

Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) Training

Cisco Authorized Training · Applied Technology Academy

The Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) v1.0 course provides you with knowledge about Cisco® Expressway Series solutions enabling business-to-business (B2B) calls, Cisco Mobile, remote access, authentication options, and additional Cisco Expressway Series features. Through a combination of lessons and hands-on labs, you will learn how to leverage collaborative technology to access secure, collaborative work supports including video, voice, content, and remote workloads. This course also prepares you for the 300-820 Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) exam. This course also earns you 40 Continuing Education (CE) credits towards recertification.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Intermediate	5 Days	2 years: CLFNDU & CLCOR	\$141,675	Yes

Course Overview

After taking this course, you should be able to:

- Configure and troubleshoot Cisco Unified Communications Manager and Cisco Expressway Series integration
- Describe the Cisco Expressway-C additional features
- Configure and troubleshoot Cisco Collaboration solutions for B2B calls
- Describe how to secure B2B communication with Cisco Expressway Series
- Describe the Mobile and Remote Access (MRA) feature

Describe the Cisco Expressway MRA security and integration options, including integration with Cisco Unity® Connection and Cisco Instant Messaging and Presence (IM&P)

Configure Cisco Webex® Hybrid Services

This course will help you:

- Acquire the knowledge and skills to use the tools and systems designed to facilitate team-based collaboration whether in-office or remote.

Gain hands-on experience in using Cisco Expressway software for secure, remote access for phones, endpoints, smartphones, tablets, video, and other communication devices to support nontraditional workspaces.

Prepare for the 300-820 CLCEI exam

Course Outline

- Configuring and Troubleshooting the Cisco Expressway Series
- Configuring Cisco Expressway Additional Features
- Configuring and Troubleshooting Cisco Unified Communications Manager and Cisco Expressway Series
- Configuring and Troubleshooting Cisco Collaboration Solutions for Business-to-Business
- Securing Business-to-Business Communication
- Configuring and Troubleshooting Mobile and Remote Access
- Integrating and Securing Mobile and Remote Access
- Configuring Cisco Webex Hybrid Services
- Lab Outline
- Deploy Virtualized Cisco Expressway
- Perform the Initial Cisco Expressway Series Configuration
- Register Endpoints on Cisco Expressway Series
- Call Search History and Registration
- Troubleshooting Tools
- Configure Cisco Expressway Series Bandwidth Management and Registration Restrictions
- Troubleshoot Cisco Expressway Series Endpoint Registration and Local Dial Plan
- Configure Cisco Expressway Series Security Features
- Configure Cisco Unified Communications Manager to Connect with Cisco Expressway-C
- Troubleshoot Cisco Unified Communications Manager and Cisco Expressway Series Integration
- Configure Cisco Unified Communications Manager and Cisco Expressway Series Integration (Practice Activity)
- Implement a B2B Cisco Collaboration Solution
- Troubleshoot B2B Calls on the Cisco Expressway Series
- Troubleshoot B2B Calls on the Cisco Expressway Series (practice activity)
- Secure a B2B Cisco Collaboration Communication
- Configure MRA on the Cisco Expressway Series
- Troubleshoot MRA on the Cisco Expressway Series
- Configure MRA with Additional Application Integrations
- Prepare for Cisco Webex Teams Integration
- Configure Cisco Webex Hybrid Services

Intended Audience

- Collaboration engineers
- Collaboration administrators

Prerequisites

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

- Understanding of networking technologies
- Understanding voice and video
- Knowledge of Cisco collaboration core technologies
- Session Initiation Protocol (SIP) and Extensible Messaging and Presence Protocol (XMPP) signaling protocol fundamentals
- Collaboration call control fundamentals of Cisco Unified Communications Manager

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

- Understanding Cisco Collaboration Foundations (CLFNDU)
- Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)

Follow-On Courses

- Implementing Cisco SD-WAN Solutions 300-415 (ENSDWI)
- Designing Cisco Enterprise Networks 300-420 (ENSLD)
- Designing Cisco Enterprise Wireless Networks 300-425 (ENWLSD)
- Implementing Cisco Enterprise Wireless Networks 300-430 (ENWLSI)

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