Cisco Unified Wireless Networking Boot Camp

Description

Cisco Unified Wireless Networking Bootcamp (CUWNBC) combines WDBWL (Deploying Basic Cisco Wireless LANs) and WDAWL (Deploying Advanced Cisco Wireless LANs) into a cohesive five day instructor-led course. CUWNBC presents students with challenging real-world deployments such as client mobility between subnets, high client density deployments, and mesh network deployments. Students will be trained on how to make network design decisions about, configure, and troubleshoot WLANs with these challenges. The format of the course allows students 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. WDBWL (Deploying Basic Cisco Wireless LANs) is the first 3 days of training and WDAWL (Deploying Advanced Cisco Wireless LANs) is the last two days of class.

Upon successful completion of this course, students should be able to:

- Successfully plan, install, configure, troubleshoot, monitor and maintain basic Cisco Wireless LAN solutions in a customer enterprise environment
- Configure autonomous, unified, and FlexConnect architectures
- Configure all base feature sets, including wireless security
- Administer the WLAN network
- Maintain and troubleshoot basic wireless networks
- 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

Outline

WDBWL: Deploying Basic Cisco Wireless LANs

Module 1 - Cisco Wireless LAN Essentials Refresher

Lesson 1: High level review of prerequisite course - Defining Cisco Wireless LAN Essentials
Module 2 - Pre-Deployment Planning

Lesson 1: Successful Wireless Deployments and Pre-deployment Planning
Lesson 2: Cisco WLAN Professional Services
Lesson 3: Spectrum Expert
Lesson 4: PI Planning tools

Module 3 - Autonomous Deployments

Lesson 1: Easy Setup GUI Interface
Lesson 2: Basic Setup via CLI
Lesson 3: Access Point Modes
Lesson 4: Bridge Modes
Lesson 5: Non-Client serving Modes

Module 4 - Unified Deployments

Lesson 1: Initial controller Setup, and configure basic settings
Lesson 2: Modes of operation available for a unified access point
Lesson 3: Mechanisms by which an AP associates to a WLC
Lesson 4: User Interfaces to the System
Lesson 5: Radio Resource Management and CleanAir
Lesson 6: Administering WLANs and AP Groups
Lesson 7: Configuring Quality of Service
Lesson 8: IPv6 Support
Lesson 9: Identify and Configure the Wireless LAN
Lesson 10: Security Parameters
Lesson 11: General Administration
Lesson 12: Guest Access

Module 5 - FlexConnect Deployments

Lesson 1: Benefits and Limitations of FlexConnect Architecture
Lesson 2: Operational Differences between
Lesson 3: FlexConnect and Unified Architectures

Module 6 - Wireless LAN Maintenance and Troubleshooting

Lesson 1: Routine Maintenance

Lesson 2: Policy Configuration and Management

Lesson 3: Gathering Data

Lesson 4: Troubleshooting in a Cisco Unified Wireless Network

WDAWL: Deploying Advanced Cisco Wireless LANs

Module 1 - Client Mobility

Lesson 1: Same Subnet Roaming

Lesson 2: Inter-subnet Mobility

Module 2 - High Density Deployment Challenges

Lesson 1: Effects of Client Density on a Wireless Network

Lesson 2: Planning for Areas of High Client Density

Module 3 - Implementing Mesh Network

Lesson 1: Describe Wireless Mesh Networks

Lesson 2: Mesh Network Formation Process

Lesson 3: Implementing a Mesh Network for the Enterprise

Lesson 4: Configuring Advanced Mesh Features

Lesson 5: Troubleshooting a Mesh Network

LAB OUTLINE:

Lab 2-1: Examine the Relationship between Duty Cycle, Data Rates and Channel Utilization

Lab 3-1: Implementing and Indoor Wireless Mesh Network

PreRequisites

Prior to taking this course, it is recommended that students have the following knowledge and skills:
- Prior completion of Defining Cisco Wireless LAN Essentials course or equivalent work experience (recommended)
- Basic networking skills
- RF/Wireless field experience (helpful)

**Audience**

This course is intended for IT engineers or administrators who need to know the fundamentals about planning, installing, configuring, troubleshooting, and maintaining a basic Cisco Wireless LAN infrastructure. This includes installers, SEs, Field Engineers, technical support professionals, network managers, security team members, and administrators.

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**Starting From**

$3235.50

$3595.00 List Price

5 Days Course

**Class Dates**

Dec 02, 2019

Early Bird Saving

Good To Go

$3235.50

Remote Live

⚠️ This class runs from 10:00 AM to 08:00 PM EDT