

Deploying Cisco Wireless Enterprise Networks (CS-WIDEPLOY)

Modality: Virtual Classroom

Duration: 3.5 Days

CLC: 30 Units

About this course:

The Cisco Wireless Enterprise network and many other Wireless Enterprise have been an article of speculation in the past, however, these systems are currently becoming reality for different inquiring associations. Notwithstanding, this exchange from a wired system to a remote system is immense and requires a great deal of in advance designing and planning. This opens the requirement for training, the hand-on training and handouts help the understudies in learning to design and configure the most recent Mobility Services Engine (MSE) Release 8.0, Cisco Wireless 8.0, and Prime™ Infrastructure Release 2.2 setup and functions.

This course helps individuals with information and abilities to operate and set up Cisco remote systems. It further gives the experts learning on the most proficient method to wireless remote systems utilizing best practices, unified transferring structure regulations, Cisco director, the exact position of the considerable parts of wireless highlights and the effective execution of the adaptability guidelines. This training course of IT Ops will also help prepare for the participants for the certification exam of 300-365 WIDEPLOY: Deploying Cisco Wireless Enterprise Networks.

The normal pay for a Cisco Certified Network Administrator is \$84,000 annually.

Course Objectives:

- Execute the infrastructure of context mobile and base practice Cisco MSE.
- Explain and apply different cast over wireless.
- Explain and implement wireless linking (mesh) equipment.
- Design and apply extremely dense wireless resolutions.
- Describe and arrange structure for flexibility.
- Manage wireless services by Cisco Prime Structure.
- Implement the connecting point and regulator extreme accessibility.
- Define and apply the QoS for wireless applications.
- Design and execute the infrastructure of Cisco FlexConnect®.

Audience:

The experts working in the specialized administration of Cisco wireless resolutions and platforms are the intended interest group of this course. The participants of the course are experts, who work to install, work, oversee and investigate Cisco wireless stages. The participants include:

- Engineers for Network
- Managers of Network

- System Engineers
- Administrators for Network.

Prerequisites:

It is essential that the attendees of this course must have general knowledge and skills on following concepts and workings:

- Managing and visibility of application.
- Cisco personality services engine.
- Sound indicating procedure.
- Metageek Channelizer Software.
- Cisco prime framework.
- LAN transferring.
- General QoS.

Suggested prerequisites courses:

WIFUND -- Implementing Cisco Wireless Network Fundamentals v1.x

ICND1 -- Interconnecting Cisco Networking Devices Part 1 v3.x

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