

# Administering Microsoft Exchange Server 2019

Authorial training. The training is addressed to:

- **Administrator**
- **E-mail administrator**
- **HelpDesk**
- **IT specialist**



## Purpose of the training

The training is addressed to:

- Administrator,
- E-mail administrator
- HelpDesk
- IT specialist

The training is addressed to people who would like to become administrators of e-mail server functioning under the control of Microsoft Exchange Server 2019 on enterprise level. The audience of the course are also IT specialists and HelpDesk employees, who would like to gain knowledge useful to troubleshoot e-mail. Dedicated also to people who would like to be acquainted with changes and novelties compared to server in MS Exchange 2016 version and older.



## Benefits of completing the training

Acquiring knowledge and practical skills in MS Exchange Server 2019 management.

The course equips participants with knowledge and skills in planning and deploying Exchange server, the use of administration tools, the use of Windows Powershell commands, configuring Microsoft e-mail system. The topics concerning developing and managing different e-mail addressees, Clients' access, configuring transport services and high availability mechanisms are being discussed. The training also discusses archivisation, restoring, security, monitoring and troubleshooting issues, as well as

integration and comparing functionalities to MS Exchange Online solution



## Expected Listener Preparation

- Experience in administering Windows Server 2012 R2 or better
- Knowledge of Active Directory Domain Services environment
- Experience with label solving mechanisms, especially DNS, knowledge of TCP/IP and network concept, knowledge of Simple Mail Transfer Protocol (SMTP)
- 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: <https://www.altkomakademia.pl/distance-learning/#FAQ>
- Knowledge of Public Key Infrastructure (PKI), including Active Directory Certificate Services (AD CS)
- An ability to use English materials.

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## Training Language

- **Training:** English
- **Materials:** English



## Training Includes

- electronic materials available at: <https://www.altkomakademia.pl/>
- access to Altkom Akademia student portal

Training method:

- theory
- demos
- shared projects
- individual laboratories
- 50% theory

- 50% practice



## Duration

5 days / 28 hours

## Training agenda

1. Planning and installing MS Exchange server
  - Functionality and licensing
  - What's new compared to older versions
  - Planning and installation requirements
  - Installation process in graphical environment and Windows Server Core
  - Administration tools
  - Post-installation configuration
2. E-mail addressees' object management
  - Types of e-mail addressees objects
  - Managing mailboxes of individual recipients
  - Managing other types of mailboxes
  - Managing distribution groups
  - Managing address lists
3. Client's connection to MS Exchange
  - Types of Client's access
  - Configuring Outlook Client's connection
  - Configuring Outlook connection in Web network
  - The use of Office Online Server
  - Mobile access management
4. High-availability configuration
  - Deploying Database Availability Group functionality
  - Client's high-availability connection
  - High availability of transport services
5. Archiving and restoring MS Exchange server
  - Data loss limitation mechanisms
  - Archiving MS Exchange server
  - Restoring mailboxes

- Restoring e-mail server
6. Managing transport services
    - Components of transport services
    - Configuring e-mail flow
    - Verifying and monitoring e-mail flow
    - Managing transport policies
    - Managing data loss prevention policies
  7. MS Exchange server security
    - The role of Edge Transport Server
    - Anti-virus protection
    - Anti-spam protection
    - Secure administration access
  8. Monitoring and troubleshooting MS Exchange
    - Monitoring the activity of MS Exchange server
    - Troubleshooting MS Exchange
  9. MS Exchange version change and migration
    - Options of version change
    - Data migration between Exchange organisations
  10. Comparison with Exchange Online
    - Differences between Exchange and Exchange Online servers
    - Overview of migration to cloud