

Cisco 350-801 Exam Preparation 2026

Cisco 350-801 CLCOR exam prep. Collaboration technologies, call control, QoS, and security for 2026.

[IT Certifications](#) Instructor: Brian Mitchell • 5 sections • 46 lessons • 16.00h total

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About this course

If you are preparing for the Cisco 350-801 CLCOR exam, this course provides a structured path through the core collaboration technologies you need to know. We will break down complex topics into manageable lessons, focusing on real-world implementation rather than just memorizing facts.

You will learn how to configure and troubleshoot Cisco collaboration solutions, including call control, QoS, and security. The course includes video tutorials, downloadable configuration templates, and practical case studies from real enterprise environments.

Course curriculum

Foundations and Exam Overview

- **Understanding the 350-801 Exam Structure (12m)**
Learn the exam domains, question types, and scoring. Get a clear roadmap for your study plan.
- **Cisco Collaboration Architecture Basics (18m)**
Explore the core components of Cisco collaboration solutions and how they work together.
- **Setting Up Your Lab Environment (25m)**
Step-by-step guide to building a virtual lab using Cisco Packet Tracer and other tools.
- **Key Terminology for Collaboration (8m)**
Define essential terms like SIP, H.323, and codecs to build a strong foundation.
- **Study Plan and Time Management (10m)**
Create a realistic study schedule to cover all exam topics efficiently.
- **Common Exam Pitfalls to Avoid (15m)**
Learn about frequent mistakes and how to steer clear of them during preparation.
- **Resource Guide for 2026 (7m)**
Review recommended books, forums, and practice tests for the latest exam version.

Core Collaboration Technologies

- **Cisco Unified Communications Manager (CUCM) Overview (22m)**
Understand CUCM architecture and its role in call processing.
- **Configuring SIP Trunks in CUCM (28m)**
Walk through setting up SIP trunks with practical configuration examples.
- **Implementing Call Routing and Partitions (32m)**
Learn to design call routing logic using partitions and calling search spaces.
- **Cisco Unity Connection Voicemail Setup (20m)**
Configure voicemail integration with CUCM and troubleshoot common issues.
- **Cisco Expressway Edge and Core (26m)**
Deploy Expressway for remote collaboration and firewall traversal.
- **QoS Fundamentals for Collaboration (35m)**
Apply Quality of Service policies to ensure voice and video quality.
- **Cisco Webex Meetings Configuration (18m)**
Set up Webex meetings and integrate with on-premises systems.
- **Cisco Jabber Deployment (14m)**
Deploy Jabber clients for desktop and mobile collaboration.
- **Troubleshooting Call Quality Issues (30m)**
Use diagnostic tools to identify and fix audio/video quality problems.

Security and Compliance Deep Dive

- **Cisco Collaboration Security Framework (16m)**
Learn the security pillars for protecting collaboration environments.

- **Implementing Secure SIP and TLS (24m)**
Configure encryption for signaling and media using certificates.
- **Cisco Expressway Security Features (19m)**
Secure edge devices with firewall rules and access controls.
- **CUCM Security Settings and Best Practices (22m)**
Apply hardening techniques to protect CUCM servers.
- **Compliance and Recording Solutions (27m)**
Set up call recording for regulatory compliance using Cisco tools.
- **Identity Management and Authentication (15m)**
Integrate with Active Directory and implement SSO for users.
- **Securing Webex Teams and Meetings (20m)**
Configure policies for secure collaboration in the cloud.
- **Real-World Security Case Study (35m)**
Analyze a security breach scenario and apply lessons to protect networks.

Advanced Configuration and Integration

- **Integrating CUCM with CER (Emergency Responder) (25m)**
Configure emergency call routing and location tracking.
- **Cisco Unified Border Element (CUBE) Setup (32m)**
Deploy CUBE for SIP interconnection and security.
- **Advanced Call Routing with Route Patterns (28m)**
Design complex routing using patterns and transformations.
- **Cisco Meeting Server Deployment (23m)**
Set up on-premises meeting servers for video conferencing.
- **QoS Advanced: LLQ and Shaping (30m)**
Implement Low Latency Queuing and traffic shaping for voice.
- **Troubleshooting Integration Issues (26m)**
Use logs and traces to diagnose system integration problems.
- **Cisco Webex Devices Configuration (17m)**
Configure room and desk devices for hybrid meetings.
- **Automating Collaboration Tasks with APIs (21m)**
Use REST APIs to automate CUCM and Expressway tasks.
- **Case Study: Multi-Site Deployment (38m)**
Walk through a real enterprise deployment across multiple locations.
- **Performance Monitoring and Optimization (24m)**
Use monitoring tools to optimize collaboration system performance.

Implementation and Exam Readiness

- **Final Exam Strategy and Tips (15m)**
Review key areas and learn time management for the exam day.
- **Practice Exam: Part 1 - Core Concepts (20m)**
Test your knowledge with scenario-based questions.

- **Practice Exam: Part 2 - Security and QoS (22m)**
Focus on security and quality of service questions.
- **Practice Exam: Part 3 - Advanced Topics (24m)**
Challenge yourself with advanced configuration scenarios.
- **Reviewing Your Practice Test Results (18m)**
Analyze mistakes and create a targeted revision plan.
- **Troubleshooting Lab: Real-World Scenarios (35m)**
Solve hands-on problems in a simulated environment.
- **Creating Your Configuration Cheat Sheet (12m)**
Build a quick reference guide for exam day.
- **Time Management During the Exam (10m)**
Learn pacing techniques to complete all questions.
- **Final Review: Key Topics Checklist (16m)**
Go through all exam domains one last time.
- **What to Expect on Exam Day (8m)**
Know the testing center procedures and what to bring.
- **Post-Exam: Next Steps and Certification (11m)**
Plan your career path after passing the 350-801 exam.
- **Ongoing Learning Resources (9m)**
Discover communities and advanced topics for continued growth.

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