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## Managing your WLAN with the Cisco Wireless LAN Solution Engine

Keyword: WLSE

2 Days – List Price \$1,595

### Course Description

This course is instructor-led training and includes instructor assisted, hands-on labs. The curriculum is designed to give students a firm understanding of the Cisco Wireless LAN Solutions Engine (WLSE) and its role in an advanced wireless LAN network. Hands-on labs provide attendees with experience of installing, configuring, managing, maintaining and troubleshooting the Cisco WLSE.

To participate in the hands-on labs, please bring a laptop computer with an available 32-bit Card-Bus slot. Laptop should have MS Windows 2000 or XP OS loaded. Laptop should also have an Ethernet port and a 9-pin serial port or USB to serial adapter. IN ADDITION, you will need administrator rights to the laptop to install the drivers for the wireless card.

### You Learn...

After completing this course, the student should be able to perform:

- Setup and Initial Configuration of the WLSE
- Setup and Configuring Devices to work with the WLSE
- Device Discovery, Inventory Polling and Grouping
- Wireless Device Configuration Management
- Firmware Management
- Access Point Configuration and Configuration Archival
- Setup and Monitor Fault and Security Policies
- Generation of Fault Reports
- Generation of Management Reporting
- Setup and Manage User Policies
- Setup and Run Radio Management Features
- Troubleshooting Functions via WLSE Troubleshooting Tools

### Who Would Benefit

The Managing your WLAN with the Cisco Wireless LAN Solution Engine course is targeted to technical engineers, network integrators and technical sales personnel, who need to know how to sell, design, install and support the Cisco WLSE in an advanced wireless network.

### Prerequisite

- Cisco Aironet Wireless LAN Fundamentals & Site Survey (AWFSS)

### Follow-On Courses

- Cisco Aironet WLAN Security (CWLS)
- Aironet Wireless LAN Advanced Topics (AWLAT)

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### Course Content

#### Module 1 -- Introduction

#### Module 2 - Network Device Setup

- Configuring the WLSE's Network Information
- Switch and Router Setup
- AAA Server Setup

#### LAB 1 - Initial Setup and Configure Devices

- Verify the Switch Configuration
- Configure the AAA Server

#### Module 3 – Appliance Setup and Initial Configuration

- Connecting to the device
- Login with setup
- Enter Setup prompts
- Enter SSL certification configuration information
- Verify configuration
- Add Device Credentials

#### LAB 2 - Appliance Initial Configuration

- Configure a Factory Default WLSE
- Configure WLSE Device Credentials

#### Module 4 - Configuring WLSE for AP out of box deployment

- Startup configuration
- Auto-manage configuration
- Configure DHCP Options

#### LAB 3 –Implementing templates & Firmware

- Create a Startup Configuration for “out-of-box” APs

#### Module 5 - Wireless Device Configuration and Firmware Management

- Configuration Templates
- Configuration Jobs
- Firmware Upgrades

#### LAB 4 - Implementing Templates and Firmware

- Create a startup configuration for “out-of-box” access points
- Manage Firmware
- Install Access Points

#### Module 6 - Radio Management Setup and Site Survey

- Local manager
- Assisted site-survey
- Auto re-site-survey

#### LAB 5 - Using Location Manager

- Verify the Java Version
- Create a Location and Import a Floor Plan
- Add Access Points to a Floor Plan in Location Manager and Configure Antenna Setup
- Run Assisted Site Survey Wizard
- Configure Auto Re-Site Survey

#### Module 7 - Fault and Security Policy Monitoring

- Displaying Fault Information
- Managing Fault Settings
- Setting Policies and Thresholds
- Configure Fault Policy Profiles
- Fault View and Notifications

#### LAB 6 - Security Policy and Fault Monitoring

- Create and Apply a Security Policy
- View and Clear Faults

#### Module 8 - Radio Management Tools

- Self Healing
- Rogue AP
- Ad-Hoc Network Detection
- Interference Detection

#### LAB 7 - Using Advanced Troubleshooting Tools

- Configure and Test WLSE for Self Healing
- Rogue AP Detection and Location
- Detect Ad-Hoc Network

#### Module 9 - Management Reports

- Using the Device Center
- Group Reports
- Client Reports
- Trend Reports
- Export Options

**LAB 8 - Generating Management Reports**

- View Reports in Device Center
- View Current Reports and Current Group Reports
- View Trend Reports
- Export Reports

**Module 10 - User Management and Administration**

- Appliance Management
- System Management
- User Admin Management
- Profile Management
- Link Management

**LAB 9 - Setup User Management and Administration**

- Setup User Management
- Restoration and Backup
- Configure WLSE for Redundancy and Verify

**Module 11 - WLSE Maintenance Troubleshooting (Optional)**

- WLSE Diagnostics
- Retrieve RM Data
- Enable/Retrieve Logs
- Debug