

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



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Language

Training: English

Materials: English