

# MSCE-9 - MOC 20703-1 - ADMINISTERING SYSTEM CENTER CONFIGURATION MANAGER

Categoria: **System Center**

## INFORMAZIONI SUL CORSO



**Durata:**  
5 Giorni



**Categoria:**  
System Center



**Qualifica Istruttore:**  
Microsoft Certified  
Trainer



**Dedicato a:**  
Professionista IT



**Produttore:**  
Microsoft

## OBIETTIVI

- 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.

## PREREQUISITI

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 for iOS, Android, and Windows Mobile device platforms

## CONTENUTI

## **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

### **Lab : Exploring the Configuration Manager tools**

- Searching in the Configuration Manager console
- Using Windows PowerShell with Configuration Manager
- Using Configuration Manager Service Manager to manage components
- Monitoring site and component status
- Reviewing log files by using the Configuration Manager Trace tool

## **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

### **Lab : Creating and running queries**

- Creating data queries
- Creating subselect queries

### **Lab : Configuring SSRS**

- Configuring a reporting services point

### **Lab : Analyzing the real-time state of a device by using CMPivot**

- Using CMPivot to Analyze the current state of devices

## **Module 3: Preparing the Configuration Manager management infrastructure**

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

### **Lab : Configuring boundaries and resource discovery**

- Configuring boundaries, boundary groups, and fallback relationships
- Configuring Active Directory discovery methods

### **Lab : Configuring user and device collections**

- Creating a device collection
- Creating a user collection
- Configuring a maintenance window

## **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

**Lab : Deploying the Microsoft System Center Configuration Manager client software**

- Preparing the site for client installation
- Deploying the Configuration Manager client software by using client push installation

**Lab : Configuring and monitoring client status**

- Configuring and monitoring client health status

**Lab : Managing client settings**

- Configuring client settings
- 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

**Lab : Configuring and managing inventory collection**

- Configuring and managing hardware inventory

**Lab : Configuring software metering**

- Configuring software metering

**Lab : Configuring and managing Asset Intelligence**

- Preparing the site for Asset Intelligence
- Configuring Asset Intelligence
- Monitoring license agreements by using Asset Intelligence
- Viewing Asset Intelligence reports

**Module 6: Distributing and managing content used for deployments**

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

**Lab : Distributing and managing content for deployments**

- Installing a new distribution point
- Managing content distribution

**Module 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

**Lab : Creating and deploying applications**

- Creating applications with requirements
- Deploying applications

**Lab : Managing application supersedence and removal**

- Managing application supersedence
- Uninstalling the Excel Viewer application

**Lab : Deploying virtual applications by using Configuration Manager (Optional)**

- Deploying virtual applications

**Lab : Using Configuration Manager to deploy Windows Store apps**

- Configuring support for sideloading Windows Store apps
- Configuring a Windows Store app
- Deploying Windows 10 apps to users

**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

**Lab : Configuring the site for software updates**

- Configuring and synchronizing the software update point

**Lab : Deploying and managing software updates**

- Determining software update compliance
- Deploying software updates to clients
- Configuring automatic deployment rules

**Module 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

**Lab : Implementing Microsoft System Center Endpoint Protection**

- Configuring the System Center Endpoint Protection point and client settings
- Configuring and deploying Endpoint Protection policies
- Monitoring Endpoint Protection

**Lab : Implementing advanced threat policies**

- Creating and deploying advanced threat protection policies

**Module 10: Managing compliance and secure data access**

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

**Lab : Managing compliance settings**

- Managing configuration items and baselines
- Viewing compliance settings and reports

- Configuring remediation in compliance settings
- Using compliance information to create collections

### **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

#### **Lab : Preparing the site for operating system deployment**

- Managing the site system roles used to support operating system deployment
- Managing packages to support operating system deployment

#### **Lab : Deploying operating system images for bare-metal installations**

- Preparing the operating system image
- Creating a task sequence to deploy an image
- Deploying an image

### **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 : Configuring role-based administration**

- Configuring a new scope for Toronto administrators
- Configuring a new administrative user

#### **Lab : Configuring Remote Tools**

- Configuring the Remote Tools client settings and permissions
- Managing desktops by using Remote Control

#### **Lab : Maintaining a Configuration Manager site**

- Configuring maintenance tasks in Configuration Manager
- Configuring the Backup Site Server task
- Recovering a site from a backup

## **INFO**

**Materiale didattico:** Materiale didattico in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)