

# Deploying Advanced Cisco Wireless LANs (WDAWL)

## Course Overview

In this course, you will be presented with more challenging real-world deployments such as client mobility between subnets, high client density deployments, and mesh network deployments. You will be able to make network design decisions about, configure, and troubleshoot WLANs that encounter these challenges. The course is updated through Wireless LAN Controller and AP code release 8.1, which includes new in-demand features such as 802.11ac design awareness, iBeaconing, Apple 802.11v integration, AVC enhancements, FlexConnect enhancements, ease-of-use enhancements, as well as many more customer requested enhancements.

## What You'll Learn

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

**Duration: 2 days**

## Outline

### 1. Client Mobility Between Subnets

- **Same Subnet Roaming**
- **Inter-subnet Mobility**
- **Advanced Mobility Issues**

### 2. Network Efficiency

- **Configuring Quality of Service**
- **Implementing Video Over Wi-Fi**
- **Implementing VideoStream and FlexConnect**

- Integrating the WLC With MS Lync SDN (**Only theory**)

### 3. High Density Deployment Challenges

- Effects of Client Density on a Wireless Network
- Planning for Areas of High Client Density

### 4. Introduction to Mesh Network

- Overview of Wireless Mesh Networks
- Overview of Implementing Wireless Mesh Networks

### 5. Advanced Guests Networks

- Providing Advanced Guest Access
- Implementing Local Policies and Client Profiling
- Implementing CMX Visitor Connect

### 6. High Availability

- Wireless High Availability

### 7. Implementing IPv6 Support

- Configuring Clients for IPv6
- Configuring the Infrastructure for IPv6