

TROUBLESHOOTING CISCO WIRELESS ENTERPRISE NETWORKS (WITSHOOT)

Temario

This wireless specific troubleshooting course has been designed to provide network engineers with best practices when troubleshooting Cisco Wi-Fi architectures. Hands-on labs are used to reinforce the theory and include troubleshooting Cisco AireOS Release 8.0, Cisco Prime Infrastructure Release 2.2, and Cisco Identity Services Engine (Cisco ISE) Release 1.3 features

Pre-requisitos

Attendees should meet the following pre-requisites:

- **ICND1** - Interconnecting Cisco Networking Devices Part 1 (CCENT)
- **WIFUND** - Implementing Cisco Wireless Network Fundamentals

Objetivos del curso

After attending this course you should be able to:

- Identify common troubleshooting approaches
- Identify and describe wireless infrastructure issues
- Identify core wireless infrastructure issues
- Identify wireless security issues

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Engineers involved in the deployment and maintenance of a wireless network

Contenido

Identify Common Troubleshooting Approaches

- Describing Network Troubleshooting Methodology
- Describing Network Troubleshooting Tools and Resources

Identify Wireless Infrastructure Issues

- Troubleshooting Client Connectivity Issues
- Troubleshooting Client Performance Issues

Identify Core Wireless Infrastructure Issues

- Troubleshooting AP-to-Controller Issues
- Troubleshooting Wireless-Related Wired Infrastructure Issues
- Troubleshooting Cisco FlexConnect

Identify Wireless Security Issues

- Troubleshooting Client Authentication Issues
- Troubleshooting Guest Access Issues

- Troubleshooting Issues with RF-Related Security Threats

Labs:

- Challenge Lab 1: Client Authentication Failure
- Challenge Lab 2: Client Connection Failure
- Challenge Lab 3: Client Unable to See the Employee WLAN
- Challenge Lab 4: Poor Performance on 2.4 GHz
- Challenge Lab 5: APs Are Not Joining the Controller, Example 1
- Challenge Lab 6: APs Are Not Joining the Controller, Example 2
- Challenge Lab 7: Client Roaming Is Not Handled Seamlessly
- Challenge Lab 8: No Access to wlc1 from the Network, Example 1
- Challenge Lab 9: No Access to wlc2 from the Network, Example 2
- Challenge Lab 10: New 802.11ac APs Are Not at Maximum Performance
- Challenge Lab 11: FlexConnect Local Switched WLAN Issue
- Challenge Lab 12: FlexConnect APs Cannot Authenticate New Users
- Challenge Lab 13: APs Are Not Joining the Controller, Example 3
- Challenge Lab 14: Client Authentication Failure
- Challenge Lab 15: Guest Web Authentication Failure
- Challenge Lab 16: Additional Client Authentication Issues