Implementing Automation for Cisco Collaboration Solutions (CLAUI)

What you'll learn

The Implementing Automation for Cisco Collaboration Solutions (CLAUI) training 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 Extensible Markup Language (XML) and JavaScript Object Notation (JSON) formats, and leverage frameworks such as Python.

This training prepares you for the 300-835 Automating and Programming Cisco Collaboration Solutions (CLAUTO) certification exam. This training also earns you 24 Continuing Education (CE) credits towards recertification.

How you'll benefit

This training will help you:

Gain the high-demand knowledge and skills to implement automation and programmability to modernize and tailor your network infrastructure

Learn hands-on training to streamline, design, and configure efficient web services

Prepare for the 300-835 CLAUTO exam

What to expect in the exam

The 300-835 CLAUTO exam certifies your knowledge and skills related to implementing applications that automate and extend Cisco Collaboration platforms including programming concepts, APIs and automation protocols, and Python programming.

After you pass 300-835 CLAUTO, you earn the Cisco Certified DevNet Specialist - Collaboration Automation and Programmability certification, and you satisfy the concentration exam requirement for these professional-level certifications:

CCNP Collaboration

Cisco Certified DevNet Professional

Who should enroll

This training 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

Technology areas

Collaboration

Network automation

Training overview

Objectives

After taking this training, 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

Prerequisites

Before taking this training, 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 trainings can help you gain the knowledge you need to prepare for this training:

Introducing Automation for Cisco Solutions (CSAU)

Implementing and Administering Cisco Solutions (CCNA®)

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)

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 Cisco Finesse Agent Settings and Observe XMPP Messages

Deploy Cisco Finesse Gadget

Deploy Modify Call Via Video Codec Programmatically

Configure System Name and Branding

Deploy and Monitor Video Call

Configure Custom Control Panel Using the In-Room Control Editor

Deploy Macro Using the In-Room Control Editor

Verify Cisco Webex Organization and License Information

Configure New Cisco Webex Teams Room

Deploy Cisco Webex Teams Interactive Bot

Deploy Cisco Webex Teams Widget

Configure Cisco Webex Meetings User

Configure and Record Cisco Webex Meeting

Verify Cisco Meeting Server System Status

Configure Host Access on Cisco Meeting Server Spaces