DIGITERATI
India's First IT Finishing School

TestOut®

TestOut Network Pro

COURSE OUTLINE

Powered by LABSIM

TestOut Network Pro Outline - English 5.0.x

- Videos: 130 (17:10:34)
- Demonstrations: 78 (8:46:21)
- Simulations: 88
- Fact Sheets: 136
- Exams: 99

CONTENTS:

0.0 INTRODUCTION

0.1 Network Pro Introduction

- 0.1.1 Network Pro Introduction (3:35)

0.2 Use the Simulator

- 0.2.1 Use the Simulator (10:59)
- 0.2.2 Explore a Single Location in a Lab
- 0.2.3 Explore Multiple Locations in a Lab

1.0 NETWORKING BASICS

1.1 Networking Overview

- 1.1.1 Introduction to Networking (5:23)
- 1.1.2 Network Types (7:47)
- 1.1.3 Networking Terms (10:58)
- 1.1.4 Networking Facts
- 1.1.5 Practice Questions

1.2 Network Topologies

- 1.2.1 Network Topologies (7:09)
- 1.2.2 Topology Facts
- 1.2.3 Practice Questions

1.3 The OSI Model

- 1.3.1 The OSI Model (3:01)
- 1.3.2 OSI Model Facts
- 1.3.3 OSI Model Layers (7:56)

- 1.3.4 OSI Model Communications (3:14)
- 1.3.5 OSI Layers Facts
- 1.3.6 Practice Questions

1.4 Network Protocols

- 1.4.1 TCP/IP Protocol Suite (7:57)
- 1.4.2 Common Network Services (8:14)
- 1.4.3 Explore Network Services (7:58)
- 1.4.4 Common TCP/IP Protocols
- 1.4.5 Practice Questions

1.5 Numbering Systems

- 1.5.1 Numbering Systems (8:39)
- 1.5.2 Numbering System Facts
- 1.5.3 Practice Questions

2.0 CABLES AND CONNECTORS

2.1 Twisted Pair

- 2.1.1 Twisted Pair (11:25)
- 2.1.2 Twisted Pair Facts
- 2.1.3 Connect to an Ethernet Network
- 2.1.4 Practice Questions

2.2 Coaxial

- 2.2.1 Coaxial (4:54)
- 2.2.2 Coaxial Cable Facts
- 2.2.3 Connect a Cable Modem
- 2.2.4 Practice Questions

2.3 Fiber Optic

- 2.3.1 Fiber Optic (10:52)
- 2.3.2 Fiber Optic Facts
- 2.3.3 Connect Fiber Optic Cables
- 2.3.4 Practice Questions

2.4 Wiring Implementation

- 2.4.1 Twisted Pair Cable Construction (9:58)
- 2.4.2 Cable Construction Facts
- 2.4.3 Wiring Distribution (5:15)
- 2.4.4 Use Punchdown Blocks (5:31)
- 2.4.5 Wiring Distribution Facts

- 2.4.6 Connect Patch Panel Cables 1
- 2.4.7 Connect Patch Panel Cables 2
- 2.4.8 Practice Questions

2.5 Troubleshoot Network Media

- 2.5.1 Troubleshoot Copper Wiring Issues (13:52)
- 2.5.2 Copper Wiring Troubleshooting Facts
- 2.5.3 Troubleshoot Fiber Optic Wiring Issues (7:30)
- 2.5.4 Fiber Optic Wiring Troubleshooting Facts
- 2.5.5 Troubleshooting Tools (6:08)
- 2.5.6 Troubleshooting Tools Facts
- 2.5.7 Practice Questions

3.0 NETWORKING DEVICES

3.1 Network Adapters

- 3.1.1 Network Adapters (8:34)
- 3.1.2 Network Adapter Facts
- 3.1.3 Select and Install a Network Adapter
- 3.1.4 Connect a Media Converter
- 3.1.5 Practice Questions

