

## 20703-1 Administering System Center Configuration Manager

### Overview

In this course, students 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 also will learn how to optimize System Center Endpoint Protection, manage compliance, and create management queries and reports.

### Prerequisite Comments

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.

### Target Audience

This course is 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 release of Configuration Manager to manage and deploy PCs, devices, and applications.

### Course Objectives

After completing this course, students will be able to:

- 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.

[Register Online](#)

### Schedule

Class Length: 5 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"  
 ILT = "Instructor-Led-Training" | HDL = "Hosted Distance Learning"

11/09/20	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
11/09/20	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
12/07/20	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
12/07/20	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
01/04/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
01/04/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
01/18/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
01/18/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
02/01/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
02/01/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
02/15/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
02/15/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
03/01/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
03/01/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00

- 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.

## Course Outline

### 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

### 2 - Analyzing data using queries and reports

Introduction to queries  
 Configuring Microsoft SQL Server Reporting Services (SSRS)  
 Lab : Creating and running queriesConfiguring boundaries and resource discovery  
 Lab : Configuring SSRS

### 3 - Preparing the management infrastructure to support PCs and mobile devices

Configuring site boundaries and boundary groups  
 Configuring resource discovery  
 Configuring the Exchange Server Connector for mobile device management  
 Configuring user and device collections  
 Lab : Configuring boundaries and resource discovery  
 Lab : Configuring user and device collections

03/15/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
03/15/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
03/29/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
03/29/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
04/12/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
04/12/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
04/26/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
04/26/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
05/10/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
05/10/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
05/24/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
05/24/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
06/07/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
06/07/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00

#### 4 - Deploying and managing clients

Overview of the Configuration Manager client  
 Deploying the Configuration Manager client  
 Configuring and monitoring client status  
 Managing client settings in Configuration Manager  
 Lab : Deploying the Microsoft System Center Configuration Manager client software  
 Lab : Configuring and monitoring client status  
 Lab : Managing client settings

06/21/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
06/21/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00

#### 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  
 Lab : Configuring software metering  
 Lab : Configuring and managing Asset Intelligence

#### 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

#### 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  
 Lab : Managing application supersedence and removal  
 Lab : Deploying virtual applications by using Configuration Manager (Optional)  
 Lab : Using Configuration Manager to deploy Windows Store apps

## 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  
Lab : Configuring the site for software updates  
Lab : Deploying and managing software updates

## 9 - Implementing Endpoint Protection for managed PCs

Overview of Endpoint Protection in Configuration Manager  
Configuring, deploying, and monitoring Endpoint Protection policies  
Lab : Implementing Microsoft System Center Endpoint Protection

## 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

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

## 12 - Managing and maintaining a Configuration Manager site

Configuring role-based administration  
Configuring Remote Tools  
Overview of Configuration Manager site maintenance  
Backing up and recovering a Configuration Manager site  
Lab : Configuring role-based administration  
Lab : Configuring Remote Tools  
Lab : Maintaining a Configuration Manager site

## Related Courses, Certifications, Exams

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- 70-703 - Exam 70-703: Administering System Center Configuration Manager and Cloud Services Integration