

Implementing Cisco Voice Gateways and Gatekeepers (GWGK) 2.0

Duration

5 days

Course Overview

GWGK will provide students with information and practice activities to prepare them to install, configure, monitor and troubleshoot Cisco voice gateways and gatekeepers in Enterprise installations, in accord with the recommendations of Cisco's Solution Reference Network Design for IP Telephony guides..

Prerequisites

- CCNA certification status or equivalent knowledge
- Conceptual understanding of Cisco CallManager / CallManager Express components.

Course Objectives

- Given a customer CallManager based IPC network, students will be able to implement H.323, SIP and MGCP controlled gateways including SRST and RSVP support.
- Given a customer IPC solution requiring integration with the PSTN and PBXs, students will implement the appropriate interconnections.
- Given a customer multi-site IPC network including H.323 / SIP controlled gateways, SRST gateways and CallManager Express, students will implement a dial plan.
- Given a customer CallManager deployment, students will implement media resources, call applications and fax on gateways.
- Given a customer IPC network, students will implement basic and advanced gatekeeper functionality and gatekeeper redundancy on IOS routers.
- Given an existing voice ready customer network, the student will identify and describe the different IP-IP Gateway deployment models and explain the features supported for enterprise customers.

Course Outline

- Module 1 – Gateway Deployments
- Module 2 – Cisco IP communications PSTN and PBX integrations
- Module 3 – Dial Plans on Cisco IOS Gateways
- Module 4 – Additional Gateway Features
- Module 5 – Gatekeeper Deployments
- Module 6 – IP-to-IP Enterprise Gateway Deployments

Additional Material exclusively covered

As this course is written to Call Manager version 5.0, an update will be provided to participants outlining the changes across all revisions up to and including Call Manager version 6.x. A revision of version 4.x will also be discussed.