



To register for this course, go to www.giga-wave.com, or call 210-375-0085

Implementing Cisco Unified Wireless Mobility Services v1.0

Keyword: IUWMS

Classroom ILT - 5 Days – List Price \$3,295

Course Description

The Implementing Cisco Unified Wireless Mobility Services training class is designed to help you prepare for the CCNP-Wireless certification, a professional level certification specializing in the wireless field. This course is instructor-led training and includes instructor assisted, remote access labs using real Cisco gear. The goal of the IUWMS is to provide network professional with a firm understanding of how to integrate mobility services into the network; tune and troubleshoot the WLAN and implement indoor enterprise mesh networks. The IUWMS training reinforces the instruction by providing you with hand-on labs to ensure that you thoroughly understand how to implement mobility services in the wireless network. **GigaWave's version of this class provides labs which cover controller firmware release 5.2 as well as Cisco Wireless Control System (WCS) software release 6.0. All labs are real Cisco equipment labs utilizing remote lab equipment.**

Laptops are provided to participate in the labs. If you desire to use your own laptop, please bring a laptop computer with an available 32-bit CardBus slot and an Ethernet port as well as an internal wireless NIC, 802.11a/b/g. The laptop's operating systems must be either MS Windows 2000 (SP4) or XP. The laptop should also have a 9-pin serial port or USB to serial adapter. IN ADDITION, you will need administrator rights to the laptop to install drivers for the wireless client used in class.

You Learn...

After completing this course, the student should be able to:

- Design a WLAN infrastructure for mobility
- Implement advanced services and manage with the WCS and WCS Navigator
- Implement Cisco's Location-based Services
- Implement the Mobility Services Engine into the wireless network
- Describe the outdoor wireless networks and products
- Implement and manage an indoor enterprise mesh
- Optimize and troubleshoot the WLAN

Who Would Benefit

The Implementing Cisco Unified Wireless Mobility Services course is targeted to system engineers, network engineers, network administrators, network managers, network designers, and project managers who will be required to implement mobility services in the wireless network, and any individual wishing to attain the CCNP-Wireless certification.

Prerequisites

- Interconnecting Cisco Networking Devices Part 1 (ICND1)
- Interconnecting Cisco Networking Devices Part 2 (ICND2)
- Implementing Cisco Unified Wireless Networking Essentials (IUWNE) v1.0

Follow-On Courses

- Conducting Cisco Unified Wireless Site Survey (CUWSS)
- Implementing Advanced Cisco Unified Wireless Security (IAUWS)
- Implementing Cisco Unified Wireless Voice Networks (IUWVN)

Implementing Cisco Unified Wireless Mobility Services v1.0 – (Cont.) p.2

Course Content

Module 0 -- Course Introduction

Module 1 – Design WLAN Infrastructure for Mobility

- Understanding and Utilizing Design Recommended Practices
- Understanding Implications of Layer 2 and Layer 3 Roaming
- Designing for High Availability
- Understanding Single SSID Designs with Mobility

Module 2 – Implement and Manage Advanced Services with WCS and WCS Navigator

- Configuring WCS Controller and Access Point Templates
- Configuring WCS for WLC Auto-Provisioning
- Implementing WCS Partitioning
- Scheduling Wireless Access Using WCS
- Configuring Reports
- Configuring Administrative Tasks
- Connecting and Troubleshooting Clients
- Monitoring and Converting Autonomous Access Points Using WCS
- Understanding the Roles, Features and Functions of WCS Navigator

Module 3 – Design the Wireless Network for Location

- Understanding Location Techniques
- Understanding Deployment Requirements
- Introducing Wireless networks and topologies

Module 4 – Cisco Location Based Services Implementation

- Describing Mobility Services Architecture and Appliances
- Configuring the Cisco 2700 Series Wireless Location Appliance and the Cisco 3300 Series Mobility Service Engine
- Integrating and Managing the MSE and the Location Appliance with WCS
- Configuring and Tuning Location with WCS and MSE / Location Appliance
- Introducing Wireless networks and topologies
- Configuring, Generating, Interpreting Location and Event Notifications
- Integrating Third Party Applications
- Describing Location Appliance and MSE Maintenance
- Troubleshooting Location

Module 5 – Implement and Manage an Enterprise Mesh Network

- Describing Indoor Enterprise Mesh
- Describing Mesh Formation
- Implementing an Enterprise Mesh
- Configuring Enterprise Mesh Advanced features
- Configuring WCS for an Indoor Mesh
- Troubleshooting Indoor Mesh

Module 6 – Describe Outdoor Wireless

- Describing Mobile Routing
- Describing Wireless Bridging
- Describing Outdoor Mesh