3.2 Network Devices

- 3.2.1 Network Devices (10:10)
- 3.2.2 Network Connection Device Facts
- 3.2.3 Install a Hub
- 3.2.4 Select a Networking Device
- 3.2.5 Practice Questions

3.3 Internetwork Devices

- 3.3.1 Internetwork Devices (6:28)
- 3.3.2 Internetwork Device Facts
- 3.3.3 Select a Router
- 3.3.4 Practice Questions

4.0 ETHERNET

4.1 Ethernet

- 4.1.1 Ethernet Architecture (8:20)
- 4.1.2 Ethernet Facts
- 4.1.3 Practice Questions

4.2 Ethernet Specifications

- 4.2.1 Ethernet Specifications (6:26)
- 4.2.2 Ethernet Specifications Facts
- 4.2.3 Reconnect to an Ethernet Network
- 4.2.4 Practice Questions

4.3 Connect Network Devices

- 4.3.1 Connect Devices (7:38)
- 4.3.2 Device Connection Facts
- 4.3.3 Connect Network Devices
- 4.3.4 Practice Questions

4.4 Troubleshoot Physical Connectivity

- 4.4.1 Troubleshoot the Physical Network Topology (6:55)
- 4.4.2 Physical Network Topology Troubleshooting Facts
- 4.4.3 Troubleshoot the Link Status (6:24)
- 4.4.4 Link Status Troubleshooting Facts
- 4.4.5 Explore Physical Connectivity
- 4.4.6 Troubleshoot Physical Connectivity 1
- 4.4.7 Troubleshoot Physical Connectivity 2
- 4.4.8 Troubleshoot Physical Connectivity 3
- 4.4.9 Troubleshoot Physical Connectivity 4
- 4.4.10 Practice Questions

5.0 IP CONFIGURATION

5.1 IP Addressing

- 5.1.1 IP Addresses (10:43)
- 5.1.2 IP Address Facts
- 5.1.3 Subnets (12:13)
- 5.1.4 Subnet Facts
- 5.1.5 Variable Length Subnet Mask (VLSM) Facts
- 5.1.6 IP Address Assignment (6:42)
- 5.1.7 Configure IP Addresses
- 5.1.8 Configure IP Addresses on Mobile Devices
- 5.1.9 IP Address Assignment Facts
- 5.1.10 Practice Questions

5.2 APIPA and Alternate Addressing

- 5.2.1 APIPA (4:03)
- 5.2.2 Set Up Alternate Addressing (3:53)

- 5.2.3 Configure Alternate Addressing
- 5.2.4 APIPA and Alternate IP Addressing Facts
- 5.2.5 Practice Questions

5.3 DHCP Server Configuration

- 5.3.1 DHCP Server (10:37)
- 5.3.2 Configure a DHCP Server
- 5.3.3 DHCP Options (4:17)
- 5.3.4 Configure DHCP Options
- 5.3.5 Create DHCP Exclusions
- 5.3.6 Create DHCP Client Reservations
- 5.3.7 Configure Host Addressing (2:24)
- 5.3.8 Configure a DHCP Client
- 5.3.9 DHCP Configuration Facts
- 5.3.10 Practice Questions

5.4 DHCP Relay

- 5.4.1 Configure DHCP Relay (5:50)
- 5.4.2 DHCP Relay Facts
- 5.4.3 Configure a DHCP Relay Agent
- 5.4.4 Add a DHCP Server on Another Subnet
- 5.4.5 Practice Questions

5.5 DNS Name Resolution

- 5.5.1 DNS (12:53)
- 5.5.2 Configure DNS (11:34)
- 5.5.3 DNS Facts
- 5.5.4 Configure DNS Addresses
- 5.5.5 Create Standard DNS Zones
- 5.5.6 Create Host Records
- 5.5.7 Create CNAME Records
- 5.5.8 Troubleshoot DNS Records
- 5.5.9 Practice Questions

