

N10-008 CompTIA Net+, Part 4 of 7: Network Implementation

page 1

Meet the expert: Patrick Loner has certifications for MCSA, MCSE, MCITP, A+, Network+, Security+, and more. He has been working as a Microsoft Certified Trainer, network administrator, and network consultant for over ten years. He has over a decade of experience working with and teaching about Windows networks with client and server operating systems. He has guided many students toward Microsoft and CompTIA certifications. Most recently, he has worked as a freelance trainer and network consultant specializing in Windows Server 2008 and Microsoft Exchange 2007 and Exchange 2010 implementations, design, and upgrades. Patrick continues to branch out now working with and training on Windows Server 2012, Windows 8, Exchange 2013, and System Center Configuration Manager 2012.

Prerequisites: This course assumes the user has some experience with computer hardware, software, and understands the concept of a computer network.

Runtime: 02:25:47

Course description: This course is a part of the CompTIA Net+ body of knowledge focusing on the N10-008 Exam. This course covers Network Services, Wireless Implementations, Remote access as well as Cloud and Virtualization.

Course outline:

Network Services

- Introduction
- Introduce DHCP
- DHCP Leases
- Lease Renewal
- DHCP Server Placement
- DHCP Servers
- Types of Names
- Demo: Configuring DHCP
- Introduction to DNS
- DNS Components
- Resource Records
- Name Resolution Process
- Types of Queries
- Demo: Configuring DNS
- Summary

Wireless Implementations

- Introduction
- Wireless Networking Fundamentals
- Types of Wireless
- Wireless Networking Components
- Wireless Modes
- Wireless Devices
- Wireless Networking Standards
- 802.11 Standards
- Enhancing Wireless Performance
- Wired Equivalent Privacy
- Wifi Protected Access
- 802.1X

- Demo: Configuring Security Options
- Planning Wireless Networks
- Choosing Antennas
- Wireless Channels
- Site Surveys
- Other Considerations
- Demo: configure Access Point
- Summary

Remote Access

- Introduction
- Introduction to Remote Networking
- Remote Node
- Remote Desktop
- Demo: Configure Remote Control
- Understanding Authentication
- CHAP and MS-CHAP
- EAP and other Authentication Protocols
- Radius
- TACACS+
- What is a VPN
- VPN Tunnel Types
- Encapsulation
- VPN Components
- Encryption Types
- VPN Concentrators
- VPN Protocols
- Demo: Create and Configure VPN Connections
- Summary

Cloud and Virtualization

- Introduction

- What is Virtualization
- Virtualization Benefits
- Virtual Machine Hosts
- Virtualization and Cloud Computing
- Demo: Virtualization Platforms
- Virtualization Components
- Demo: Create and Configure Virtual Machines
- Virtual Devices and Networks
- Demo: Working in the Cloud
- Summary