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

What you'll learn in 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 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. This course also earns you 24 Continuing Education (CE) credits towards recertification.

Course duration

- Instructor-led training: 3 days in the classroom with hands-on lab practice
- Virtual instructor-led training: 3 days of web-based classes with hands-on lab practice
- E-Learning: 3 days equivalent to classroom training

How you'll benefit

This course 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
- Earn 24 CE credits toward recertification

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 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

How to enroll

E-learning

- To buy a single e-learning license, visit the [Cisco Learning Network Store](#).
- For more than one license, or a learning library subscription, contact us at learning-bdm@cisco.com.

Instructor-led training

- Find a class at the [Cisco Learning Locator](#).
- Arrange training at your location through [Cisco Private Group Training](#).

Technology areas

- Collaboration
- Network automation

Course details

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

Prerequisites

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)**

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

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

Course content is dynamic and subject to change without notice.

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