Understanding Cisco Collaboration Foundations (CLFNDU)

ID CLFNDU **Price** CHF 4,150.—(excl. VAT) **Duration** 5 days

Who should attend

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

Prerequisites

This course is intended to be an entry-level course. There are no specific prerequisite Cisco courses; however, the following skills are required:

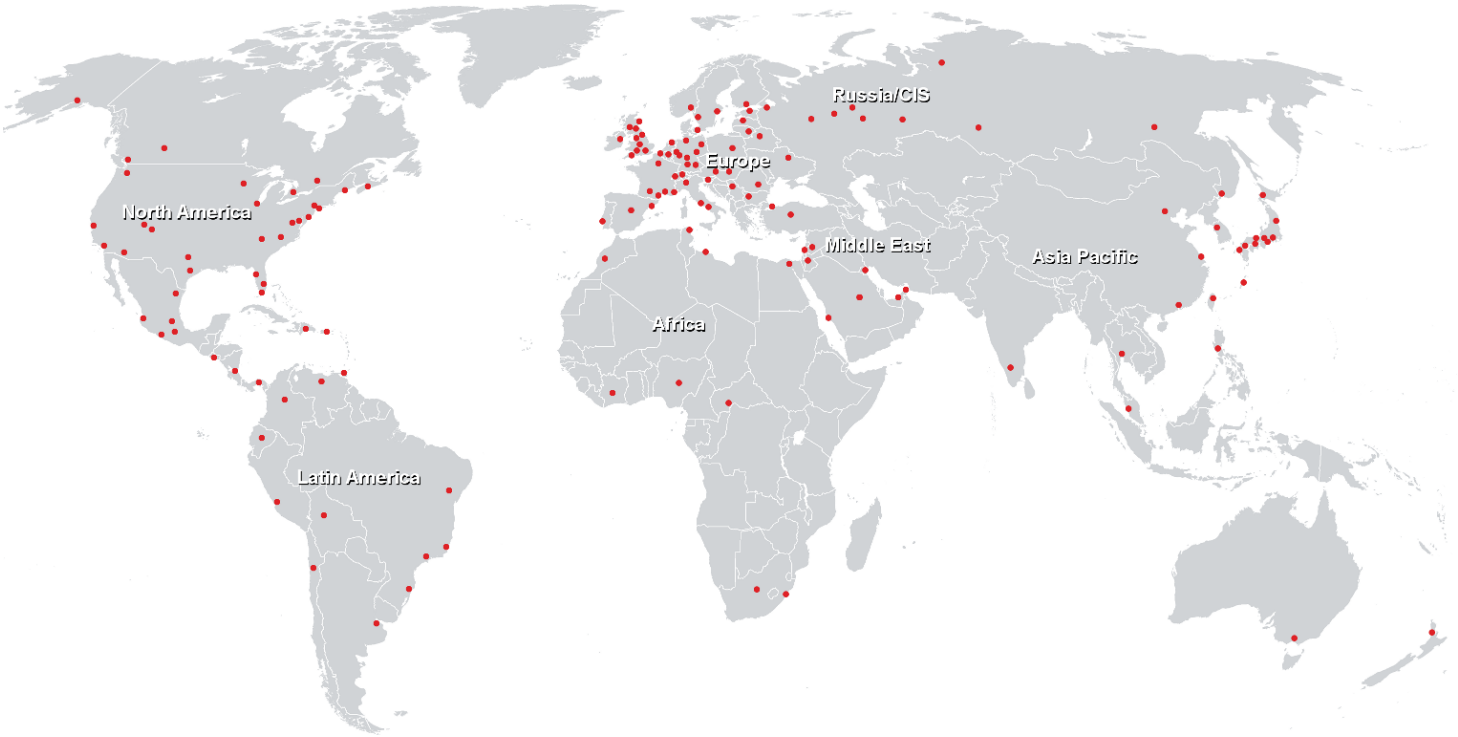
- Internet web browser usability knowledge and general computer usage
- Knowledge of Cisco Internetwork Operating System (Cisco IOS®) command line

Course Objectives

- Describe benefits of using Cisco collaboration solution, collaboration deployment models, and components of collaboration solution in on-premises, cloud, and hybrid deployments
- Explore different codecs used in voice and video calls and explain how SIP signaling is used to set up and teardown calls
- Identify Cisco Unified Communications Manager User Types and use Active Directory to manage Users in Cisco Unified Communications Manager
- Identify the appropriate Cisco Unified IP Phone software solution for registration, recognize different Cisco Unified IP Phone models and their supported software, and identify various models of Webex video endpoints
- Provide an understanding of Cisco Unified Communications Manager, including its deployment models, cluster architecture, network requirements, collaboration services, administration tools, and redundancy strategies to design, implement, and maintain robust collaboration networks
- Examine the lifecycle of Cisco collaboration endpoints
- Understand the dial plans and call routing in Cisco Unified Communications Manager including the key components, digit manipulation techniques, translation patterns, and practical skills to create and configure a basic dial plan
- Configure a class of service elements in the Cisco Unified Communications Manager
- Provide an overview of the reporting and maintenance tools available for managing and monitoring Cisco Unified Communications systems
- Analyze media resources within Cisco Unified Communications systems, including conferencing solutions, transcoders, media termination points, and music on hold, to optimize their configuration and usage
- Describe the differences between a rendezvous, Meet-Me and ad hoc conference, describe how to create a SIP Trunk for Cisco Meeting Server in Cisco Unified Communications Manager, and how to set up media resources to support ad hoc and Meet-Me conferences
- Analyze the deployment, integration, and use cases of Cisco Instant Messaging and Presence Service alongside Cisco Unified Communications Manager to optimize communication through scalable, redundant, and secure solutions
- Evaluate the features, deployment options, and integration of Cisco Jabber with Cisco Unified Communications Manager to optimize communication workflows, enhance team collaboration, and provide a smooth transition to modern communication solutions
- Analyze Cisco Unity Connection components, architecture, and call handlers, focusing on the system's deployment, configuration, and user management to optimize communication workflows and enhance user experience
- Describe the Cisco Edge Services Components
- Analyze the architecture and configuration of Cisco Expressway Zones, as well as the role of Search Rules, security certificates, and encryption strategies to enable efficient and secure voice, video, and collaboration services between internal and external networks
- Analyze the architecture and configuration of Cisco Unified Border Element, including its key features for signaling and media interworking, security demarcation, toll-fraud prevention, and call admission control to enable secure, cost-effective voice and video connectivity across disparate VoIP networks
- Describe how to access the Control Hub and navigate the menus to setup a Webex collaboration solution
- Introduce User administration in Control Hub
- Explore the registration process to Control Hub
- Examine Webex Calling options using the Control Hub
- Explore admin-configurable features and user configurable

features in Webex calling
- Describe Reporting and Maintenance
- Provide a technical understanding of Cisco Webex cloud and hybrid media resources, including voicemail management, Edge Audio, and Video Mesh
- Describe Cisco Webex Hybrid Cloud Connected Unified Communications
- Describe Webex Hybrid Services

Training Centres worldwide





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