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Learning Style: On Demand

Technology: Cisco

Difficulty: Intermediate

Course Duration: 40 Hours

Implementing Automation for Cisco Collaboration Solutions (CLAUI) v1.0 - On Demand



About this course:

The Implementing Automation for Cisco Collaboration Solutions (CLAUI) v1.0 course teaches you how to implement Cisco Collaboration automated, programmable solutions for voice, video, collaboration, and conferencing on-premises or in the cloud.

Through a combination of lessons and hands-on labs, you will combine tools and processes to tackle communication challenges using key platforms including Cisco Unified Communications Manager, Cisco IP Phone Services, Cisco Unity® Connection, Cisco Finesse®, Cisco Collaboration Endpoints, Cisco Webex Teams™, and Cisco Webex® Meetings. You will also learn how to use application programming interfaces (APIs), interfaces such as Representational State Transfer (REST) and Simple Object Access Protocol (SOAP), parsing data in XML and JavaScript Object Notation (JSON) formats, and leverage frameworks such as Python.

This course helps you prepare for the Automating and Programming Cisco Collaboration Solutions (300-835 CLAUTO) certification exam.

Course Objective:

After taking this course, you should be able to:

- Examine API and automation capabilities and concepts for Cisco Unified Communication Manager
- Examine API and automation capabilities and concepts for Cisco Unity Connection
- Examine API and automation capabilities and concepts for Cisco Finesse
- Examine Experience API (xAPI) and automation capabilities and concepts for Cisco Collaboration endpoints
- Examine API and automation capabilities and concepts for Cisco Webex Teams
- Examine API and automation capabilities and concepts for Cisco Webex Meetings

Audience:

This course is designed for network and software engineers interested in Cisco Collaboration and Webex automation and who hold job roles such as:

- Network engineer
- Systems engineer
- Consulting systems engineer
- Technical solutions architect
- Network administrator
- Collaboration solutions architect
- Collaboration software developer
- Technical solutions architect
- Collaboration solutions architect
- Collaboration software developer
- Collaboration sales engineer
- Wireless engineer
- Wireless design engineer
- Network manager
- Software developer
- Software architect

Prerequisite:

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

- Basic knowledge of Simple Object Access Protocol (SOAP) and REST APIs
- Basic programming and scripting skills in Python
- Intermediate knowledge in managing and configuring three or more of the following Cisco Collaboration offerings:
    - Cisco Unified Communications Manager
    - Cisco IP Phones
    - Cisco Finesse
    - Cisco Webex Devices (Collaboration and Video Endpoints)
    - Cisco Webex Teams

The following Cisco courses can help you gain the knowledge you need to prepare for this course:

- Implementing and Administering Cisco Solutions (CCNA)
- Introducing Automation for Cisco Solutions (CSAU)
- Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)
- Understanding Cisco Collaboration Foundations (CLFNDU)
- Programming Use Cases for Cisco Digital Network Architecture (DNAPUC)
- Introducing Cisco Network Programmability (NPICNP)

Course Outline:

Automating Cisco Unified Communications Manager

Cisco Unified Communications Manager: AXL API Overview
Built-In AXL API Calls
SQL API Calls
Computer Telephony Integration
CDRs and Performance APIs
Phone Services APIs

Automating Cisco Unity Connection

Cisco Unity Connection

Automating Cisco Finesse

Cisco Finesse APIs
Cisco Finesse Gadgets

Examining Cisco Collaboration Endpoint Automation

Cisco xAPI Overview
In-Room Control Editor Introduction
Macro Introduction

Examining Cisco Cloud Collaboration Automation

Cisco Webex Administration API Overview
Cisco Webex Teams Bots Overview
Widgets Overview
Cisco Webex Teams SDK

Examining Cisco Conferencing Automation

Cisco Webex Meetings API
Cisco Meeting Server API

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