Implementing and Operating Cisco Collaboration Core Technologies Hybrid and Cloud

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 Hybrid and Cloud (CLCOR-HC) training is the second half of the CLCOR training. This training program is designed to give you a working knowledge of hybrid and cloud Cisco collaboration core technologies. After completing this training, you will have a basic understanding of the Cisco collaboration solutions architecture. You will have proven competence in deploying cloud and hybrid services, cloud and hybrid calling, as well as Quality of Service (QoS).

This training, along with the Implementing and Operating Cisco Collaboration Core Technologies On-Premises (CLCOR-OP) 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 specialized expertise in deploying and managing modern Cisco collaboration technologies, specifically focusing on the growing hybrid and cloud market
- Develop real-world experience through labs focused on configuring Webex Control Hub, deploying Webex Calling, managing Cloud Connected UC, and implementing QoS for voice and video
- Learn how to navigate transitions from on-premises to cloud environments, including migrating users from Jabber to the Webex App and managing cloud-based user provisioning and APIs
- 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)
- The Essentials of Webex Calling (CLWXCALL)

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
- Examine the basic structure of Webex
- Apply various methods to add users to the Webex environment
- Examine the Webex collaboration features
- Examine the functions of Cloud Connected UC and migrations to Webex from on-premises
- Explain Jabber functions and capabilities on Cisco Unified Communications Manager and how users can be migrated to the Webex app
- Identify the Webex Calling provisioning options for adding user endpoints
- Understand the foundational concepts of Webex APIs, including their types, authentication, capabilities, and real-time communication mechanisms
- Identify the available options to bring PSTN calling capabilities into the Webex calling solution, identify the devices, and their configuration options, that provide this service
- Describe the different deployment options when using local gateways in a premises-based PSTN Webex Calling solution
- Explore the dial plan components of Webex Calling
- Configure Cisco Unified Border Element and local gateway settings on a Cisco Router to support Webex Calling using a premises-based PSTN deployment
- Explain how an administrator can configure calling features from the Webex Control Hub that will affect the organization
- Describe how converged IP networks transport voice, video, and data over shared infrastructure and how bandwidth availability, delay components, jitter, and packet loss interact with QoS mechanisms to influence service quality and application performance
- Explain how end-to-end QoS converts business requirements into predictable forwarding behavior under congestion across a multi-domain network
- Implement consistent classification and marking policies to protect voice and video quality and resolve quality issues in a production network
- Define QoS trust boundaries, understand Cisco Catalyst 9000 QoS design models, configure QoS

marking and table maps, and leverage internal DSCP values for precise QoS actions

Detailed Course Outline

- Collaboration Solutions Architecture
- Cisco Collaboration Solutions Security Requirements
- IP Network Protocols for Collaboration
- Building Blocks of a Cloud Collaboration Solution
- User Management from the Cloud
- Cloud Messaging and Meetings
- Cloud-Connected Unified Communications Updates and Migrations
- Jabber to Webex Migration
- Cloud Device Provisioning Solutions
- Cloud Collaboration APIs
- Cloud and Hybrid Calling Solutions
- Deployment Scenarios for Local Gateways
- Cloud Calling Deployment from Control Hub
- IOS XE Router Settings for Cloud Calling
- Cloud Calling Features
- Quality Issues in Converged Networks
- QoS and QoS Models
- Classification and Marking
- Classification and Marking on Cisco Catalyst Switches

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 Hybrid and Cloud?

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 Hybrid and Cloud 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 Hybrid and Cloud 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 Hybrid and Cloud 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 Hybrid and Cloud?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing and Operating Cisco Collaboration Core Technologies Hybrid and Cloud. 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 Hybrid and Cloud, Cisco Unified Communications, CLCOR-HC

Q: Why choose Nexus Human for Implementing and Operating Cisco Collaboration Core Technologies Hybrid and Cloud?

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 Hybrid and Cloud 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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