

CI – CVOICE

Implementing Cisco Voice Communications and QoS



Summary

Duration

5 Days

Vendor

Cisco

Category

Unified Communications / CCNP VOICE

Introduction

Implementing Cisco Voice Communications and QoS (CVOICE) v8.0 teaches learners about voice gateways, characteristics of VoIP call legs, dial plans and their implementation, basic implementation of IP phones in Cisco Unified Communications Manager Express environment and essential information about gatekeepers and Cisco Unified Border Element. The course provides the learners with voice-related QoS mechanisms that are required in Cisco Unified Communications networks.

Prerequisites

- CCNA VOICE

Course Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Explain what a voice gateway is, how it works, and describe its usage, components, and features.
- Describe the characteristics and configuration elements of VoIP call legs.
- Describe how to implement IP phones using Cisco Unified Communications Manager Express.
- Describe the components of a dial plan and explain how to implement a dial plan on a Cisco Unified voice gateway.
- Explain what gatekeepers and Cisco Unified Border Elements are, how they work, and what features they support.
- Describe why QoS is needed, what functions it performs, and how it can be implemented in a Cisco Unified Communications network.

Course Outline

- Course Introduction
- Introduction to Voice Gateways
- VoIP Call Legs
- Cisco Unified Communications Manager Express Endpoints Implementation
- Dial Plan Implementation
- Gatekeeper and Cisco Unified Border Element Implementation
- Quality of Service

Associated Certifications & Exams

The Implementing Cisco Unified Communications Voice over IP and QoS v8.0 (CVOICE v8.0) 642-437 is the exam associated with the CCNP Voice certification. This exam tests a candidate's knowledge of how to implement and operate gateways, gatekeepers, Cisco Unified Border Element, Cisco Unified Communications Manager Express and QoS in a voice network architecture.

On successful completion of this course students will receive a Torque IT attendance certificate.