

AZ-1008 Administer Active Directory Domain Services

Course description

This course is designed for IT professionals who want to develop and validate their skills in administering Active Directory Domain Services (AD DS) in Windows Server environments. Participants will learn how to deploy and manage domain controllers, configure Active Directory objects, implement and manage Group Policy, administer replication and operations masters, secure user accounts, and manage authentication. The course also covers Active Directory Certificate Services (AD CS), Organizational Units (OUs), delegation, and Active Directory sites and services, enabling administrators to effectively manage both on-premises and hybrid identity.

Activities

This course includes presentations, demonstrations, and Labs.

Course objectives

In this course, you will learn to:

- Deploy and manage Active Directory Domain Services domain controllers
- Create and manage Active Directory objects
- Create and configure Group Policy Objects in Active Directory
- Manage security in Active Directory

Intended audience

This Applied Skills course is intended for those who plan to explore Active Directory Domain Services and get to learn the benefits of hybrid identity management on Azure platform.

The learners will have opportunities to understand the topology of domain controllers within an Active Directory environment and get the flow of deploying, managing, and migrating a domain controller between servers. They will also get a deeper understanding of how active directory objects are managed and how the group object policies are applied on various objects within the active directory.

Prerequisites for the AZ-305 Exam Course

Knowledge of and experience working with:

- Windows Server.
- Core networking technologies.
- Basic PowerShell or Windows administration tools for managing server environments.

Course outline

Module1 Deploy and manage Active Directory Domain Services domain controllers

- Define Active Directory Domain Services.
- Define Active Directory Domain Services forests and domains.
- Deploy Active Directory Domain Services domain controllers.
- Migrate a domain controller to a new site.
- Manage Active Directory Domain Services operations masters.

Lab – In this lab, you will go through the major steps of creating, configuring, and maintaining a domain controller. You also could promote a domain controller.

Module 2 Create and manage Active Directory objects

- Define users, groups, and computers.
- Define organizational units.
- Manage objects and their properties in Active Directory.
- Create objects in Active Directory.
- Configure objects in Active Directory.
- Perform bulk management tasks for user accounts.
- Maintain Active Directory Domain Services domain controllers.

Lab – Promote a server to domain controller, transfer a FSMO role to the new domain controller, create a site, and add a subnet to the site.

Module 3 Create and configure Group Policy Objects in Active Directory

- Define Group Policy Objects.
- Implement Group Policy Object scope and inheritance.
- Define domain-based Group Policy Objects.

- Create and configure a domain-based Group Policy Object.
- Configure a domain password policy.
- Configure and apply a fine-grained password policy.

Lab -Create, configure, and apply Group Policy objects

- Update the domain password policy.
- Create a fine-grained password policy.
- Assign the FGPP to a group.
- Assign members to the group the FGPP was assigned to.

Module 4 Manage security in Active Directory

- Configure user account rights.
- Configure user account rights to restrict access.
- Delegate permissions in Active Directory.
- Protect User Accounts with the Protected Users group.
- Describe Windows Defender Credential Guard.
- Block Windows NTLM authentication
- Windows NTLM authentication.
- Locate problematic accounts.

Lab - Configure settings related to security including disabling NTLM authentication for domain accounts, auditing account management activity, and denying log on as a service for members of

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