E-Learning - Implementing and Operating Cisco Collaboration Core Technologies

Cisco - On Demand E-Learning

The Implementing and Operating Cisco Collaboration Core Technologies (CLCOR) v1.1 course helps you prepare for advanced-level roles focused on implementation and operation of Cisco collaboration solutions.

You will gain the knowledge and skills needed to implement and deploy core collaboration and networking technologies, including infrastructure and design, protocols, codecs, and endpoints, Cisco Internetwork Operating System (IOS) XE gateway and media resources, call control, Quality of Service (QoS), and additional Cisco collaboration applications.

This course helps prepare you to take the Implementing and Operating Cisco Collaboration Core Technologies (350-801 CLCOR) exam. After you pass this exam, you earn Cisco Certified Specialist - Collaboration Core certification and satisfy the core requirement for the CCNP Collaboration and CCIE Collaboration certifications.

Access Duration: 180 days

Continuing Education Credits: 64

Purpose of the training

- Students preparing to take the CCNP Collaboration certification

- Network administrators
- Network engineers
- Systems engineers

Benefits of completing the training

This course will help you:

- Integrate and troubleshoot Cisco Unified Communications Manager with Lightweight Directory Access Protocol (LDAP) for user synchronization and user authentication
- Implement Cisco Unified Communications Manager provisioning features
- Configure and troubleshoot collaboration endpoints

Exam description

Associated Certification: CCNP Collaboration, CCIE Collaboration

Associated Exam: 350-801 CLCOR

Expected Listener Preparation

- Students preparing to take the CCNP Collaboration certification
- Network administrators
- Network engineers
- Systems engineers

Training Language

Language: English
Materials: English

Training Includes

- Labs
- Self-Paced Training
- Video Training

Duration

1 days / 1 hours

Training agenda

- Describe the Cisco Collaboration solutions architecture
- Compare the IP Phone signaling protocols of Session Initiation Protocol (SIP), H323, Media Gateway Control Protocol (MGCP), and Skinny Client Control Protocol (SCCP)
- Integrate and troubleshoot Cisco Unified Communications Manager with LDAP for user synchronization and user authentication
- Implement Cisco Unified Communications Manager provisioning features
- Describe the different codecs and how they are used to transform analogue voice into digital streams
- Describe a dial plan, and explain call routing in Cisco Unified Communications Manager
- Implement Public Switched Telephone Network (PSTN) access using MGCP gateways
- Implement a Cisco gateway for PSTN access
- Configure calling privileges in Cisco Unified Communications Manager
- Implement toll fraud prevention
- Implement globalized call routing within a Cisco Unified Communications Manager cluster
- Implement and troubleshoot media resources in Cisco Unified Communications Manager
- Describe Cisco Instant Messaging and Presence, including call flows and protocols
- Describe and configure endpoints and commonly required features
- Configure and troubleshoot Cisco Unity Connection integration
- Configure and troubleshoot Cisco Unity Connection call handlers
- Describe how Mobile Remote Access (MRA) is used to allow endpoints to work from outside the company
- Analyze traffic patterns and quality issues in converged IP networks supporting voice, video, and data traffic
- Define QoS and its models
- Implement classification and marking
- Configure classification and marking options on Cisco Catalyst switches