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: Parts 1 through 12 of the CompTIA NET+ series

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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**

Focusing on Domain 1.0 of the CompTIA NET+ Certification Exam N10-006, this course will explore the key differences from the previous version of the exam (N10-005) as well as updated and expanded content. In addition to covering installing and configuring network services and apps, network infrastructure installations, IPv6 and routing concepts, this course will also discuss unified communications and cloud and virtual computing technologies.

Course outline:

Overview of Network Architecture
• Introduction
• Objective Overview
• Additions and Modifications
• Summary

Network Services and Apps
• Introduction
• Install and Configue Network Services and Apps
• DHCP Lease Process
• Lease Renewal
• Scopes
• Summary

Network Infrastructure
• Introduction
• Understand Network Infrastructure Implementation
• Network Types
• Summary

Address Schemes
• Introduction
• Implement and Configure Address Schemes
• IPv6 Address Space
• IPv6 Address Types
• Summary

Routing Protocol Concepts
• Introduction
• Explain Basic Routing Protocol Concepts
• Interior and Exterior Routing Protocols
• High Availability
• Virtual Router Redundancy Protocol

• Summary

Unified Communications
• Introduction
• Basic Elements of Unified Communications
• Unified Communications Components
• Unified Communications Technologies
• Summary

Virtualization and Cloud Computing
• Introduction
• Virtualization and Cloud Computing
• Virtualization Benefits
• Virtualization Components
• Storage
• Storage Area Networks
• Cloud Computing
• Server-Based Infrastructure Problems
• Cloud Models
• Cloud Services Models
• Summary