5.6 IP Version 6

- 5.6.1 IP Version 6 (9:27)
- 5.6.2 IPv6 Facts
- 5.6.3 IPv6 Address Type Facts
- 5.6.4 IPv4 to IPv6 Migration
- 5.6.5 IPv6 Address Assignment (11:06)
- 5.6.6 Configure IPv6 Addresses (9:33)

- 5.6.7 Configure a DHCP6 Server (4:59)
- 5.6.8 IPv6 Address Assignment Facts
- 5.6.9 Configure an IPv6 Address
- 5.6.10 Practice Questions

5.7 Multicast

- 5.7.1 Multicast (6:24)
- 5.7.2 Multicast Facts
- 5.7.3 Practice Questions

5.8 Troubleshoot IP Configuration Issues

- 5.8.1 IP Configuration Troubleshooting (12:07)
- 5.8.2 Use ipconfig (6:46)
- 5.8.3 Use ifconfig (4:12)
- 5.8.4 Ipconfig Utility Facts
- 5.8.5 Explore IP Configuration
- 5.8.6 Troubleshoot IP Configuration 1
- 5.8.7 Troubleshoot IP Configuration 2
- 5.8.8 Troubleshoot IP Configuration 3
- 5.8.9 Practice Questions

5.9 Troubleshoot IP Communications

- 5.9.1 Network Communication Troubleshooting (7:18)
- 5.9.2 Use ping and tracert (9:26)
- 5.9.3 Network Communication Troubleshooting Facts
- 5.9.4 Use arp and netstat (8:32)
- 5.9.5 arp and netstat Facts
- 5.9.6 Use tcpdump (5:41)
- 5.9.7 tcpdump Facts
- 5.9.8 Explore Network Communications
- 5.9.9 Practice Questions

5.10 Troubleshoot Name Resolution

- 5.10.1 Name Resolution Troubleshooting (4:11)
- 5.10.2 Name Resolution Troubleshooting Facts
- 5.10.3 Use nslookup (9:13)
- 5.10.4 Explore nslookup
- 5.10.5 Practice Questions

6.0 SWITCH MANAGEMENT

6.1 Switch Access

- 6.1.1 Device Access (4:14)
- 6.1.2 Use the Command Line Interface (CLI) (7:23)
- 6.1.3 Device Connection Facts
- 6.1.4 Practice Questions

6.2 Switch IP Configuration

- 6.2.1 IP Address and Default Gateway Configuration (3:29)
- 6.2.2 Switch IP Configuration Facts
- 6.2.3 Configure Management VLAN Settings
- 6.2.4 Configure Switch IP Settings
- 6.2.5 Practice Questions

6.3 Switch Interface Configuration

- 6.3.1 Switch Operations (7:08)
- 6.3.2 Switch Forwarding Facts
- 6.3.3 Switch Configuration Overview (3:31)
- 6.3.4 Configure Switch Interfaces (5:48)
- 6.3.5 Switch Configuration Mode Facts
- 6.3.6 Switch Configuration Command List
- 6.3.7 Configure Switch Ports
- 6.3.8 Practice Questions

6.4 Virtual LANs

- 6.4.1 VLAN Overview (5:26)
- 6.4.2 VLAN Facts
- 6.4.3 Configure VLANs (6:26)
- 6.4.4 VLAN Command List
- 6.4.5 Create VLANs
- 6.4.6 Explore VLANs
- 6.4.7 Practice Questions

6.5 Trunking

- 6.5.1 Access and Trunk Ports (8:40)
- 6.5.2 Trunking (3:19)
- 6.5.3 Trunking Facts
- 6.5.4 Trunking Command List
- 6.5.5 Configure Trunking
- 6.5.6 Native VLAN (6:06)
- 6.5.7 Configure the Native VLAN
- 6.5.8 Configure Allowed VLANs

