

20410: Installing and Configuring Windows Server 2012 Boot Camp

Course Details

Course Outline

1. Module 1: Deploying and Managing Windows Server 2012

- Installing Windows Server 2012 R2
- Post-Installation Configuration of Windows Server 2012 R2
- Overview of Windows Server 2012 R2 Management
- Introduction to Windows PowerShell
- Lab : Deploying and Managing Windows Server 2012 R2

2. Module 2: Introduction to Active Directory Domain Services

- Overview of AD DS
- Overview of Domain Controllers
- Installing a Domain Controller
- Lab : Installing Domain Controllers

3. Module 3: Managing Active Directory Domain Services Objects

- Managing User Accounts
- Managing Groups
- Managing Computer Accounts
- Delegating Administration
- Lab : Managing Active Directory Domain Services Objects

4. Module 4: Automating Active Directory Domain Services Administration

- Using Command-line Tools for AD DS Administration
- Using Windows PowerShell for AD DS Administration
- Performing Bulk Operations with Windows PowerShell
- Lab : Automating AD DS Administration by Using Windows PowerShell

5. Module 5: Implementing IPv4

- Overview of TCP/IP
- Understanding IPv4 Addressing
- Subnetting and Supernetting
- Configuring and Troubleshooting IPv4
- Lab : Implementing IPv4

6. Module 6: Implementing Dynamic Host Configuration Protocol

- Installing a DHCP Server Role
- Configuring DHCP Scopes
- Managing a DHCP Database
- Securing and Monitoring DHCP
- Lab : Implementing DHCP

7. Module 7: Implementing DNS

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

8. Module 8: Implementing IPv6

- Overview of IPv6
- IPv6 Addressing
- Coexistence with IPv4
- IPv6 Transition Technologies
- Lab : Implementing IPv6

9. Module 9: Implementing Local Storage

- Overview of Storage
- Managing Disks and Volumes
- Implementing Storage Spaces
- Lab : Implementing Local Storage

10. Module 10: Implementing File and Print Services

- Securing Files and Folders
- Protecting Shared Files and Folders by Using Shadow Copies
- Configuring Work Folders
- Configuring Network Printing
- Lab : Implementing File and Print Services

11. Module 11: Implementing Group Policy

- Overview of Group Policy
- Group Policy Processing
- Implementing a Central Store for Administrative Templates
- Lab : Implementing Group Policy

12. Module 12: Securing Windows Servers Using Group Policy Objects

- Windows Operating Systems Security Overview
- Configuring Security Settings
- Restricting Software
- Configuring Windows Firewall with Advanced Security
- Lab : Increasing Security for Server Resources
- Lab : Configuring AppLocker and Windows Firewall

13. Module 13: Implementing Server Virtualization with Hyper-V

- Overview of Virtualization Technologies
- Implementing Hyper-V
- Managing Virtual Machine Storage
- Managing Virtual Networks
- Lab : Implementing Server Virtualization with Hyper-V