Administering Microsoft Endpoint Configuration Manager – MECM (55348)

Description

Cette formation permet d'acquérir les compétences et les connaissances nécessaires pour utiliser Configuration Manager et ses systèmes de sites associés afin d'administrer de façon efficace les ressources réseau. Vous apprendrez les tâches de gestion, telles que la gestion des applications, l'inventaire matériel et logiciel, le déploiement du système d'exploitation et les mises à jour logicielles via Configuration Manager. Vous apprendrez également à optimiser System Center Endpoint Protection, à gérer la conformité des applications et à créer des requêtes de gestion et des rapports de gestion.

Course Content
Module 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

Module 2: Analyzing data using queries, reports, and CMPivot

- Introduction to queries
- Configuring SQL Server Reporting Services
- Analyzing the real-time state of a device by using CMPivot

Module 3: Preparing the Configuration Manager management infrastructure

- Configuring site boundaries and boundary groups
- Configuring resource discovery
- Organizing resources using device and user collections

Module 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

Module 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

Module 6: Distributing and managing content used for deployments

- Preparing the infrastructure for content management
- Distributing and managing content on distribution points

Module 7: Deploying and managing applications

- Overview of application management
- Creating applications
- Deploying applications
- Managing applications
- Deploying and managing Windows apps

Module 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

Module 9: Implementing Defender Protection for managed PCs

- Overview of Endpoint Protection in Configuration Manager
- Configuring, deploying, and monitoring Endpoint Protection policies
- Configuring and deploying advanced threat policies

Module 10: Managing compliance and secure data access

- Overview of Compliance Settings
- Configuring compliance settings
- Viewing compliance results
- Managing resource and data access

Module 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

Module 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

Lab / Exercises

- Online labs

Documentation

- Digital courseware included

Participant profiles

- Experienced IT professionals in charge of deploying, managing and maintaining computers, devices and applications across medium, large, and enterprise organizations

Prerequisites

- 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 for iOS and Android Mobile device platforms

Objectives

- 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 Intune
- 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

Niveau
Intermédiaire
Classroom Registration Price (CHF)
3900
Virtual Classroom Registration Price (CHF)

3650
Duration (in Days)
5
Reference
55348AC