



TestOut Network Pro - English 6.0.x

COURSE OUTLINE

TestOut Network Pro Course Outline - English 6.0.x

- ▶ Videos: 140 (17:59:52)
- ▶ Demonstrations: 118 (10:56:06)
- ▶ Simulations: 107
- ▶ Fact Sheets: 136
- ▶ Exams: 89

CONTENTS:

1.0 INTRODUCTION

1.1 Network Pro Introduction

- ▶ 1.1.1 Network Pro Introduction (4:15)

1.2 Use the Simulator

- ▶ 1.2.1 Use the Simulator (14:56)
- ▶ 1.2.2 Explore a Single Location in a Lab
- ▶ 1.2.3 Explore Multiple Locations in a Lab
- ▶ 1.2.4 Networking Rack Facts

2.0 NETWORKING BASICS

2.1 Networking Overview

- ▶ 2.1.1 Introduction to Networking (5:17)
- ▶ 2.1.2 Network Types (9:02)
- ▶ 2.1.3 Networking Terms (9:28)
- ▶ 2.1.4 Networking Facts
- ▶ 2.1.5 Network Topologies (7:09)
- ▶ 2.1.6 Network Topology Facts
- ▶ 2.1.7 Practice Questions

2.2 OSI Model and Data Encapsulation

- ▶ 2.2.1 The OSI Model (3:03)
- ▶ 2.2.2 OSI Model Facts
- ▶ 2.2.3 OSI Model Layers (7:58)

- ▶ 2.2.4 OSI Model Communications (3:16)
- ☰ 2.2.5 OSI Layers Facts
- ✍ 2.2.6 Practice Questions

2.3 Data Encapsulation

- ▶ 2.3.1 Data Encapsulation (5:21)
- ☰ 2.3.2 Data Encapsulation Facts
- ▶ 2.3.3 Address Resolution Protocol (ARP) (4:26)
- ▶ 2.3.4 Packets and Frames (5:58)
- ☰ 2.3.5 Network Communication Process Facts
- ▶ 2.3.6 Three-Way Handshake and TCP Flags (3:28)
- ☰ 2.3.7 Three-Way Handshake and TCP Flags Facts
- ✍ 2.3.8 Practice Questions

2.4 Network Protocols

- ▶ 2.4.1 TCP/IP Protocols (7:58)
- ▶ 2.4.2 Common Network Services (5:59)
- 🖨 2.4.3 Explore Network Services (8:43)
- ☰ 2.4.4 Network Port and Protocol Facts
- ☰ 2.4.5 Common Ports
- ✍ 2.4.6 Practice Questions

3.0 NETWORK CABLING AND HARDWARE DEVICES

3.1 Copper Cables and Connectors







- ▶ 3.1.1 Twisted Pair (11:30)
- ☰ 3.1.2 Twisted Pair Facts
- 🔗 3.1.3 Connect to an Ethernet Network
- ▶ 3.1.4 Coaxial (4:56)
- ☰ 3.1.5 Coaxial Cable Facts
- 🔗 3.1.6 Connect a Cable Modem
- ✍ 3.1.7 Practice Questions

3.2 Fiber Optic Cables and Connectors








- ▶ 3.2.1 Fiber Optic (10:53)
- ☰ 3.2.2 Fiber Optic Facts
- 🔗 3.2.3 Connect Fiber Optic Cables
- ✍ 3.2.4 Practice Questions

3.3 Wiring Implementation






- ▶ 3.3.1 Twisted-Pair Cable Construction (9:16)
- ☰ 3.3.2 Cable Construction Facts

-  3.3.3 Wiring Distribution (5:07)
-  3.3.4 Use Punchdown Blocks (5:33)
-  3.3.5 Wiring Distribution Facts
-  3.3.6 Connect Patch Panel Cables 1
-  3.3.7 Connect Patch Panel Cables 2
-  3.3.8 Practice Questions











3.4 Troubleshoot Network Media

-  3.4.1 Troubleshoot Copper Wiring Issues (13:53)
-  3.4.2 Copper Wiring Troubleshooting Facts
-  3.4.3 Troubleshoot Fiber Optic Wiring Issues (7:23)
-  3.4.4 Fiber Optic Wiring Troubleshooting Facts
-  3.4.5 Troubleshooting Tools (6:09)
-  3.4.6 Troubleshooting Tools Facts
-  3.4.7 Practice Questions

3.5 Network Adapters




-  3.5.1 Network Adapters (8:35)
-  3.5.2 Network Adapter Facts
-  3.5.3 Select and Install a Network Adapter
-  3.5.4 Connect a Media Converter
-  3.5.5 Practice Questions












