

Cisco® Implementing Automation for Cisco® Collaboration Solutions (CLAUI)

Overview

This course teaches you how to implement Cisco® Collaboration automated, programmable solutions for voice, video, collaboration, and conferencing on-premises or in the cloud, 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 Extensible Markup Language (XML) and JavaScript Object Notation (JSON) formats, and leverage frameworks such as Python. This course prepares you for the 300-835 Automating and Programming Cisco Collaboration Solutions (CLAUTO) certification exam, and specialization toward the CCNP Collaboration certification.

Prerequisite Comments

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)

Target Audience

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

Collaboration Sales Engineer

Collaboration Software Developer

Collaboration Solutions Architect

Consulting Systems Engineer

Network Administrator

Network Engineer

Network Manager

Software Architect

Software Developer

Systems Engineer

Technical Solutions Architect

Wireless Design Engineer

Wireless Engineer

Course Objectives

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

Course Outline

1 - Course Outline

- Automating Cisco Unified Communications Manager
- Automating Cisco Unity Connection
- Automating Cisco Finesse
- Examining Cisco Collaboration Endpoint Automation
- Examining Cisco Cloud Collaboration Automation
- Examining Cisco Conferencing Automation

2 - Lab outline

- Configure the Initial Collaboration Lab Environment
- Verify Phone Details
- Configure Phone Line Label
- Configure User Pin
- Configure System Forward No Answer Timer
- Configure Route Plan Report
- Deploy Basic SQL Query
- Deploy Advanced SQL Query
- Configure an Alternate Extension in Cisco Unity Connection
- Configure Voicemail Pin
- Verify Agent Settings
- Deploy Gadget
- Deploy Modify Call Via Video Codec
- Configure System Name and Branding
- Deploy and Monitor Video Call
- Configure Custom Control Panel
- Deploy Macro
- Verify Cisco Webex Organization and License Information
- Configure New Cisco Webex Teams Room
- Deploy Interactive Bot
- Deploy Widget
- Configure Cisco Webex Meetings User
- Configure and Record Cisco Webex Meeting
- Verify System Status
- Configure Host Access on Cisco Meeting Server Spaces