- 6.5.9 Practice Questions

6.6 Spanning Tree Protocol

- 6.6.1 Spanning Tree Protocol (7:17)
- 6.6.2 Configure STP (2:42)
- 6.6.3 Select a Root Bridge (3:21)
- 6.6.4 STP Facts
- 6.6.5 Configure the Root Bridge
- 6.6.6 Configure Rapid PVST+
- 6.6.7 Find STP Info
- 6.6.8 Configure EtherChannels (8:14)
- 6.6.9 EtherChannel Facts
- 6.6.10 Practice Questions

6.7 Switch Troubleshooting

- 6.7.1 Switch Troubleshooting (12:38)
- 6.7.2 Switch Troubleshooting Facts
- 6.7.3 Practice Questions

7.0 ROUTING

7.1 Routing Basics

- 7.1.1 Routing (10:03)
- 7.1.2 Routing Facts
- 7.1.3 Practice Questions

7.2 Routing Protocols

- 7.2.1 Routing Protocol Characteristics (12:40)
- 7.2.2 Routing Protocol Characteristics Facts
- 7.2.3 Routing Protocols (5:20)
- 7.2.4 Routing Protocol Facts
- 7.2.5 High Availability (6:19)
- 7.2.6 Configure Routing (11:01)
- 7.2.7 Configure Static Routes
- 7.2.8 Enable OSPF Routing
- 7.2.9 Practice Questions

7.3 Network Address Translation

- 7.3.1 Network Address Translation (9:53)
- 7.3.2 Configure NAT from the CLI (8:41)
- 7.3.3 Configure NAT on an NSA (5:16)

- 7.3.4 Configure Port Forwarding (6:07)
- 7.3.5 NAT Facts
- 7.3.6 Practice Questions

7.4 Routing Troubleshooting

- 7.4.1 Routing Troubleshooting (13:52)
- 7.4.2 Troubleshoot Routing (5:59)
- 7.4.3 Troubleshoot Routing Facts
- 7.4.4 Find Path Information 1
- 7.4.5 Find Path Information 2
- 7.4.6 Practice Questions

8.0 FIREWALLS

8.1 Firewalls

- 8.1.1 Firewalls (3:15)
- 8.1.2 Firewall Types (11:14)
- 8.1.3 Firewall Facts
- 8.1.4 Common Ports
- 8.1.5 Configure Windows Firewall (4:06)
- 8.1.6 Configure Linux iptables (4:02)
- 8.1.7 Linux iptable Facts
- 8.1.8 Configure a Host Firewall
- 8.1.9 Practice Questions

8.2 Security Appliances

- 8.2.1 All-in-One Security Appliances (3:33)
- 8.2.2 Security Solution Facts
- 8.2.3 Network Security Appliance Access (7:02)
- 8.2.4 Configure Network Security Appliance Access
- 8.2.5 Practice Questions

8.3 Firewall Design and Implementation

- 8.3.1 Firewall Network Design Principles (10:09)
- 8.3.2 Configure a Perimeter Firewall (9:52)
- 8.3.3 Firewall ACLs (9:29)
- 8.3.4 Create Firewall ACLs (6:04)
- 8.3.5 Configure a DMZ
- 8.3.6 Configure a Perimeter Firewall
- 8.3.7 Configure a Proxy Server (6:47)
- 8.3.8 Firewall Design and Configuration Facts

- 8.3.9 Practice Questions

9.0 NETWORK CUSTOMIZATION

9.1 Network-Based Storage

- 9.1.1 Storage Area Networks (10:42)
- 9.1.2 Configure an iSCSI SAN (5:54)
- 9.1.3 Configure an iSCSI Target
- 9.1.4 Configure an iSCSI Initiator
- 9.1.5 SAN Facts
- 9.1.6 Network Attached Storage (6:41)
- 9.1.7 Configure a NAS Device (7:45)
- 9.1.8 NAS Facts
- 9.1.9 Practice Questions

9.2 Voice over IP (VoIP)

- 9.2.1 Voice over IP (VoIP) (11:13)
- 9.2.2 VoIP Facts
- 9.2.3 Configure VoIP 1
- 9.2.4 Configure VoIP 2
- 9.2.5 Practice Questions

