Implementing and Operating Cisco Collaboration Core Technologies On-Premises

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
Certification:	Cisco Certified Specialist – Collaboration Core, CCNP, CCIE
Related Exam:	350-801

Course Overview

The Implementing and Operating Cisco Collaboration Core Technologies On-Premises (CLCOR-OP) training serves as the first half of the CLCOR curriculum. This training is designed to provide you with a deep, working knowledge of on-premises Cisco collaboration infrastructure. After completing this training, you will have demonstrated competence in configuring and troubleshooting Cisco Unified Communications Manager, managing user identity via LDAP, designing complex dial plans, implementing edge services including Cisco Expressway and Cisco Unified Border Element, and integrating unified messaging systems like Cisco Unity Connection.

This training, along with the Implementing and Operating Cisco Collaboration Core Technologies Hybrid and Cloud (CLCOR-HC) training, prepares you for the 350-801 CLCOR v2.0 exam. If passed, you earn the Cisco Certified Specialist – Collaboration Core certification and satisfy the core exam requirements for the Cisco Certified Network Professional (CCNP) Collaboration and Cisco Certified Internetwork Expert (CCIE) Collaboration certifications. This training also earns you 38 Continuing Education (CE) credits toward recertification.

How You'll Benefit

This training will help you:

- Gain practical skills in configuring and troubleshooting Cisco Unified Communications Manager and managing user identity via LDAP
- Learn to design complex dial plans, implement globalized call routing, and deploy edge services like Cisco Expressway and Unified Border Element
- Acquire hands-on experience integrating unified messaging systems such as Cisco Unity Connection.
- Build foundational knowledge in collaboration architecture, security, signaling, media protocols, and troubleshooting tools
- Prepare for the 350-801 CLCOR v2.0 exam
- Earn 38 CE credits toward recertification

What to Expect in the Exam

Implementing Cisco Collaboration Core Technologies (350-801 CLCOR) v2.0 is a 120-minute exam associated with the Cisco Certified Specialist – Collaboration Core certification and satisfies the core exam requirements for the CCNP Collaboration and CCIE Collaboration certifications.

This exam tests your knowledge of implementing core collaboration technologies, including:

- Infrastructure and design
- Protocols and endpoints
- Cisco IOS XE gateway and media resources
- Call Control
- QoS
- Collaboration applications

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Who Should Attend

- Collaboration Engineers
- Network Administrators

Prerequisites & Entry Requirements

General Prerequisites:

There are no formal prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Basic understanding of networking technologies
- Basic understanding of voice and video
- Basic understanding of on-premises, cloud, and hybrid collaboration deployment models

These skills can be found in the following Cisco Learning Offerings:

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

Learning Outcomes

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

- Introduce network engineers to the fundamental concepts and deployment models of Cisco collaboration architecture for building high-availability environments
- Understand how to implement layered security across physical, network, and application components of Cisco Collaboration systems
- Gain practical skills and strategic insight to ensure collaboration solutions function seamlessly by understanding the foundational infrastructure, signaling, and media transport protocols
- Describe the options and requirements of clustering Collaboration applications
- Demonstrate how to simplify and automate users in Cisco Unified Communications Manager using LDAP integrations
- Explore the various methods used to provision devices in Cisco Unified Communications Manager
- Apply the functions of Dial plans and Endpoint Addressing within Cisco Unified Communications Manager
- Implement globalized call routing within a Cisco Unified Communications Manager cluster
- Configure calling privileges in Cisco Unified Communications Manager
- Understand the core functions and practical uses of the main Cisco Collaboration APIs, learn secure authentication methods, and gain working knowledge of specific APIs for various Cisco Unified Communication applications
- Determine the tools available to troubleshoot Cisco Unified Communications Manager
- Describe the devices which provide the connections to destinations outside the Cisco Unified Communications Manager cluster
- Describe the Cisco Expressway components, deployment options, and supported features
- Demonstrate the fundamental functions provided by the Cisco Unified Border Element
- Demonstrate the advanced functions provided by the Cisco Unified Border Element
- Apply the Cisco Unified Border Element troubleshooting strategies and tools
- Gain the practical skills and confidence to identify, plan, and configure media resources for seamless communication and interoperability in Cisco collaboration environments
- Assess, design, and implement media resources, including DSPs, transcoders, and recording solutions on Cisco IOS XE devices
- Integrate, configure, and manage a unified messaging system with a call control system to enable essential communication features and optimize user experience

Detailed Course Outline

- Collaboration Solutions Architecture
- Cisco Collaboration Solutions Security Requirements
- IP Network Protocols for Collaboration
- Groups and Clustering
- User Management with LDAP
- On-Premises Device Provisioning Solutions
- Dial Plans and Endpoint Addressing
- Calling Privileges and Toll Fraud Protection
- Globalized Call Routing
- Cisco Unified Communications Manager APIs
- Monitoring Tools and Troubleshooting
- Edge Services
- Cisco Expressway
- Cisco Unified Border Element
- Border Controller Advanced Configuration
- Cisco Unified Border Element Troubleshooting
- Media Resources
- Cisco IOS XE Media Resources
- Cisco Unity Connection Integration

□□ Certification Path

Cisco Certified Specialist – Collaboration Core, CCNP, CCIE

Exam: 350-801

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Implementing and Operating Cisco Collaboration Core Technologies On-Premises?

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: What certification does this course prepare me for?

The Implementing and Operating Cisco Collaboration Core Technologies On-Premises course helps prepare you for the Cisco Certified Specialist – Collaboration Core, CCNP, CCIE certification path.

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 On-Premises 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 On-Premises 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 On-Premises?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing and Operating Cisco Collaboration Core Technologies On-Premises. 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 On-Premises, Cisco Unified Communications, CLCOR-OP

Q: Why choose Nexus Human for Implementing and Operating Cisco Collaboration Core Technologies On-Premises?

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 On-Premises training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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