# Administering Microsoft Configuration Manager

## Training recipients

The training is designed for system administrators and IT specialists who wish to enhance their skills in managing computers and mobile devices within an enterprise. The program provides practical tools for effective IT infrastructure administration, including process automation, which contributes to increased operational efficiency. Course participants will acquire the necessary skills to manage software updates, implement operating systems, and monitor the status of IT resources.

## Benefits

During the training, participants will acquire skills in computer and application inventory management, content distribution and management, software updates, deployment of Defender Protection, as well as configuration and maintenance of the Configuration Manager site.

## Training program

1. Managing Computers and Mobile Devices in an Enterprise
   - Overview of system management using enterprise management solutions
   - Overview of the Configuration Manager architecture
   - Overview of Configuration Manager administrative tools
   - Tools for monitoring and troubleshooting in the Configuration Manager site
2. Analyzing Data Using Queries, Reports, and CMPivot
   - Introduction to queries
   - Configuring SQL Server Reporting Services
   - Real-time device status analysis using CMPivot
3. Preparing the Configuration Manager Management Infrastructure
   - Configuring site boundaries and boundary groups

- Configuring resource discovery
- Organizing resources using device and user collections
- Deploying and managing the Configuration Manager client
- Overview of the Configuration Manager client

4. Deploying the Configuration Manager Client
    - Configuring and monitoring client status
    - Managing client settings and performing management operations
    - Managing computer and application inventory
    - Overview of resource collection
    - Configuring hardware and software inventory
    - Managing resource collection
    - Configuring software metering
    - Configuring and managing Asset Intelligence
    - Distributing and managing content used for deployments
    - Preparing infrastructure for content management
    - Distributing and managing content in distribution points

5. Deploying and Managing Applications
    - Overview of application management
    - Creating applications
    - Deploying applications
    - Managing applications
    - Deploying and managing Windows applications

6. Maintaining Software Updates for Managed PCs
    - Software update process
    - Preparing the Configuration Manager site for software updates
    - Managing software updates
    - Configuring automatic deployment rules
    - Monitoring and troubleshooting software updates
    - Enabling third-party updates

7. Deploying Defender Protection for Managed PCs
    - Overview of Endpoint Protection in Configuration Manager
    - Configuring, deploying, and monitoring Endpoint Protection policies
    - Configuring and deploying advanced threat protection policies

8. Managing Compliance and Secure Data Access
    - Overview of compliance settings
    - Configuring compliance settings
    - Viewing compliance results
    - Managing access to resources and data
    - Managing operating system deployment

9. Overview of Operating System Deployment
    - Preparing the site for operating system deployment

- Deploying the operating system
    - Managing Windows as a service
10. Managing and Maintaining the Configuration Manager Site
    - Configuring role-based administration
    - Configuring remote tools
    - Overview of Configuration Manager site maintenance and Management Insights
    - Backing up and recovering the Configuration Manager site
    - Updating the Configuration Manager infrastructure

## Expected preparation of the participant

Prior to attending the training, it is recommended to have a basic understanding of Windows operating systems and general enterprise management concepts. Familiarity with basic administrative tools and an understanding of the Configuration Manager architecture will be an added advantage.

## Training Includes

access to Altkom Akademia's student portal

## Duration

5 days / 35 hours

## Language

- Training: English
- Materials: English