MS-AZ1008: ADMINISTER ACTIVE DIRECTORY DOMAIN SERVICES

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
1 Day	Intermediate	Azure	Instructor-led	NA

INTRODUCTION

This learning path helps prepare you for the APL-1008 Administer Active Directory Domain Services modern credential. You'll learn how to create, deploy, and maintain an Active Directory Domain Services environment.

AUDIENCE PROFILE

This course is designed for IT Administrators. Specifically, it targets those who are responsible for maintaining an on-premises Active Directory environment or those preparing to migrate an on-premises Active Directory environment to the cloud.

PREREQUISITES

Before attending this course, delegates must have Knowledge of and experience working with:

- Windows Server.
- Core networking technologies.

COURSE OBJECTIVES

After completing this course, delegates will be able to:

- Deploy and Manage Active Directory Domain Services (AD DS):
- Understand the topology of domain controllers.
- Deploy, manage, and migrate domain controllers.
- Define and Manage AD DS Forests and Domains:
- Create and manage Active Directory objects.
- Maintain AD DS domain controllers.
- Create and Configure Group Policy Objects (GPOs):
- Implement GPO scope and inheritance.
- Enforce domain-wide and fine-grained password policies.
- Maintain Security in an Active Directory Environment:
- Manage permissions and authentication methods.
- Protect user accounts and identify problematic accounts.

COURSE CONTENT

Module 1: Deploy and manage Active Directory Domain Services domain controllers
This module introduces you to the topology of domain controllers within an Active Directory environment. It also starts you down the path of deploying, managing, and migrating a domain controller between servers.
Lessons

- Introduction
- 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
- Knowledge check
- Summary

By the end of this module, you'll be able to:

- 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.

Module 2: Create and manage Active Directory objects
This module focuses on the tasks associated with creating and managing Active Directory objects and AD domain services domain controllers.
Lessons

- Introduction
- 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
- Knowledge check
- Summary

By the end of this module, you'll

be able to:

- 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.

Module 3: Create and configure Group Policy Objects in Active Directory

This module focuses on Group Policy objects, including using them to enforce a domain wide as well as fine-grained password policy.

Lessons

- Introduction
- 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

- Knowledge check
- Summary

By the end of this module, you'll

be able to:

- 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.

Module 4: Manage security in Active Directory

This module focuses on maintaining security in an Active Directory environment. It covers things from permissions management to authentication methods to identifying problematic accounts.

Lessons

- Introduction
- 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
- Knowledge check
- Summary

By the end of this module, you'll

be able to:

- 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.

Module 5: Guided project - Administer Active Directory Domain Services

This guided project helps prepare you to manage Active Directory Domain services, including creating and deploying domains, configuring group policy objects, establishing and enforcing passwords, and maintaining security of Active Directory.

Lessons

- Introduction
- Prepare
- Exercise - Configure domain controller operations
- Exercise - Configure user management operations
- Exercise - Manage password policies
- Exercise - Configure security settings
- Knowledge check
- Summary

By the end of this module, you'll

be able to:

- Configure Domain Controller Operations.
- Configure User Management Operations.
- Manage Password Policies.
- Configure Security Settings.

ASSOCIATED CERTIFICATIONS & EXAM

There is no Associated Certification & Exam for this course, however, there is an assessment to achieve your Applied Skills credential. (Link)