training code: AD_poziom 1 / ENG DL 3d / EN

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

To increase the comfort of work and training's effectiveness we suggest using an additional monitor. The lack of additional monitor does not exclude participation in the training, however, it significantly influences the comfort of work during classes.

You can find information and requirements of participation in Distance Learning trainings at: https://www.altkomakademia.pl/en/how-it-works/about-courses/

Training Includes

access to Altkom Akademia student portal

Duration

3 days / 21 hours

Language

Training: English

Materials: English