CompTIA NET+ Cert, Part 07 of 17: Remote Networking[replaced]

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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. The user should have viewed CompTIA NET+ Cert: LAN and WAN Infrastructure before taking this course.

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Course description: ** this course is updated for current certification N10-008 with parts 1 through 7 starting at https://www.learnnowonline.com/course/npe**

In this course we'll discuss different types of remote networking. Remote networking increases flexibility and mobility and as such is a big part of today's network infrastructures. You'll learn that there are two basic types of remote networking, remote node and remote control. Remote node is implemented through the use of dial-up and or VPN connections and extends the network to the remote device allowing that device to access resources after authenticating itself and being authorized to do so. Remote control on the other hand allows the remote control of a computer and is as if I were sitting in front of the computer. Both are very beneficial in different situations. You will learn the various aspects of a VPN connection, its authentication mechanisms and protocols so that you are now familiar with the most common method of connecting machines remotely to the corporate network.

Course outline:

Remote Network Architecture
- Introduction
- Remote Networking
- Remote Access Networking
- Remote Desktop Control
- Benefits of Remote Control
- RAS Servers
- RADIUS
- Remote Control Protocols
- Demo: Utilizing Remote Controls
- Demo: Remote Desktop
- Demo: Options
- Demo: Configure
- Summary

Remote Access Networking Implementation
- Introduction
- Remote Access Protocols
- PPP
- PPP (Cont.)
- PPP Variants
- Remote Access Authentication
- Web-Based Remote Access
- Summary

Virtual Private Networking
- Introduction
- VPNs
- Tunneling
- VPN Types
- VPN Types (Cont.)
- Advantages of VPNs
- VPN Data Encryption
- VPN Concentrators
- VPN Connection Models
- VPN Connection Models (Cont.)
- PAP
- CHAP
- The Challenge-Response Process
- TACACS+
- TACACS+ (Cont.)
- PPTP
- L2TP
- Summary