

DEVWBX

Developing Applications for Cisco Webex and Webex Devices v1.1

Duration: 5 Days

Course Overview:

Developing Applications for Cisco Webex and Webex Devices (DEVWBX) v1.1 is a 5-day course that prepares you to use the programmability features of Webex, the Cisco enterprise solution for video conferencing, online meetings, online training, webinars, web conferencing, cloud calling, and collaboration. Through a combination of lessons and hands-on labs, you will learn about Webex Application Programming Interface (API) Foundation, meetings, devices, teams, messaging, embedding Cisco Webex, administration, and compliance. You will learn how to leverage Webex APIs to extend the functionalities of teams, meetings, and devices, and explore how these APIs can help automate, administer, and enforce compliance.

This course prepares you for the 300-920 Developing Applications for Cisco Webex and Webex Devices (DEVWBX) exam.

The course qualifies for 40 Cisco Continuing Education credits (CE) towards recertification.

This course will help you:

- Learn how to use the integrated communication features of the Webex platform for secure virtual meetings, data sharing, videoconferencing, mobility, and team collaboration
- Gain hands-on experience using agile Webex tools for interactive communication and adding Webex functionalities to existing applications
- Prepare for the **300-920 DEVWBX** exam

Who Should Attend:

The primary audience for this course is as follows:

- Communication engineers
- Project managers
- Network engineers
- Software engineers
- System architects

Prerequisites:

The knowledge and skills that the learner should have before attending this course are as follows:

- Basic programming knowledge
- JavaScript, Node.js, JavaScript Object Notation (JSON), REST syntax and uses, and Visual Studio Code Integrated Development Environment (IDE) familiarity
- Knowledge of Webex products usage and administration: teams, meetings, and devices

Course Objectives:

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe and use Webex APIs, authentication, and documentation
- Manage meetings using the Webex Meetings Representational State Transfer (REST) API and Extensible Markup Language (XML) API
- Manage and extend Cisco Collaboration Devices with Experience API (xAPI), macros, and user interface customizations
- Program with WebEx teams REST API, cards, webhooks, and bots
- Embed Webex collaboration features into web and mobile applications using the Webex teams JavaScript SDK, widgets, and mobile Software Development Kits (SDKs)
- Manage Webex administration and compliance using JavaScript

Course Outline:

Module 1: Introducing Webex APIs Foundations

- Webex as an Extensible Platform

Module 2: Building Cisco Webex Teams Applications

- Introduction to Webex Messaging

Module 3: Developing with Webex Meetings XML API

- Describe the capabilities of Cisco Webex meeting APIs

Module 4: Automating and Extending Cisco Collaboration Devices with xAPI

- Overview, Capabilities and Transport Methods for Cisco Endpoint Device Programmability

Module 5: Embedding Cisco Webex

- Benefits of Embedding Cisco Webex into Other Applications

Module 6: Managing Administration and Compliance with Cisco Webex APIs

- Administer a Cisco Webex Organization

Lab Outline:

Labs are designed to assure learners a whole practical experience, through the following practical activities:

- Experience the Webex APIs Documentation and Use the Webex Teams API
- Configure Authentication and Invoke the Webex Teams API
- Create and Retrieve Messages with JavaScript
- Create a Webex Card
- Building a Webex Bot Using Botkit
- Configure a Webex Integration
- Manage Users, Schedule and Edit a Meeting, and Download a Recording
- Using xAPI for Cisco Collaboration Endpoint Devices
- Add Cisco Webex Teams Widget to a Web Page
- Call, Share Screen, and Send Messages with the Browser SDK
- Create a User and View License Usage
- Retrieve Created Messages to Take a Compliance Action