

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.
- 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, reports, and CMPivot

Introduction to queries
Configuring SQL Server Reporting Services
Analyzing the real-time state of a device by using CMPivot
Lab : Creating and running queries
Lab : Configuring SSRS
Lab : Analyzing the real-time state of a device by using CMPivot

3 - Preparing the Configuration Manager management infrastructure

Configuring site boundaries and boundary groups
Configuring resource discovery
Organizing resources using device and user collections
Lab : Configuring boundaries and resource discovery
Lab: Configuring user and device collections

4 - 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
Lab : Deploying the Microsoft System Center Configuration Manager client software
Lab: Configuring and monitoring client status
Lab : Managing client settings

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
Enabling third-party 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
Configuring and deploying advanced threat policies
Lab : Implementing Microsoft System Center Endpoint Protection
Lab : Implementing advanced threat policies

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

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