Troubleshooting Network Issues

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Course Overview

Network Topologies and the OSI Model

Internet Protocol –
Addressing and Subnetting Fundamentals

Internet Protocol –
ARP and DNS Fundamentals

Internet Protocol - Routing Packets

Routing Packets with Linux

Investigating TCP Internals

Troubleshooting Network Issues

Module Overview

Demo Heavy Module

How to diagnose the problem

Demo

Troubleshooting Layer 1 - Physical

Troubleshooting Layer 2 - Data Link

Troubleshooting Layer 3 - Network

Troubleshooting Layer 4 - Transport

Troubleshooting Commands

Layer 1	`eth-tool`		
Layer 2	`arp`		
Layer 3	`ip (addr/route)`	`route`	`ping`
Layer 4	`netstat`	`ss`	

Wireshark

Module Overview

Troubleshooting Layer 1 - Physical

Troubleshooting Layer 2 - Data Link

Troubleshooting Layer 3 - Network

Troubleshooting Layer 4 - Transport

Thank You!