

Hybrid Server Pro I: Core (V1)

Competency Assessment Objectives

Active Directory Domain Services

Manage Active Directory

- Integrate AD DS, Azure AD, and Azure AD DS
- Create and delete organizational units (OUs)
- Create computer accounts
- Deploy and manage Domain Controllers in Azure
- Manage a Read Only Domain Controller (RODC)
- Manage sites, subnets, and site links
- Create forest root, cross-forest, external, shortcut, and realm trusts

Implement user accounts

- Create user accounts
- Manage user accounts
- Configure and manage AD DS passwords
- Configure user rights
- Enforce User Account Control (UAC)

Implement groups

- Create global groups
- Create a distribution group
- Change the group scope
- Implement a group strategy
- Configure restricted groups
- Implement Azure AD Connect Cloud Sync
- Configure intrasite replication

- Configure intersite replication

Manage Flexible Single-Master Operation (FSMO) roles and global catalog services

- Configure global catalog servers
- Transfer RID and PDC masters
- Transfer infrastructure masters
- Troubleshoot operations masters
- Enable Universal Group Membership Caching (UGMC)

Manage Group Policy objects (GPOs)

- Create and link a GPO
- Create a starter GPO
- Implement Group Policy in Azure AD DS
- Configure a password replication policy

Deploy software using group policy

- Deploy desktop shortcuts
- Configure AppLocker

Manage group policies

- Delegate administrative control
- Configure power options in a GPO

Manage security policies

- Configure security options
- Configure audit policies

Windows Server File and Storage Services

Manage Windows Server

- Install and Configure the File Server role
- Add server endpoints

- Configure and manage Azure Storage Spaces

Implement Azure Arc

- Use Azure Arc to manage Windows Servers
- Use Azure Arc to assign an Azure Policy Guest Configuration

Manage Disks and Volumes

- Create and manage volumes
- Manage Azure data disks
- Add Role Services for DFS and create a namespace

Manage Azure Files and Folders

- Create an Azure storage account and file share
- Configure Azure File Sync Service
- Manage Azure Sync Groups
- Register Azure File Sync servers

Manage Shares, Quotas, Caching, and Permissions

- Manage SMB share and NTFS permissions
- Remove inherited permissions
- Enable quota restrictions
- Create quota restrictions and modify quota limits
- Share a folder with a second name
- Manage share caching
- Configure share permissions

Virtualization

Manage Virtual Machines

- Create virtual machines
- Create virtual hard disks and volumes
- Create virtual switches

- Resize Azure virtual machines

Implement a Virtual Environment

- Manage IaaS Virtual Machines in Azure
- Configure connections to virtual machines
- Create parent and child virtual machines

Networking Services

Manage Networking

- Configure NIC teaming
- Manage Azure VM network configuration
- Manage IP Addressing
- Configure IP addresses
- Troubleshoot IP configuration
- Configure Alternate IP Addressing
- Configure an IPv6 Address

Implement Domain Name System (DNS)

- Create and configure DNS zones
- Create and configure DNS records
- Create or convert an Active Directory-Integrated Zone
- Configure DNS forwarders
- Configure DNSSEC
- Create a Root Zone
- Troubleshoot DNS records

Install and Configure DHCP

- Configure a DHCP server and options
- Configure DHCP scopes and options

- Configure DHCP exclusions and reservations
- Set up a DHCP Relay Agent
- Manage DHCP Failover
- Troubleshoot DHCP

Manage Remote Access

- Add the Routing and Remote Access Role
- Allow Remote Desktop Connections
- Configure RADIUS
- Configure a VPN server for remote access