



55348 - Administering Microsoft Endpoint Configuration Manager Training

Course ID #: 7000-1171-ZZ-Z

Hours: 35

Delivery Method: Group Internet Based

Course Content

Description:

In this course, you will cover: What's the secret to keeping enterprise devices secure, compliant, and up to date across thousands of users? Today's organizations depend on skilled administrators who can leverage Microsoft Endpoint Configuration Manager to deliver, protect, and manage devices at scale.

Microsoft reports that Configuration Manager is already managing more than 12.5 million devices worldwide, underscoring its critical role in enterprise IT. The Administering Microsoft Endpoint Configuration Manager Training (55348) course equips you with the practical skills to deploy clients, deliver applications, enforce compliance, roll out operating systems, and manage updates, ensuring your environment remains efficient, secure, and resilient.

Objectives:

Upon successful completion of this course, students will: After completing this course, you'll be able to:

- Use Configuration Manager and Intune to manage PCs and mobile devices
- Analyze device and user data using queries, reports, and CMPivot
- Deploy and manage Configuration Manager clients and monitor client health
- Configure, deploy, and manage applications and software updates
- Implement and optimize Endpoint Protection
- Prepare for OS deployment and manage Windows as a service
- Maintain, troubleshoot, and update your Configuration Manager site
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Prerequisites:

- Networking fundamentals (protocols, routing, switching)
- Experience with Active Directory Domain Services (AD DS)
- Installation, configuration, and troubleshooting for Windows PCs
- Basic PKI security concepts
- Scripting/PowerShell basics
- Understanding of Windows Server roles/services
- Basic mobile device configuration (iOS/Android)



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Target Audience:

No

Topics:

Module 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

Module 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

Module 3 - Preparing the Configuration Manager management infrastructure

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

Module 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

Module 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

Module 6 - Distributing and managing content used for deployments

- Preparing the infrastructure for content management
- Distributing and managing content on distribution points

Module 7 - Deploying and managing applications

- Overview of application management
- Creating applications
- Deploying applications
- Managing applications
- Deploying and managing Windows apps

Module 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



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Module 9 - Implementing Defender Protection for managed PCs

- Overview of Endpoint Protection in Configuration Manager
- Configuring, deploying, and monitoring Endpoint Protection policies
- Configuring and deploying advanced threat policies

Module 10 - Managing compliance and secure data access

- Overview of Compliance Settings
- Configuring compliance settings
- Viewing compliance results
- Managing resource and data access

Module 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

Module 12 - Managing and maintaining a Configuration Manager site

- Configuring role-based administration
- Configuring Remote Tools
- Overview of Configuration Manager site maintenance and Management Insights
- Backing up and recovering a Configuration Manager site
- Updating the Configuration Manager infrastructure

Module 13 - What's new in Microsoft Endpoint Configuration Manager

- What's new in Microsoft Endpoint Manager covering each semi annual release

Register for this class by visiting us at:

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NASBA CPE details are provided on the following pages.



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NASBA Information

Level: Intermediate

Advanced Preparation:

Attendance Requirement: To be awarded the full credit hours, you must sign in and attend the entire course.

Recommended Field(s) of Study: Technology

Recommended CPEs: 39.00

Policies: Course Registration, Cancellation, Refund, and Complaint Resolution

For more information regarding administrative policies such as complaint and program cancellation policies, please contact our offices at 800-639-3535 or visit us at: www.tcworkshop.com

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NOTE: Since our information is in multiple places on our website or in PDF format that is sent to clients, we have provided our normal course content with the NASBA Information added along with links to our policy page on the web. We will add our name to the Official National Registry Statement after we are approved.