

# AZ-1008: Administer Active Directory Domain Services

**Duration : 1 day**

The AZ-1008: Administer Active Directory Domain Services course is designed to equip IT professionals with the skills necessary to manage and secure Active Directory environments effectively. The course covers the deployment and management of Active Directory Domain Services (AD DS) domain controllers, creation and management of AD objects like users, groups, and organizational units, and the configuration of Group Policy Objects (GPOs) to enforce domain-wide policies. Participants will also learn to implement security measures, manage password policies, and delegate permissions to ensure the integrity and protection of the Active Directory environment.

In addition to theoretical knowledge, the course includes a hands-on guided project that allows learners to apply their skills in real-world scenarios. By the end of the course, participants will be well-prepared to handle the complexities of administering and securing Active Directory Domain Services, making them valuable assets in any organization that relies on AD DS for identity and access management.

## **Objectives**

- 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
- Administer Active Directory Domain Services

## **Target Audience**

- Network Administrator
- IT Administrator

## **Prerequisites**

### **Required:**

- Windows Server.
- Core networking technologies.

## **Course Outline**

### **1) 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

## **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

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- Perform bulk management tasks for user accounts
- Maintain Active Directory Domain Services domain controllers

## **3) Create and configure Group Policy Objects in Active Directory**

- Define Group Policy Objects
- Implement Group Policy Object scope and inheritance
- Define domainbased Group Policy Objects
- Create and configure a domainbased Group Policy Object
- Configure a domain password policy
- Configure and apply a finegrained password policy

## **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
- Locate problematic accounts

## **5) Guided project Administer Active Directory Domain Services**

- Configure Domain Controller Operations
- Configure User Management Operations

- Manage Password Policies
- Configure Security Settings
- Lab Configure domain controller operations
- Lab Configure user management operations
- Lab Manage password policies
- Lab Configure security settings