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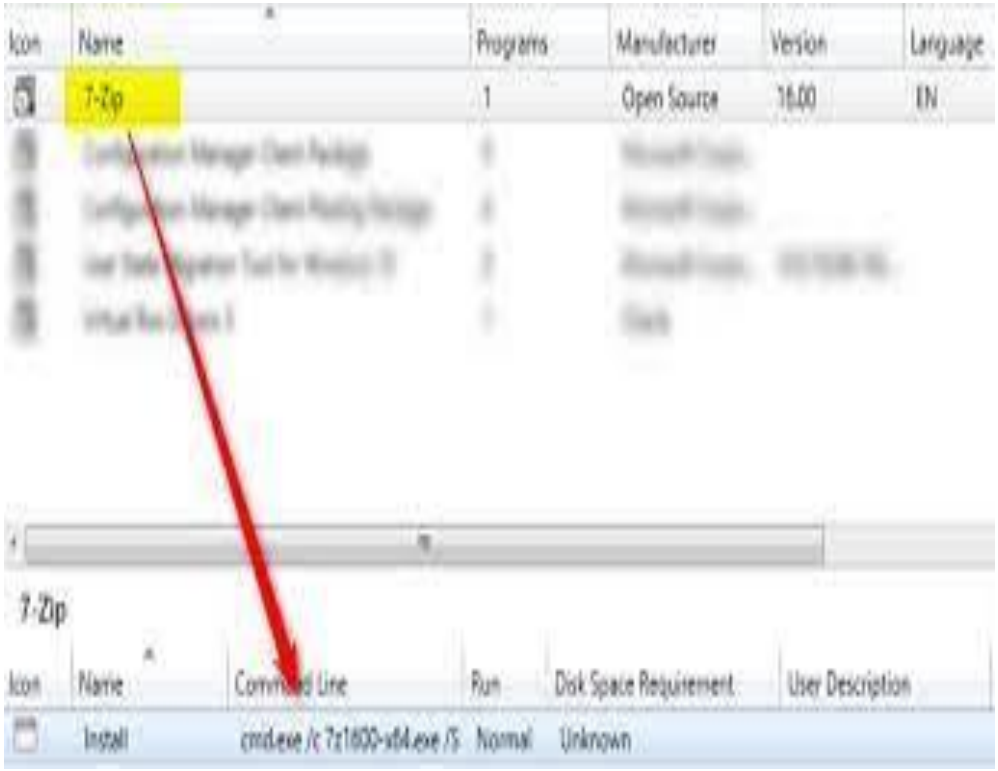

SCCM

9032803832

9032803832

contact@techyedz.com

www.techyedz.com

Administering System Center Configuration Manager (SCCM)

Course Overview:

This course describes how to use Configuration Manager and its associated site systems to efficiently manage network resources. In this course, you 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. Additionally, this course, in conjunction with Microsoft Official Course 20703-2B, helps certification candidates prepare for Exam 70-703: Administering System Center Configuration Manager and Cloud Services Integration.

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

- Searching in the Configuration Manager console
- Using Windows PowerShell with Configuration Manager
- Using Configuration Manager Service Manager to manage components
- Monitoring site and component status
- Reviewing log files by using the Configuration Manager Trace tool

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

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Lab : Creating and running queries

- Creating data queries
- Creating subselect queries

Lab : Configuring SSRS

- Configuring a reporting services point

Lab : Analyzing the real-time state of a device by using CMPivot

- Using CMPivot to Analyze the current state of devices

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

- Configuring boundaries, boundary groups, and fallback relationships
- Configuring Active Directory discovery methods

Lab : Configuring user and device collections

- Creating a device collection
- Creating a user collection
- Configuring a maintenance window

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

- Preparing the site for client installation
- Deploying the Configuration Manager client software by using client push installation

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Lab : Configuring and monitoring client status

- Configuring and monitoring client health status

Lab : Managing client settings

- Configuring client settings
- Performing management operations

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

- Configuring and managing hardware inventory

Lab : Configuring software metering

- Configuring software metering

Lab : Configuring and managing Asset Intelligence

- Preparing the site for Asset Intelligence
- Configuring Asset Intelligence
- Monitoring license agreements by using Asset Intelligence
- Viewing Asset Intelligence reports

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

- Installing a new distribution point
- Managing content distribution

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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

- Creating applications with requirements
- Deploying applications

Lab : Managing application supersedence and removal

- Managing application supersedence
- Uninstalling the Excel Viewer application

Lab : Deploying virtual applications by using Configuration Manager (Optional)

- Deploying virtual applications

Lab : Using Configuration Manager to deploy Windows Store apps

- Configuring support for sideloading Windows Store apps
- Configuring a Windows Store app
- Deploying Windows 10 apps to users

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

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- Configuring and synchronizing the software update point

Lab : Deploying and managing software updates

- Determining software update compliance
- Deploying software updates to clients
- Configuring automatic deployment rules

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

- Configuring the System Center Endpoint Protection point and client settings
- Configuring and deploying Endpoint Protection policies
- Monitoring Endpoint Protection

Lab : Implementing advanced threat policies

- Creating and deploying advanced threat protection 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

- Managing configuration items and baselines
- Viewing compliance settings and reports
- Configuring remediation in compliance settings
- Using compliance information to create collections

11: Managing operating system deployment

- An overview of operating system deployment

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- Preparing a site for operating system deployment
- Deploying an operating system
- Managing Windows as a service

Lab : Preparing thea site for operating -system deployment

- Managing the site system roles used to support operating system deployment
- Managing packages to support operating system deployment

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

- Preparing the operating system image
- Creating a task sequence to deploy an image
- Deploying an image

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

Lab : Configuring role-based administration

- Configuring a new scope for Toronto administrators
- Configuring a new administrative user

Lab : Configuring Remote Tools

- Configuring the Remote Tools client settings and permissions
- Managing desktops by using Remote Control

Lab : Maintaining a Configuration Manager site

- Configuring maintenance tasks in Configuration Manager
- Configuring the Backup Site Server task
- Recovering a site from a backup

Prerequisites:

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Before attending this course, participants 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 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 foriOS, Android, and Windows Mobile device platforms.

Who Can attend:

- 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.

- This course also is for individuals who are interested in taking Exam 70-703: Administering System Center Configuration Manager and Cloud Services Integration. Courses 20703-1B and 20703-2B, or equivalent knowledge and skills, are necessary to prepare for this exam.

Number of Hours: 40hrs

Certification: 70-703

Key Features:

- One to One Training
- Online Training

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- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification

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