

# ADMINISTERING SYSTEM CENTER CONFIGURATION MANAGER

Course Code: 821518

Distribute, deploy, and monitor applications for managed users and systems.

In this course, you will use Configuration Manager and its associated site systems to efficiently manage network resources. You will learn day-to-day management tasks, including how to manage applications, client health, hardware and software inventory, operating system deployment, and software updates by using Configuration Manager. You will also discover how to optimize System Center Endpoint Protection, manage compliance, and create management queries and reports.

## What You'll Learn

- Describe the features of 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, 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 as well as 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 administers
- 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

## Who Needs to Attend

This course is for experienced information technology (IT) professionals who deploy, manage, and maintain PCs, 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, Android, and Windows Mobile device platforms

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CLASSROOM LIVE

\$2,995 USD

5 Day

## Classroom Live Outline

### **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

### **Analyzing Data Using Queries and Reports, and CMPivot**

- Introduction to queries
- Configuring Microsoft SQL Server Reporting Services (SSRS)
- Analyzing the real-time state of devices by using CMPivot

### **Preparing the Configuration Manager management infrastructure**

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

### **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

### **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

## **Distributing and Managing Content Used for Deployments**

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

## **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

## **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

## **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

## **Managing Compliance and Secure Data Access**

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

## **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

## **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

## **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

## **Creating and Running Queries**

- Creating data queries
- Creating subselect queries

## **Configuring SSRS**

- Configuring a reporting services point

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

- Using CMPivot to Analyze the current state of devices

## **Configuring Boundaries and Resource Discovery**

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

## **Configuring User and Device Collections**

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

## **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

## **Configuring and Monitoring Client Status**

- Configure and monitoring client health status

## **Managing Client Settings**

- Configuring client settings
- Performing management operations

## **Configuring and Managing Inventory Collection**

- Configuring and management hardware inventory

## **Configuring Software Metering**

- Configuring software metering

## **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

## **Distributing and Managing Content for Deployments**

- Installing a new distribution point
- Managing content distribution

### **Creating and Deploying Applications**

- Creating applications with requirements
- Deploying applications

### **Managing Application Supersedence and Removal**

- Managing application supersedence
- Uninstalling the Excel Viewer application

### **Deploying virtual applications by using Configuration Manager (Operational)**

- Deploying virtual applications

### **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

### **Configuring the Site for Software Updates**

- Configuring and synchronizing the software update point

### **Deploying and Managing Software Updates**

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

### **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

### **Implementing advanced threat policies**

- Creating and deploying advanced threat protection policies

### **Managing Compliance Settings**

- Managing configuration items and baselines
- Viewing compliance settings and reports
- Configuring remediation in compliance settings
- Using compliance information to create collections
- Configure compliance settings

### **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

### **Deploying Operating System Images for Bare-Metal Installations**

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

### **Configuring Role-Based Administration**

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

### **Configuring Remote Tools**

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

### **Maintaining a Configuration Manager Site**

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

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May 19 - 23, 2025 | 8:30 AM - 4:30 PM EDT

Jun 2 - 6, 2025 | 11:30 AM - 7:30 PM EDT

Jun 9 - 13, 2025 | 8:30 AM - 4:30 PM EDT

Jul 7 - 11, 2025 | 8:30 AM - 4:30 PM EDT

Jul 21 - 25, 2025 | 11:30 AM - 7:30 PM EDT

Aug 11 - 15, 2025 | 8:30 AM - 4:30 PM EDT

Sep 15 - 19, 2025 | 8:30 AM - 4:30 PM EDT

Oct 13 - 17, 2025 | 8:30 AM - 4:30 PM EDT

Nov 3 - 7, 2025 | 8:30 AM - 4:30 PM EST

Dec 15 - 19, 2025 | 8:30 AM - 4:30 PM EST



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PRIVATE GROUP TRAINING

5 Day

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