



MCSA SERVER

Installing and configuring Windows 10 (70 - 698)

Windows 10 Overview and Installing

- Introducing Windows 10
- Features of Windows 10 and versions
- Preparing to install windows 10
- Activating windows 10
- User management

Managing Disks and Devices Drivers

- Managing Disks
- Partitions and Volumes
- Maintaining Disks Partitions and volumes
- Creating Virtual Disk using GUI and CUI
- Working with Virtual Hard Disk
- Installing and Configuring Device Drives

Manage Network and storage resources

- Manage network connections
- Folder and Permission
- Network Drive
- Configure windows firewall
- Configure windows defender

Securing Windows 10

- Configure update options
- Backup and Restore Point
- Backup Data to One drive

Windows 10 Virtualization

- Pre-requisites in windows 10
- Enabling Virtualization in the BIOS
- Setting Up Hyper-V

Configuring Remote Desktop

- Configuring Remote Desktop

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Installation, Storage and Compute with Windows Server 2016 (70 - 740)

Installing, Upgrading and migrating servers and workloads

- Introducing Windows Server 2016
- Preparing and installing Nano Server and Server Core
- Preparing for upgrades and migrations
- Migrating server roles and workloads

Configuring Local Storage

- Managing disks in Windows Server
- Managing volumes in Windows Server
- Configuring local storage

Implementing enterprise storage solution

- Overview of DAS, NAS, and SANs
- Comparing Fibre Channel, iSCSI, and Fibre Channel over Ethernet
- Understanding iSNS, DCB, and MPIO
- Configuring sharing in Windows Server 2016

Implementing storage spaces and Data Deduplication

- Implementing Storage Spaces
- Managing Storage Spaces
- Implementing Storage Spaces
- Implementing Data Deduplication

Installing and configuring Hyper V and Virtual Machines

- Overview of Hyper-V
- Installing Hyper-V
- Configuring storage on Hyper-V host servers
- Configuring networking on Hyper-V host servers
- Managing virtual machines
- Defining levels of availability
- Planning high availability and disaster recovery solutions with Hyper-V virtual machines
- Backing up and restoring by using Windows Server Backup
- High availability with failover clustering in Windows Server 2016

Implementing failover clustering

- Implementing failover clustering
- Planning a failover cluster
- Creating and configuring a new failover cluster
- Maintaining a failover cluster
- Troubleshooting a failover cluster
- Implementing site high availability with stretch clustering

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Implementing failover clustering with Windows Server 2016 Hyper-V

- Overview of the integration of Hyper-V Server 2016 with failover clustering
- Implementing Hyper-V VMs on failover clusters
- Key features for VMs in a clustered environment

Creating and managing deployment images

- Introduction to deployment images
- Creating and managing deployment images by using MDT
- Virtual machine environments for different workloads

Implementing Network Load balancing

- Overview of NLB
- Configuring an NLB cluster
- Planning an NLB implementation

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Managing, monitoring, and maintaining virtual machine installations

- WSUS overview and deployment options
- Update management process with WSUS
- Implementing WSUS and deploying updates
- Overview of Windows Power Shell DSC
- Overview of Windows Server 2016 monitoring tools
- Using Performance Monitor
- Monitoring event logs

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Networking with Windows server 2016 (70 - 741)

Planning and implementing an IPv4 network

- Planning IPv4 addressing
- Planning an IPv4 network
- Managing and troubleshooting IPv4 network connectivity

Implementing DHCP

- Overview of the DHCP server role
- Deploying DHCP
- Managing and troubleshooting DHCP

Implementing IPv6

- Overview of IPv6 addressing
- Configuring an IPv6 host
- Implementing IPv6 and IPv4 coexistence

Implementing DNS

- Implementing DNS servers
- Configuring zones in DNS
- Configuring name resolution between DNS zones
- Configuring DNS integration with AD DS
- Integrating DNS with AD DS
- Configuring advanced DNS settings

Implementing and managing IPAM

- Overview of IPAM
- Managing IP address spaces by using IPAM

Remote access in Windows Server 2016

- Overview of remote access
- Web Application Proxy

Implementing VPNs

- Planning VPNs
- Implementing VPNs

Implementing networking for branch offices

- Networking features and considerations for branch offices
- Implementing DFS for branch offices
- Implementing DFS for branch offices

Configuring advanced networking features

- Overview of high-performance networking features
- Configuring advanced Hyper-V networking features

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Identity with Windows Server 2016 (70 - 742):

Installing and configuring domain controllers

- Overview of AD DS
- Overview of AD DS domain controllers
- Deploying a domain controller

Managing objects in AD DS

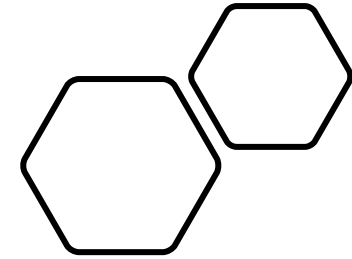
- Managing user accounts
- Managing groups in AD DS
- Managing computer objects in AD DS
- Managing AD DS objects
- Using Windows PowerShell for AD DS administration
- Implementing and managing OUs

Advanced AD DS infrastructure management

- Overview of advanced AD DS deployments
- Deploying a distributed AD DS environment
- Configuring AD DS trusts

Maintaining Active Directory Domain Service

- Overview of ADDS
- Implementing RODC
- Administrating ADDS
- Managing the ADDS Database



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Implementing and administering AD DS sites and replication

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

Managing user settings with Group Policy

- Implementing administrative templates
- Configuring Folder Redirection, Software Installation, and Scripts
- Configuring Group Policy preferences

Implementing Group Policy

- Introducing Group Policy
- Implementing and administering GPOs
- Group Policy scope and Group Policy processing
- Implementing a Group Policy infrastructure

Managing User and service Accounts

- Automating user Account Management
- Configure Password-Policy and User-Account Lockout Settings,
- Configuring Managed Service Accounts

Deploying and managing AD CA

- Deploying CAs
- Administering CAs
- Troubleshooting and maintaining CAs
- Deploying and managing certificate templates

Implementing and administering AD FS

- Overview of AD FS
- AD FS requirements and planning

Implementing and administering AD RMS

- Overview of AD RMS

Implementing AD DS synchronization with Microsoft Azure AD

- Planning and preparing for directory synchronization
- Implementing directory synchronization by using Azure AD Connect
- Managing identities with directory synchronization

Monitoring, managing, and recovering AD DS

- Monitoring AD DS
- Managing the Active Directory database
- Active Directory backup and recovery options for AD DS and other identity and access solutions.

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Thank You..!