

# CLFNDU

## Understanding Cisco Collaboration Foundations

The Understanding Cisco Collaboration Foundations (CLFNDU) 1.0 course gives you the skills and knowledge needed to administer and support a simple, single-site Cisco® Unified Communications Manager (CM) solution with Session Initiation Protocol (SIP) gateway. The course covers initial parameters, management of devices including phones and video endpoints, management of users, and management of media resources, as well as Cisco Unified Communications solutions maintenance and troubleshooting tools. In addition, you will learn the basics of SIP dial plans including connectivity to Public Switched Telephone Network (PSTN) services, and how to use class-of-service capabilities.

This course provides the fundamental knowledge needed to take CCNP® Collaboration certification courses. It also serves as entry-level training for newcomers to Cisco on-premise collaboration technologies.

### Course Contents

- Exploring the Path to Collaboration
- Introducing Cisco Unified Communications Manager and Initial Parameters
- Exploring Endpoints and the Registration Process
- Exploring Codecs and Call Signaling
- Managing Users in Cisco Unified Communication Manager
- Describing a Basic Dial Plan
- Describing Class of Service
- Enabling Endpoints and Features
- Describing the Cisco ISR as a Voice Gateway
- Exploring Cisco Unified Communication Manager Media Resources
- Reporting and Maintenance
- Exploring Additional Requirements for Video Endpoints
- Describing Cisco Unity Connection

**E-Book** You will receive the original course documentation from Cisco in English language as a Cisco E-Book. In the Cisco Digital Learning Version, the content of the courseware is integrated into the learning interface instead.

### Target Group

#### Job Roles

- 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

### Processing time

approx. 30 hours

### This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

[www.expertech-training.com/go/CLFN](http://www.expertech-training.com/go/CLFN)

### Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

### Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

### Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

### Cisco Digital Learning

This course is available in the Cisco Digital Learning Library. These recently developed, multi-modal training events include HD videos moderated by lecturers with stored searchable text and subtitles, as well as a exercises, labs, and explanatory text and graphics. We provide this offer to you via our myExpertech learning portal. Effective of the activation of the account, access to the courses will be granted for a duration of 6 months. In the case of packet solutions (Cisco Digital Learning Subscriptions), this time period will amount to 12 months.

Cisco Digital Learning	Prices, excl. of V.A.T.
	€ 1,500

Training	Prices, excl. of V.A.T.
<b>Classes in Germany</b>	<b>5 Days € 3,595</b>
<b>Classes in Austria</b>	<b>5 Days € 3,595</b>
<b>Online Training</b>	<b>5 Days € 3,595</b>
<b>Date/course venue</b>	<b>Course language German </b>
19/08-23/08/24  Online	10/02-14/02/25  München
19/08-23/08/24  Wien	10/02-14/02/25  Online
14/10-18/10/24  Hamburg	07/04-11/04/25  Düsseldorf
14/10-18/10/24  Online	07/04-11/04/25  Online
02/12-06/12/24  München	02/06-06/06/25  Frankfurt
02/12-06/12/24  Online	02/06-06/06/25  Online

Status 05/22/2024



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## CLFNDU – Understanding Cisco Collaboration Foundations

### Course Outline

- Exploring the Path to Collaboration
  - Introducing Cisco Unified Communications Manager and Initial Parameters
  - Exploring Endpoints and the Registration Process
  - Exploring Codecs and Call Signaling
  - Managing Users in Cisco Unified Communication Manager
  - Describing a Basic Dial Plan
  - Describing Class of Service
  - Enabling Endpoints and Features
  - Describing the Cisco ISR as a Voice Gateway
  - Exploring Cisco Unified Communication Manager Media Resources
  - Reporting and Maintenance
  - Exploring Additional Requirements for Video Endpoints
  - Describing Cisco Unity Connection
- Examine the Integration between Unity Connection and Cisco Unified CM
  - Manage Unity Connection Users

### Lab Outline

- Configure Default Cisco Unified CM System and Enterprise Parameters
- Configure the Cisco Unified CM Core System Settings
- Configure an Access Switch for an Endpoint
- Deploy an IP Phone Through Auto and Manual Registration
- Administer Endpoints in Cisco Unified Communications Manager
- Create a Local User Account and Configure LDAP
- Implement Users
- Create a Basic Dial Plan
- Explore Partitions and Call Search Spaces
- Describe Private Line Automatic Ringdown (PLAR)
- Deploy an On-Premise Cisco Jabber® Client for Windows
- Implement Common Endpoint Features
- Configure Common Endpoint Features
- Configure Voice over Internet Protocol (VoIP) Dial Peers
- Configure Integrated Service Digital Network (ISDN) Circuits and Plain Old Telephone Service (POTS) Dial Peers
- Control Access to Media Resources
- Use Reporting and Maintenance Tools
- Explore Endpoint Troubleshooting Tools

