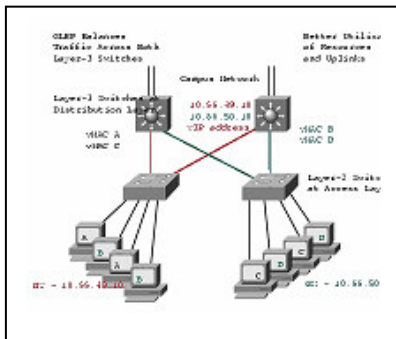




500 EIGHTH Ave, Suite 1203, New York, NY. 10018



Integrating Cisco Voice Gateways & Gatekeepers



Course Length: 3 weeks (24 hours), Instructor-led
Skill Development: implementing Cisco voice Gateways and Gatekeepers
Prerequisites: CCVP or Cisco IP Telephony training or six months of Cisco IPT experience
Target Audience: Engineers engaged in voip projects and/or pursuing CCVP certification
Course Objective: Provide students with the knowledge and skills to master Cisco voice gateways and gatekeepers
Lab: One-year onsite and remote access (via web)

Topics to be covered:

Functions of gateway and gatekeepers

- Overview
- Gateways and their types
- Gatekeepers
- Gatekeeper deployment models
- IP to IP Gateways

Configuring H323 and MGCP Gateways

- Selecting a gateway protocol
- Comparing H323 gateway and MGCP gateway
- Configuration of H323 and MGCP gateways
- Configuring Fax and Modem support
- Lab

Integrating a VoIP network to the PSTN and PBXs

- Overview of PSTN and PBX circuit options
- PSTN and PBX integration overview
- PBX integration requirement and consideration

Configuring PSTN Connections

- Analog vs Digital
- T1 CAS and PRI connections
- Lab

Implementing Advanced Gateway Features

- Network side and user side
- IE implementation
- QSIC

Configuring Survivable Remote Site Telephony

- Cisco CallManager deployment models
- Centralized Call Processing with SRST branches
- Considerations of gateway selections, H323 vs. MGCP
- Lab

Configuring DSP Farms

- IOS Conference Bridge and Transcoder
- Configuration and resource sharing
- Lab

Configuring TCL Scripts

- Configuring TCL Auto Attendant Scripts
- Lab

Deploying Gatekeepers

- Gatekeeper redundancy consideration
- Gatekeeper functions

Configuring Directory Gatekeepers

- Gatekeeper hierarchy
- Lab

Introducing Service Provider Offerings

- IP to IP gateway
- Service provider offering for VoIP connectivity

Course Assessment

Phone: 212-695-4810

[HTTP://www.TCYTech.com](http://www.TCYTech.com)

Fax: 212-695-5359