



WITSHOOT - TROUBLESHOOTING CISCO WIRELESS ENTERPRISE NETWORKS V1.1

Course Code: 4389

Prepare for the CCNP Wireless certification, a professional-level certification specializing in the wireless field.

In this course, you will learn how to troubleshoot Cisco wireless networks. In addition, you will learn about the guidelines for troubleshooting Wi-Fi architectures of Cisco wireless components. Hands-on labs are designed to reinforce concepts such as troubleshooting Cisco AireOS Release 8.0, Cisco Prime Infrastructure Release 2.2, and Cisco Identity Services Engine (Cisco ISE) Release 1.3 features.

Cisco CCNP Wireless certification addresses the need for designing, implementing, and operating Cisco Wireless networks and mobility infrastructures. CCNP Wireless certification emphasizes wireless networking principles and theory.

Note: For the classroom version of this course, laptops are provided to participate in the hands-on labs. If you are attending the virtual version or desire to use your own laptop, please bring a laptop computer with an Ethernet port as well as an internal wireless NIC, 802.11a/b/g/n. Access to the remote labs requires a browser that supports Java and permissions to open RDP or encrypted (RDP443) RDP sessions. If your browser does not support Java, you will need administrator rights to the laptop to install the software.

What You'll Learn

- Methodology
- AP joining issues
- Client connectivity issues
- Identify and locate RF interferences
- Client performance issues
- Identify common wired infrastructure issues based on the output from common troubleshooting tools
- WLC and AP high-availability issues

Who Needs to Attend

- Wireless network engineers with at least three years of experience in the networking or security fields



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CLASSROOM LIVE

\$2,695 USD

3 days

Classroom Live Outline

1. Identify Common Troubleshooting Approaches
 - Network Troubleshooting Methodology
 - Network Troubleshooting Tools and Resources
2. Identify Wireless Infrastructure Issues
 - Client Connectivity Issues
 - Client Performance Issues
3. Identify Core Wireless Infrastructure Issues
 - AP-to-Controller Issues
 - Wireless-Related Wired Infrastructure Issues
 - Cisco FlexConnect
4. Identify Wireless Security Issues
 - Client Authentication Issues
 - Guest Access Issues
 - Issues with RF-Related Security Threats

Classroom Live Labs

Lab 1: Client Authentication Failure

Lab 2: Client Connection Failure

Lab 3: Client Unable to See the Employee WLAN

Lab 4: Poor Performance on 2.4 GHz

Lab 5: APs Are Not Joining the Controller (Example 1)

Lab 6: APs Are Not Joining the Controller (Example 2)

Lab 7: Client Roaming Is Not Handled Seamlessly

Lab 8: No Access to WLC1 from the Network (Example 1)

Lab 9: No Access to WLC2 from the Network (Example 2)
Lab 10: New 802.11ac APs Are Not at Maximum Performance
Lab 11: FlexConnect Local Switched WLAN Issue
Lab 12: FlexConnect APs Cannot Authenticate New Users
Lab 13: APs Are Not Joining the Controller (Example 3)
Lab 14: Client Authentication Failure
Lab 15: Guest Web Authentication Failure
Lab 16: Additional Client Authentication Issues

Oct 22 - 24, 2019 | 8:30 AM - 5:00 PM | HERNDON, VA



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VIRTUAL CLASSROOM LIVE

\$2,695 USD

3 days

Virtual Classroom Live Outline

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Oct 22 - 24, 2019 | 8:30 AM - 5:00 PM EST

Nov 12 - 14, 2019 | 9:00 AM - 5:00 PM EST

Dec 17 - 19, 2019 | 9:00 AM - 5:30 PM EST



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WITSHOOT - TROUBLESHOOTING CISCO WIRELESS ENTERPRISE NETWORKS V1.1

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ON-DEMAND

\$750 USD

On-Demand Outline

1. Identify Common Troubleshooting Approaches
 - Network Troubleshooting Methodology
 - Network Troubleshooting Tools and Resources
2. Identify Wireless Infrastructure Issues
 - Client Connectivity Issues
 - Client Performance Issues
3. Identify Core Wireless Infrastructure Issues
 - AP-to-Controller Issues
 - Wireless-Related Wired Infrastructure Issues
 - Cisco FlexConnect
4. Identify Wireless Security Issues
 - Client Authentication Issues
 - Guest Access Issues
 - Issues with RF-Related Security Threats

On-Demand Labs

- Lab 1: Client Authentication Failure
- Lab 2: Client Connection Failure
- Lab 3: Client Unable to See the Employee WLAN
- Lab 4: Poor Performance on 2.4 GHz
- Lab 5: APs Are Not Joining the Controller (Example 1)
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PRIVATE GROUP TRAINING

3 days

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