3.6 Networking Devices

-  3.6.1 Networking Devices (10:11)
-  3.6.2 Network Device Facts
-  3.6.3 Install a Hub
-  3.6.4 Install a Switch
-  3.6.5 Internetwork Devices (6:29)
-  3.6.6 Internetwork Device Facts
-  3.6.7 Configure a Home Router
-  3.6.8 Data Center Device Installation (7:40)
-  3.6.9 Data Center Device Installation Facts
-  3.6.10 Practice Questions






4.0 NETWORK ADDRESSING AND SERVICES

4.1 IP Addressing












-  4.1.1 Numbering Systems (9:31)
-  4.1.2 Numbering System Facts
-  4.1.3 IP Addresses (8:55)

-  4.1.4 IP Address Facts
-  4.1.5 Subnets Part 1 (9:44)
-  4.1.6 Subnets Part 2 (6:10)
-  4.1.7 Subnet Facts
-  4.1.8 IP Address Assignment (6:30)
-  4.1.9 IP Address Assignment Facts
-  4.1.10 Configure IP Settings on Workstation (2:24)
-  4.1.11 Configure IP Addresses
-  4.1.12 Configure IP Address on iPad (2:23)
-  4.1.13 Configure IP Addresses on Mobile Devices
-  4.1.14 Practice Questions







4.2 APIPA and Alternate Addressing

-  4.2.1 APIPA (4:04)
-  4.2.2 Set Up Alternate Addressing (3:32)
-  4.2.3 APIPA and Alternate IP Addressing Facts
-  4.2.4 Configure Alternate Addressing
-  4.2.5 Practice Questions











4.3 DHCP

-  4.3.1 DHCP (6:50)
-  4.3.2 DHCP Facts
-  4.3.3 Configure a DHCP Server (10:45)
-  4.3.4 Configure a DHCP Server
-  4.3.5 DHCP Options (10:40)
-  4.3.6 Configure DHCP Options
-  4.3.7 Create DHCP Exclusions
-  4.3.8 Create DHCP Client Reservations
-  4.3.9 Configure Client Addressing (2:21)
-  4.3.10 Troubleshoot DHCP Exhaustion (4:09)
-  4.3.11 Practice Questions







4.4 DHCP Relay

-  4.4.1 DHCP Relay (4:21)
-  4.4.2 Configure DHCP Relay (5:52)
-  4.4.3 DHCP Relay Facts
-  4.4.4 Configure a DHCP Relay Agent
-  4.4.5 Add a DHCP Server on Another Subnet
-  4.4.6 Practice Questions










4.5 DNS

-  4.5.1 DNS - Record Types (14:20)
-  4.5.2 DNS Facts
-  4.5.3 Configure DNS (11:36)
-  4.5.4 Configure DNS Addresses
-  4.5.5 Create Standard DNS Zones
-  4.5.6 Create Host Records
-  4.5.7 Create CNAME Records
-  4.5.8 Troubleshoot DNS Records
-  4.5.9 Configure DNS Caching on Linux (4:23)
-  4.5.10 Practice Questions




4.6 NTP

-  4.6.1 NTP (4:28)
-  4.6.2 Configure NTP on Windows 2019 (2:37)
-  4.6.3 Configure NTP on Linux (6:27)
-  4.6.4 NTP Facts
-  4.6.5 Configure NTP
-  4.6.6 Practice Questions






4.7 IP Version 6





-  4.7.1 IP Version 6 (8:22)
-  4.7.2 IPv6 Facts
-  4.7.3 IPv4 to IPv6 Migration
-  4.7.4 IPv6 Address Assignment (9:40)
-  4.7.5 Configure IPv6 Addresses (9:30)
-  4.7.6 Configure a DHCP6 Server (5:01)
-  4.7.7 IPv6 Address Assignment Facts
-  4.7.8 Configure an IPv6 Address
-  4.7.9 Practice Questions

4.8 Multicast








-  4.8.1 Multicast (8:44)
-  4.8.2 Multicast Facts
-  4.8.3 Practice Questions

4.9 Troubleshoot IP Configuration Issues








-  4.9.1 IP Configuration Troubleshooting (8:17)
-  4.9.2 Use ipconfig (6:40)
-  4.9.3 Use the ip Command (5:31)
-  4.9.4 IP Configuration Troubleshooting Facts
-  4.9.5 Explore IP Configuration

