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## Webex Macros, APIs and Programmability for Webex Devices, Control Hub and Meetings (WBXMAP) V1.0

***WHERE GREAT TRAINING  
HAPPENS EVERYDAY!***



## Webex Macros, APIs and Programmability for Webex Devices, Control Hub and Meetings (WBXMAP) V1.0

### Course Duration

5 Days

### Course Price

\$4,795.00

48 CLCs

### Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

### Cisco CE Credits

40

### About this Class

This class is meant for Administrators and Engineers that are starting their Journey Towards Programmability for Webex and Devices. It covers the Basics of REST, JSON, Python, Postman, JavaScript, Bots, Integrations, UI Extensions, Macros, and Digital Signage. Student will use Postman, Ansible and other programs to be able to gather statistics, monitor, and configure the Webex Portal and Webex Devices. Students will setup Macros to be able to Control Lighting systems and Room Controls. Students will create Python Scripts to Create and Modify Webex Meetings.



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### How you will benefit

This class will help you:

- Bridge the gap between CLI/GUI and API
- Get introduced to API Technologies and will start them on your Journey to API Engineering

### Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

### Who Should Attend

The job roles best suited to the material in this course are:

- Network Administrator
- Meeting Administrators
- Webex Administrators
- Collaboration Administrators
- Network Engineer
- Voice / UC / Collaboration / Communications Engineers
- Collaboration Sales / Systems Engineers

## Webex Macros, APIs and Programmability for Webex Devices, Control Hub and Meetings (WBXMAP) V1.0

### Objectives

During this course, students will learn:

- The Technologies used in Webex APIs
- Where to find and use Webex API Documentation
- To use Programming Technologies with Webex
- The fundamentals of Bots, Integrations, Widgets, and WebApps
- How API Tokens are authenticated in Webex
- The fundamentals of Python and JavaScript
- The fundamentals of API Integrations with other Apps
- The fundamentals of Device Macros
- The Schedule, Manage, Integrate Webex Meetings

## Webex Macros, APIs and Programmability for Webex Devices, Control Hub and Meetings (WBXMAP) V1.0

### Course Outline

#### Module 0: Introduction

- Lesson 1: Introduction
- Lesson 2: SIP Trunking

#### Module 1: Webex API Overview

- Lesson 1: Webex API Overview
- Lesson 2: Webex API Documentation
- Lesson 3: API Technologies Overview
- Lesson 4: Webex API Types
- Lesson 5: Webex Software Developer Kits (SDK)
- Lesson 6: API Use Cases
- Lesson 7: Setting up a Programming Environment

#### Module 2: Webex Room Systems, Device, and Clients (Review)

- Lesson 1: Webex Portfolio and Features
- Lesson 2: Webex Room Navigator
- Lesson 3: Webex Devices
- Lesson 4: Webex Board Pro
- Lesson 5: SX / DX Devices
- Lesson 6: Webex Room OS 11



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### Course Outline

#### Cont. Module 2

- Lesson 7: Webex Device States
- Lesson 8: Webex Calling Devices
- Lesson 9: Webex App
- Lesson 10: Webex Mobile Clients

#### Module 3: Webex Control Hub

- Lesson 1: Control Hub Overview
- Lesson 2: Organization Settings
- Lesson 3: Adding Users
- Lesson 4: Adding Devices
- Lesson 5: Adding Workspaces
- Lesson 6: Administration Panels
- Lesson 7: User Portal

#### Module 4: Program Fundamentals

- Lesson 1: Language and Format Overview
- Lesson 2: Data Formats
- Lesson 3: Python Fundamentals
- Lesson 4: Java Script Fundamentals

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### Course Outline

#### Module 5: Webex Authentication

- Lesson 1: Authentication Overview
- Lesson 2: OAuth Authentication

#### Module 6: Webex Rest APIs and JSON

- Lesson 1: REST API
- Lesson 2: JavaScript Object Notation (JSON)
- Lesson 3: HTTP (REST) Status Codes

#### Module 7: Webex Bots, Cards, and Integrations

- Lesson 1: Webex Bots
- Lesson 2: Webex Buttons and Cards
- Lesson 3: Integrations
- Lesson 4: Webex Widgets

#### Module 8: Postman

- Lesson 1: Postman Overview
- Lesson 2: Webex Collections
- Lesson 3: Testing Webex APIs with Postman

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### Course Outline

#### Module 9: Webex Customization, UI Extensions and, Macros for Devices

- Lesson 1: RoomOS Programmability Overview
- Lesson 2: RoomOS Website for Device Customization
- Lesson 3: RoomOS Connectivity / User Overview
- Lesson 4: Device Configuration
- Lesson 5: Personalization – Branding
- Lesson 6: UI Extensions
- Lesson 7: Device Macros
- Lesson 8: Device API Commands

#### Module 10: Webex Digital Signage

- Lesson 1: Webex Digital Signage
- Lesson 2: Digital Signage Configuration using Cisco Webex Control Hub
- Lesson 3: Digital Signage Configuration using Local Web Administration Portal
- Lesson 4: APPSPACE

#### Module 11: Driving Webex Meetings with APIs.

- Lesson 1: Webex Meeting APIs
- Lesson 2: IControlling Meeting using APIs
- Lesson 3: Scheduling Meetings with APIs



## Webex Macros, APIs and Programmability for Webex Devices, Control Hub and Meetings (WBXMAP) V1.0

### Lab Outline

**Lab 1:** Initial Cisco Webex Control Hub Organization Configuration

**Lab 2:** Webex Developer Documentation

**Lab 3:** Cisco Devnet Site

**Lab 4:** Cisco RoomOS Developer Site

**Lab 5:** Explore xAPI Reference Guide

**Lab 6:** Python Fundamentals

**Lab 7:** JavaScript Fundamentals

**Lab 8:** Oauth Workflow

**Lab 9:** Configure Webex Integration

**Lab 10:** Building a Webex Weather Bot

**Lab 11:** Manage Users and Meetings

**Lab 12:** xAPI for Cisco collaboration devices

**Lab 13:** Macros for RoomOS Devices

**Lab 14:** Using Macros to Control Lighting