

CI – CVOICE

Cisco Voice over IP v6.0



Summary

Duration
5 Days

Vendor
Cisco

Category
Unified Communications / CCVP

Introduction

Cisco Voice over IP (CVOICE) v6.0 provides an understanding of converged voice and data networks and also the challenges faced by the various network technologies. The course also provides network administrators and network engineers with the knowledge and skills required to integrate gateways and gatekeepers into an enterprise VoIP network. This course is one of several courses in the Cisco CCVP track that addresses design, planning, and deployment practices and provides comprehensive hands-on experience in configuration and deployment of VoIP networks.

Prerequisites

CCNA

Course Objectives

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

- Describe VoIP, components of a VoIP network, VoIP protocols, special requirements for VoIP calls, and Codecs.
- Configure gateway interconnections to support VoIP and PSTN calls.
- Describe the basic signaling protocols used on voice gateways and configure a gateway to support calls using the various signaling protocols.
- Define a dial plan, describing the purpose of each dial plan component, and implement a dial plan on a voice gateway..
- Describe gatekeeper functions, protocols, and operation and implement an H.323 gatekeeper to provide dial plan resolution and call admission control.
- Implement a Cisco Unified Border Element gateway to connect to an Internet Telephony Service Provider.

Course Outline

- Introducing Voice over IP
- Configuring Voice Ports
- Implementing VoIP Gateways
- Implementing Dial Plans on Voice Gateways
- Implementing H.323 Gatekeepers
- Connecting to an ITSP

Associated Certifications & Exams

The 642-436 CVOICE Cisco Voice over IP is the exam associated with the CCVP certification. This exam tests a candidate's knowledge of the foundational elements of VOIP calls, and the description of dial plans, and the implementation of gateways, gatekeepers and IP-IP gateways.

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