-  4.9.6 Troubleshoot IP Configuration 1
-  4.9.7 Troubleshoot IP Configuration 2
-  4.9.8 Troubleshoot IP Configuration 3
-  4.9.9 Practice Questions

4.10 Troubleshoot IP Communications







-  4.10.1 Network Communication Troubleshooting (11:10)
-  4.10.2 Use ping and tracert (9:06)
-  4.10.3 Network Communication Troubleshooting Facts
-  4.10.4 Use arp and netstat (8:29)
-  4.10.5 arp and netstat Facts
-  4.10.6 Explore Network Communications
-  4.10.7 Practice Questions

4.11 Troubleshoot DNS





-  4.11.1 DNS Troubleshooting (4:47)
-  4.11.2 DNS Troubleshooting Facts
-  4.11.3 Examining DNS Attacks (11:57)
-  4.11.4 Use nslookup (3:38)
-  4.11.5 Use dig (5:28)
-  4.11.6 Explore nslookup
-  4.11.7 Practice Questions

5.0 ETHERNET

5.1 Ethernet











-  5.1.1 Ethernet Architecture (10:03)
-  5.1.2 Ethernet Facts
-  5.1.3 Ethernet Specifications (3:59)
-  5.1.4 Ethernet Specifications Facts
-  5.1.5 Reconnect to an Ethernet Network
-  5.1.6 Practice Questions

5.2 Connect Network Devices

-  5.2.1 Connect Devices (7:20)
-  5.2.2 Device Connection Facts
-  5.2.3 Connect Network Devices
-  5.2.4 Practice Questions









5.3 Troubleshoot Physical Connectivity

-  5.3.1 Troubleshoot Physical Network Topology (5:33)














-  5.3.2 Physical Network Topology Troubleshooting Facts
-  5.3.3 Troubleshoot the Link Status (4:50)
-  5.3.4 Link Status Troubleshooting Facts
-  5.3.5 Explore Physical Connectivity 1
-  5.3.6 Explore Physical Connectivity 2
-  5.3.7 Troubleshoot Physical Connectivity 1
-  5.3.8 Troubleshoot Physical Connectivity 2
-  5.3.9 Troubleshoot Physical Connectivity 3
-  5.3.10 Troubleshoot Physical Connectivity 4
-  5.3.11 Practice Questions

6.0 FIREWALLS AND INTRUSION DETECTION

6.1 Firewalls





-  6.1.1 Firewalls (3:16)
-  6.1.2 Firewall Types (11:04)
-  6.1.3 Firewall Facts
-  6.1.4 Configure Windows Firewall (4:07)
-  6.1.5 Configure Linux Firewall (5:35)
-  6.1.6 Linux Firewall Facts
-  6.1.7 Configure a Host Firewall
-  6.1.8 Practice Questions

6.2 Firewall Design and Implementation






-  6.2.1 Unified Threat Management (UTM) Appliances (3:24)
-  6.2.2 Unified Threat Management (UTM) Appliances Facts
-  6.2.3 Firewall Network Design Principles (5:20)
-  6.2.4 Configure Network Security Appliance Access (7:48)
-  6.2.5 Configure Network Security Appliance Access
-  6.2.6 Configure a Security Appliance
-  6.2.7 Configure Firewall Rules (6:50)
-  6.2.8 Configure a Perimeter Firewall
-  6.2.9 Firewall ACLs (3:08)
-  6.2.10 Create Firewall ACLs (5:50)
-  6.2.11 Configure a Proxy Server (5:00)
-  6.2.12 Firewall Design and Configuration Facts
-  6.2.13 Practice Questions

6.3 Screened Subnets (DMZ)

-  6.3.1 Screened Subnets (3:57)









-  6.3.2 Configure a Screened Subnet (3:28)
-  6.3.3 Screened Subnet Facts
-  6.3.4 Configure a Screened Subnet (DMZ)
-  6.3.5 Practice Questions

6.4 Intrusion Detection and Prevention












-  6.4.1 Intrusion Detection and Prevention (4:38)
-  6.4.2 Implement Intrusion Detection and Prevention (6:18)
-  6.4.3 Intrusion Detection and Prevention Facts
-  6.4.4 Implement Intrusion Prevention
-  6.4.5 Practice Questions

7.0 SWITCHING AND ROUTING




7.1 Switching














-  7.1.1 Switch Features (8:14)
-  7.1.2 Switch Access (3:58)
-  7.1.3 Connect to a Switch with SSH (2:42)
-  7.1.4 Switching Facts
-  7.1.5 Connect to and Secure a Switch - GUI (2:57)
-  7.1.6 Secure a Switch
-  7.1.7 Cisco IOS Basics (8:35)
-  7.1.8 Practice Questions

