5 Days

CCIE Wireless - Lab Version

The Cisco CCIE Wireless training and certification demonstrate proven wireless expertise of individuals to operate wireless local area networking (WLAN) technologies and carry the advanced knowledge of wireless networking.

Cisco CCIE Collaboration Lab Exam is an eight-hour exam that will tests the skills of candidates to plan, design, implement, operate, and troubleshoot enterprise WLAN networks. The candidate has to make an early attempt of the CCIE Lab Exam within 18-months of qualifying the CCIE written exam. Candidate must pass the lab exam within three years of passing the written exam, otherwise, the written exam needs to be retaken prior to retaking the lab exam.

Course Details

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Course Outline

1.0 Configure and Troubleshoot the Network Infrastructure

1.1 Configure and troubleshoot wired infrastructure to support WLANs
1.2 Plan network infrastructure capacity
1.3 Configure and troubleshoot network connectivity for:
1.4 Configure and troubleshoot PoE for APs
1.5 Configure and troubleshoot QoS on the switching infrastructure
1.6 Configure and troubleshoot multicast on the switching infrastructure
1.7 Configure and troubleshoot IPv4 connectivity
1.8 Configure and troubleshoot basic IPv6 connectivity
1.9 Configure and troubleshoot wired security
1.10 Configure and troubleshoot network services

2.0 Configure and Troubleshoot an Autonomous Deployment Model

2.1 Configure and troubleshoot different modes and roles
2.2 Configure and troubleshoot SSID/MBSSID
2.3 Configure and troubleshoot security
2.4 Configure and troubleshoot radio settings
2.5 Configure and troubleshoot multicast
2.6 Configure and troubleshoot QoS

3.0 Configure and Troubleshoot a Unified Deployment Model (Centralized)

3.1 Configuring and controlling management access
3.2 Configure and troubleshoot interfaces
3.3 Configure and troubleshoot lightweight APs
3.4 Configure and troubleshoot high availability and redundancy
3.5 Configure and troubleshoot wireless segmentation
3.6 Configure and troubleshoot wireless security policies
3.7 Configure and troubleshoot Flexconnect and Office Extend

3.8 Configure and troubleshoot Mesh
3.9 Implement RF management
3.10 Configure and troubleshoot WLC control plane security
3.11 Configure and troubleshoot mobility
3.12 Configure and troubleshoot multicast

4.0 Configure and Troubleshoot a Unified Deployment Model (Converged)

4.1 Configure and control management access
4.2 Configure and troubleshoot Interfaces
4.3 Configure and troubleshoot lightweight APs
4.4 Configure and troubleshoot high availability and redundancy
4.5 Configure and troubleshoot wireless segmentation
4.6 Configure and Troubleshoot wireless security policies
4.7 Implement RF management
4.8 Configure and troubleshoot WLC control plane security
4.9 Configure and troubleshoot mobility
4.10 Configure and troubleshoot multicast

5.0 Configure and Troubleshoot Security & Identity Management

5.1 Configure and troubleshoot identity management
5.2 Configure and troubleshoot AAA policies
5.3 Configure and troubleshoot guest management

6.0 Configure and Troubleshoot Prime Infrastructure and MSE

6.1 Configure and troubleshoot management access
6.2 Perform basic operations
6.3 Perform maintenance operations
6.4 Security management
6.5 Implement and troubleshoot MSE
6.6 Integrate ISE
6.7 Integrate NetFlow

7.0 Configure and Troubleshoot WLAN media and application services

7.1 Configure and troubleshoot voice over wireless
7.2 Configure and troubleshoot video and media
7.3 Configure and troubleshoot mDNS
7.4 Configure and troubleshoot AVC and NetFlow

Pre Requisite

- There are no specific prerequisites for CCIE certification.

- Instead, candidates must first pass a written exam and then the corresponding hands-on lab exam.

- Also, a candidate is expected to possess a thorough understanding of the exam topics and strongly encouraged to have three to five years of job experience before attempting certification.

NCR)-122016,India

Date - Jun 06, 2025