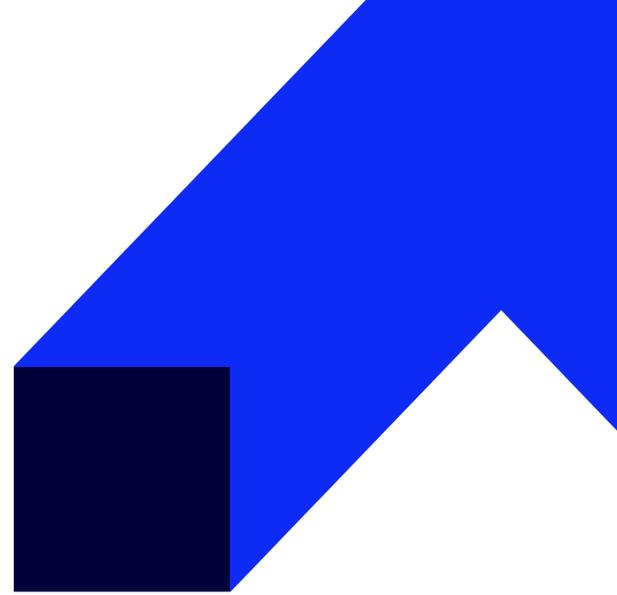# Active Directory in Windows Server 2019/2025 – Domain Installation, Administration, and Security

In this course, participants will learn the basics of managing Microsoft Active Directory.

This course is a proprietary training course.

This course covers the topics covered in the first three days of the "Active Directory in Windows Server 2019/2025 – from configuration to administration" training.

Training recipients

Training recipients and purpose of the training:
- For users of Microsoft on-premises solutions
- For administrators of local environments managed using Active Directory
- For those who want to gain basic knowledge about the Microsoft Active Directory service

Benefits

- Familiarize yourself with the basics of the Microsoft Active Directory
- Gain skills in implementing and administering an Active Directory environment
- Learn about the possibilities of managing users, computers, and resources using Active Directory
- Learn about the security and monitoring of Active Directory
- Gain skills in managing the user's work environment using Group Policy

Training program

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
- How AD DS Works?

2: Installing AD DS in Windows Server
- Deploying AD DS
- FSMO Operations Roles
- 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 Administrative Tasks

4: Replication of the AD DS Database
- Overview of AD DS Replication
- Configuring AD DS Sites

5: Securing AD DS
- Domain Controller Security

6: Monitoring and Recovering AD DS
- Monitoring AD DS
- Managing the AD DS Database
- AD DS Backup and Recovery Options

7: Implementing GPOs
- Introduction to Group Policy
- Deploying and Administering GPOs
- Troubleshooting GPO Applications

8: Configuring the User Experience with Group Policy
- Administrative Templates
- Configuring Folder Redirection and Scripts
- Software Installation
- Configuring Group Policy Preferences

Expected preparation of the participant

Expected preparation of listeners:

- Good networking knowledge
- Basic understanding of general IT practices
- Knowledge of Microsoft systems solutions
- Ability to use PowerShell commands
- Basic knowledge of Microsoft Hyper-V virtualization

Training Includes

access to Altkom Akademia student portal

Duration

3 days / 21 hours

Language

Training: English
Materials: English