DEVWBX

# Developing Applications for Cisco Webex and Webex Devices (DEVWBX) v1.1

40 horas | Automation, Programmability & DNA | Cisco

## INTRODUÇÃO

The Developing Applications for Cisco Webex and Webex Devices (DEVWBX) v1.1 course 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. You will also earn 40 Continuing Education (CE) credits toward recertification.

## OBJETIVO DO CURSO

After taking this course, you should be able to:

- 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

## PÚBLICO-ALVO

This course is designed for professionals in job roles such as:

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

## PRÉ-REQUISITOS

Before taking this course, you should have the following knowledge and skills:

• 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

## CONTEÚDO PROGRAMÁTICO

Outline

Introducing Webex APIs Foundations
• Webex as an Extensible Platform

Building Cisco Webex Teams Applications
• Introduction to Webex Messaging

Developing with Webex Meetings XML API
• Describe the capabilities of Cisco Webex meeting APIs

Automating and Extending Cisco Collaboration Devices with xAPI
• Overview, Capabilities and Transport Methods for Cisco Endpoint Device Programmability

Embedding Cisco Webex
• Benefits of Embedding Cisco Webex into Other Applications

Managing Administration and Compliance with Cisco Webex APIs
• Administer a Cisco Webex Organization

Lab outline

• 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