kod szkolenia: AA_20703-1 / ENG DL 5d

Administering System Center Configuration Manager

Purpose of the training

This course is for experienced information technology (IT) professionals, typically described as Enterprise Desktop Administrators (EDAs).
These EDAs deploy, manage, and maintain PCs, devices, and applications across medium, large, and enterprise organizations. A significant portion of this audience uses, or intends to use, the latest release of Configuration Manager to manage and deploy PCs, devices, and applications.

Benefits of completing the training

After completing this course, students will be able to:

- Describe the features Configuration Manager and Intune include, and explain how you can use these features to manage PCs and mobile devices in an enterprise environment.
- Analyze data by using queries and reports.
- Prepare a management infrastructure, including configuring boundaries, boundary groups, and resource discovery, and integrating mobile-device management with Microsoft Exchange Server.
- Deploy and manage the Configuration Manager client.
- Configure, manage, and monitor hardware and software inventory, and use Asset Intelligence and software metering.
- Identify and configure the most appropriate method to distribute and manage content used for deployments.
- Distribute, deploy, and monitor applications for managed users and systems.
- Maintain software updates for PCs that Configuration Manager manages.
- Implement Endpoint Protection for managed PCs.
- Manage configuration items, baselines, and profiles to assess and configure compliance settings and data access for users and devices.
- Configure an operating-system deployment strategy by using Configuration Manager.

- Manage and maintain a Configuration Manager site

Expected Listener Preparation

Before attending this course, students must have:

- Networking fundamentals, including common networking protocols, topologies, hardware, media, routing, switching, and addressing.
- Active Directory Domain Services (AD DS) principles and fundamentals of AD DS management.
- Installation, configuration, and troubleshooting for Windows-based personal computers.
- Basic concepts of public key infrastructure (PKI) security.
- Basic understanding of scripting and Windows PowerShell syntax.
- Basic understanding of Windows Server roles and services.
- Basic understanding of the configuration options foriOS, Android, and Windows Mobile device platforms.

An ability to use English materials

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.

Training Language

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

Training Includes

- manual in electronic form available on the platform: https://www.altkomakademia.pl/
- access to Altkom Akademia's student portal

Czas trwania

5 dni / 35 godzin

Training agenda

1. Managing computers and mobile devices in the enterprise
   - Overview of systems management by using enterprise management solutions
   - Overview of the Configuration Manager architecture
   - Overview of the Configuration Manager administrative tools
   - Tools for monitoring and troubleshooting a Configuration Manager site
2. Analyzing data using queries, reports, and CMPivot
   - Introduction to queries
   - Configuring Microsoft SQL Server Reporting Services
   - Analyzing the real-time state of a device by 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
4. Deploying and managing the Configuration Manager client
   - Overview of the Configuration Manager client
   - Deploying the Configuration Manager client
   - Configuring and monitoring client status
   - Managing client settings and performing management operations
5. Managing inventory for PCs and applications
   - Overview of inventory collection
   - Configuring hardware and software inventory
   - Managing inventory collection
   - Configuring software metering
   - Configuring and managing **Asset Intelligence**
6. Distributing and managing content used for deployments
   - Preparing the infrastructure for content management
   - Distributing and managing content on distribution points
7. Deploying and managing applications
   - Overview of application management
   - Creating applications
   - Deploying applications
   - Managing applications
   - Deploying virtual applications by using System Center Configuration Manager (Optional)
   - Deploying and managing Windows Store apps
8. Maintaining software updates for managed PCs

- The software updates process
- Preparing a Configuration Manager site for software updates
- Managing software updates
- Configuring automatic deployment rules
- Monitoring and troubleshooting software updates
- Enabling third-party updates

9. Implementing Endpoint Protection for managed PCs
   - Overview of Endpoint **Protection** in Configuration Manager
   - Configuring, deploying, and monitoring Endpoint Protection policies
   - Configuring and deploying advanced threat policies
10. Managing compliance and secure data access
    - Overview of Compliance Settings
    - Configuring compliance settings
    - Viewing compliance results
    - Managing resource and data access
11. Managing operating system deployment
    - An overview of operating system deployment
    - Preparing a site for operating system deployment
    - Deploying an operating system
    - Managing Windows as a service
12. Managing and maintaining a Configuration Manager site
    - Configuring role-based administration
    - Configuring Remote Tools
    - Overview of Configuration Manager site maintenance and Management Insights
    - Backing up and recovering a Configuration Manager site
    - Updating the Configuration Manager infrastructure