



IMPLEMENTING CISCO COLLABORATION CLOUD AND EDGE SOLUTIONS (CLCEI) V1.0

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.

How you'll benefit

This class 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.
- Earn 40 CE credits toward recertification.

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses



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Objectives

Upon completing this course, the student will be able to meet these objectives:

- 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

Course Duration

5 day

Course Price

\$4,195.00

Methods of Delivery

- Instructor Led
- Virtual ILT

Certification Exam

300-820

Cisco CE Credits

40

Who Should Attend

This course is designed for professionals in job roles such as:

- Collaboration Engineer
- Collaboration Administrator

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



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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)

Course Outline

Module 1: Configuring and Troubleshooting the Cisco Expressway Series

Module 2: Configuring Cisco Expressway Additional Features

Module 3: Configuring and Troubleshooting Cisco Unified Communications Manager and Cisco Series

Module 4: Configuring and Troubleshooting Cisco Collaboration Solutions for Business-to-Business

Module 5: Securing Business-to-Business Communication

Module 6: Configuring and Troubleshooting Mobile and Remote Access

Module 7: Integrating and Securing Mobile and Remote Access

Module 8: 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



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- 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