7.2 Basic Switch Configuration












-  7.2.1 VLAN Overview (11:23)
-  7.2.2 VLAN Facts
-  7.2.3 Configure Switch IP and VLAN - GUI (3:59)
-  7.2.4 Configure Switch IP and VLAN - GUI
-  7.2.5 Create VLANs - GUI (3:26)
-  7.2.6 Create VLANs - GUI
-  7.2.7 Configure Switch IP and VLAN - CLI (4:43)
-  7.2.8 CLI Switch IP Configuration Facts
-  7.2.9 Configure Switch IP Settings - CLI
-  7.2.10 Configure Management VLAN Settings - CLI
-  7.2.11 Practice Questions

7.3 Switch Ports












-  7.3.1 Switch Port Configurations (6:57)
-  7.3.2 Switch Port Configuration Facts
-  7.3.3 Configure Trunking (2:56)

-  7.3.4 Configure Trunking
-  7.3.5 Configure Port Aggregation (2:50)
-  7.3.6 Configure Port Aggregation
-  7.3.7 Enable Jumbo Frame Support (2:36)
-  7.3.8 Enable Jumbo Frame Support
-  7.3.9 Switch Port Features (10:24)
-  7.3.10 Switch Port Feature Facts
-  7.3.11 Configure Port Mirroring (2:20)
-  7.3.12 Configure Port Mirroring
-  7.3.13 Configure PoE (2:33)
-  7.3.14 Configure PoE
-  7.3.15 Configure Spanning Tree (2:37)
-  7.3.16 Practice Questions

7.4 Switch Security

-  7.4.1 Securing Network Switches (7:29)
-  7.4.2 Switch Security Facts
-  7.4.3 Switch Attacks (11:50)
-  7.4.4 Switch Attack Facts
-  7.4.5 Disable Switch Ports - GUI (2:09)
-  7.4.6 Disable Switch Ports - GUI
-  7.4.7 Hardening a Switch (10:38)
-  7.4.8 Harden a Switch
-  7.4.9 Secure Access to a Switch
-  7.4.10 Secure Access to a Switch 2
-  7.4.11 Practice Questions

7.5 Routing

-  7.5.1 Routing (9:36)
-  7.5.2 Routing Facts
-  7.5.3 Routing Protocol Characteristics (12:41)
-  7.5.4 Routing Protocol Characteristics Facts
-  7.5.5 Routing Protocols (6:59)
-  7.5.6 Routing Protocol Facts
-  7.5.7 Routing High Availability (11:56)
-  7.5.8 Routing High Availability Facts
-  7.5.9 Configure QoS (7:39)
-  7.5.10 Configure QoS
-  7.5.11 Practice Questions

7.6 Network Address Translation

- ▶ 7.6.1 Network Address Translation (9:53)
- ☰ 7.6.2 NAT Facts
- 🖨 7.6.3 Configure NAT (9:39)
- 🔗 7.6.4 Configure NAT
- ✍ 7.6.5 Practice Questions

7.7 Switching and Routing Troubleshooting

- ▶ 7.7.1 Switching and Routing Troubleshooting (Part 1) (6:14)
- ▶ 7.7.2 Switching and Routing Troubleshooting (Part 2) (6:50)
- 🖨 7.7.3 Troubleshoot Routing (7:07)
- ☰ 7.7.4 Switching and Routing Troubleshooting Facts
- ✍ 7.7.5 Practice Questions

8.0 SPECIALIZED NETWORKS

8.1 Corporate and Datacenter Networks

- ▶ 8.1.1 Storage Area Networks (10:43)
- 🖨 8.1.2 Configure an iSCSI SAN (5:55)
- 🔗 8.1.3 Configure an iSCSI Target
- 🔗 8.1.4 Configure an iSCSI Initiator
- ☰ 8.1.5 SAN Facts
- ▶ 8.1.6 Software-Defined Networking (2:33)
- 🖨 8.1.7 Configure Software Defined Networking (SDN) (5:53)
- ☰ 8.1.8 Software-Defined Networking Facts
- ✍ 8.1.9 Practice Questions







8.2 Voice over IP (VoIP)

- ▶ 8.2.1 Voice over IP (VoIP) (11:14)
- ☰ 8.2.2 VoIP Facts
- 🔗 8.2.3 Connect VoIP 1
- 🔗 8.2.4 Connect VoIP 2
- 🖨 8.2.5 Configure VoIP Server (8:44)
- 🖨 8.2.6 Configure VoIP Phone (4:45)
- ✍ 8.2.7 Practice Questions








