

IMPLEMENTING CISCO IP TELEPHONY & VIDEO, PART 1 (CIPTV1)

Cisco CCNP Voice Zertifizierung

Dauer: 5 Tage

Nr.: 59542

Preis: 3.190€ netto / 3.796,10 € inkl. 19 % MwSt.

Durchführungsart: Präsenztraining

Schulungsmethode: Vortrag, Präsentation, Demonstration, Übungen, Labs.

Zielgruppe: The primary target audiences for the course are:

- Network administrators and network engineers - CCNP Collaboration candidates
Secondary audiences are: - Systems engineers

Voraussetzungen: Working knowledge of fundamental terms and concepts of computer networking, LANs, WANs, switching and routing

- Ability to configure and operation Cisco routers and switches, enablement of VLANs and DHCP - Knowledge of basics of digital interfaces, PSTN, VoIP - Basics of converged voice and data networks

- Describe the role of Cisco Unified Communications Manager in a Cisco Collaboration Solution, including its functions, architecture, deployment, and redundancy options, and how to deploy endpoints, users, and Cisco IP Phone Services.
- Describe the functions and the purpose of a dial plan and explains how to implement on-cluster calling
- Describe how to configure MGCP, H.323, and SIP gateways. The module also describes how to create a dial plan that supports inbound and outbound off-cluster calling for numbers and URLs.
- Describe the types of media resources that Cisco Unified Communications Manager supports, how to configure Cisco Unified Communications Manager server software-based media resources, and how to implement Cisco hardware-based media resources
- Describe how to implement audio and video conferencing devices that can be used with Cisco Unified Communications Manager, built-in Cisco Unified Communications Manager software audio bridge, Cisco IOS-based audio and video conference bridges, and Cisco TelePresence conferencing products including Cisco TelePresence MSE 8000, Cisco TelePresence Server, Cisco TelePresence MCU, and Cisco TelePresence Conductor.
- Provide an introduction to QoS with emphasis on the QoS components, often referred to as the QoS toolkit, that are used to provide services for various business applications.



Programm

CIPTV1 v1.0 gives the learner all the tools they need to implement a Cisco Collaboration solution at a single site environment. This course focuses on Cisco Unified Communications Manager V10.x as the call routing and signaling component for the Cisco Collaboration solution.

CIPTV1 labs help the learners to successfully perform post-installation tasks, configure Cisco Unified Communications manager, implement MGCP and H.323 and SIP trunks. Learners will also implement audio/video conferencing, media resources, and describe QoS.

Module 1: Cisco Unified Communications Manager Introduction

Module 2: Dial Plan Introduction and Implementation of Single-Site On-Cluster Calling

Module 3: Implementation of Single-Site Off-Cluster Calling

Module 4: Media Resources

Module 5: Audio and Video Conferencing

Module 6: Quality of Service

Labs

- Configuring Cisco Unified Communications Manager Initial Settings
- Deploying Endpoints and Users
- Implementing Endpoint Addressing and Call Routing
- Implementing Calling Privileges
- Implementing Call Coverage
- Implementing PSTN Calling Using MGCP Gateways
- Implementing PSTN Calling Using H.323 Gateways
- Implementing PSTN Calling Using SIP Trunks Through Cisco Unified Border Element
- Using Cisco Unified Border Element for URI Dialing
- Implementing Annunciators and MOH
- Implementing Conference Bridges
- Implementing Cisco TelePresence Conductor

Hinweis

Zertifizierung

Empfohlenes Training für die Zertifizierung zum:

Cisco Certified Network Professional Collaboration (CCNP)

Termine und Orte - Nr.: 59542

Garching b. München

14 Oct - 18 Oct 2019

Eschborn

28 Oct - 01 Nov 2019

Stuttgart

11 Nov - 15 Nov 2019

Berlin

25 Nov - 29 Nov 2019

Düsseldorf

02 Dec - 06 Dec 2019

Hamburg

16 Dec - 20 Dec 2019

Online Anmeldung:

Kundenservice | Tel. 0711 62010 100 | Fax: 0711 62010 267 | seminaranmeldung@integrata-cegos.de

<https://www.integrata-cegos.de/59542>

15/09/2019