

Cisco Network Management Troubleshooting

This Cisco Network Management Troubleshooting training covers how to accurately identify the source of a network problem, choose the right solution, implement it right the first time, and keep a network moving.

[CBT Nuggets course material](#) →

WEEK 1

Troubleshoot SNMP

153 min.

Introduction to Troubleshooting SNMP	1
SNMP Overview	8
SNMPv2 Configuration	9
SNMPv3 Client Configuration	10
SNMPv3 Server Configuration	5
Troubleshooting SNMP	5

Troubleshoot NetFlow

Overview	1
Introduction to Troubleshooting NetFlow	1
NetFlow Overview	4
Flavors of NetFlow	6
NetFlow v5	10
Flexible NetFlow	6
NetFlow Collectors and Analyzers	4

Troubleshoot IPv4 and IPv6 DHCP

Overview	1
Introduction to Troubleshooting DHCP Services	1
Overview of DHCP Services	7
IPv4 DHCP Client and Server	25
IPv6 DHCP Client and Server	18

Troubleshoot Network Performance Issues using IP SLA

Overview	1
Intro to Troubleshoot Network Performance with IP SLA	1

SLA Overview	5
Configure and Verify icmp-echo SLA	10
Configure and Verify UDP-Jitter SLA	13

WEEK 2

152 min.

Configure and Verify DHCP SLA	14
Tracking using SLAs	18

Troubleshoot Device Management Protocols

Overview	1
Intro to Troubleshoot Device Management Protocols	1
Overview of Management Protocols	6
File Transfer via TFTP-FTP	6
File transfer via HTTP(S)	8
File Transfer via SCP	7

Troubleshoot Router Security Features

Overview	1
Intro to Troubleshooting Router Security Features	1
Standard IPv4 ACLs for Filtering	22
Extended IPv4 ACLs for Filtering	17
Time Based ACLs	14
IPv6 ACLs for Filtering	19
Unicast Reverse Path Forwarding (uRPF)	16

WEEK 3

Troubleshoot Device Security using IOS AAA

162 min.

Overview	1
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Intro to Troubleshoot AAA Authentication	1
AAA Authentication Overview	6
Troubleshooting Console Access	8
Troubleshooting VTY Access	11
Hands On Lab	16

Troubleshoot Network Problems using Logging

Overview	1
Introduction to Troubleshooting using Logging	1
Logging Overview	4
Configuring Logging	16
Conditional Debugging	14

Troubleshooting Cisco Etherchannel and LAG Ports

Overview	1
Introduction to Troubleshooting Cisco EtherChannel and LAG Ports	1
EtherChannel Review and Base Configuration	21
Critical LACP Show Commands	15
Additional LACP Features	20
Troubleshooting Static and Dynamic EtherChannel and LAG Ports	25

WEEK 4

Troubleshoot Static and Dynamic 802.1q Trunking Protocols 93 min.

Overview	1
Welcome to the Troubleshoot Static and Dynamic 802.1q Trunking Protocols Skill	1
Reviewing Key Trunking Concepts	9

Trunking Configuration Lab	26
Trunking Troubleshooting Lab	17
Concluding the Troubleshoot Static and Dynamic 802.1q Trunking Protocols Skill	1

Troubleshoot WLAN Configuration and Wireless Client Connectivity Issues

Overview	1
Intro to Wireless Troubleshooting	1
Choosing a Wireless Troubleshooting Methodology	7
Troubleshooting the Intersection Between Wired and Wireless	8
Troubleshooting AP to WLC Issues	5
Troubleshooting Wireless Client Connectivity	7
Troubleshooting Client Performance Issues	6