8.3 Virtualization

- ▶ 8.3.1 Virtualization Overview (9:26)
- 🖨 8.3.2 Create a Virtual Machine (6:47)
- ☰ 8.3.3 Virtualization Facts
- ✍ 8.3.4 Practice Questions








8.4 Virtual Networking

-  8.4.1 Virtual Networking Implementations (6:40)
-  8.4.2 Virtual Network Devices (5:47)
-  8.4.3 Configure Virtual Network Devices (3:05)
-  8.4.4 Virtual Networking Facts
-  8.4.5 Virtualization Implementation Facts
-  8.4.6 Practice Questions

8.5 Cloud Concepts and Connectivity








-  8.5.1 Cloud Models (3:47)
-  8.5.2 Cloud Delivery Methods (6:33)
-  8.5.3 Cloud Facts
-  8.5.4 Virtual Private Networks (8:27)
-  8.5.5 Virtual Private Networks Facts
-  8.5.6 IPsec Virtual Private Networks Facts
-  8.5.7 Practice Questions

8.6 Internet of Things (IoT)



-  8.6.1 Internet of Things (11:01)
-  8.6.2 Smart Devices (7:03)
-  8.6.3 Internet of Things Facts
-  8.6.4 Configure Smart Devices
-  8.6.5 IoT Security Challenges (7:53)
-  8.6.6 Scan for IoT with Nmap (3:24)
-  8.6.7 Scan for IoT Devices
-  8.6.8 Practice Questions







9.0 WIRELESS NETWORKING

9.1 Wireless Concepts and Standards










-  9.1.1 Radio Frequency Wireless (11:28)
-  9.1.2 Wireless Architecture (7:52)
-  9.1.3 Wireless Architecture Facts
-  9.1.4 Wireless Infrastructure Facts
-  9.1.5 Wireless Standards (12:55)
-  9.1.6 Wireless Standards Facts
-  9.1.7 Practice Questions

9.2 Wireless Configuration






-  9.2.1 Wireless Network Configuration (9:31)
-  9.2.2 Wireless Configuration Tasks

-  9.2.3 Configure Wireless Networks (8:39)
-  9.2.4 Configure a Wireless Client (4:28)
-  9.2.5 Create a Home Wireless Network
-  9.2.6 Secure a Home Wireless Network
-  9.2.7 Configure Wireless Profiles
-  9.2.8 Practice Questions















9.3 Wireless Network Design

-  9.3.1 Wireless Network Design (5:48)
-  9.3.2 Site Survey (7:16)
-  9.3.3 Wireless Antenna Types (6:11)
-  9.3.4 Wireless Network Design Facts
-  9.3.5 Conduct a Wireless Survey (4:40)
-  9.3.6 Wireless Site Survey Facts
-  9.3.7 Design an Indoor Wireless Network
-  9.3.8 Design an Outdoor Wireless Network
-  9.3.9 Practice Questions










9.4 Wireless Network Implementation

-  9.4.1 Enterprise Wireless Equipment (7:46)
-  9.4.2 Configure Enterprise Wireless Networks (6:22)
-  9.4.3 Enterprise Wireless Facts
-  9.4.4 Implement an Enterprise Wireless Network
-  9.4.5 Practice Questions

9.5 Wireless Security




-  9.5.1 Wireless Security Part 1 (8:10)
-  9.5.2 Wireless Security Part 2 (6:56)
-  9.5.3 Wireless Security Facts
-  9.5.4 Wireless Attacks (9:40)
-  9.5.5 Wireless Attack Facts
-  9.5.6 Secure a Wireless Network (5:41)
-  9.5.7 Secure an Enterprise Wireless Network
-  9.5.8 Enable Wireless Intrusion Prevention
-  9.5.9 Configuring a Captive Portal (6:21)
-  9.5.10 Configuring a Captive Portal
-  9.5.11 Creating a Guest Network for BYOD (7:30)
-  9.5.12 Creating a Guest Network for BYOD
-  9.5.13 Configure a Secure Email Account on Mobile Device
-  9.5.14 Practice Questions

