
Cisco® Implementing Cisco® Enterprise Wireless Networks v1.1 (ENWLSI)

Overview

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.

Prerequisite Comments

Before taking this course, you should have:
General knowledge of networks and wireless networks
Routing and switching knowledge

Target Audience

Network designers
Sales engineers
Wireless network engineers

Course Objectives

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 advanced capabilities in wireless network services

Course Outline

1 - Course Outline

Securing and Troubleshooting the Wireless Network Infrastructure
Implementing and Troubleshooting Secure Client Connectivity
Implementing and Troubleshooting Quality of Service (QoS) in Wireless Networks
Implementing and Troubleshooting Advanced Wireless Network Services

2 - Lab Outline

Lab Familiarization (Base Learning Lab)
Configure Secure Management Access for Cisco Wireless LAN Controllers (WLCs) and Access Points (APs)
Add Network Devices and External Resources to Cisco Prime Infrastructure
Customize Cisco Prime Infrastructure for Network Monitoring
Capture a Successful AP Authentication
Implement Authentication, Authorization, and Accounting (AAA) Services for Central Mode WLANs
Implement AAA Services for FlexConnect Mode Wireless LANs (WLANs)
Configure Guest Services in the Wireless Network
Configure Bring Your Own Device (BYOD) in the Wireless Network
Capture 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

Related Courses, Certifications, Exams

- Cisco® Implementing and Administering Cisco® Solutions v1.0 (CCNA)
 - Cisco® Understanding Cisco® Wireless Foundations v1.0 (WLFNDU)
 - Cisco® Implementing and Operating Cisco® Enterprise Network Core Technologies v1.2 (ENCOR)
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