

Deploying Cisco Wireless Enterprise Networks - On Demand (WIDEPLOY 1.1)

Modality: On Demand

Duration: 28 Hours

CLC: 8 Units

About the course:

Increase your knowledge of Cisco products and technologies with e-learning given from Cisco and Cisco's approved learning accomplices. The courses of E-learning target a collection of Cisco innovations to set you up for certification exams of Cisco, and to gain product knowledge of Cisco. The e-learning offerings are designed to be engaging and interactive for students who interested in self-study.

Configure progressive aptitudes in high-density and outdoor designs. This course is planned to provide students the understanding to deploy the networks of Cisco wireless. Some Self-paced courses of Cisco give access to hands-on virtual lab practices, providing you the chance to exercise troubleshooting and configuration on Cisco's real platform.

Course Objectives:

- Preparing for the Deployment
- Planning the Base Wi-Fi Network Implementation
- Determining the Type of Wireless Design
- Implementing the Base Wi-Fi Network
- Configuring High Availability Options
- Configuring Mobility and Roaming Capabilities
- Configuring FlexConnect Capabilities
- Configuring QoS and AVC
- Configuring Multicast
- Separate Traffic Using VLANs and AP Groups
- Implement Wireless LAN Controller Failover in Cisco AireOS
- Perform a Branch Office Deployment with FlexConnect APs
- Implement New Mobility
- Configure Converged Access Mobility Parameters
- Configure a WLAN to Support AVC
- Configure a WLAN to Support QoS
- Enable Multicast Tuning (Video Connect)
- Configure MDNS
- Configure High-Density Environments
- Configure Indoor Mesh
- Configure Workgroup Bridging

Audience:

Anyone interested in Cisco Wireless Enterprise Networks

Prerequisites:

No prerequisites for the course of Design for Coders

Course Outline:

Module 1: 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

Module 2: Configure Advanced Capabilities in Data Designs

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

Module 3: Configure Advanced Capabilities in Voice and Real- Time Application Designs

- Configuring QoS and AVC
- Configuring Multicast

Module 4: Configure Advanced Capabilities in Location Designs

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

Module 5: Configure Advanced Capabilities in Outdoor and High-Density Designs

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

Labs

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

- **Lab 10: Configure High-Density Environments**
- **Lab 11: Configure Indoor Mesh**
- **Lab 12: Configure Workgroup Bridging**