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Syllabus - MCSE Training

Section 1 : Deploying and managing Windows Server 2012

- Windows Server 2012 Overview
- Overview of Windows Server 2012 Management
- Installing Windows Server 2012
- Configuration after installation of Windows Server 2012
- Introduction to Windows PowerShell

Section 2 : Introduction to Active Directory Domain Services

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

Section 3 : Active Directory manages domain service objects

- Managing user accounts
- Group accounts are managed
- Manages computer accounts
- Authorizes administration

Section 4 : Automating the Administration of Active Directory Domain Services

- Command-line tools are used for administration
- Windows PowerShell is used for administration
- Bulk operations are performed using Windows PowerShell

Section 5 : Implementing IPv4

- Review of TCP / IP
- Understanding the IPv4 Address
- Subnetting and Supernating
- Configuring and Fixing IPv4

Section 6 : Implementing DHCP

- Installing a DHCP Server Role
- Configuring DHCP Scopes
- Maintains a DHCP database
- DHCP is secured and monitored

Section 7 : Implementing the DNS

- Name resolution for Windows client and servers
- Installs and manages a DNS server
- Manages DNS zones

Section 8 : Implementing IPv6

- Overview of IPv6
- IPv6 address
- Correlation with IPv6
- IPv6 Transition Technologies

Section 9 : Implements local storage

- Overview of procurement
- Handles disks and volumes
- Implementing storage spaces

Section 10 : Performs file and print services

- Secures files and folders
- Shadow protects shared files and folders using copies
- Configuring network printing

Section 11 : Implementing group policy

- Review of Group Policy
- Group Policy Processing
- Implementing a central store for administrative templates

Section 12 : Secures Windows servers using group policy objects

- Windows Security Overview
- Configuring security settings
- Software is managed
- Configuring the Windows Firewall with Advanced Security

Section 13 : Server virtualization is implemented using Hyper-V

- Review of Virtualization Technologies
- Implementing Hyper-V

- Controls virtual machine storage
- Managing Virtual Networks

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