

## WEBEX Calling Premise-Based PSTN, Configuration and Troubleshooting for Government v1.0 (WEBEX-CALL-PSTN-GOV)

### WEBEX Calling Premise-Based PSTN, Configuration and Troubleshooting for Government v1.0 (WEBEX-CALL-PSTN-GOV)

This comprehensive three-day, instructor-led, hands-on course focuses on deploying Premise-Based PSTN Gateways for Webex Calling in government contexts. Participants will explore network requirements, protocols, and ports needed for integrating Webex Calling Gov Cloud with Premise-Based PSTN Gateways. Using the Control Hub, attendees will configure Webex Calling Locations, Trunks, Route Groups, Dial Plans, and PSTN Gateways, with a focus on practical, hands-on learning. The course also covers Command Line Interface (CLI) configuration, registration-based vs. certificate-based PSTN configurations, and advanced troubleshooting using tools like Wireshark.

#### How you'll benefit

This class will help you:

- Understand essential infrastructure and protocols for Webex Calling Gateway deployment, with hands-on CLI configuration and integration with Webex Calling Gov Cloud.
- Learn high availability features of Cisco Unified Border Element (CUBE) for maintaining continuous communication services in government settings.
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#### Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

#### Who Should Attend

The primary audience for this course is as follows:

- Network Engineers
- System Administrators
- Telecommunications Specialists
- IT Professionals in Government Agencies
- Technical Support Staff
- Cisco Certified Professionals

#### Course Duration

3 Days

#### Course Price

\$3,195.00 or 30 CLCs

#### Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

## **Module 0: Course Introductions**

### **Module 1: Webex for Government Overview**

- Module Topics
- Lesson 1: Webex Product Overview for Government Deployment
- Lesson 2: Webex Calling for Government Overview
- Lesson 3: Webex Hybrid Services and Integrations for Government
- Lesson 4: Webex Control Hub Monitoring for Government Overview
- Module Summary

### **Module 2: Webex Calling for Government Overview**

- Module Topics
- Lesson 1: Webex Calling for Government Overview
- Lesson 2: Webex Calling Differentiators for Government Deployment
- Lesson 3: Hybrid Webex Calling Use Cases for Government
- Module Summary

### **Module 3: Network Planning, Network Assessment, and Security**

- Module Topics
- Lesson 1: Webex Administration Client Requirements
- Lesson 2: Network Requirements
- Lesson 3: Network Assessment for Webex
- Lesson 4: Webex Calling Ports and Protocols
- Lesson 5: Security Beyond FedRAMP Requirements
- Module Summary

### **Module 4: Webex Control Hub Administration**

- Module Topics
- Lesson 1: Control Hub Overview
- Lesson 2: Organization Settings and Templates for Webex
- Lesson 3: Webex Groups
- Lesson 4: Webex Locations
- Lesson 5: Webex Templates
- Lesson 6: Configuring Users for Calling
- Lesson 7: Troubleshooting Users
- Lesson 8: Administration Panels
- Module Summary

### **Module 5: Webex Calling PSTN Options for Government**

- Module Topics
- Lesson 1: PSTN Gateway Options and Overview
- Lesson 2: Premises - Based PSTN - Architecture
- Lesson 3: CUBE Premises - Based Architecture
- Lesson 4: Certificate - Based Premises - Based PSTN
- Lesson 5: Configuring a Certificate - Based PSTN
- Lesson 6: CUBE Configuration Platform Configuration and Certificates
- Lesson 7: CUBE Certificates Configuration
- Lesson 8: CUBE Trunk Enablement Configuration
- Lesson 9: CUBE Call Routing Configuration
- Lesson 10: CUBE High Availability
- Module Summary

## **Module 6: Implementing Trunks, Route Group Dial Plans in Webex for Government**

- Module Topics
- Lesson 1: Webex Calling for Government Routing Overview
- Lesson 2: Webex Calling Locations
- Lesson 3: Dial Plans
- Lesson 4: Route Groups, Trunks, and Dial Plans
- Lesson 5: Webex Calling Caller Identity
- Lesson 6: Interworking Webex Calling and Unified CM On-Premise
- Lesson 7: Call Routing with Premises-Based PSTN
- Lesson 8: Dial Plan
- Lesson 9: PSTN Migration for Government
- Lesson 10: ICE: Media Path Optimization
- Lesson 11: PSTN for Room Video Systems
- Module Summary

## **Module 7: Webex Calling PSTN / Gateway Troubleshooting in Government Deployments**

- Module Topics
- Lesson 1: PSTN / Gateway Troubleshooting Overview
- Lesson 2: Troubleshooting Government Call Routing
- Lesson 3: Troubleshooting PSTN Calling
- Lesson 4: Troubleshooting Case Study
- Module Summary