9.3 Virtualization

- 9.3.1 Virtualization Overview (10:51)
- 9.3.2 Create a Virtual Machine (3:28)
- 9.3.3 Virtualization Facts
- 9.3.4 Practice Questions

9.4 Virtual Networking

- 9.4.1 Virtual Networking Implementations (6:04)
- 9.4.2 Virtual Network Devices (7:08)
- 9.4.3 Configure Virtual Network Devices (3:04)
- 9.4.4 Virtualization Implementation Facts
- 9.4.5 Virtual Networking Facts
- 9.4.6 Practice Questions

9.5 Cloud Computing

- 9.5.1 Cloud Computing Overview (12:07)
- 9.5.2 Cloud Computing Facts
- 9.5.3 Practice Questions

10.0 WIRELESS NETWORKING

10.1 Wireless Concepts

- 10.1.1 Radio Frequency Wireless (8:06)
- 10.1.2 Wireless Architecture (7:50)
- 10.1.3 Wireless Architecture Facts
- 10.1.4 Wireless Infrastructure Facts
- 10.1.5 Practice Questions

10.2 Wireless Standards

- 10.2.1 Wireless Standards (13:22)
- 10.2.2 Infrared (3:33)
- 10.2.3 Bluetooth (4:28)
- 10.2.4 Configure Bluetooth Connections (5:25)
- 10.2.5 Wireless Standards Facts
- 10.2.6 Practice Questions

10.3 Wireless Configuration

- 10.3.1 Wireless Network Configuration (9:30)
- 10.3.2 Wireless Configuration Tasks
- 10.3.3 Configure Wireless Networks (9:47)
- 10.3.4 Create a Home Wireless Network
- 10.3.5 Secure a Home Wireless Network
- 10.3.6 Configure Wireless Profiles
- 10.3.7 Practice Questions

10.4 Wireless Network Design

- 10.4.1 Wireless Network Design (7:02)
- 10.4.2 Site Survey (7:17)
- 10.4.3 Wireless Antenna Types (6:10)
- 10.4.4 Wireless Network Design Facts
- 10.4.5 Conduct a Wireless Survey (4:39)
- 10.4.6 Wireless Site Survey Facts
- 10.4.7 Design an Indoor Wireless Network
- 10.4.8 Design an Outdoor Wireless Network
- 10.4.9 Practice Questions

10.5 Wireless Network Implementation

- 10.5.1 Enterprise Wireless Equipment (7:46)
- 10.5.2 Configure Enterprise Wireless Networks (8:10)
- 10.5.3 Enterprise Wireless Facts

- 10.5.4 Implement an Enterprise Wireless Network
- 10.5.5 Practice Questions

10.6 Wireless Security

- 10.6.1 Wireless Security (8:44)
- 10.6.2 Wireless Security Facts
- 10.6.3 Wireless Attacks (9:39)
- 10.6.4 Wireless Attack Facts
- 10.6.5 Secure a Wireless Network (13:26)
- 10.6.6 Secure an Enterprise Wireless Network
- 10.6.7 Practice Questions

10.7 Wireless Troubleshooting

- 10.7.1 Wireless Communications Troubleshooting (11:34)
- 10.7.2 Troubleshoot Wireless Connections (6:23)
- 10.7.3 Wireless Network Troubleshooting Facts
- 10.7.4 Optimize Wireless Networks (7:26)
- 10.7.5 Optimize a Wireless Network
- 10.7.6 Explore Wireless Network Problems
- 10.7.7 Troubleshoot Wireless Network Problems
- 10.7.8 Practice Questions

11.0 WIDE AREA NETWORKS (WANS)

11.1 WAN Concepts

- 11.1.1 WAN Structure (5:14)
- 11.1.2 WAN Technologies (10:02)
- 11.1.3 WAN Services (10:29)
- 11.1.4 WAN Media Facts
- 11.1.5 WAN Facts
- 11.1.6 WAN Services Facts
- 11.1.7 Practice Questions

