
Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) V1.2

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About this Class

The Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) v1.2 training provides you with an understanding of Cisco Expressway Series solutions, such as B2B calls, Cisco Mobile and Remote Access for remote workers, authentication options, and additional Cisco Expressway Series features. Topics covered also include details about the Webex solutions, and the benefits of hybrid integrations between Cisco on-premises solutions and Webex Meetings in the cloud.

This course also prepares you for the 300-820 Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) exam.

Course Duration

5 Days

Course Price

\$4,295.00

43 CLCs

Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT



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How you will 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.
- This training also earns you 40 Continuing Education (CE) credits towards 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

Who Should Attend

The job roles best suited to the material in this course are:

- Collaboration Engineer
- Collaboration Administrator

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Objectives

After taking this course, you should be able to:

- Describe the Cisco Expressway Core features and functionality within the collaboration architecture
- Describe the Cisco Expressway Core additional features
- Configure and troubleshoot Cisco Unified Communications Manager and Cisco Expressway Series integration
- Configure and troubleshoot Cisco Collaboration solutions for Business-to-Business 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 Unified Communications Manager IM and Presence Service
- Describe deployment models for Cisco Webex cloud-based collaboration, management of users and sites within Webex Control Hub, and other administrative tasks
- Describe Cisco Webex Hybrid Services

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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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 Expressway 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

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Lab Outline

- Lab 1: Deploy Virtualized Cisco Expressway
- Lab 2: Perform the Initial Cisco Expressway Series Configuration
- Lab 3: Register Endpoints on Cisco Expressway Series
- Lab 4: Call Search History and Registration
- Lab 5: Troubleshooting Tools
- Lab 6: Configure Cisco Expressway Series Bandwidth Management and Registration Restrictions
- Lab 7: Troubleshoot Cisco Expressway Series Endpoint Registration and Local Dial Plan
- Lab 8: Configure Cisco Expressway Series Security Features
- Lab 9: Configure Cisco Unified Communications Manager to Connect with Cisco Expressway-C
- Lab 10: Troubleshoot Cisco Unified Communications Manager and Cisco Expressway Series Integration
- Lab 11: Configure Cisco Unified Communications Manager and Cisco Expressway Series Integration (Practice Activity)
- Lab 12: Implement a B2B Cisco Collaboration Solution
- Lab 13: Troubleshoot B2B Calls on the Cisco Expressway Series
- Lab 14: Secure a B2B Cisco Collaboration Communication
- Lab 15: Configure MRA on the Cisco Expressway Series
- Lab 16: Troubleshoot MRA on the Cisco Expressway Series
- Lab 17: Configure MRA with Additional Application Integrations
- Lab 18: Prepare for Cisco Webex Teams Integration