



# Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI) v1.0

## Objetivos

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

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## Pre-requisitos

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)**

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## Contenido

- 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

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## Laboratorio

- 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
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