9.6 Wireless Troubleshooting






-  9.6.1 Wireless Communications Troubleshooting Part 1 (7:56)
-  9.6.2 Wireless Communications Troubleshooting Part 2 (14:52)
-  9.6.3 Troubleshoot Wireless Connections (6:24)
-  9.6.4 Wireless Network Troubleshooting Facts
-  9.6.5 Optimize Wireless Networks (4:39)
-  9.6.6 Optimize a Wireless Network
-  9.6.7 Explore Wireless Network Problems
-  9.6.8 Troubleshoot Wireless Network Problems
-  9.6.9 Practice Questions

10.0 WIDE AREA NETWORKS (WANS)





10.1 WAN Concepts

-  10.1.1 WAN Concepts (11:26)
-  10.1.2 WAN Concept Facts
-  10.1.3 Practice Questions









10.2 Internet Connectivity

-  10.2.1 Traditional Internet Connectivity (14:57)
-  10.2.2 Mobile Internet Connectivity (10:50)
-  10.2.3 Internet Services Facts
-  10.2.4 Connect to a DSL Network
-  10.2.5 Practice Questions

10.3 Remote Access




-  10.3.1 Remote Access (5:02)
-  10.3.2 Configuring a RADIUS Solution (2:52)
-  10.3.3 Remote Access Facts
-  10.3.4 Practice Questions

10.4 Virtual Private Networks







-  10.4.1 Virtual Private Networks (8:32)
-  10.4.2 Configuring a VPN (9:13)
-  10.4.3 Configure a Remote Access VPN
-  10.4.4 Configuring a VPN Client (2:40)
-  10.4.5 Configure a VPN Connection iPad
-  10.4.6 VPN Protocol Facts
-  10.4.7 VPN Facts
-  10.4.8 Practice Questions

11.0 NETWORK OPERATIONS AND MANAGEMENT










11.1 Performance Metrics

-  11.1.1 Performance Metrics (5:17)
-  11.1.2 Performance Metrics
-  11.1.3 Practice Questions

11.2 Network Management with SNMP

-  11.2.1 Network Management with SNMP (5:14)
-  11.2.2 Configure an SNMP System on a Router (2:38)
-  11.2.3 Monitor Switch with SNMP (1:55)
-  11.2.4 Configure SNMP Trap (5:40)
-  11.2.5 SNMP Facts
-  11.2.6 Practice Questions

11.3 Log File Management







-  11.3.1 Log File Management (6:50)
-  11.3.2 Configure a Syslog Server on a Router (3:21)
-  11.3.3 Configuring Remote Logging on Linux (6:31)
-  11.3.4 Logging Events on pfSense (6:00)
-  11.3.5 Log File Management Facts
-  11.3.6 Configure Logging on pfSense
-  11.3.7 Auditing Device Logs on a Cisco Switch (3:58)
-  11.3.8 Auditing Device Logs on a Cisco Switch
-  11.3.9 Practice Questions

11.4 Monitoring














-  11.4.1 Network Monitoring (4:01)
-  11.4.2 Protocol Analyzers (3:46)
-  11.4.3 View Event Logs (5:17)
-  11.4.4 Use Wireshark to Sniff Traffic (6:47)
-  11.4.5 Monitor Utilization (7:12)
-  11.4.6 Monitor Interface Statistics (5:09)
-  11.4.7 Configure Netflow on pfSense (3:23)
-  11.4.8 Monitor Throughput with iperf (3:58)
-  11.4.9 Network Monitoring Facts
-  11.4.10 Environmental Monitoring (8:25)
-  11.4.11 Environmental Monitoring Facts
-  11.4.12 Practice Questions

11.5 Organization Policies










-  11.5.1 Plans and Procedures (5:49)

-  11.5.2 Plans and Procedure Facts
-  11.5.3 Security Policies (4:14)
-  11.5.4 Security Policy Facts
-  11.5.5 Documentation and Agreements (8:41)
-  11.5.6 Documentation and Agreements Facts
-  11.5.7 Practice Questions






11.6 Redundancy and High Availability

-  11.6.1 High Availability (7:35)
-  11.6.2 Redundancy Solutions (3:09)
-  11.6.3 Redundancy and High Availability Facts
-  11.6.4 Power Management (11:37)
-  11.6.5 Power Management Facts
-  11.6.6 Configure UPS Settings (5:38)
-  11.6.7 Hardware Clustering (7:53)
-  11.6.8 Set Up NIC Teaming (3:09)
-  11.6.9 Configure NIC Teaming
-  11.6.10 Configure Linux Network Bonding (8:02)
-  11.6.11 NIC Teaming Facts
-  11.6.12 Configure a Load Balancing Server (6:12)
-  11.6.13 Practice Questions











