
Deploying Advanced Cisco Wireless LANs

Duration: 2 Days **Course Code: WDAWL**

Overview:

This 2-day instructor-led, hands-on course builds upon the basic deployments course by presenting students with more challenging real-world deployments such as client mobility between subnets, high client density deployments, and mesh network deployments. Understanding the challenges you may encounter when configuring and troubleshooting a WLAN will help you make the right network design decisions. The format of the course allows you and the instructor to explore realistic use cases and best practices around more challenging deployment scenarios. The course is written at software code level 7.5.

Target Audience:

This course is designed for: Engineers responsible for the planning, deployment and management of the advanced functions of an enterprise WLAN using lightweight access points with controllers.

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
 - Describe the steps involved in client mobility at layer 2 and the differences involved in client mobility at layer 3.
 - Discuss the challenges faced in providing a quality user experience in a high density wireless network deployment scenario.
 - Differentiate the operational characteristics of, and implement, a wireless MESH architecture.
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Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Viewed - **WLE** - Defining Cisco Wireless LAN Essentials available from CLN or Global Knowledge
 - Attended **WDBWL** Deploying Basic Cisco Wireless LANs
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Follow-on-Courses:

The following courses are recommended for further study.

- **WICXS** - Implementing Cisco Converged Access Solutions - Available as ELT from CLN or Global Knowledge
 - **WMNGI** - Managing Cisco Wireless LANs
 - **IUWVN** - Implementing Unified Wireless Voice Networks
 - **CUWSS** - Conducting Cisco Unified Wireless Site Surveys
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Content:

Client Mobility

- Same Subnet Roaming
- Inter-subnet Mobility

High Density Deployment Challenges

- Effects of Client Density on a Wireless Network
- Lab - Examine the Relationship between Duty Cycle, Data Rates and Channel Utilization
- Planning for Areas of High Client Density

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
- Lab - Implementing and Indoor Wireless Mesh Network

Further Information:

For More information, or to book your course, please call us on +254 713 027 191

training@clclearningafrica.com

www.clclearningafrica.com

Computer Learning Centre 2nd Floor Museum Hill Centre, Muthithi Road, Westlands, Nairobi, Kenya