MOC 10747 A Administering System Center 2012 Configuration Manager

Course Summary

Description

This five-day instructor-led course provides students with the knowledge and skills to configure and manage a System Center 2012 Configuration Manager site and its associated site systems in the role of Configuration Manager administrators.

Objectives
At the end of this course, students will be able to:

- Describe the System Center 2012 Configuration Manager feature set.
- Discover and organize resources.
- Manage the Configuration
- Manager client.
- Manage inventory and software metering.
- Query and report data.
- Manage software deployments by using packages and programs.
- Create and deploy applications.
- Manage application deployment.
- Deploy and manage software updates. Implement System Center 2012 Endpoint Protection.
- Deploy operating systems by using System Center 2012
- Configuration Manager. Manage compliance settings on devices.
- Manage mobile devices.
- Configure Wake On LAN, Power Management, and Remote Control

Topics

- Overview of System Center 2012 Configuration Manager
- Discovering and Organizing Resources
- Managing the Configuration Manager Client
- Managing Inventory and Software Metering
- Querying and Reporting Data
- Managing Software Deployments by Using Packages and Programs
- Creating and Deploying Applications
- Managing Application Deployment
- Deploying and Managing Software Updates
- Implementing Endpoint Protection in System Center 2012 Configuration Manager
- Managing Operating System Deployment
- Managing Compliance Settings
- Managing Mobile Devices
- Configuring Wake On LAN, Power Management, and Remote Control

Prerequisites

Experience in the following areas is required:

- Networking fundamentals, including TCP/IP and Domain Name System (DNS)
- Active Directory principles and management
- Windows Server management including Windows Server 2008 and Windows Server 2008 R2
- Microsoft Windows client fundamentals
- Deployment, configuration, and troubleshooting for Windows-based personal computers
- Microsoft SQL Server 2008 including Reporting Services
- Basic Public Key Infrastructure (PKI) concepts
- Desired: Have a base-level understanding of System Center Configuration Manager 2007

Duration

Five days

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Course Outline

I. Overview of System Center 2012 Configuration Manager

A. Introduction to System Center 2012 Configuration Manager
B. Overview of the System Center 2012 Configuration Manager Architecture
C. Overview of the Configuration Manager Console
D. Tools for Monitoring a Configuration Manager Site
E. Lab: Exploring the Configuration Manager Console
   1. Exploring the Configuration Manager Console
   2. Searching in the Configuration Manager Console
F. Lab: Monitoring and Troubleshooting a Configuration Manager Site
   1. Configuring Status Summarizers
   2. Managing Components by Using Configuration Manager Service Manager
   3. Monitoring Site and Component Status
   4. Reviewing Log Files by Using Configuration Manager Trace Log Tool

II. Discovering and Organizing Resources

A. Configuring Resource Discovery
B. Configuring Boundaries and Boundary Groups
C. Configuring User and Device Collections
D. Configuring Role-Based Administration
E. Lab: Configuring Resource Discovery and Boundaries
   1. Configuring Active Directory Discovery Methods
   2. Configuring Boundaries and Boundary Groups
F. Lab: Configuring User and Device Collections
   1. Creating a Device Collection
   2. Creating a User Collection
   3. Configuring a Maintenance Window
   4. Lab: Configuring Role-Based Administration
   5. Configuring a New Scope for Toronto Administrators
   6. Configuring a New Administrative User

III. Managing the Configuration Manager Client

A. Overview of the Configuration Manager Client
B. Deploying the Configuration Manager Client
C. Managing Client Agent Settings
D. Configuring and Monitoring Client Status
E. Lab: Deploying the Configuration Manager Client
F. Preparing the Site for Client Installation
G. Deploying the Configuration Manager Client by Using Client Push Installation
H. Deploying the Configuration Manager Client by Using Group Policy (Optional)
I. Lab: Managing Client Agent Settings
   1. Configuring Client Agent Settings
J. Lab: Configuring and Monitoring Client Status
   1. Configuring and Monitoring Client Communication and Health Status

IV. Managing Inventory and Software Metering

A. Overview of Inventory Collection
B. Configuring Hardware Inventory
C. Configuring Software Inventory
D. Managing Inventory Collection
E. Configuring Asset Intelligence
F. Configuring Software Metering
G. Lab: Configuring and Managing Inventory Collection
   1. Configuring Hardware Inventory
   2. Configuring Software Inventory
H. Lab: Configuring and Managing Asset Intelligence
   1. Preparing the Site for Asset Intelligence
   2. Configuring Asset Intelligence
   3. Customizing Asset Intelligence
   4. Viewing Asset Intelligence Reports
I. Lab: Configuring Software Metering
   1. Configuring Software Metering

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Course Outline (cont'd)

