mplementing Cisco IP Telephony & Video, Part 1

Code: CIPTV1-1-0-SUB
URL: [View Online](#)

This is a Professional-level self-study technical course in the curriculum for the CCNP Collaboration certification. It prepares the learner for implementing a Cisco Collaboration solution at a single-site environment. This course focuses primarily on Cisco Unified Communications Manager Version 10.x, which is the call-routing and signaling component for the Cisco Collaboration solution. Lab exercises included in the course help learners to perform post installation tasks, configure Cisco Unified Communications Manager, implement MGCP and H.323 and, SIP trunks, and build dial plans to place single site on-cluster and off-cluster calling for voice and video. Learners will also implement media resources, audio and video conferencing, and describe QoS.

Skills Gained

- Cisco Unified Communications Manager Introduction
- Dial Plan Introduction and Implementation of Single-Site On-Cluster Calling
- Implementation of Single-Site Off-Cluster Calling
- Media Resources
- Audio and Video Conferencing
- Quality of Service

Who Can Benefit

- Network administrators and network engineers
- CCNP Collaboration candidates
- Systems engineers

Prerequisites

- Working knowledge of fundamental terms and concepts of computer networking, including LANs, WANs, switching and routing
- Ability to configure and operate Cisco routers and switches and to enable VLANs and DHCP
- Basics of digital interfaces, PSTN, and VoIP
- Fundamental knowledge of converged voice and data networks

Course Details

Cisco Digital E-Learning benefits students in many ways, as it's:

- Effective: Covers every learning style, with HD instructor-led video, searchable transcripts, and full Student Guide textbook
- Interactive: Offers engaging Discovery Labs for hands-on learning, plus graded challenge assignments to measure progress
- Flexible: Increases learning convenience, as students can work at their own pace, anytime, anywhere
- Integrated: Provides everything in one place; no multiple systems to log into
- Unrivaled: Gives you the benefits of Cisco expertise, based on years of unmatched learning and certification experience

Other Instructional features include:

- Search, which lets students go through all the instruction guides, as well as transcripts of videos
- Lab recordings, which let students see how other students performed in labs, to improve peer learning
- Labs-at-a-glance, showing each student's complete and incomplete labs, so they can track progress and make improvements
- Compatibility with smartphones and tablets, so students can learn wherever they go, with their progress saved for them
- Synchronized learning on multiple devices, so students can switch between a laptop and a tablet without losing their place
- Gamification, with achievement badges and medals awarded for mastering content and study techniques
- Leaderboard, indicating how the top 10 students rank, to add a friendly, competitive element
- Bookmarking, which lets students flag and add notes to important concepts or areas they want to review
- Glossary that can be easily browsed, with important terms highlighted
- Social media links, so students can share their progress on Facebook, LinkedIn, or Twitter
- Certificate of completion awarded to all students who finish each course
- Topic videos, including slides and a whiteboard to illustrate important fundamentals from a specific topic or subtopic

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