Microsoft Networking with Windows Server 2016, Part 4 of 9: DNS

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: there are no prerequisites

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Course description: This course begins with the basics of name resolution. Each system on the network has to have a valid IP address. Instead of remembering www.google.com you'd have to remember the IP address, which is why name resolution is important for humans to more easily remember user friendly names. Finally DNS will be covered.

Course outline:

Name Resolution Basics
- Introduction
- Name Resolution Basics
- What is DNS?
- DNS Namespace
- Types of Names
- Internet Name Resolution
- DNS Components
- DNS Zones and Resource Records
- Installing the DNS Server
- Demo: Installing the DNS Server
- Summary

Creating and Configuring DNS Zones
- Introduction
- Creating and Configuring DNS Zones
- Resource Records
- Zone Types
- Replicating Zones
- Demo: Create DNS Zones
- Demo: Zone Transfers
- Demo: DNS Refresh
- Summary

Standard DNS Name Resolution
- Introduction
- Standard DNS Name Resolution
- Modifying DNS Name Resolution
- Working with DNS Cache
- Demo: Cache
- Demo: Forwarders
- Understanding Domain Delegation
- Demo: Creating a Subdomain
- Demo: Domain Delegation
- Summary