Implementing Cisco Enterprise Wireless Networks (ENWLSI)

Price: 800

Duration 365 Days

Delivery Methods eLearning

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Overview

The duration of this course is 40 hours, and it is eligible for 40 CE credits towards recertification.

The Implementing Cisco Enterprise Wireless Networks (ENWLSI) training helps you implement network settings to provide a secure wireless network infrastructure and troubleshoot any related issues. This training will prepare you to use Cisco Identity Service Engine (ISE), Cisco Prime Infrastructure (PI), Cisco DNA Center, Cisco Spaces, and Cisco Connected Mobile Experiences (CMX) to monitor and troubleshoot network issues. The associated labs will reinforce concepts including deploying Cisco Catalyst 9800 Wireless Controller Release IOS XE Bengaluru 17.6.3, Cisco Digital Network Architecture (DNA) Center Release 2.3.3, Cisco PI Release 3.5, Cisco Spaces, Cisco CMX Release 10.5, features, and Cisco ISE Release 3.0.

This training prepares you for the 300-430 ENWLSI v1.1 exam. If passed, you earn the Cisco Certified Specialist – Enterprise Wireless Implementation certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Enterprise certification.

How You'll Benefit
This training will help you:

- Gain skills to secure the wireless infrastructure, implement the wireless infrastructure, and use Cisco ISE, Cisco DNA Center, Cisco PI, Cisco Spaces, and Cisco CMX to monitor and troubleshoot network issues

- Get the knowledge for protocols, solutions, and designs to acquire professional-level and expert-level enterprise roles

Who Should Enroll
- Wireless network engineers
- Security network engineers
- Sales engineers
- Wireless network technicians
- Test engineers
- Network designers
- Network administrators
- Network managers
- Mid-level wireless support engineers
- Project managers

Path Objectives

After taking this training, you should be able to:
- Explain how to secure, monitor, troubleshoot, and implement features of the wireless network infrastructure
- Explain device administration
- Describe security best practices and configuration for administrative access to Cisco Wireless LAN Controller (WLC) and TACACS+
- Explain role-based access control and enhanced client information in Cisco ISE and Cisco CMX
- Explain how to configure access points (APs), WLAN, and wireless clients for the 802.1X authentication process
- Describe AP joint issue troubleshooting
- Describe the tools for control and provisioning of wireless access point (CAPWAP) AP discovery and Datagram Transport Layer Security (DTLS)
- Capture a successful AP authentication
- Describe how to monitor and manage the network for, add devices to, monitor radio frequency (RF) interferers of rogue devices and RF on Cisco WLC, Cisco Prime Infrastructure, and Cisco DNA Center
- Describe how to implement, add devices to, and use the reporting functions and network monitoring of Cisco PI and Cisco DNA Center
- Describe how to add APs to maps and monitor wireless clients
- Explain how to troubleshoot AP and WLC issues with Cisco DNA Center Assurance
- Explain enhanced network insights with Cisco AI Network Analytics
- Explain how to implement and configure authentication, authorization, and accounting (AAA)-based wireless security and AAA override on Cisco WLC and Cisco ISE
- Configure, understand, and perform FlexConnect authentication, identity-based networking, split tunneling, and AAA services on Cisco WLC
- Explain how to upgrade FlexConnect APs
- Describe how to configure OfficeExtend
- Explain how to implement central web authentication
- Describe how to configure Cisco WLC and Cisco ISE for centralized web authentication
- Show Cisco WLC configuration for Guest Services

- Explain the basics, onboarding process, and configuration of Bring Your Own Device (BYOD)
- Describe how to monitor and troubleshoot client connectivity on Cisco WLC and authentication issues
- Show how to capture successful client authentication by using Radioactive Trace and Cisco ISE
- Describe the issues that affect client performance
- Explain wireless coverage and capacity, how to enhance client performance

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How do I enroll for this class?

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What is your late policy?

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What happens when I finish my class?

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