

## **Cisco Certified Design Associate Design**

Telecom Engineering Düsseldorf (Germany) 10 - 14 Mar 2025

# uk Traininig **PARTNER**

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### **Cisco Certified Design Associate Design**

**Ref:** 321691\_144002 **Date:** 10 - 14 Mar 2025 **Location:** Düsseldorf (Germany) **Fees:** 4200 **Euro** 

### Introduction

CCNP Collaboration is a professional-level certification offered by Cisco that validates the skills and knowledge required to design, deploy, configure, and troubleshoot collaboration and unified communication solutions. It covers a range of topics related to Cisco's collaboration technology, including IP telephony, video, messaging, presence, and collaboration endpoints.

## **Course Objective**

The CCNP Collaboration certification training is designed to validate the skills and knowledge required to design, implement, configure, and troubleshoot Cisco collaboration and unified communication solutions.

## **Course Outline**

Day 1

#### **Cisco Collaboration Applications**

- Understanding Cisco Collaboration Solutions and Applications
- Cisco Unified Communications Manager CUCM Administration
- Cisco Unity Connection Administration
- Cisco Unified IM and Presence Administration

#### Day 2

#### **Cisco Collaboration Edge Architecture**

- Understanding Cisco Collaboration Edge Architecture
- Cisco Expressway Basic Setup and Configuration
- Cisco Unified Border Element CUBE Configuration

#### Day 3

#### **Cisco Collaboration Call Control and Dial Plan**





- Understanding Call Routing in CUCM
- Configuring Digit Manipulation in CUCM
- Configuring Path Selection in CUCM
- Configuring Call Admission Control CAC in CUCM

#### Day 4

#### **Cisco Collaboration Media Resources**

- Understanding Media Resources in CUCM
- Configuring Conference Bridges in CUCM
- Configuring Media Termination Points MTPs in CUCM
- Configuring Music on Hold MoH in CUCM

#### Day 5

#### **Cisco Collaboration Applications and Quality of Service QoS**

- Configuring Cisco Jabber and Cisco Webex Teams
- Understanding Cisco Quality of Service QoS Requirements for Collaboration
- Configuring QoS for Collaboration Traffic in the LAN and WAN
- Troubleshooting Collaboration Solutions





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