5 Days | Cisco CCNA Wireless

In the fast-moving world of dynamically changing technology, enterprises are seeking higher productivity and cost gains with the use of rapidly evolving Wireless Technology. The proliferated use of such technology has placed higher demand to networks and professionals that control and support them.

Thus in order to meet these demands, CISCO provides the right fundamental training of Wireless Networks to IT Professionals to be able to install, configure and deploy and secure the Cisco Wireless Networks, so that there lies a unified connectivity from the business to the customer.

The Cisco Wireless Certification Program builds best practices for LAN Management, monitoring and also troubleshooting the wireless networks.

Course Details
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Course Outline

1.0 RF Fundamentals

1.1 Describe the propagation of radio waves
1.2 Explain the principles of RF mathematics
1.3 Interpret RF signal measurements
1.4 Describe Wi-Fi antenna characteristics

2.0 802.11 Technology Fundamentals

2.1 Describe basic Wi-Fi governance
2.2 Describe usable channel and power combination
2.3 Describe 802.11 fundamentals

3.0 Implementing a Wireless Network

3.1 Describe the various Cisco wireless architectures
3.2 Describe AP and WLC management access connections

3.3 Describe physical infrastructure connections

4.0 Operating a Wireless Network

4.1 Execute initial setup procedures Cisco wireless infrastructures
4.2 Identify wireless network and client management and configuration platform options
4.3 Describe the Cisco implementation of the CAPWAP discovery and join process
4.4 Describe and configure the components of a wireless LAN access for client connectivity using GUI only
4.5 Distinguish different lightweight AP modes
4.6 Maintain wireless network

5.0 Configuration of Client Connectivity

5.1 Identify authentication mechanisms
5.2 Configure client connectivity in different operating systems
5.3 Configure WLAN authentication mechanisms on the controller
5.4 Describe roaming
5.5 Describe wireless guest networking

6.0 Performing Client Connectivity Troubleshooting

6.1 Validate WLAN configuration settings at the infrastructure side
6.2 Validate AP infrastructure settings
6.3 Validate client settings
6.4 Employ appropriate controller tools to assist troubleshooting
6.5 Identify appropriate third-party tools to assist troubleshooting

7.0 Site Survey Process

7.1 Describe site survey methodologies and their purpose
7.2 Describe passive and active site surveys
7.3 Identify proper application of site survey tools
7.4 Describe the requirements of client real-time and non-real-time applications

Who Should Attend

This course is ideal for those working with the profiles of:

- Network Specialists

- Network Administrators and

- Network Support Engineers with 1-3 years of experience.

Pre Requisite

Any valid Cisco CCENT, CCNA Routing, and Switching or any CCIE certification can act as a prerequisite.

Exams

200-355 WIFUND Implementing Cisco Wireless Network Fundamentals (WIFUND) []

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