.

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6. Complete the steps as shown in the illustration below:
 - A. (1) Type in any meeting title.
 - B. (2) Use the default date and time that is auto filled.
 - a. If you select “Yes” for “Join Before Host”, it allows the “join link” to be used immediately without having to *start* the meeting first.
 - C. (3) The **Meeting Outcome** section is read-only information.
 - D. (4) Make two guest users.
 - E. (6) Before starting the meeting, right-click and *copy* the “Join Meeting” link for the 2nd meeting guest to use after the meeting starts.
 - F. (5) Click the Start Meeting link to launch the meeting in your browser.

Webex Guest to Guest Meeting Helper
 This tool allows you to schedule a meeting and generate join links for each guest.
 Fill out the form below to schedule a meeting, and then use the form to generate join links for each guest.

Meeting Creator
 Meeting Title: **Make up a title** (1)

Start Time (ISO format):
 Use today's date and future time

End Time (ISO format):
 Use future date (2)

Join Before Host:
 Yes or no

Click to schedule

Meeting Outcome
 Create Meeting Outcome
 Meeting ID: **Meeting ID** (3)
 Meeting password
 Status

Meeting Join Links
 Create meeting join links for each meeting guest.

Guest Display Name:
 Give each guest a name (4)

Click "Create Link" button for each guest

Meeting Join Links
 Join links for each guest will be displayed here.

Guest Name	Start Link	Join Link
Dr. Smith	<input type="button" value="Start Meeting"/>	<input type="button" value="Join Meeting"/>
Patient 1	<input type="button" value="Start Meeting"/>	<input type="button" value="Join Meeting"/>

Start meeting first (5)
Join active meeting (6)

7. To test a guest-only meeting scenario by yourself, open an incognito browser tab and paste the join link (6) URL in the address bar.
 - Alternatively, you can send the join link to another attendee to join your meeting as the guest.

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