CompTIA NET+ Cert 007 Update, Part 1 of 5: Network Concepts

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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: CompTIA NET+ Cert, Part 01 through 17. This material covered the previous N10-005 and N10-006 exams, the bulk of which is still the foundation of CompTIA NET+, and should be known or reviewed before watching this course.

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Course description: This course is an update to the previous CompTIA Net+ body of knowledge focusing on the changes for the N10-007 Exam. The previous 17 part course covers material that should be reviewed or known before watching this course.

This course covers the Networking Concepts Domain. It will go over the OSI Reference Model, protocols, changes in routing and switching, cloud concepts and purposes as well as the function of network services.

Course outline:

Overview Networking Concepts Domain
- Introduction
- Overview Networking Concepts Domain
- Basic Network Theory
- Concepts 1.1 to 1.5
- Concepts 1.6 to 1.8
- Summary

OSIRM Ports and Protocols
- Introduction
- Ports and Protocols
- Importance for exam
- Protocol Ports
- Summary

Routing and Switching
- Introduction
- Routing and Switching
- Software Defined Networking
- Summary

Configure IP Addressing
- Introduction
- Configure IP Addressing
- Classless vs Classful
- Summary

Network Types and Topologies
- Introduction
- Network Types and Topologies
- IOT Technologies
- Wireless Technology
- Summary

Cloud Concepts and Purposes
- Introduction
- Cloud Concepts and Purposes
- Delivery Models
- Summary

Function of Network Services
- Introduction
- Network Services
- NTP
- Summary