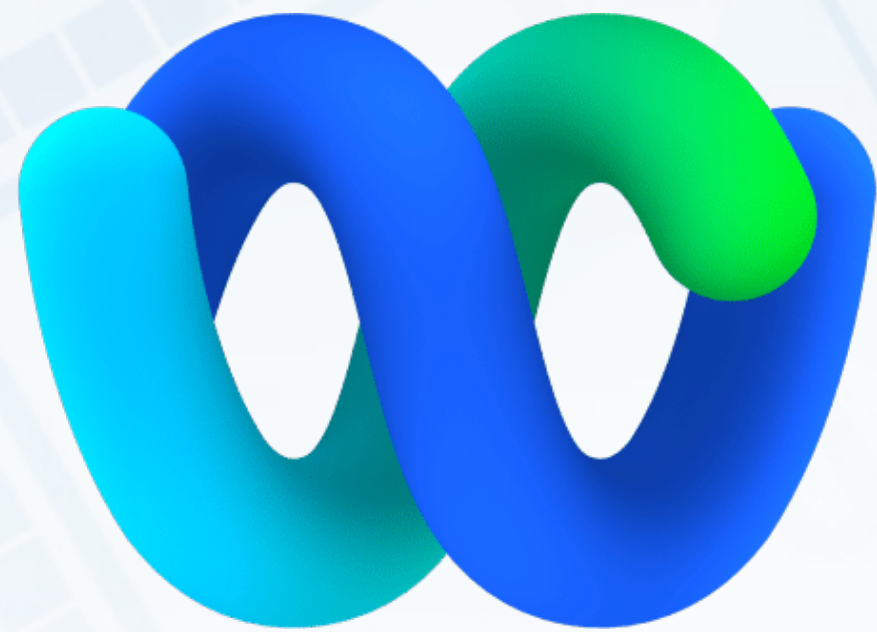# **Doing Cool Things with the Cisco Webex API**

Part 3 - Using an API to Perform Bulk Provisioning Tasks

About Me

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Solutions Architect for Collaboration

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Who is this for?

- Anybody supporting a Webex environment

- Desire to use the API to 'Do Cool Things'

- Interest in automation / bulk provisioning changes

What have we learned already?

- Basics of JSON

- Basics of a REST API Call

- How to create an Integration in Webex and deal with OAuth

- Basic API interactions using Postman

- Performing Basic API calls to read data using the Python 'Requests' library

REST API Process Simplified….

1. Register your Integration with Webex - you'll be issued 'Client Credentials'

    1. Client ID

    2. Client Secret

2. Request permission using an OAuth Grant Flow

3. Exchange the resulting authorization 'code' for an access 'token'

4. Use your 'token' to make API calls.

What is OAuth?

- An **open protocol** to allow **secure authorization** in a **simple** and **standard** method for web, mobile, and desktop applications
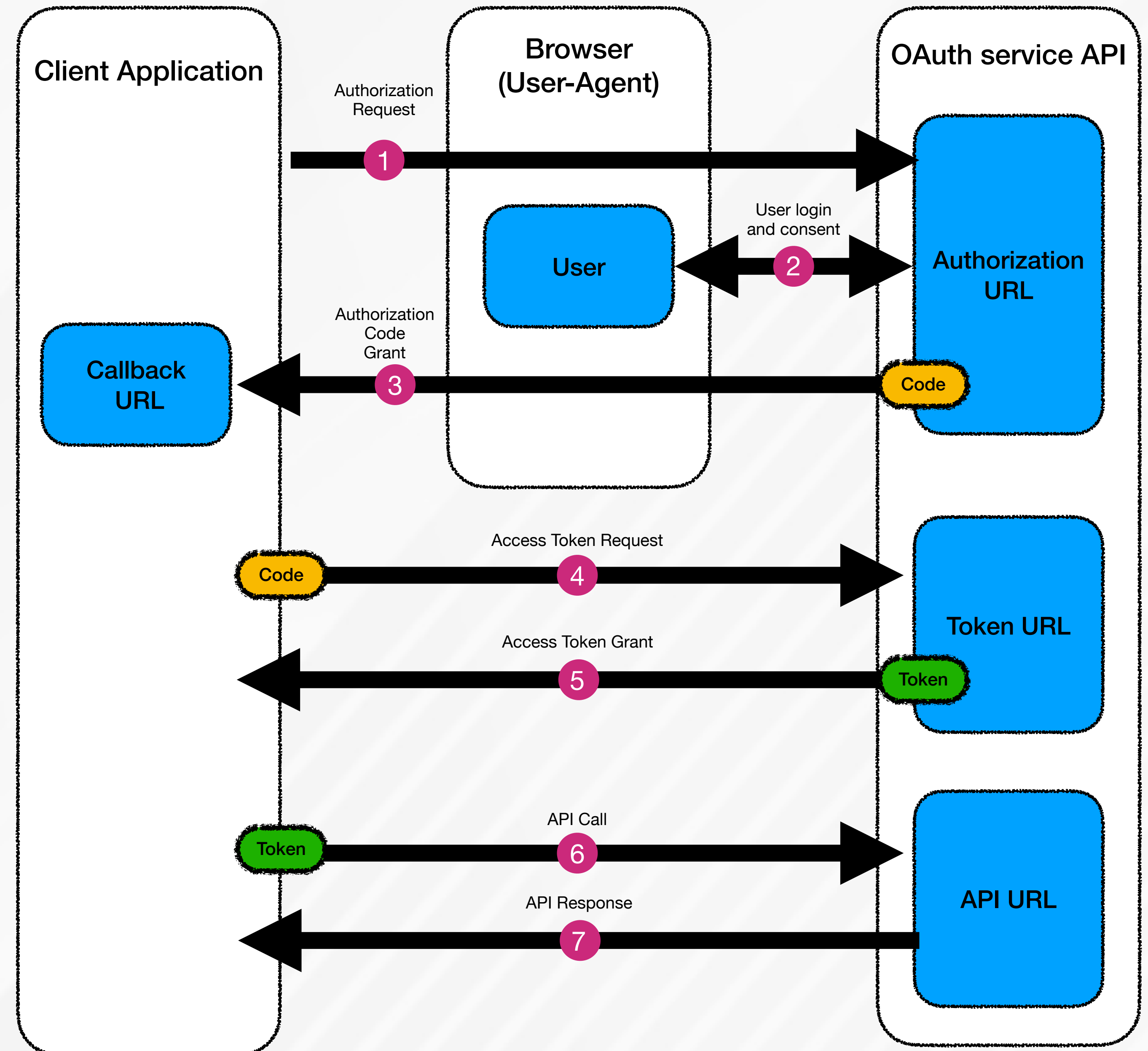
Taking the basics farther

- Project #1 - Using Python, Automatically Create Several Webex Rooms and post a message

- Project #2 - Using Python, Update voicemail zero-out destinations for a group of users

- Project #3 - Using PHP, Build a voicemail PIN reset application

On the topic of writing code…

- We don't need to be expert programmers to 'get things done'

- 'If it works, it works'

- We will share some examples that you can use to hit the ground running

- https://github.com/conresinc/cool-stuff-webex-api