

M55344A : Identity with Windows Server

Course Outline

Module 1: Installing and Configuring Domain Controllers

Overview:

- Features of AD DS
- Installing domain controllers (DCs)
- Considerations for deploying DCs

Lab: Deploying and administering AD DS

- Deploying AD DS and domain controllers
- Administering AD DS

After Completion:

- Understand AD DS components and roles
- Deploy and manage domain controllers

Module 2: Managing Objects in AD DS

Overview:

- Managing user accounts, groups, and computer objects
- Using Windows PowerShell for AD DS administration
- Implementing and managing Organizational Units (OUs)

Lab:

- Managing and configuring AD DS objects
- Delegating administration with PowerShell

After Completion:

- Manage accounts, groups, and objects in AD DS
- Use PowerShell effectively for administration tasks

Module 3: Advanced AD DS Infrastructure Management

Overview:

- Planning and implementing multiple domains and forests
- Configuring AD DS trusts

Lab: Domain and trust management in AD DS

- Implementing forest trusts and child domains

After Completion:

- Plan advanced AD DS deployments
- Deploy distributed AD DS environments and configure trusts

Module 4: Implementing and Administering AD DS Sites and Replication

Overview:

- Planning and implementing multi-location AD DS deployments
- Configuring and monitoring AD DS replication

Lab:

- Configuring sites and subnets
- Monitoring and troubleshooting replication

After Completion:

- Optimize authentication and replication traffic

- Monitor and troubleshoot AD DS replication

Module 5: Implementing Group Policy

Overview:

- Group Policy (GPO) framework and infrastructure
- Implementing and administering GPOs
- Troubleshooting GPO application

Lab:

- Configuring GPOs and managing their scope
- Troubleshooting GPO application issues

After Completion:

- Implement and manage GPOs effectively

Module 6: Managing User Settings with Group Policy

Overview:

- Configuring administrative templates, Folder Redirection, and scripts
- Group Policy preferences

Lab: Managing user settings with GPOs

- Implementing administrative templates and preferences

After Completion:

- Configure Folder Redirection and other settings via Group Policy

Module 7: Securing Active Directory Domain Services

Overview:

- Securing domain controllers, accounts, and passwords
- Implementing audit authentication and managed service accounts

Lab:

- Implementing security policies and configuring RODCs
- Managing service accounts

After Completion:

- Secure AD DS components and manage accounts securely

Module 8: Deploying and Managing Active Directory Certificate Services (AD CS)

Overview:

- Deploying and managing Certificate Authorities (CAs)
- Troubleshooting and maintaining CAs

Lab: Deploying and configuring a two-tier CA hierarchy

- Deploying offline root and subordinate CAs

After Completion:

- Deploy and manage CAs and troubleshoot certificate issues

Module 9: Deploying and Managing Certificates

Overview:

- Managing certificate templates, revocation, and recovery
- Implementing smart cards in business environments

Lab: Deploying and using certificates

After Completion:

- Deploy and manage certificates in AD DS environments

Module 10: Implementing and Administering Active Directory Federation Services (AD FS)

Overview:

- Planning and deploying AD FS for single and partner organizations
- Configuring Web Application Proxy

Lab: Implementing AD FS

- Configuring AD FS for internal and federated applications

After Completion:

- Deploy and configure AD FS and enable single sign-on (SSO)

Module 11: Implementing and Administering Active Directory Rights Management Services (AD RMS)

Overview:

- Deploying and managing AD RMS infrastructure
- Configuring AD RMS content protection

Lab: Implementing AD RMS

- Configuring templates and using AD RMS on clients

After Completion:

- Deploy and manage AD RMS for content protection

Module 12: Implementing AD DS Synchronization with Microsoft Azure AD

Overview:

- Directory synchronization between Azure AD and on-premises AD DS

Lab: Configuring directory synchronization

- Preparing for and managing Azure AD Connect

After Completion:

- Plan and configure directory synchronization

Module 13: Monitoring, Managing, and Recovering AD DS

Overview:

- Monitoring AD DS and managing the database
- Implementing backup and recovery options

Lab: Recovering objects in AD DS

- Backing up and restoring AD DS

After Completion:

- Monitor and maintain high availability for AD DS