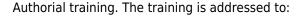


training code: Active Directory / ENG DL 5d / EN

Active Directory Services with Windows Server 2019/2025



- Administrator,
- HelpDesk
- IT specialist



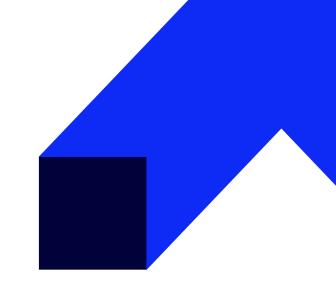
Training recipients

The training is addressed to:

- For IT professionals and identity administrators. This training is for people who are responsible for managing Active Directory infrastructure on Windows Server systems. Designed for professionals who want to acquire the skills needed to better manage and protect access to data and information, simplify the deployment and management of identity infrastructure, and ensure more secure data access, including configuring key Active Directory features, such as:
- Active Directory Domain Services (AD DS),
- Group Policy,
- Dynamic Access Control (DAC),
- Certificate Services,

Equivalent to the retired MS 10969 training – Active Directory Services with Windows Server. In particular, the course is intended for:

Information technology (IT) professionals who have basic experience with Active Directory Domain Services (AD DS) and are looking for a single course that will further develop their knowledge and skills using information access and protection technologies in Windows Server. AD DS administrators who want to further develop their skills in the latest access and information protection technologies in Windows Server, system or infrastructure administrators with general experience and knowledge of AD DS who want to build on this foundational knowledge and move to advanced Active Directory technologies in Windows Server.





- Rights Management Services (RMS),
- Federation Services (optional)
- and integration of the on-premises environment with cloud-based technologies such as Microsoft Entra ID.



Benefits

Gaining knowledge and practical skills in managing Active Directory Domain Services in Windows Server.

This includes getting acquainted with:

- Available identity management solutions.
- Deploying and administering AD DS on Windows Server.
- Securely deploying AD DS.
- Deploying and configuring AD DS sites and managing replication.
- Implementing and managing Group Policy.
- Managing user settings using Group Policy.
- Securing and ensuring access to data using technologies such as dynamic access control.
- Monitoring, troubleshooting, and ensuring business continuity of AD DS services.
- Implementing a certification authority hierarchy using AD CS and how to manage certification authorities.
- Deploying and managing AD RMS.
- Deploying and managing AD FS (optional)
- Microsoft Entry ID service fundamentals.

This course provides participants with the knowledge and skills to use Active Directory.

It is a counterpart to the discontinued MS 10969 - Active Directory Services with Windows Server course



Training program

1. 1: Introduction to AD DS in Windows Server

Active Directory Overview

What's New in Windows Server?

What's New in Active Directory?

AD DS Logical Architecture

AD DS Physical Architecture

AD DS Operations

2: Installing AD DS on Windows Server

Deploying AD DS

FSMO Master Operations



Deploying and Cloning Virtual Domain Controllers

Deploying Domain Controllers in Azure and Synchronizing with Entra ID

3: Administering AD DS

Graphical Administration Consoles

Command Line Tools

Managing Objects with Powershell

Common Administration Tasks

4: AD DS Replication

Overview of AD DS Replication

Configuring AD DS Sites

5: AD DS Security

Domain Controller Security

6: AD DS Monitoring and Recovery

Monitoring AD DS

Managing the AD DS Database

AD DS Backup and Recovery Options

7: Implementing GPO policies

Introduction to Group Policy

Implementing and Administering Group Policy Objects

Troubleshooting Group Policy Object Applications

8: Configuring the environment using Group Policy

Administrative Templates

Configuring Folder Redirection and Scripts

Software Installation

Configuring Group Policy Preferences

9: Dynamic Access Control Configuration

Implementing DAC Components

Configuring DAC

Implementing Access Denial Assistance

10: Deploying and Managing AD CS

Deploying the AD CS Role

Administering Certification Authorities

Managing Certificate Templates

Using Certificates in a Business Environment

11: Deploying and managing AD RMS

AD RMS Overview

Deploying and Managing AD RMS Infrastructure

Configuring AD RMS Content Protection

12: Deploying and managing AD FS (optional)

AD FS Overview

AD FS Deployment



13: Microsoft Entra ID
Microsoft Entra ID Overview
Managing Microsoft Entra ID Accounts
Syncing AD DS Accounts with Microsoft Entra ID



Expected preparation of the participant

- Participants should have at least two years or more experience in the IT field.
- It is recommended to attend courses on Windows Server 2012, 2016, 2019, 2022, 2025 or equivalent knowledge.
- Solid, practical understanding of networking fundamentals, including TCP/IP.
- Solid, practical understanding of Microsoft Hyper-V virtualization fundamentals, understanding of Windows Server security principles.
- Ability to use PowerShell commands (previous participation in PowerShell Fundamentals training is welcome)
- To make your work more convenient and training more effective, we suggest using an additional screen. Lack of such screen does not exclude participation in the training, however it significantly influences working comfort during classes.
- You can find information and requirements of participation in Distance Learning trainings at: http://(https://www.altkomakademia.pl/distance-learning/#FAQ



Training Includes

- manual in electronic form available on the platform: https://www.altkomakademia.pl/
- access to Altkom Akademia's student portal

The training includes:

- access to the Altkom Akademia student portal
- training conducted in the form of a presentation
- trainer demonstrations
- practical exercises (laboratories)



Duration



5 days / 35 hours

Language

Training: English Materials: English