

# Integrating MDM and Cloud Services with System Center Configuration Manager (20703-2A)

**Duration:** 3 Days

**US Price:** \$895

**Delivery Option:** Attend via [MOC On-Demand](#)

## Description

This is a Microsoft Official Course (MOC) and includes Microsoft courseware and hands-on labs. This 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.

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 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.

The secondary audience for this course includes IT professionals who take this course as preparation material for exam [70-703: Administering System Center Configuration Manager and Cloud Services Integration](#).

## Prerequisites

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 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

## About MOC On-Demand

Microsoft Official Courses On-Demand (MOC On-Demand) uses a combination of streaming video, text, lab exercises and assessment checks throughout the course. MOC On-Demand courses are available for 90 days and recommend the following system requirements:

- Browser: Current version of Internet Explorer, Microsoft Edge, Google Chrome or Firefox
- Internet: Broadband Internet connection of over 4Mbps
- Screen Resolution: 1280 x 1024 or higher

## Course Overview

### **Module 1: Extending the Configuration Manager Infrastructure to Support Internet-Based and Mobile Devices**

This module describes 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.

#### Lessons

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

#### Labs

- Activating an Azure trial subscription
- Configuring and enabling directory syncing
- Creating certificate templates for Configuration Manager services
- Deploying certificates to Configuration Manager
- Creating and exporting an Azure management certificate for cloud-based distribution

- points
- Setting up Azure and creating a cloud-based distribution point

**After completing this module, students will be able to:**

- Understand the challenges in managing a mobile and distributed workforce
  - Understand the considerations for integrating Configuration Manager with cloud services and Internet-based management solutions
  - Describe the public key infrastructure (PKI) requirements to support the Internet and MDM
  - Explain how to expand content availability by using cloud-based distribution points
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## **Module 2: Managing Clients on the Internet**

This module explains how to manage client devices that are located outside of the corporate network and connected to the Internet.

### **Lessons**

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

### **Labs**

- Configuring the Configuration Manager site systems to support IBCM
- Verify the client settings for IBCM
- Enabling the Cloud Management Gateway feature
- Creating and exporting the Azure management certificate for cloud-based distribution points
- Setting up the Cloud Management Gateway

**After completing this module, students will be able to:**

- Identify the methods for managing client devices that are connected to the Internet but located outside the corporate network
  - Describe the considerations and tasks for enabling Configuration Manager to support Internet-based client management (IBCM)
  - Describe the considerations and procedures for implementing the Cloud Management Gateway to support Internet-based clients
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## **Module 3: Managing Microsoft Store for Business Apps by Using Configuration Manager**

This module explains how to deploy and manage Microsoft Store for Business apps by

using Configuration Manager.

## Lessons

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

## Labs

- Signing up for Microsoft Store for Business
- Microsoft Store for Business
- Setting up syncing with Microsoft Store for Business
- Microsoft Store for Business apps

### After completing this module, students will be able to:

- Explain how to manage Microsoft Store for Business and describe its features
  - Deploy apps from Microsoft Store for Business by using Configuration Manager
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## Module 4: Managing Office 365 Apps by Using Configuration Manager

This module explains how to deploy and manage Office 365 apps by using Configuration Manager.

## Lessons

- Overview of Office 365 ProPlus
- Deploying Office 365 client applications by using Configuration Manager
- Managing and updating an Office 365 client deployment

## Labs

- Signing up for an Office 365 trial subscription
- Assigning Office 365 ProPlus licenses to users
- Modifying Office 365 ProPlus options for manual downloads
- Configuring infrastructure requirements to support
- Deploying the Office 365 ProPlus to client devices application
- Configuring software updates to support Office 365

### After completing this module, students will be able to:

- Describe Microsoft Office 365 ProPlus features
  - Use Configuration Manager to deploy Office 365 applications
  - Manage and update an Office 365 client deployment
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## Module 5: Mobile Device Management by Using Configuration Manager

This module describes the methods and technologies used to manage mobile devices by using Configuration Manager.

### Lessons

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

### Labs

- Configuring security permissions for Exchange integration
- Configuring the Exchange Server connector
- Managing mobile devices by using Configuration Manager

### After completing this module, students will be able to:

- Provide an overview of Microsoft mobile device management technologies and how they integrate with Configuration Manager
  - Explain how to deploy the Microsoft Exchange Server connector for Configuration Manager
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## Module 6: Hybrid MDM with Configuration Manager and Intune

This module describes how to integrate Configuration Manager with Intune and provide the foundation for device enrollment and management capabilities.

### Lessons

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

### Labs

- Validating and configuring prerequisites for Configuration Manager and Intune integration
- Adding the Intune subscription to Configuration Manager
- Adding terms and conditions for MDM users

### After completing this module, students will be able to:

- Plan and prepare for hybrid MDM
- Configure hybrid MDM by using Configuration Manager and Intune

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## Module 7: Device Platform Enrollment by Using Configuration Manager MDM

This module explains how to enroll iOS, Android, and Windows-based devices in a hybrid Configuration Manager and Intune MDM solution.

### Lessons

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

### Labs

- Enrolling Windows devices into a hybrid MDM environment
- Configuring automatic MDM enrollment for Windows 10 devices
- Enrolling Windows 10 and Windows 10 Mobile devices into MDM
- Enabling Android enrollment for MDM by using Configuration Manager and Microsoft Intune
- Enrolling an Android device into MDM
- Configuring compliance settings for devices enrolled into MDM
- Deploying and managing applications to devices enrolled into MDM
- Performing on-demand management on devices enrolled into MDM

### After completing this module, students will be able to:

- Enable Windows device management and implement Windows device enrollment
- Enable Android device management and implement Android device enrollment
- Enable iOS device management and implement iOS device enrollment
- Manage mobile devices in Configuration Manager hybrid MDM

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## Module 8: On-Premises Mobile Device Management Using Configuration Manager

This module explains On-premises MDM, its requirements, and the types of devices it can manage, how to configure on-premises mobile device management by using Configuration Manager. It also explains how to implement On-premises MDM in an existing Configuration Manager environment and the different ways to enroll Windows 10 devices.

### Lessons

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

## Labs

- Configuring PKI for On-premises MDM
- Preparing Configuration Manager prerequisites for on-premises Immobile device management
- Enrolling a standalone Windows 10 devices for On-premises MDM as a mobile client

### After completing this module, students will be able to:

- Explain what On-premises MDM is and compare it with other management options
- Plan for and implement the requirements for On-Premises MDM
- Enroll a modern Windows 10 device in On-Premises MDM

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Software Skills Training, Inc.  
6 Hemlock Drive  
Chelmsford, MA 01824  
978.250.4983  
[www.software-skills-training.com](http://www.software-skills-training.com)

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