Implementing Cisco Enterprise Wireless Networks (ENWLSI) v1.1

The Implementing Cisco Enterprise Wireless Networks (ENWLSI) v1.1 course gives you the knowledge and skills needed to create a secure wireless network infrastructure and troubleshoot any related issues. You'll learn how to implement and fortify a wireless network infrastructure using Cisco Identity Service Engine (ISE), Cisco Prime Infrastructure (PI), and Cisco Connect Mobile Experience to monitor and troubleshoot network issues.

This course provides hands-on labs to reinforce concepts including deploying Cisco Prime Infrastructure Release 3.5, Cisco Catalyst® 9800 Wireless Controller Release, Cisco IOS XE Gibraltar 16.10, Cisco Digital Network Architecture (Cisco DNA) Center Release 1.2.8, Cisco Connected Mobile Experiences (CMX) Release 10.5, Cisco Mobility Services Engine (MSE) Release 8.0 features, and Cisco ISE Release 2.4.

This course also helps you prepare to take the 300-430 Implementing Cisco Enterprise Wireless Networks (ENWLSI) exam, which is part of the new CCNP® Enterprise certification and the Cisco Certified Specialist – Enterprise Wireless Implementation certification.

How you'll benefit

This course will help you:

- Use Cisco Identity Services Engine, Cisco Prime Infrastructure, and Cisco Connect Mobile Experience to streamline network management, improve operations efficiency, and enhance consistency of network services
- Implement, secure and configure a tailored Cisco wireless network infrastructure
- Earn 40 CE credits toward recertification

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

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Objectives

After taking this course, you should be able to:

- Implement network settings to provide a secure wireless network infrastructure

- Implement a secure wireless client and troubleshoot wireless client connectivity issues

- Implement and troubleshoot QoS in wireless networks

- Implement and troubleshoot advances capabilities in wireless network services

Who Should Attend

The job roles best suited to the material in this course are:

- Wireless Network Engineers
- Sales Engineers
- Network Designers

Prerequisites

Before taking this course, you should have:

- General knowledge of networks and wireless networks
- Routing and switching knowledge

The following Cisco courses can help you gain the knowledge you need to prepare for this course:

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)
- Understanding Cisco Wireless Foundations (WLFNDU)

Course Duration
5 day
Course Price
$4,195.00
Methods of Delivery
• ILT
• V-ILT
Certification Exam
300-430
Cisco CE Credits
40

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Course Outline

Module 1: Securing and Troubleshooting the Wireless Network Infrastructure

Module 2: Implementing and Troubleshooting Secure Client Connectivity

Module 3: Implementing and Troubleshooting QoS in Wireless Networks

Module 4: Implementing and Troubleshooting Advanced Wireless Network Services

LAB OUTLINE

- **Lab Familiarization (Base Learning Lab)**
- **Configure Secure Management Access for WLCs and APs**
- **Add Network Devices and External Resources to Cisco Prime Infrastructure**
- **Customize Cisco Prime Infrastructure for Network Monitoring**
- **Capture a Successful AP Authentication**
- **Implement AAA Services for Central Mode WLANs**
- **Implement AAA Services for FlexConnect Mode WLANs**
- **Configure Guest Services in the Wireless Network**
- **Configure BYOD in the Wireless Network**
- **Capture a Successful Client Authentications**
- **Configure QoS in the Wireless Network for Voice and Video Services**
- **Configure Cisco Application Visibility and Control (AVC) in the Wireless Network**
- **Configure multicast DNS (mDNS) in the Wireless Network**
- **Capture Successful QoS Traffic Marking in the Wireless Network**
- **Configure, Detect, and Locate Services on the Cisco CMX**

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