

Implementing Cisco Enterprise Wireless Networks (ENWLSI)

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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 Implementing Cisco Wireless Advanced Solutions (300-120 WLSI) v1.2 exam. If passed, you earn the Cisco Certified Specialist - Wireless Advanced Solutions certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Wireless certification. This training also earns you 40 Continuing Education (CE) credits toward recertification.

How you'll benefit

This class 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
- Prepare for the 300-120 WLSI v1.2 exam
- Earn 40 CE credits toward recertification

Why Attend with Current Technologies CLC

- Our Instructors are in 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

Who Should Attend

The primary audience for this course is as follows:

- Wireless Network Engineers
- Security Network Engineers
- Sales Engineers
- Wireless Network Technicians
- Test Engineers
- Network Designers
- Network Administrators
- Network Managers
- Mid-level Wireless Support Engineers

Course Duration

5 days

Course Price

\$4,295.00 or 43 CLCs

Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

- Project Managers

Prerequisites

Before taking this offering, you should have:

- General knowledge of networks
- General knowledge of wireless networks
- General knowledge of monitoring and troubleshooting

OUTLINE

Module 1: Secure the Wireless Network Infrastructure

Module 2: Monitor and Troubleshoot Wireless Network

Module 3: Monitor Wireless Networks with Cisco Prime Infrastructure

Module 4: Monitor Wireless Network with Cisco DNA Center

Module 5: Implementing 802.1X Authentication

Module 6: Configure Cisco FlexConnect

Module 7: Implement Guest Access

Module 8: Monitor and Troubleshoot Client Connectivity

Module 9: Implement QoS in Wireless Network

Module 10: Implement Cisco AVC in Wireless Networks

Module 11: Implement Multicast Services

Module 12: Troubleshoot QoS

Module 13: Deploy Cisco Spaces and Cisco CMX

Module 14: Implement Location Services

Module 15: Monitor Wireless Network with Cisco Spaces and Cisco CMX

LAB OUTLINE

Lab 1: Lab Familiarization (Base Learning Lab)

Lab 2: Configure Secure Management Access for WLCs and APs

Lab 3: Capture a Successful AP Authentication

Lab 4: Network Monitoring with Cisco Prime Infrastructure

Lab 5: Add Network Devices to Cisco DNA Center

Lab 6: Integrate Cisco DNA Center with External Resources

Lab 7: Use Cisco DNA Center for Network Monitoring

Lab 8: Use Cisco DNA Center Reports
Lab 9: Configure Cisco WLC for AAA Services
Lab 10: Configure Cisco ISE for AAA Services
Lab 11: Configure AAA Services for Cisco FlexConnect
Lab 12: Configure Cisco WLC for Guest Services
Lab 13: Configure Cisco ISE for Guest Services
Lab 14: Configure BYOD in the Wireless Network
Lab 15: Capture Successful Client Authentication Using Radioactive Trace
Lab 16: Capture Successful Client Authentication Using Cisco ISE
Lab 17: Configure QoS in the Wireless Network for Voice and Video Services
Lab 18: Configure Cisco AVC in the Wireless Network