Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)

Category: Networking & Security | **Vendor:** Cisco

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: 350-801

Course Overview

The Implementing and Operating Cisco Collaboration Core Technologies (CLCOR) training provides you with the knowledge and skills to deploy, configure and troubleshoot core collaboration and networking technologies. Topics include infrastructure design protocols, codecs, and endpoints, Cisco Internetwork Operating System (IOS®) XE gateway and media resources, call control, and Quality of Service (QoS).

Please note that this course lab access is extended over the weekend following the ILT session, for students to complete all additional self-study lab exercises.

This training helps prepare you to take the exam:

- 350-801 Implementing Cisco Collaboration Core Technologies (CLCOR)

How You'll Benefit

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
- Earn 64 credits toward recertification

Exclusive to Fast Lane / iTLS:

Extended lab hours after the course

About This Course

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Who Should Attend

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

Prerequisites & Entry Requirements

General Prerequisites:

Before taking this course, you should have the following knowledge and skills:

- Working knowledge of fundamental terms of computer networking, including LANs, WANs, switching, and routing
- Basics of digital interfaces, Public Switched Telephone Networks (PSTNs), and Voice over IP (VoIP)
- Fundamental knowledge of converged voice and data networks and Cisco Unified Communications Manager deployment

The Understanding Cisco Collaboration Foundations (CLFNDU) course will help you obtain these skills and knowledge.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- 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 analog voice into digital streams
- Describe a dial plan and explain call routing in Cisco Unified Communications Manager
- Describe cloud calling using the on-premises local gateway option through Webex by Cisco
- 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
- Implement and troubleshoot Webex Calling dial plan features in a hybrid environment
- Deploy the Webex app in a Cisco Unified Communications Manager environment and migrate from Cisco Jabber to Webex app
- 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

Detailed Course Outline

- Module 1: Cisco Collaboration Solutions Architecture
- Module 2: Call Signaling over IP Networks

- Module 3: Cisco Unified Communications Manager LDAP
- Module 4: Cisco Unified Communications Manager Provisioning Features
- Module 5: Exploring Codecs
- Module 6: Dial Plans and Endpoint Addressing
- Module 7: Cloud Calling Hybrid Local Gateway
- Module 8: Calling Privileges in Cisco Unified Communications Manager
- Module 9: Toll Fraud Prevention
- Module 10: Globalized Call Routing
- Module 11: Media Resources in Cisco Unified Communications Manager
- Module 12: Webex Calling Dial Plan Features
- Module 13: Webex App
- Module 14: Cisco Unity Connection Integration
- Module 15: Cisco Unity Connection Call Handlers
- Module 16: Collaboration Edge Architecture
- Module 17: Quality Issues in Converged Networks
- Module 18: QoS and QoS Models
- Module 19: Classification and Marking
- Module 20: Classification and Marking on Cisco Catalyst Switches

Skills You Will Learn:

- 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)
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Frequently Asked Questions

Q: What delivery options are available for Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: Which exam does this course prepare me for?

This course prepares you for the 350-801 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Implementing and Operating Cisco Collaboration Core Technologies (CLCOR) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Implementing and Operating Cisco Collaboration Core Technologies (CLCOR) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing and Operating Cisco Collaboration Core Technologies (CLCOR). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Implementing and Operating Cisco Collaboration Core Technologies, Cisco Unified Communications, CLCOR

Q: Why choose Nexus Human for Implementing and Operating Cisco Collaboration Core Technologies (CLCOR)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Implementing and Operating Cisco Collaboration Core Technologies (CLCOR) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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