11.2 WAN Connections

- 11.2.1 PPP WAN Connections (3:01)
- 11.2.2 Set Up a PPP WAN Link (3:22)
- 11.2.3 PPP WAN Connection Facts
- 11.2.4 Configure a PPP WAN Link
- 11.2.5 Practice Questions

11.3 Internet Connectivity

- 11.3.1 Traditional Internet Connectivity (13:15)
- 11.3.2 Mobile Internet Connectivity (8:09)
- 11.3.3 Internet Services Facts
- 11.3.4 Connect to a DSL Network
- 11.3.5 Practice Questions

11.4 Remote Access

- 11.4.1 Remote Access (15:04)
- 11.4.2 Remote Access Facts
- 11.4.3 Configure a Remote Access Server (9:51)
- 11.4.4 Configure a RADIUS Solution (7:35)
- 11.4.5 Practice Questions

11.5 WAN Troubleshooting

- 11.5.1 WAN Troubleshooting (8:46)
- 11.5.2 Troubleshoot WAN Issues (8:02)
- 11.5.3 WAN Troubleshooting Facts
- 11.5.4 Practice Questions

12.0 NETWORK POLICIES AND PROCEDURES

12.1 Network Design, Documentation, and Policies

- 12.1.1 Organization Policies and Procedures (3:43)
- 12.1.2 Network Design (8:50)
- 12.1.3 Network Design Facts
- 12.1.4 Network Documentation (8:38)
- 12.1.5 Network Documentation Facts
- 12.1.6 Asset Management (7:19)
- 12.1.7 Asset Management Facts
- 12.1.8 Practice Questions

12.2 Risk Management

- 12.2.1 Risk Management (3:04)
- 12.2.2 Risk Management Facts
- 12.2.3 Business Continuity (2:28)
- 12.2.4 Business Continuity Facts
- 12.2.5 Incident Response Facts
- 12.2.6 Practice Questions

12.3 Security Policies

- 12.3.1 Security Policies (14:05)

- 12.3.2 Security Policy Facts
- 12.3.3 Third-Party Integration Policies and Documents (8:55)
- 12.3.4 Third-Party Integration Facts
- 12.3.5 Practice Questions

13.0 NETWORK SECURITY

13.1 Physical Security

- 13.1.1 Physical Security (10:19)
- 13.1.2 Physical Security Facts
- 13.1.3 Implement Physical Security
- 13.1.4 Practice Questions

13.2 Social Engineering

- 13.2.1 Social Engineering (11:08)
- 13.2.2 Social Engineering Facts
- 13.2.3 Identify Social Engineering Exploits (8:06)
- 13.2.4 Respond to Social Engineering Exploits
- 13.2.5 Practice Questions

13.3 Network Vulnerabilities and Threats 1

- 13.3.1 Malware (10:55)
- 13.3.2 Malware Facts
- 13.3.3 Denial of Service (DoS) (4:44)
- 13.3.4 Perform a UDP Flood Attack (4:09)
- 13.3.5 DoS Attack Facts
- 13.3.6 Session and Spoofing Attacks (5:11)
- 13.3.7 Perform ARP Poisoning (7:42)
- 13.3.8 Session and Spoofing Attack Facts
- 13.3.9 Practice Questions

13.4 Network Vulnerabilities and Threats 2

- 13.4.1 Switch Attacks (5:43)
- 13.4.2 Switch Attack Facts
- 13.4.3 Password Attacks (6:22)
- 13.4.4 Crack Passwords (8:22)
- 13.4.5 Password Attack Facts
- 13.4.6 Web Attacks (4:39)
- 13.4.7 Web Attack Facts
- 13.4.8 Practice Questions

