

DEPLOYING CISCO WIRELESS ENTERPRISE NETWORKS V1.0

Temario

This course has been designed to provide network professionals with the knowledge and skills required to successfully deploy wireless networks using Cisco controller and unified switching architecture policies and best practices. Hands-on labs are used to reinforce the concepts and enable the successful implementation and configuration of mobility standards. Concepts taught include deploying Cisco AireOS 8.0, Cisco Prime Infrastructure Release 2.2, and Cisco Mobility Services Engine Release 8.0 features.

Pre-requisitos

Attendees should meet the following prerequisites:

- **ICND1** - CCENT Certification
- **WIFUND** - Implementing Cisco Wireless Network Fundamentals

Objetivos del curso

After attending this course you should be able to:

- Deploy a Wi-Fi infrastructure
- Configure advanced capabilities in data designs
- Configure advanced capabilities in voice and real-time application designs
- Configure advanced capabilities in location designs
- Configure advanced capabilities in outdoor and high-density designs

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Engineers involved in the deployment of Cisco Wireless Networks

Contenido

Deploy a Wi-Fi Infrastructure

- Preparing for the Deployment
- Determining the Type of Wireless Design
- Planning the Base Wi-Fi Network Implementation
- Implementing the Base Wi-Fi Network
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Configure Advanced Capabilities in Data Designs

- Configuring Mobility and Roaming Capabilities
- Configuring High Availability Options
- Configuring FlexConnect Capabilities

Configure Advanced Capabilities in Voice and Real-Time Application Designs

- Configuring QoS and AVC

- Configuring Multicast

Configure Advanced Capabilities in Location Designs

- Configuring Location and Context-Aware Service on Cisco MSE
- Configuring Cisco CMX

Configure Advanced Capabilities in Outdoor and High-Density Designs

- Configuring Outdoor and Mesh Capabilities
- Configuring High-Density Capabilities

Labs

- Challenge Lab 1: Separate Traffic Using VLANs and AP Groups
- Challenge Lab 2: Implement Wireless LAN Controller Failover in Cisco AireOS
- Challenge Lab 3: Perform a Branch Office Deployment with FlexConnect APs
- Challenge Lab 4: Implement New Mobility
- Challenge Lab 5: Configure Converged Access Mobility Parameters
- Challenge Lab 6: Configure a WLAN to Support AVC
- Challenge Lab 7: Configure a WLAN to Support QoS
- Challenge Lab 8: Enable Multicast Tuning (Video Connect)
- Challenge Lab 9: Configure mDNS
- Challenge Lab 10: Configure High-Density Environments
- Challenge Lab 11: Configure Indoor Mesh
- Challenge Lab 12: Configure Workgroup Bridging