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

Cisco Wireless LAN Advanced Topics v1.0

Keyword: CWLAT
4 Days – List Price $2,695

Course Description

This 4-day technical training for designing, managing, and troubleshooting enterprise wireless networks using the Cisco Unified Wireless Network. This course includes instructor-led training and in-depth instructor assisted, hands-on labs. It covers deployments based on lightweight access points, controllers and the advanced feature set as well as autonomous access points and the core feature set.

To participate in the hands-on labs, please bring a laptop computer with an available 32-bit CardBus slot and an Ethernet port. 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:

- Describe detailed technical features, functions and benefits of the WLAN product offerings available from Cisco
- Install advanced feature set hardware so that it functions optimally
- Install and manage the CiscoWorks WLSE and infrastructure devices so that it functions optimally
- Install and administer WCS WLAN management
- Troubleshoot and maintain a wireless network
- Administer security so that the network is safe from attack

Who Would Benefit

The Cisco Wireless LAN Advanced Topics course is targeted to system engineers, field engineers, technical engineers, network integrators and technical sales personnel, who need to know how to sell, design, install, integrate, and support wireless networks or tasked with performing or overseeing site surveys for wireless LAN solution implementations.

Prerequisite

- Cisco Wireless LAN Fundamentals (CWLF)

Follow-On Courses

- Cisco Aironet WLAN Security (CWLS)
- Cisco Wireless Mesh Networking (CWMN)
- Cisco Advanced Wireless Bridging LAB (CAWBL)
- Cisco Voice over Wireless LAN (VoWLAN)

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Course Content

Module 0 -- Course Introduction

Module 1 -- Cisco Unified Wireless Network Concepts

- Describing Cisco Aironet Autonomous Access Points
- Describing the Cisco Unified Wireless Network
- Describing the Cisco Unified Wireless Network

Module 2 – Implementing the WLAN with Cisco WCS

- Installing the WLAN Controller
- Installing the Cisco Wireless Control System
- Cisco Wireless LAN Controller System Setup (Lab 2-1)
- Client Configuration (Lab 2-2)
- Configure the Controller via the Cisco WCS (Lab 2-3)
- Manage the WLAN from the Cisco WCS (Lab 2-4)

Module 3 – The Cisco Core Feature Set

- Introducing the Cisco WLAN Core Feature Set based on Autonomous Access Points
- Implementing Radio Management for Cisco Autonomous Access Points
- Verify the Switch Configuration (Lab 3-1)
- Configure the AAA Server (Lab 3-2)
- Configure a Factory Default CiscoWorks WLSE (Lab 3-3)
- Configure CiscoWorks WLSE Device Credentials (Lab 3-4)
- Create a Startup Configuration for "Out-of-Box" APs (Lab 3-5)
- Configure Auto-Managed Templates (Lab 3-6)
- Install Access Points (Lab 3-7)

Module 4 – WLAN Management

- Managing the WLAN from the WLAN Controller
- Managing the Cisco Unified Wireless Network using Cisco WCS
- Managing the Cisco WLAN Controller
- Describing CiscoWorks WLSE Management with Autonomous Access Points
- Use Cisco WCS Reports (Lab 4-1)
- Create and Apply a Security Policy (Lab 4-2)
- View and Clear Faults on the CiscoWorks WLSE (Lab 4-3)
- View Current Reports and Current Group Reports on the CiscoWorks WLSE (Lab 4-4)

Module 5 – Wireless Network Troubleshooting

- Troubleshooting the Cisco Advanced Feature Set Wireless Network
- Troubleshooting the CiscoWorks Wireless LAN Solution Engine

Module 6 – Cisco WLAN Security

- Describing WLAN Security Standards
- Describing WLAN Security Threats and Mitigations
- Describing WLAN Authentication and Encryption
- Securing the WLAN
- Use Cisco WCS to Monitor Security (Lab 6-1)
- Use Cisco WCS to Mitigate Rogues (Lab 6-2)
- "Harden" the Autonomous Access Point (Lab 6-3)
- Cisco WDS and Rogue Access Point Detection using CiscoWorks WLSE (Lab 6-4)