

## Introduction

This in-depth course offers everything you need to know to implement a Cisco Wireless Local Area Network, or WLAN. IEEE 802.11-based products offered by Cisco Systems have quickly become one of the foundational technologies in the Wi-Fi market. This course offers:

- ◆ Complete coverage of Cisco's Aironet 3X0 series access points and bridges, Aironet wireless NICs, and Aironet Antenna Server
- ◆ Step-by-step installation and configuration instructions of Cisco Aironet 340 and 350 access points
- ◆ Complete Cisco security primer, including MAC filtering, WEP, DoS attacks, and more.

The following outline details the *Deploying Cisco WLANs* course:

### Introduction to Wireless Local Area Networks (WLANs)

- ◆ Review of Networking Basics
- ◆ WLANs and the OSI Layered Model
- ◆ Review of TCP/IP Basics
- ◆ Understanding RF Fundamentals
- ◆ Communicating using WLAN Technologies
- ◆ Implementing a WLAN Architecture
- ◆ Wireless Networking Standards

### Cisco Wireless LAN Product Family

- ◆ Overview of Cisco Wireless Systems
- ◆ Cisco Aironet Series
- ◆ Cisco Aironet NICs
- ◆ Cisco Aironet Antennas

### Wireless LAN Design

- ◆ Wireless Planning Considerations
- ◆ Wireless Design Considerations
- ◆ Wireless Site Surveys
- ◆ WLAN Design Examples

### Installation and Configuration of Cisco WLAN Access Points

- ◆ Installation of Cisco 340/350 Access Points
- ◆ Initial Configuration of Cisco 340/350 Access Points
- ◆ Web-Based Configuration of Cisco 340/350 Access Points

### Installation of Cisco Aironet Bridges

- ◆ Installation of Cisco Aironet Bridge Unit
- ◆ Initial Configuration of Cisco Aironet Bridge Unit
- ◆ Configuring Cisco Aironet Bridges
- ◆ Event Logging and Statistics
- ◆ Cisco Aironet Bridge Troubleshooting

### Installation and Configuration of Cisco NICs

- ◆ Cisco Aironet Client Adapter Types
- ◆ Cisco Aironet Client Utility (ACU)
- ◆ Cisco Aironet Client Installation and Configuration
- ◆ Client Adapter Auto Installer
- ◆ Client Adapter Diagnostics

### Cisco Wireless Security

- ◆ Understanding Security Fundamentals
- ◆ MAC Filtering
- ◆ Implementing WEP
- ◆ Common Risks and Threats
- ◆ Sniffing, Intercepting, and Eavesdropping
- ◆ Spoofing and Unauthorized Access
- ◆ Network Hijacking and Modification
- ◆ Denial of Service and Flooding Attacks

### Cisco Aironet Accessories

- ◆ Antenna Accessories
- ◆ Bridge and Access Point Accessories
- ◆ Cabling, Connectors, and Bulkhead Extenders
- ◆ Radio Country Options



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