13.5 Authentication

- 13.5.1 Authentication (10:34)
- 13.5.2 Authentication Facts
- 13.5.3 Authentication Protocols (11:11)
- 13.5.4 Digital Certificates (5:24)
- 13.5.5 Authentication Protocol Facts
- 13.5.6 Practice Questions

13.6 Secure Protocols

- 13.6.1 Secure Protocols (8:02)
- 13.6.2 Add SSL to a Website (4:29)
- 13.6.3 Secure Protocol Facts
- 13.6.4 Practice Questions

13.7 Remote Access Security

- 13.7.1 Virtual Private Networks (VPNs) (10:26)
- 13.7.2 VPN Facts
- 13.7.3 Set Up a VPN Connection (5:54)
- 13.7.4 Configure a VPN Connection
- 13.7.5 Configure a Mobile Device VPN Connection
- 13.7.6 Practice Questions

13.8 Troubleshoot Network Security Issues

- 13.8.1 Resolve Network Security Issues (8:46)
- 13.8.2 Respond to Network Attacks (3:00)
- 13.8.3 Authentication Issues (4:14)
- 13.8.4 Security Troubleshooting Facts
- 13.8.5 Practice Questions

14.0 NETWORK HARDENING

14.1 Detection and Prevention

- 14.1.1 Intrusion Detection and Prevention (4:22)
- 14.1.2 Configure an IDS/IPS (5:58)
- 14.1.3 Security Information and Event Management (4:20)
- 14.1.4 Intrusion Detection and Prevention Facts
- 14.1.5 Configure Intrusion Prevention
- 14.1.6 Enable Wireless Intrusion Prevention
- 14.1.7 Vulnerability Assessment (4:23)
- 14.1.8 Vulnerability Assessment Facts
- 14.1.9 Practice Questions

14.2 Penetration Testing

- 14.2.1 Penetration Testing (2:38)
- 14.2.2 Penetration Testing Facts
- 14.2.3 Explore Penetration Testing Tools (18:19)
- 14.2.4 Practice Questions

14.3 Network Hardening

- 14.3.1 Network Hardening Techniques (12:04)
- 14.3.2 Switch Port Security (8:39)
- 14.3.3 Switch Port Security Facts
- 14.3.4 Configure Switch Port Security (3:48)
- 14.3.5 Configure Port Security
- 14.3.6 Network Access Control (6:50)
- 14.3.7 Configure NAC (14:03)
- 14.3.8 NAC Facts
- 14.3.9 Practice Questions

15.0 NETWORK MANAGEMENT

15.1 Update Management

- 15.1.1 Update Deployment and Management (7:32)
- 15.1.2 Configure an Update Server (7:22)
- 15.1.3 Update Deployment and Management Facts
- 15.1.4 Practice Questions

15.2 Data Protection

- 15.2.1 Data Backups (9:48)
- 15.2.2 Protect Data (4:58)
- 15.2.3 Recover Files from Backup (4:04)
- 15.2.4 Workstation Backup Facts
- 15.2.5 Server Backup Facts
- 15.2.6 Configure a Data Backup
- 15.2.7 Configure a Server Backup
- 15.2.8 Practice Questions

15.3 Remote Management

- 15.3.1 Remote Management (9:07)
- 15.3.2 Use Remote Desktop (10:48)
- 15.3.3 Allow Remote Desktop Connections
- 15.3.4 Remote Management Facts
- 15.3.5 Practice Questions

15.4 Mobile Device Management

- 15.4.1 Mobile Device Management (10:20)
- 15.4.2 Enroll Mobile Devices (4:54)
- 15.4.3 Configure Mobile Device Policies (12:20)
- 15.4.4 Set Up a Guest Network for BYOD (6:03)
- 15.4.5 Create a Guest Network for BYOD
- 15.4.6 Mobile Device Management Facts
- 15.4.7 Practice Questions

