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MCSA Syllabus

Deploying and Managing Windows Server 2012

Windows Server 2012 Overview

Overview of Windows Server 2012 Management

Installing Windows Server 2012

Post-Installation Configuration of Windows Server 2012

Introduction to Windows PowerShell

Introduction to Active Directory Domain Services

Overview of AD DS

Overview of Domain Controllers

Installing a Domain Controller

Managing Active Directory Domain Services Objects

Managing User Accounts

Head Office

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Managing Group Accounts

Managing Computer Accounts

Delegating Administration

Implementing IPv4

Overview of TCP/IP

Understanding IPv4 Addressing

Subnetting and Supernetting

Configuring and Troubleshooting IPv4

Implementing DHCP

Installing a DHCP Server Role

Configuring DHCP Scopes

Managing a DHCP Database

Securing and Monitoring DHCP

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Implementing DNS

Name Resolution for Windows Client and Servers

Installing and Managing a DNS Server

Managing DNS Zones

Implementing Local Storage

Overview of Storage

Managing Disks and Volumes

Implementing Storage Spaces

Implementing File and Print Services

Securing Files and Folders

Protecting Shared Files and Folders Using Shadow Copies

Configuring Network Printing

Implementing Group Policy

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Overview of Group Policy

Group Policy Processing

Implementing a Central Store for Administrative Templates

Securing Windows Servers Using Group Policy Objects

Windows Security Overview

Configuring Security Settings

Restricting Software

Configuring Windows Firewall with Advanced Security

Implementing Server Virtualization with Hyper-V

Overview of Virtualization Technologies

Implementing Hyper-V

Managing Virtual Machine Storage

Managing Virtual Networks

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Deploying and Maintaining Server Images

Overview of Windows Deployment Services

Implementing Deployment with Windows Deployment Services

Administering Windows Deployment Services

Configuring and Troubleshooting Domain Name System

Installing the DNS Server Role

Configuring the DNS Server Role

Configuring DNS Zones

Configuring DNS Zone Transfers

Managing and Troubleshooting DNS

Maintaining Active Directory Domain Services

Overview of AD DS

Implementing Virtualized Domain Controllers

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Implementing RODC

Administering AD DS

Managing the AD DS Database

Managing User and Service Accounts

Automating User Account Management

Configuring Password-Policy and User-Account Lockout Settings

Configuring Managed Service Accounts

Implementing a Group Policy Infrastructure

Kick start Group Policy

Achieve and Administrate Group Policy Objects (GPOs)

Group Policy Scope and Processing

Fix the Application of GPOs

Managing User Desktops with Group Policy

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Implementing Administrative Templates

Configuring Folder Redirection and Scripts

Configuring Group Policy Preferences

Managing Software with Group Policy

Installing, Configuring, and Troubleshooting the Network Policy Server Role

Installing and Configuring a NPS

Configuring Remote Authentication Dial-In User Service (RADIUS) Clients and Servers

NPS Authentication Methods

Monitoring and Troubleshooting a NPS

Implementing Network Access Protection

Overview of Network Access Protection

Overview of NAP Enforcement Processes

Configuring NAP

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Monitoring and Troubleshooting NAP

Optimizing File Services

Overview of FSRM

Using FSRM to Manage Quotas, File Screens, and Storage Reports

Implementing Classification and File Management Tasks

Overview of Distributed File System (DFS)

Configuring DFS Namespaces

Configuring and Troubleshooting Distributed File System Replication (DFS-R)

Implementing Update Management

Overview of WSUS

Deploying Updates with WSUS

Monitoring Windows Server 2012

Monitoring Tools

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[Using Performance Monitor](#)

[Monitoring Event Logs](#)

Implementing Distributed Active Directory Domain Services Deployments

[Overview of Distributed AD DS Deployments](#)

[Overview of Distributed AD DS Deployments](#)

[Configuring AD DS Trusts](#)

Implementing Active Directory Domain Services Sites and Replication

[Overview of AD DS Replication](#)

[Configuring AD DS Sites](#)

[Configuring and Monitoring AD DS Replication](#)

Implementing Network Load Balancing

[Overview of NLB](#)

[Configuring an NLB Cluster](#)

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[Planning an NLB Implementation](#)

Implementing Failover Clustering

[Overview of Failover Clustering](#)

[Implementing a Failover Cluster](#)

[Configuring Highly Available Applications and Services on a Failover Cluster](#)

[Maintaining a Failover Cluster](#)

[Implementing a Multi-Site Failover Cluster](#)

Implementing Failover Clustering with Hyper-V

[Overview of Integrating Hyper-V with Failover Clustering](#)

[Implementing Hyper-V Virtual Machines on Failover Clusters](#)

[Implementing Hyper-V Virtual Machine Movement](#)

Implementing Disaster Recovery

[Overview of Disaster Recovery](#)

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Implementing Windows Server Backup

Implementing Server and Data Recovery



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