

20696 Administering System Center Configuration Manager and Intune

Course Overview

This is a 5-day class

NOTE: This course has retired and has been replaced with [20703-1 Administering System Center Configuration Manager](/FindTraining/CourseOutline/tabid/436/Default.aspx?courseID=200009776), an updated version of the 20696 course.

Get expert instruction and hands-on practice configuring and managing clients and devices by using Microsoft System Center v1511 Configuration Manager, Microsoft Intune, and their associated site systems. In this five-day course, you will learn day-to-day management tasks, including how to manage software, client health, hardware and software inventory, applications, and integration with Intune. You also will learn how to optimize System Center Endpoint Protection, manage compliance, and create management queries and reports. Additionally, this course, in conjunction with Microsoft Official Course 20695C, also helps certification candidates prepare for Exam 70-696: Managing Enterprise Devices and Apps.

Who Should Attend

This course is for experienced information technology (IT) professionals, typically described as Enterprise Desktop Administrators (EDAs). 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 and Intune to manage and deploy PCs, devices, and applications. By using Configuration Manager with Intune, EDAs also can support either domain-joined or non-domain-joined Bring Your Own Device (BYOD) scenarios, mobile-device management, and secure data access on common operating-system platforms, such as Windows, Windows Phone, Apple iOS, and Android.

This course also is for individuals who are interested in taking exam 70-696: Managing Enterprise Devices and Apps.

Course Objectives



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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.
- 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.
- Use Configuration Manager to implement Endpoint Protection.
- 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 mobile devices by using Configuration Manager and Intune.
- 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
Introduction to queries and reports
Lab : Exploring the Configuration Manager tools
Lab : Creating Queries and Configuring Reporting Services

2 Preparing the management infrastructure to support PCs and mobile devices

Configuring 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

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3 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

4 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

5 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

6 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

7 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

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8 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

9 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

10 Managing operating-system deployments

An overview of operating-system deployment
Preparing a site for operating-system deployment
Deploying an operating-system
Lab : Preparing a site for operating-system deployment
Lab : Deploying operating-system images for bare-metal installations

11 Mobile device management using Configuration Manager and Microsoft Intune

Overview of mobile-device management
Managing mobile devices with on-premises infrastructure
Managing mobile devices by using Configuration Manager and Intune
Managing settings and protecting data on mobile devices
Deploying applications to mobile devices
Lab : Managing mobile devices with on-premises infrastructure

12 Managing and maintaining a Configuration Manager site

Configuring role-based administration
Configuring remote tools
Overview of Configuration Manager site maintenance
Performing backup and recovery of a Configuration Manager site
Lab : Configuring role-based administration
Lab : Configuring Remote Tools
Lab : Maintaining a Configuration Manager site