

Implementing Automation for Cisco Collaboration Solutions (CLAUI) v1.1

Duration 5 Days

COURSE DESCRIPTION

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.

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

COURSE OBJECTIVE

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

COURSE OUTLINE

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

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)

WHO SHOULD ATTEND

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|-------------------------------------|---------------------------------|
| ▪ Collaboration Sales Engineer | ▪ Software Architect |
| ▪ Collaboration Software Developer | ▪ Software Developer |
| ▪ Collaboration Solutions Architect | ▪ Systems Engineer |
| ▪ Consulting Systems Engineer | ▪ Technical Solutions Architect |
| ▪ Network Administrator | ▪ Wireless Design Engineer |
| ▪ Network Engineer | ▪ Wireless Engineer |
| ▪ Network Manager | |