IT-ENWLSD - Designing Cisco Enterprise Wireless Networks

Cisco - CCNP Enterprise - Networking

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**Cisco Certified Network Professional Enterprise**

Descrizione del corso

The Designing Cisco Enterprise Wireless Networks (ENWLSD) v1.0 course gives you the knowledge you need to design Cisco® wireless networks. The course covers design specifics from scenario design concepts through the installation phase and into post-deployment validation. This course helps you prepare to take the 300-425 ENWLSD exam, one of the six 'enterprise concentration exams' that you can choose after 350-401 ENCOR exam to achieve the CCNP Enterprise certification. The 300-425 ENWLSD exam will be available on February 24, 2020.

Programma

Describing and Implementing a Structured Wireless Design Methodology

• Importance of Planning Wireless Design with a Structured Methodology
• Cisco Structured Design Model
• Cisco Design Guides and Cisco Validated Designs for Wireless Networks
• Role of the Project Manager When Designing Wireless Networks

Describing and Implementing Industry Protocols and Standards

• Wireless Standards Bodies
• Institute of Electrical and Electronics Engineers (IEEE) 802.11 Standard and Amendments
• Wi-Fi Alliance (WFA) Certifications
• Relevant Internet Engineering Task Force (IETF) Wireless RFCs
• Practice Activity

Describing and Implementing Cisco Enhanced Wireless Features

- Hardware and Software Choices for a Wireless Network Design
- Cisco Infrastructure Settings for Wireless Network Design
- Cisco Enhanced Wireless Features

Examining Cisco Mobility and Roaming

- Mobility and Intercontroller Mobility in a Wireless Network
- Optimize Client Roaming in a Wireless Network
- Cisco Workgroup Bridge (WGB) and WGB Roaming in a Wireless Network

Describing and Implementing the Wireless Design Process

- Overview of Wireless Design Process
- Meet with the Customer to Discuss the Wireless Network Design
- Customer Information Gathering for a Wireless Network Design
- Design the Wireless Network
- Deployment of the Wireless Network
- Validation and Final Adjustments of the Wireless Network
- Wireless Network Design Project Documents and Deliverables

Describing and Implementing Specific Vertical Designs

- Designs for Wireless Applications
- Wireless Network Design Within the Campus
- Extend Wireless Networks to the Branch Sites

Examining Special Considerations in Advanced Wireless Designs

- High-Density Designs in Wireless Networks
- Introducing Location and Cisco Connected Mobile Experiences (CMX) Concepts
- Design for Location
- FastLocate and HyperLocation
- Bridges and Mesh in a Wireless Network Design
- Redundancy and High Availability in a Wireless Network

Describing and Implementing the Site Survey Processes

- Site Survey Types
- Special Arrangements Needed for Site Surveys
- Safety Aspects to be Considered During Site Surveys
- Site Survey Tools in Cisco Prime Infrastructure
- Third-Party Site Survey Software and Hardware Tools

Describing and Implementing Wireless Network Validation Processes

- Post-installation Wireless Network Validation
- Making Post-installation Changes to a Wireless Network

- Wireless Network Handoff to the Customer
- Installation Report

Lab outline

- Use Cisco Prime Infrastructure as a Design Tool
- Create a Predictive Site Survey with Ekahau Pro
- Perform a Live Site Survey Using Access Point on a Stick (APoS)
- Simulate a Post-installation Network Validation Survey