Implementing and Operating Cisco Collaboration Core Technologies On-Premises Training

Duration: **5 Day**

BILGINÇ IT Academy
info@bilginc.com
bilginc.com

Overview

This five-day instructor-led course provides the knowledge and practical skills required to deploy, configure, manage, and troubleshoot Cisco Collaboration technologies in on-premises enterprise environments. Learners develop a comprehensive understanding of Cisco Unified Communications Manager (Unified CM), Cisco Unity Connection, Cisco Instant Messaging and Presence, Cisco Expressway, and media resource management.

Through a combination of instructor-led learning and hands-on labs, participants gain practical experience configuring call control, dial plans, media resources, endpoint registration, mobility services, collaboration security, and high availability. The course also explores collaboration applications, gateway integration, troubleshooting methodologies, and operational best practices to help learners build secure, resilient, and scalable on-premises collaboration solutions.

This course, together with the Implementing and Operating Cisco Collaboration Core Technologies Hybrid and Cloud (CLCOR-HC) course, prepares learners for the Cisco 350-801 CLCOR v2.0 certification exam and supports progression towards Cisco Certified Specialist – Collaboration Core, CCNP Collaboration, and CCIE Collaboration certifications. Successful completion also provides 26 Cisco Continuing Education credits towards recertification.

Prerequisites

There are no formal prerequisites for this course. However, learners will benefit from having:

- A working knowledge of networking fundamentals, including switching, routing, and TCP/IP
- A basic understanding of voice, video, and unified communications technologies
- Familiarity with Cisco networking environments
- Experience administering enterprise IT infrastructure

Cisco recommends completing the following courses before attending:

- Implementing and Administering Cisco Solutions (CCNA)
- Understanding Cisco Collaboration Foundations (CLFNDU)

Target audience

This course is designed for:

- Collaboration engineers
- Unified Communications engineers
- Network engineers
- Voice and video specialists
- Systems engineers
- Technical support engineers responsible for Cisco Collaboration platforms
- IT professionals preparing for Cisco Collaboration certifications
- Engineers deploying and supporting on-premises Cisco collaboration solutions

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What You Will Learn

By the end of this course, learners will be able to:

- Describe the architecture and components of Cisco on-premises collaboration solutions.
- Deploy and administer Cisco Unified Communications Manager.
- Configure endpoints, users, and device pools.
- Implement dial plans and call routing strategies.
- Configure media resources to support conferencing and media services.
- Deploy Cisco Unity Connection for voicemail and messaging services.
- Configure Cisco Instant Messaging and Presence services.
- Implement Cisco Expressway for secure remote and mobile access.
- Configure collaboration gateways and SIP trunks.
- Apply collaboration security and authentication best practices.
- Monitor, maintain, and troubleshoot collaboration services.
- Prepare for the Cisco 350-801 CLCOR v2.0 certification examination.