

Cisco Certified Design Associate Design

Telecom Engineering
Paris (France)
10 - 14 Feb 2025

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Cisco Certified Design Associate Design

Ref: 321691_143996 **Date:** 10 - 14 Feb 2025 **Location:** Paris (France) **Fees:** 4400 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

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- 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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