

CI – IUWVN

Implementing Cisco Unified Wireless Voice Networks



Summary

Duration

5 Days

Vendor

Cisco

Category

Wireless / CCNPW

Introduction

The goal of this 5 day course is to provide students with information and practice activities to prepare them to integrate VoWLAN services into the wireless network, implement QoS, as well as support multicast, video and high bandwidth applications into the wireless network.

Prerequisites

CCNA Wireless (ICND1, ICND2 & IUWNE)

Course Objectives

After completing this course the student should be able to:

- Describe the overall architecture that makes up a VoWLAN
- Configure infrastructure devices to implement a voice over wireless LAN
- Implement QoS in a Cisco Unified Wireless Network
- Implement multicast in a Cisco Unified Wireless Network
- Describe how to prepare the wireless network for video and high-bandwidth applications

Course Outline

Voice over Wireless Architecture

- Describing Traditional Voice Architecture
- Describing Voice as it Applies to the Wireless Network
- Designing Wireless for Voice
- Identifying and Describing other Design Considerations
- Verifying Voice Readiness

Implement VoWLAN

- Configuring Wireless Client Devices
- Configuring a WLAN for Voice
- Describing Hardware and Software Requirements
- Configuring Infrastructure Devices for End-to-End Voice over Wireless
- Troubleshooting VoWLAN

Implement QoS for Wireless Applications

- Identifying General Considerations for Wired QoS
- Describing Wireless QoS Deployment Schemes
- Configuring the Controller and Cisco WCS for QoS
- Understanding Current Best Practice Guidelines

Implement Multicast over Wireless

- Understanding General Multicast Concepts
- Describing Implications for Multicast in 802.11
- Configuring Multicast in a Wireless Network
- Troubleshooting Multicast in a Wireless Network

Prepare the Wireless Network for Video and High-Bandwidth Applications

- Implementing QoS for Latency-Sensitive Applications
- Describing Benefits of 802.11n for Video
- Determining Bandwidth Requirements
- Understanding Interconnectivity for Devices on the Wired Side (QoS)

Associated Certifications & Exams

The 642-741 Implementing Cisco Unified Wireless Voice Networks (IUWVN) is the exam associated with the Cisco Certified Network Professional (CCNP) Wireless certification.

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