



CISCO TRAINING

Implementing Cisco Collaboration Cloud and Edge Solutions

Master implementing Cisco Collaboration Cloud and Edge Solutions. Gain skills to deploy advanced communication infrastructure.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "Implementing Cisco Collaboration Cloud and Edge Solutions," is meticulously designed to equip IT professionals with the essential skills to deploy, integrate, and manage Cisco's cutting-edge hybrid collaboration architectures. You will delve into the critical aspects of seamlessly connecting Cisco's cloud-based Webex services with traditional on-premises Unified Communications Manager (UCM) deployments. The curriculum focuses on practical implementation, covering core technologies like Webex Control Hub, Cisco Expressway, and Cisco Unified Border Element (CUBE) to ensure robust and secure communication across diverse environments.

Participants will gain hands-on expertise in configuring Webex Calling and Meetings, enabling secure external access for remote users via Cisco Expressway, and establishing reliable PSTN connectivity through CUBE in a hybrid setup. This course addresses the modern challenges of dispersed workforces and digital transformation, providing the technical acumen required to build resilient and scalable collaboration solutions.

By mastering these advanced integration techniques, you will significantly enhance your ability to design, deploy, and troubleshoot complex Cisco collaboration ecosystems. This certification empowers you to facilitate fluid communication, improve productivity, and drive strategic business outcomes for organizations leveraging Cisco's comprehensive collaboration portfolio.

Duration	2 hours
Level	Intermediate
Vendor	Cisco

COURSE CURRICULUM

01 Module 1: Understanding Cisco Hybrid Collaboration Foundations

- Overview of Cisco Webex and Unified Communications portfolio
- Exploring cloud, on-premises, and hybrid collaboration architectures
- Key components: Webex Control Hub, UCM, Expressway, and CUBE roles in hybrid deployments

02 Module 2: Core Webex Cloud Services Integration with On-Premises UCM

- Introduction to Webex Calling and Webex Meetings
- Connecting Webex Control Hub to existing Cisco Unified Communications Manager (UCM) deployments
- User provisioning and directory synchronization for hybrid environments
- Basic configuration of Hybrid Call Service Connect

03 Module 3: Implementing Secure Edge Connectivity and PSTN Integration

- Deploying and configuring Cisco Expressway-C and Expressway-E for Mobile and Remote Access (MRA)
- Understanding and configuring Cisco Unified Border Element (CUBE) for hybrid PSTN connectivity
- Basic SIP trunking configurations for cloud-to-on-premises integration
- Overview of security considerations for edge devices

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > Hybrid Collaboration Solutions Engineer
- > Cisco Webex Deployment and Integration Specialist
- > Unified Communications Network Administrator (with Cloud/Edge Focus)

FREQUENTLY ASKED QUESTIONS

Q: What practical skills will I acquire for integrating Cisco Webex cloud services with existing on-premises Unified Communications Manager (UCM) deployments?

This course provides hands-on skills in configuring Webex Calling and Meetings within a hybrid framework, connecting Webex Control Hub to UCM, and synchronizing user directories. You'll learn to establish secure external access via Cisco Expressway for remote users and integrate PSTN connectivity using Cisco CUBE, enabling a seamless blend of cloud and on-premises communication.

Q: What are the recommended prerequisites or prior experience necessary to maximize my learning experience in this intermediate-level course?

To get the most out of this intermediate course, it is highly recommended to have a foundational understanding of Cisco Unified Communications Manager (UCM) administration and basic networking concepts, including IP addressing, routing, and SIP fundamentals. Familiarity with Cisco's collaboration portfolio or a CCNA Collaboration equivalent background would be beneficial.

Q: How does this course specifically address secure remote access and external connectivity challenges in a hybrid Cisco collaboration environment?

This course extensively covers the deployment and configuration of Cisco Expressway-C and Expressway-E to provide secure Mobile and Remote Access (MRA) for remote users. It also details how to implement Cisco Unified Border Element (CUBE) to manage secure and reliable SIP trunking for PSTN connectivity, effectively resolving challenges related to external and inter-company communication in hybrid setups.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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