



WDAWL: Deploying Advanced Cisco Wireless LANs v1.0

Course ID#: 1575-973-ZZ-W

Hours: 14

Course Content

Course Description:

This course builds upon the basic deployments course by presenting you with more challenging real-world deployments such as client mobility between subnets, high-client density deployments, and mesh-network deployments. This course allows the instructor and students to share experiences, pitfalls, and best practices around challenging deployment scenarios. The course is written at software code level 7.5. Please be advised that this course does not go into the Cisco Prime Infrastructure (PI). The PI is covered completely in the follow up course, WMNGI - Managing Cisco Wireless LANs v1.2.

Upon completing this course, you will be able to meet these objectives:

- Make network-design decisions
- Configure and troubleshoot WLANs for complex wireless LAN installations
- Mobility between subnets
- High-client density deployments
- Mesh-network deployments

Target Student:

- Channel Field Engineers
- Cisco Network Consulting Engineers
- New Unified Commutations Partners
- Customer Network Engineers Anyone interested in the Cisco Unified Wireless Network solution that have a strong data-networking background who will be responsible for the planning, deploying and managing advanced functions of an enterprise WLAN using lightweight access points with controllers

Prerequisites:

WDBWL - Deploying Cisco Basic Wireless LANs v1.0



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Topics:

Module 1: Client Mobility

- Same subnet roaming
- Inter-subnet mobility
- Effects of client density on a wireless network
- Planning for areas of high-client density
- Describe wireless mesh networks
- Mesh network-formation process
- Implementing a mesh network for the enterprise
- Configuring advanced-mesh features
- Troubleshooting a mesh network

Module 2: High Density Deployment Challenges

- Effects of client density on a wireless network
- Planning for areas of high-client density

Module 3: Implementing Mesh Network

- Describe wireless mesh networks
- Mesh network-formation process
- Implementing a mesh network for the enterprise
- Configuring advanced-mesh features
- Troubleshooting a mesh network

Hands On Labs

- Lab 1: Examine the Relationship between Duty Cycle, Data Rates, and Channel Utilization
- Lab 2: Implementing and Indoor Wireless Mesh Network