Administer Active Directory Domain Services - Applied Skills Workshop Training

Duration: **1 Day**

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Overview

This hands-on workshop provides learners with the practical knowledge required to deploy, administer, and secure Active Directory Domain Services (AD DS) within Windows Server environments. Through guided exercises and real-world scenarios, participants will develop the skills needed to manage domain controllers, Active Directory objects, Group Policies, and security configurations.

The course aligns with the Microsoft APL-1008 Administer Active Directory Domain Services Applied Skills credential.

Prerequisites

Participants should have:

- Experience working with Windows Server environments
- Familiarity with fundamental networking concepts
- Basic understanding of Active Directory Domain Services
- Introductory PowerShell knowledge

Who Should Attend

This course is designed for:

- IT professionals responsible for Active Directory administration
- System administrators managing enterprise infrastructure
- Network administrators seeking advanced directory service skills
- Technical teams involved in identity and access management

What You Will Learn

Upon completion of this workshop, learners will be able to:

- Deploy and administer Active Directory Domain Services domain controllers
- Manage users, groups, computers, and other AD DS objects
- Create and enforce Group Policy Objects (GPOs)
- Configure password policies and authentication settings
- Implement access controls and permission management
- Identify and mitigate security risks within Active Directory environments

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Outline

Introduction to Active Directory Domain Services

- AD DS architecture and core concepts
- Understanding domain controllers
- Forests, domains, and organizational units (OUs)
- Active Directory components and functionality

Deploying and Managing Domain Controllers

- Installing and configuring domain controllers
- Managing domain services
- Domain controller migration and maintenance
- Active Directory topology management

Managing Active Directory Objects

- Creating and administering user accounts
- Managing groups and memberships
- Configuring computer objects
- Working with object properties and attributes
- Bulk administration techniques

Group Policy Management

- Creating and linking Group Policy Objects
- Centralized security configuration
- Fine-grained password policy implementation
- GPO inheritance and processing
- Troubleshooting Group Policy issues

Securing Active Directory

- Managing permissions and access controls
- Authentication methods and security settings
- Encryption technologies within AD DS
- Identifying high-risk and problematic accounts
- Addressing common security vulnerabilities

Guided Hands-on Project

Participants will complete practical exercises covering:

- Domain deployment and configuration
- Active Directory object management
- Group Policy implementation
- Security administration and compliance