15.5 Data Center Management

- 15.5.1 Network Device Installation (7:38)
- 15.5.2 Power Management (11:36)
- 15.5.3 Configure UPS Settings (10:25)
- 15.5.4 Power Management Facts
- 15.5.5 Environmental Monitoring (7:10)
- 15.5.6 Environmental Monitoring Facts
- 15.5.7 Practice Questions

15.6 Monitoring

- 15.6.1 Network Monitoring (7:11)
- 15.6.2 Protocol Analyzers (2:37)
- 15.6.3 View Event Logs (4:03)
- 15.6.4 Use a Packet Sniffer (7:14)
- 15.6.5 Monitor Utilization (8:19)
- 15.6.6 Monitor Interface Statistics (5:07)
- 15.6.7 Network Monitoring Facts
- 15.6.8 Practice Questions

15.7 Log File Management

- 15.7.1 Log File Management (5:33)
- 15.7.2 Configure a Syslog Server (3:19)
- 15.7.3 Log File Management Facts
- 15.7.4 Practice Questions

15.8 Network Management with SNMP

- 15.8.1 Network Management (5:12)
- 15.8.2 Configure an SNMP System (2:36)
- 15.8.3 SNMP Facts
- 15.8.4 Practice Questions

16.0 NETWORK OPTIMIZATION

16.1 Optimization

- 16.1.1 Optimization (7:58)
- 16.1.2 Network Segmentation (10:12)
- 16.1.3 Optimization Facts
- 16.1.4 NIC Teaming Concepts (4:49)
- 16.1.5 Set Up NIC Teaming (3:32)
- 16.1.6 Configure NIC Teaming
- 16.1.7 NIC Teaming Facts
- 16.1.8 Practice Questions

16.2 Troubleshooting Methodology

- 16.2.1 Troubleshooting Methodology (6:09)
- 16.2.2 Troubleshooting Methodology Facts
- 16.2.3 Troubleshooting Utilities (9:29)
- 16.2.4 Troubleshooting Utility Facts
- 16.2.5 Practice Questions

A.0 NETWORK PRO PRACTICE EXAMS

A.1 Preparing for Network Pro Certification

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

A.2 Network Pro Question Review (62 Lab Simulations)

- A.2.1 Network Pro Domain 1: Networking Hardware, 17 Lab Simulations
- A.2.2 Network Pro Domain 2: Network Device Configuration, 24 Lab Simulations
- A.2.3 Network Pro Domain 3: Network Management, 6 Lab Simulations
- A.2.4 Network Pro Domain 4: Network Security, 7 Lab Simulations
- A.2.5 Network Pro Domain 5: Network Troubleshooting, 8 Lab Simulations
- A.3 Network Pro Certification Practice Exam

B.0 NETWORK+ PRACTICE EXAMS

B.1 Preparing for Network+ Certification

- B.1.1 Network+ Exam Objectives
- B.1.2 Network+ Exam Objectives by Course Section
- B.1.3 Exam FAQs
- B.1.4 How to Register for an Exam

B.1.5 Exam-taking Hints and Tips

B.1.6 Why Certify?

B.2 Network+ Domain Practice (20 Random Questions)

B.2.1 Network+ Domain 1: Networking Concepts, 20 Random Questions

B.2.2 Network+ Domain 2: Infrastructure, 20 Random Questions

B.2.3 Network+ Domain 3: Network Operations, 20 Random Questions

B.2.4 Network+ Domain 4: Network Security, 20 Random Questions

B.2.5 Network+ Domain 5: Network Troubleshooting and Tools, 20 Random Questions

B.3 Network+ Question Review (950 Questions)

B.3.1 Network+ Domain 1: Networking Concepts, 336 Questions

B.3.2 Network+ Domain 2: Infrastructure, 201 Questions

B.3.3 Network+ Domain 3: Network Operations, 115 Questions

B.3.4 Network+ Domain 4: Network Security, 201 Questions

B.3.5 Network+ Domain 5: Network Troubleshooting and Tools, 97 Questions

B.4 Network+ Certification Practice Exam