

[Installing and Configuring Cisco Cube/Gateways v3](#)

Module 1: Introduction

- Lesson 1: Gateways
- Lesson 2: Gateway Call Routing Components
- Lesson 3: Dial Peer Matching
- Lesson 4: Introduction to Voice Gateways
- Lesson 5: Digital Signal Processors
- Lesson 6: Codec Complexity
- Lesson 7: Configuring DSPs

Module 2: Gateway Dialplans

- Lesson 1: VoIP Overview
- Lesson 2: SIP Signaling Protocol
- Lesson 3: SIP Addressing
- Lesson 4: Codecs in SIP
- Lesson 5: Configuring Basic SIP
- Lesson 6: Configuring SIP ISDN Support
- Lesson 7: Customizing SIP Gateways
- Lesson 8: Verifying SIP Gateways
- Lesson 9: Audio Clarity Requirements

Module 3: Cisco Unified Communication Manager (CUCM)

- Lesson 1: Configuring CUCM for Gateways and Trunks
- Lesson 2: SIP Trunk Configuration

Module 4: Configuring Cisco Unified Border Element (CUBE)

- Lesson 1: What Does a Session Border Controller (SBC) Do?
- Lesson 2: CUBE Call Flow
- Lesson 3: CUBE Dial-Peers Call Routing
- Lesson 4: CUBE Advanced Call Routing
- Lesson 5: Media Manipulation
- Lesson 6: External/PSTN Call Recording
- Lesson 7: Call Admission Control
- Lesson 8: Multiple Non-Authenticated SIP Trunks on a CUBE
- Lesson 9: Multiple Authenticated/Registered SIP Trunks on a CUBE

Module 5: Configuring High Availability

- Lesson 1: High Availability
- Lesson 2: MMoH

Module 6: Security

- Lesson 1: CUBE Security
- Lesson 2: SIP TLS Support with SRTP

Module 7: Monitoring and Troubleshooting

- Lesson 1: Monitoring and Troubleshooting Cisco Cube
- Lesson 2: SIP Profile Test Tool
- Lesson 3: Troubleshooting
- Lesson 4: Serviceability