11.7 Data Backup and Storage

-  11.7.1 Data Backups (10:16)
-  11.7.2 Backup Storage Options (3:23)
-  11.7.3 Data Backup and Storage Facts
-  11.7.4 Configure a NAS for Data Backups (5:15)
-  11.7.5 Implementing File Backups (7:42)
-  11.7.6 Back Up Files with File History
-  11.7.7 Recover Files (3:37)
-  11.7.8 Recover a File from File History
-  11.7.9 Practice Questions











11.8 Remote Management

-  11.8.1 Remote Management (7:18)
-  11.8.2 Use Remote Desktop (10:05)
-  11.8.3 Allow Remote Desktop Connections
-  11.8.4 Remote Management Facts
-  11.8.5 Practice Questions





12.1 Security Concepts

-  12.1.1 Security Concepts (7:39)
-  12.1.2 Security Concepts Facts
-  12.1.3 Configure Permissions (9:39)
-  12.1.4 Secure Protocols (8:03)
-  12.1.5 Scan for Unsecure Protocols (4:52)
-  12.1.6 Secure Protocol Facts
-  12.1.7 Defense in Depth (9:40)
-  12.1.8 Defense in Depth Facts
-  12.1.9 Configure a Honeypot (3:24)
-  12.1.10 Practice Questions







12.2 Risk Management

-  12.2.1 Risk Management (6:54)
-  12.2.2 Risk Management Facts
-  12.2.3 Penetration Testing (2:41)
-  12.2.4 Penetration Testing Facts
-  12.2.5 Security Information and Event Management (4:35)
-  12.2.6 Security Information and Event Management Facts
-  12.2.7 Vulnerability Assessment (5:10)
-  12.2.8 Conduct a Vulnerability Scan (3:17)
-  12.2.9 Vulnerability Assessment Facts
-  12.2.10 Practice Questions

12.3 Physical Security











-  12.3.1 Physical Security (8:14)
-  12.3.2 Physical Security Facts
-  12.3.3 Implement Physical Security
-  12.3.4 Practice Questions

12.4 Social Engineering















-  12.4.1 Social Engineering (9:13)
-  12.4.2 Social Engineering Facts
-  12.4.3 Use the Social Engineer Toolkit (4:25)
-  12.4.4 Investigating a Social Engineering Attack (6:31)
-  12.4.5 Respond to Social Engineering Exploits
-  12.4.6 Practice Questions

12.5 Network Threats and Attacks

-  12.5.1 Malware (10:55)








-  12.5.2 Malware Facts
-  12.5.3 Denial of Service (DoS) (6:33)
-  12.5.4 Launch a DoS and DDoS Attack (5:44)
-  12.5.5 Denial of Service
-  12.5.6 Password Attacks (7:26)
-  12.5.7 Crack Passwords (8:03)
-  12.5.8 Crack Password Protected Files (3:22)
-  12.5.9 Password Attack Facts
-  12.5.10 Crack a Password with John the Ripper
-  12.5.11 Practice Questions

12.6 Spoofing Attacks

-  12.6.1 Session and Spoofing Attacks (8:15)
-  12.6.2 Session and Spoofing Attack Facts
-  12.6.3 Poison ARP (5:44)
-  12.6.4 Poison ARP and Analyze with Wireshark
-  12.6.5 Poison DNS (6:18)
-  12.6.6 Poison DNS
-  12.6.7 Use SMAC to Spoof MAC Addresses (3:46)
-  12.6.8 Perform an On-Path DHCP Attack (6:57)
-  12.6.9 Perform a DHCP Spoofing On-Path Attack
-  12.6.10 Detect a Rogue DHCP Server (5:54)
-  12.6.11 Set Up DHCP Snooping (1:45)
-  12.6.12 Configure DHCP Snooping
-  12.6.13 Respond to Network Attacks (4:24)
-  12.6.14 Practice Questions







13.0 HARDENING AND UPDATE MANAGEMENT

13.1 Network Hardening











-  13.1.1 Network Hardening Techniques (8:06)
-  13.1.2 Network Hardening Techniques Facts
-  13.1.3 View Windows Services (5:15)
-  13.1.4 Disable Network Service
-  13.1.5 View Linux Services (4:16)
-  13.1.6 Enable and Disable Linux Services
-  13.1.7 Practice Questions

13.2 Authentication







-  13.2.1 Authentication (10:35)

-  13.2.2 Authentication Facts
-  13.2.3 Authentication Protocols (11:13)
-  13.2.4 Authentication Issues (4:15)
-  13.2.5 Digital Certificates (5:26)
-  13.2.6 Authentication Protocol Facts
-  13.2.7 Practice Questions

