



*Training Course:
Integrating MDM and Cloud Services with System
Center Configuration Manager*

*22 - 26 December 2025
Barcelona (Spain)
Grupotel Gran Via 678*

Training Course: Integrating MDM and Cloud Services with System Center Configuration Manager

Training Course code: IT234714 From: 22 - 26 December 2025 Venue: Barcelona (Spain) - Grupotel Gran Via 678 Training Course Fees: 6000 € Euro

Introduction

This 10-days instructor-led training course describes mobile device management MDM technologies and the integration of various online cloud services with Microsoft System Center Configuration Manager. This course focuses on both hybrid MDM using Microsoft Intune, and the on-premises MDM scenario.

This course also covers integration with online services such as Microsoft Store for Business, Microsoft Office 365, and Microsoft Azure.

Course Objectives

After completing this course, students will be able to:

- Describe the challenges in managing a mobile and Internet-based workforce and how Configuration Manager integrated with MDM and cloud services solutions can address these challenges.
- Describe and configure methods used to manage client devices that are located outside the corporate network and connected to the Internet.
- Deploy and manage Microsoft Store for Business apps by using Configuration Manager.
- Deploy and manage Office 365 apps by using Configuration Manager.
- Manage mobile devices by using Configuration Manager.
- Describe and configure a hybrid MDM scenario by using Configuration Manager and Intune.
- Enroll iOS, android, and Windows-based devices in a hybrid Configuration Manager and Intune MDM solution.
- Describe and configure on-premises mobile device management using Configuration Manager.
- Before attending this course, students must have system administrator-level working knowledge of:
 - 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 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.
- Basic understanding of management tasks using Configuration Manager.

Target Audience

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

Course outlines

Extending the Configuration Manager infrastructure to support Internet-based and mobile devices

- Managing a mobile and distributed workforce
- Integrating Configuration Manager with cloud services and Internet-based management solutions
- PKI requirements to support Internet-based and mobile device management scenarios
- Expanding content availability by using cloud-based distribution points

Lab: Preparing for cloud integration

Lab: Implementing PKI for Configuration Manager site systems and clients

Lab: Configuring cloud-based distribution points

Managing clients on the Internet

- Methods for managing Internet-based clients
- Planning and implementing Internet-based client management
- Planning and implementing Cloud Management Gateway

Lab: Configuring Internet-based client management

Lab: Configuring Cloud Management Gateway for managing clients on the Internet

Managing Microsoft Store for Business apps by using Configuration Manager

- Overview of Microsoft Store for Business and Education
- Managing Microsoft Store for Business apps by using Configuration Manager

Lab: Preparing to use Microsoft Store for Business to support app deployment

Lab: Deploying Microsoft Store for Business apps by using Configuration Manager

Managing Office 365 apps by using Configuration

- Overview of Office 365 ProPlus
- Deploying Office 365 clients by using Configuration Manager
- Managing Office 365 ProPlus updates

Lab: Preparing Office 365 to support app deployment by using Configuration Manager

Lab: Deploying Office 365 client apps by using Office 365 client apps by using Configuration Manager

Mobile device management by using Configuration Manager

- Overview of mobile device management
- Configuring the Exchange Server connector for mobile device management

Lab: Managing mobile devices by using the Exchange Server connector

Hybrid MDM with Configuration Manager and Microsoft Intune

- Planning and preparing for hybrid MDM
- Configuring hybrid MDM with Configuration Manager and Intune

Lab: Configuring hybrid MDM

Device platform enrollment by using Configuration and Microsoft Intune

- Enrolling Windows devices into MDM
- Enrolling Android devices
- Enrolling iOS devices into MDM
- Managing mobile devices in Configuration Manager

Lab: Enrolling Windows devices into MDM

Lab: Enrolling Android devices into MDM

Lab: Performing management task for enrolled mobile devices

On-premises mobile device management using Configuration Manager

- Overview of on-premises mobile device management
- Configuring on-premises MDM by using Configuration Manager

Lab: Managing mobile devices with an on-premises infrastructure

Registration form on the Training Course: Integrating MDM and Cloud Services with System Center Configuration Manager

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