



DNS Installation, Configuration & Advanced Concepts

Course ISI-1507 Two Days Instructor-led, Hands-on

Introduction

This two-day, instructor-led course provides students with hands-on instruction and practice installing and configuring DNS

Prerequisites

Before attending this course, students should attend course 10967, Fundamentals of a Windows Server Infrastructure or have the following skills and knowledge:

- An understanding of networking fundamentals.
- An understanding of basic Active Directory concepts.
- An awareness and understanding of security best practices.
- Basic knowledge of server hardware.
- Experience working with and configuring Windows client operating systems.
- Experience with Windows Server operating system

Student Materials

The student kit includes a comprehensive workbook and other necessary materials for this class.

Course Outline

Module 1: Implementing DNS (Foundational Information)

Lessons

- Name Resolution for Windows Clients and Servers
- Installing a DNS Server
- Managing DNS Zones

Lab

- Implementing DNS

Module 2: Configuring and Troubleshooting Domain Name System

Lessons

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- Installing the DNS Server Role
- Configuring the DNS Server Role
- Configuring DNS Zones
- Configuring DNS Zone Transfers
- Managing and Troubleshooting DNS

Lab

- Configuring and Troubleshooting DNS
- Module Review and Takeaways

Module 3: Non AD integrated DNS info

Lessons

- Implementing DNS servers
- Configuring zones in DNS
- Configuring name resolution between DNS zones

Lab:

- Planning and implementing name resolution by using DNS

Lesson

- Configuring DNS integration with AD DS

Lab

- Integrating DNS with AD DS

Lesson

- Configuring advanced DNS settings

Lab

- Configuring advanced DNS settings

Module 4: Implementing and administering AD DS sites and replication

Lessons

- Overview of AD DS replication
- Configuring AD DS sites
- Configuring and monitoring AD DS replication

Lab

- Implementing AD DS sites and replication



Module 5: Review of All Active Directory Specific Resource Records Including Domain and Site DNS AD Service Record types.

Lessons

- What's new in DNS Server 2016
- DNS Records that are required for proper functionality of Active Directory

Module 6: SRV Records Registered by Net Logon

Lessons

- Configure DNS Information for Active Directory
- Best Practices for Active Directory-Integrated DNS
- DNS HELL: THE SEVEN DEADLY SINS
- DNS Server Troubleshooting: 3 Free Tools