V. Querying and Reporting Data
- A. Introduction to Queries
- B. Managing Queries
- C. Configuring SQL Server Reporting Services
- D. Lab: Creating and Running Queries
  1. Creating Data Queries
  2. Creating Status Message Queries
- E. Lab: Configuring Reporting
  1. Configuring a Reporting Services Point

VI. Managing Software Deployments by Using Packages and Programs
- A. Configuring Software Distribution
- B. Distributing Content to Distribution Points
- C. Configuring Packages and Programs
- D. Deploying Programs to Configuration Manager Clients
- E. Lab: Managing Software Deployment by Using Packages and Programs
  1. Preparing the Infrastructure for Software Deployment
  2. Creating a Package and Configuring Programs
  3. Distributing Content to a Distribution Point
  4. Deploying a Program to Configuration Manager Clients

VII. Creating and Deploying Applications
- A. Overview of Application Management
- B. Creating Applications
- C. Deploying Applications
- D. Configuring the Application Catalog
- E. Lab: Creating and Deploying Applications
  1. Creating and Deploying a Required Application
  2. Creating and Deploying an Available Application
- F. Lab: Deploying Applications from the Application Catalog
  1. Installing and Configuring the Application Catalog
  2. Creating and Deploying Applications to the Application Catalog
  3. Installing Applications from the Application Catalog

VIII. Managing Application Deployment
- A. Configuring Requirements and Dependencies for Deployment Types
- B. Configuring Multiple Deployment Types and User Device Affinity
- C. Managing Applications
- D. Lab: Advanced Application Deployment
  1. Configuring User Device Affinity
  2. Creating Applications with Requirements
  3. Deploying Required Applications to Users
  4. Creating an Application with Multiple Deployment Types
- E. Lab: Managing Application Supersedence and Removal
  1. Using Application Supersedence
  2. Uninstall the Excel Viewer Application

IX. Deploying and Managing Software Updates
- A. Overview of Software Updates
- B. Preparing the Configuration Manager Site for Software Updates
- C. Managing Software Updates
- D. Configuring Automatic Deployment Rules
- E. Monitoring and Troubleshooting Software Updates
  1. Lab: Configuring the Site for Software Updates
  2. Configuring and Synchronizing the Software Update Point
- F. Lab: Deploying and Managing Software Updates
  1. Determining Software Update Compliance
  2. Deploying Software Updates to Clients
  3. Configuring Automatic Deployment Rules

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Course Outline (cont'd)

X. Implementing Endpoint Protection in System Center 2012 Configuration Manager

A. Overview of Endpoint Protection in Configuration Manager
B. Configuring and Monitoring Endpoint Protection
C. Lab: Implementing Endpoint Protection
   1. Configuring the Endpoint Protection Point and Client Settings
   2. Configuring and Deploying Endpoint Protection Policies
   3. Monitoring Endpoint Protection

XI. Managing Operating System Deployment

A. Overview of Operating System Deployment
B. Preparing the Site for Operating System Deployment
C. Capturing an Operating System Image
D. Deploying an Operating System
E. Lab: Preparing the Environment for Operating System Deployment
   1. Configuring the Network Environment for Operating System Deployment
   2. Managing Site System Roles Used to Support Operating System Deployment
   3. Managing Packages to Support Operating System Deployment
F. Lab: Building and Capturing a Reference Image
   1. Creating a Build and Capture Task Sequence
   2. Capturing the Reference Computer
G. Lab: Performing an In-Place Upgrade
   1. Preparing the Operating System Image
   2. Creating a Task Sequence to Deploy an Image
   3. Deploying an Image

XII. Managing Compliance Settings

A. Overview of Compliance Settings
B. Configuring Compliance Settings
C. Viewing Compliance Results
D. Lab: Managing Compliance Settings
   1. Managing Configuration Items and Baselines
   2. Viewing Compliance Settings Reports
   3. Configuring Remediation in Compliance Settings
   4. Using Compliance Information to Create Collections

XIII. Managing Mobile Devices

A. Configuring Mobile Device Management
B. Configuring a Public Key Infrastructure
C. Depth Management of Mobile Devices
D. Deploying Applications to Mobile Devices
E. Lab: Configuring PKI for Configuration Manager
   1. Creating Certificate Templates for Configuration Manager
   2. Deploying Certificates for Configuration Manager
F. Lab: Managing Mobile Devices
   1. Preparing the Infrastructure for Mobile Device Management
   2. Enrolling a Mobile Device
   3. Managing Compliance Settings for a Mobile Device
   4. Deploying an Application to a Mobile Device
   5. Configuring Wake On LAN, Power Management, and Remote Control

XIV. Configuring Wake On LAN

A. Configuring Out of Band Management
B. Configuring Power Management Settings
C. Configuring Remote Control
D. Lab: Configuring Power Management Settings
   1. Applying a Power Management Plan
E. Lab: Configuring Remote Control
   1. Configuring the Remote Control Client Settings and Permissions
   2. Managing the Business Desktop Support Team by Using Remote Control

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