

# CLCEI - Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)

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*Duration: 5 Day(s)*

## Course Overview

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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.

Review this course online at <https://www.alta3.com/courses/CLCEI>

## Objectives

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- Configure and troubleshoot Cisco Unified Communications Manager integration.
- Implement secure B2B communication using Cisco Expressway Series.
- Design Mobile and Remote Access solutions for enhanced collaboration.
- Integrate Cisco Webex Hybrid Services for seamless connectivity.

## Who Should Attend

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- Collaboration engineers
- Collaboration administrators

## Prerequisites

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

## Course Outline

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### Configuring and Troubleshooting the Cisco Expressway Series

1. Configuring Cisco Expressway Additional Features
2. Configuring and Troubleshooting Cisco Unified Communications Manager and Cisco Expressway Series
3. Configuring and Troubleshooting Cisco Collaboration Solutions for Business-to-Business

4. Securing Business-to-Business Communication
5. Configuring and Troubleshooting Mobile and Remote Access
6. Integrating and Securing Mobile and Remote Access
7. Configuring Cisco Webex Hybrid Services

## **Lab Outline**

8. Deploy Virtualized Cisco Expressway
9. Perform the Initial Cisco Expressway Series Configuration
10. Register Endpoints on Cisco Expressway Series
11. Call Search History and Registration
12. Troubleshooting Tools
13. Configure Cisco Expressway Series Bandwidth Management and Registration Restrictions
14. Troubleshoot Cisco Expressway Series Endpoint Registration and Local Dial Plan
15. Configure Cisco Expressway Series Security Features
16. Configure Cisco Unified Communications Manager to Connect with Cisco Expressway-C
17. Troubleshoot Cisco Unified Communications Manager and Cisco Expressway Series Integration
18. Configure Cisco Unified Communications Manager and Cisco Expressway Series Integration (Practice Activity)
19. Implement a B2B Cisco Collaboration Solution
20. Troubleshoot B2B Calls on the Cisco Expressway Series
21. Troubleshoot B2B Calls on the Cisco Expressway Series (practice activity)
22. Secure a B2B Cisco Collaboration Communication
23. Configure MRA on the Cisco Expressway Series
24. Troubleshoot MRA on the Cisco Expressway Series
25. Configure MRA with Additional Application Integrations
26. Prepare for Cisco Webex Teams Integration
27. Configure Cisco Webex Hybrid Services