

training code: Endpoint / ENG DL 5d / EN

Administering Endpoint Configuration Manager

Authorial training. The training is addressed to:

- **Administrator**
- **HelpDesk**
- **IT specialist**



Purpose of the training

The training is addressed to:

- Administrators,
- IT specialists responsible for deploying, managing and using PC computers including mobile devices, deploying, managing and maintenance of enterprise applications.

The course discussed such issues as:

- using Endpoint Configuration Manager and related location systems for effective network resource management,
- daily tasks related to system and applications management, status of Clients' health, equipment and software inventory, deploying operational system and software updates with Endpoint Configuration Manager,
- optimising System Center Endpoint Protection,
- compatibility management
- creating queries and management reports



Benefits of completing the training

Acquiring knowledge and practical skills from managing i Active Directory Domain Services in Windows Server 2022.

This includes:

- Endpoint Configuration Manager functions and practical use of these functions to manage computers and mobile devices in corporate environment

- Data analysis using queries and reports
- Preparing management infrastructure including configuring constraints, border groups and resource detection.
- Deploying and managing Endpoint Configuration Manager Client
- Configuring, managing and monitoring hardware and software inventory, as well as the use of Asset Intelligence and measurement software
- Identifying and configuring the best method of distributing and managing content used for deployments
- Distributing, deploying and monitoring applications and programmes for managed users and systems
- Software update maintenance for PC computers managed by Configuration Manager
- Deploying Endpoint Protection for manager computers
- Managing elements of configuration, base lines and profiles for evaluation and configuring settings of compatibility and access to data for users and devices
- Configuring strategy of deploying operational system using Endpoint Configuration Manager application
- Managing and maintenance of Endpoint Configuration Manager location

The course provides participants with knowledge and skills of administering Endpoint Configuration Manager tool.



Expected Listener Preparation

- Participants should have at least 2 or more years of experience in IT industry. It is also recommended to participate in courses on Windows Server 2012/2016/2019 or equivalent knowledge.
- Solid, practical understanding of network fundamentals, including TCP / IP, User Datagram Protocol (UDP) and Domain Name System (DNS),
- excellent, practical understanding of Active Directory (AD DS) policies,
- very good, practical understanding of Microsoft Hyper-V virtualization fundamentals, Windows Server security policies
- an ability to use PowerShell commands
- 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>



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 / 35 hours

Training agenda

1. Introduction to Endpoint Configuration Manager
 - Overview of System Center bundle
 - Endpoint Configuration Manager architecture
 - Administration tools
2. Preparing Endpoint Configuration Manager infrastructure for device management
 - Configuring constraints and groups of sites' constraints
 - Integration with ADDS

- Configuring Discovery processes
 - Creating collections of devices and users
3. Installing and managing Clients
 - Introduction to Endpoint Configuration Manager's Client
 - Methods of Client's installation
 - Monitoring Endpoint Configuration Manager's Client
 - Configuring Client's software
 4. Introduction to reports and queries
 - Configuring Microsoft SQL Server Reporting Services (SSRS)
 - Introduction to queries
 5. Resource management
 - Hardware inventory
 - Software inventory
 - Configuring software use measurement mechanism
 - Configuring Asset Intelligence mechanism
 6. Distributing software using bundles and applications
 - Preparing infrastructure for software distribution
 - Configuring bundles for distribution
 - Bundle distribution
 - Monitoring bundle installation process
 7. Distributing software with application mechanism
 - Developing applications
 - Distributing applications
 - Application management
 - Deploying virtual applications
 - Deploying Windows Store application
 8. Updating operational systems and applications
 - Discussing update process with Endpoint Configuration Manager
 - Preparing infrastructure for update
 - Update management
 - Monitoring and troubleshooting
 9. Configuring system protection with Endpoint Protection
 - Introduction to Endpoint Protection
 - Configuring, deploying and monitoring end protection policies
 10. Managing compatibility and secure data access
 - Introduction to compatibility settings
 - Configuration elements and models
 - Monitoring the state of machines
 - Configuration bundles
 11. Distributing operational systems

- Introduction to system distribution
- Preparing infrastructure for system distribution
- Developing and distributing Task Sequence

12. Managing and navigating Endpoint Configuration Manager sites

- Role Based Administration Configuration (RBAC)
- Configuring remote tools
- Site maintenance
- Developing back-ups and restoring Endpoint Configuration Manager