# Developing Applications for Cisco Webex and Webex Devices v1.0 (300-920)

**Exam Description:** Developing Applications for Cisco Webex and Webex Devices v1.0 (DEVWBX 300-920) is a 90-minute exam associated with the DevNet Professional Certification. This exam tests a candidate's Webex development knowledge as it pertains to Webex API foundations, Webex Meetings, WebEx Devices, messaging, embedding Webex, and administration and compliance. The course, Developing Applications for Cisco Webex and Webex Devices, helps candidates to prepare for this exam.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

**15%**  **1.0**  **Webex API Foundation**
-  1.1  Describe the process to get access to Webex APIs for a given scenario (including getting the necessary users roles from a Webex administrator)
-  1.2  Identify the authentication methods for Webex Teams, devices, and meetings
-  1.3  Troubleshoot error codes for REST API responses (including rate limiting, access, and authentication)
-  1.4  Interpret a REST API response that includes pagination and filtering
-  1.5  Construct a JavaScript request using promises with a Webex JavaScript SDK
-  1.6  Describe the OAuth token management lifecycle

**20%**  **2.0**  **Meetings**
-  2.1  Describe the capabilities of the Webex Meeting APIs
-  2.2  Construct the JavaScript to schedule a meeting
-  2.3  Construct HTTP requests with the XML API to manage users
-  2.4  Construct the JavaScript to list and download a recording of a meeting

**20%**  **3.0**  **Devices**
-  3.1  Compare the capabilities and use of xAPI over SSH, REST APIs, and WebSockets
-  3.2  Describe the mechanisms to send and receive data
-  3.3  Construct a script using 'jsxapi' to address a scenario
-  3.4  Troubleshoot macros
-  3.5  Construct a custom user interaction (including in-room controls)

**20%**  **4.0**  **Messaging**
-  4.1  Construct REST API requests using JSON and HTTP for a given scenario (managing spaces, teams, and memberships)
-  4.2  Construct a JavaScript application to send a message and to retrieve the content of an incoming message
-  4.3  Construct a JavaScript application that uses cards
-  4.4  Diagnose the process of managing Webhooks including resource and event filters

4.5      Describe the limitations and capabilities of bots
4.6      Identify whether to use a bot or an Integration in a given scenario

**15%     5.0      Embedding Webex**
5.1      Construct a HTML page embedding a Widget using an Integration or guest issuer
5.2      Construct the JavaScript to call and screen share with the browser SDK
5.3      Construct the JavaScript to call and send messages with the browser SDK and guest issuer
5.4      Describe the mechanisms to receive incoming call notifications for IOS and Android SDKs

**10%     6.0      Administration and Compliance**
6.1      Construct the JavaScript to administer a Webex organization
     6.1.a    User and licenses
     6.1.b    Devices

6.2      Construct JavaScript to collect compliance data
6.3      Identify the requirements, steps, and permissions needed to take a compliance action on a message or space
6.4      Construct the JavaScript to send requests to multiple devices for a given scenario