13.3 Hardening Authentication





-  13.3.1 Hardening Authentication (12:05)
-  13.3.2 Configure Multifactor Authentication (3:11)
-  13.3.3 Configure Windows User Account Restrictions (4:21)
-  13.3.4 Configuring Account Policies and UAC Settings (6:07)
-  13.3.5 Configure Account Password Policies
-  13.3.6 Manage Linux Users (8:00)
-  13.3.7 Linux User Commands and Files Facts
-  13.3.8 Change Your Linux Password
-  13.3.9 Change a User's Linux Password
-  13.3.10 Practice Questions

13.4 Update Management






-  13.4.1 Update Deployment and Management (5:39)
-  13.4.2 Configure an Update Server (7:31)
-  13.4.3 Update Firmware (3:06)
-  13.4.4 Update Firmware
-  13.4.5 Update Deployment and Management Facts
-  13.4.6 Practice Questions

14.0 NETWORK OPTIMIZATION AND TROUBLESHOOTING














14.1 Optimization

-  14.1.1 Optimization (7:59)
-  14.1.2 Network Segmentation (11:05)
-  14.1.3 Optimization Facts
-  14.1.4 Practice Questions

14.2 General Network Issues





-  14.2.1 Troubleshooting Methodology (9:47)
-  14.2.2 Troubleshooting Methodology Facts
-  14.2.3 Common Network Issues (14:07)
-  14.2.4 Common Network Issues Facts
-  14.2.5 Practice Questions

14.3 Troubleshooting Utilities







-  14.3.1 Command Line Troubleshooting Utilities (12:01)
-  14.3.2 Command Line Troubleshooting Utility Facts
-  14.3.3 Use TCPDump (5:42)
-  14.3.4 TCPDump Facts
-  14.3.5 Software Troubleshooting Utilities (8:14)
-  14.3.6 Software Troubleshooting Utilities Facts
-  14.3.7 Troubleshoot with Wireshark (7:53)
-  14.3.8 Use Wireshark to Troubleshoot Network Issues (4:24)
-  14.3.9 Troubleshoot with Wireshark
-  14.3.10 Wireshark Facts
-  14.3.11 Scan Network with Angry IP Scanner (4:07)
-  14.3.12 Scan Network with Zenmap (3:24)
-  14.3.13 Practice Questions

A.0 TESTOUT NETWORK PRO - PRACTICE EXAMS

A.1 Prepare for TestOut Network Pro Certification







-  A.1.1 Pro Exam Objectives
-  A.1.2 Pro Objectives by Course Section
-  A.1.3 How to take the Pro Exam
-  A.1.4 Pro Exam FAQs

A.2 TestOut Network Pro Domain Review





-  A.2.1 Network Pro Domain 1: Hardware
-  A.2.2 Network Pro Domain 2: Configuration
-  A.2.3 Network Pro Domain 3: Management
-  A.2.4 Network Pro Domain 4: Security
-  A.2.5 Network Pro Domain 5: Troubleshooting
-  A.3 TestOut Network Pro Certification Practice Exam

B.0 COMPTIA NETWORK+ N10-008 PRACTICE EXAMS







B.1 Prepare for CompTIA Network+ Certification

-  B.1.1 CompTIA Network+ N10-008 Objectives
-  B.1.2 CompTIA Network+ N10-008 Objectives by Course Section
-  B.1.3 How to take the Network+ N10-008 Exam
-  B.1.4 Network+ N10-008 Exam FAQs
-  B.1.5 Hints and Tips for taking the Network+ N10-008 Exam
-  B.1.6 Why Certify

B.2 CompTIA Network+ N10-008 Practice Exams (20 Questions)

-  B.2.1 Network+ Domain 1: Networking Fundamentals
-  B.2.2 Network+ Domain 2: Network Implementations
-  B.2.3 Network+ Domain 3: Network Operations
-  B.2.4 Network+ Domain 4: Network Security
-  B.2.5 Network+ Domain 5: Network Troubleshooting

B.3 CompTIA Network+ N10-008 Practice Exams (All Questions)

-  B.3.1 Network+ Domain 1: Networking Fundamentals
 -  B.3.2 Network+ Domain 2: Network Implementations
 -  B.3.3 Network+ Domain 3: Network Operations
 -  B.3.4 Network+ Domain 4: Network Security
 -  B.3.5 Network+ Domain 5: Network Troubleshooting
-  B.4 CompTIA Network+ N10-008 Certification Practice Exam