

## **System Center 2012: Configuration Manager (SCCM)**

### **Course 10748A: Deploying System Center 2012 Configuration Manager**

**Exam Code: 70-243**

**Duration: 64 Hrs**

## **Course Outline**

### **Module 1: Overview of System Center 2012 Configuration Manager**

This module describes the Configuration Manager 2012 infrastructure and typical deployment scenarios.

#### **Lessons**

- Introduction to System Center 2012 Configuration Manager
- Overview of the Configuration Manager 2012 Server Default Site System Roles
- Overview of the Configuration Manager 2012 Server Optional Site System Roles
- Overview of Configuration Manager 2012 Deployment Scenarios

### **Module 2: Planning and Deploying a Stand-Alone Primary Site**

This module explains the planning process, inputs, and typical planning activities for deploying a stand-alone primary site. It also describes the prerequisites for installing a site server and related components, the process of installing, configuring, and monitoring a stand-alone primary site. This module also describes the requirements for managing Internet-based clients and configuring a Microsoft PKI solution.

#### **Lessons**

- Planning a System Center 2012 Configuration Manager Stand-Alone Primary Site Deployment
- Preparing to Deploy a Configuration Manager 2012 Primary Site
- Installing a Configuration Manager 2012 Site Server
- Performing Post-Setup Configuration Tasks
- Tools for Monitoring and Troubleshooting a Configuration Manager 2012 Installation
- Managing Internet-Based Clients

#### **Lab : Installing a Configuration Manager 2012 Primary Site**

- Configuring the Prerequisites for Configuration Manager 2012 Deployment
- Extending the Active Directory Schema
- Installing a Configuration Manager 2012 Stand-Alone Primary Site

#### **Lab : Performing Post-Setup Configuration Tasks**

- Validating the Installation of the Primary Site
- Performing the Initial Configuration of the Primary Site

#### **Lab : Configuring PKI for Configuration Manager**

- Creating Certificate Templates for Configuration Manager
- Deploying Certificates for Configuration Manager

### **Module 3: Planning and Configuring Role-Based Administration**

This module explains how to plan and configure administrative roles.

## Lessons

- Overview of Role-Based Administration
- Identifying IT Roles in Your Organization
- Configuring Role-Based Administration

### Lab : Planning and Configuring Role-Based Administration

- Reviewing Built-in Security Roles and Scopes
- Creating Custom Security Roles and Scopes
- Testing the Permissions of the New Role

## Module 4: Planning and Deploying a Multiple-Site Hierarchy

This module explains how to plan and deploy a multiple-site hierarchy including the central administration site, primary sites, and secondary sites.

### Lessons

- Planning a Configuration Manager 2012 Multiple-Site Hierarchy
- Deploying a Configuration Manager 2012 Site
- Deploying the Central Administration Site
- Deploying Primary Sites in a Hierarchy
- Deploying Secondary Sites

### Lab : Installing the Central Administration Site

- Extending the Active Directory Schema
- Installing the Central Administration Site
- Validating the Installation

### Lab : Installing a Primary Site in an Existing Hierarchy

- Installing a Primary Site in an Existing Hierarchy
- Validating the Installation
- Automating the Installation of a Primary Site

### Lab : Installing a Secondary Site

- Configuring Prerequisites
- Installing a Secondary Site from a Primary Site
- Validating the Installation

## Module 5: Data Replication and Content Management

This module describes types and data replication, monitoring and troubleshooting data replication throughout the hierarchy, and planning for, configuring, and monitoring content management.

### Lessons

- Introduction to Data Types and Replication
- Monitoring and Troubleshooting Data Replication
- Planning for Content Management
- Configuring and Monitoring Content Management

### Lab : Monitoring and Troubleshooting Data Replication

- Monitoring Replication
- Troubleshooting Replication

### Lab : Configuring Content Management

- Create a Distribution Point and a Distribution Point Group
- Distribute and Monitor Content

- Perform Content Prestaging

## **Module 6: Planning and Completing System Center 2012 Configuration Manager Client**

### **Deployment**

This module explores various methods to plan and deploy Configuration Manager 2012 clients, including discovery methods, client deployment methods, managing clients, and monitoring client status.

### **Lessons**

- Introduction to Discovery Methods
- Introduction to Configuration Manager 2012 Client Deployment
- Deploying Configuration Manager 2012 Clients
- Managing Configuration Manager 2012 Clients
- Monitoring Configuration Manager 2012 Client Status

### **Lab : Planning and Completing Configuration Manager 2012 Client Deployment**

- Configuring Active Directory Discovery Methods
- Using Client Push to Install Configuration Manager 2012 Clients
- Verifying Configuration Manager 2012 Client Installation

## **Module 7: Maintaining and Monitoring System Center 2012 Configuration Manager**

This module describes how to perform various Configuration Manager 2012 maintenance tasks, and how to monitor site systems.

### **Lessons**

- Overview of Configuration Manager 2012 Site Maintenance
- Performing Backup and Recovery of a Configuration Manager 2012 Site
- Monitoring Configuration Manager 2012 Site Systems

### **Lab : Maintaining and Monitoring System Center 2012 Configuration Manager**

- Configuring the Site Backup Task
- Recovering the Site from a Backup
- Monitoring Configuration Manager

## **Module 8: Migrating from System Center Configuration Manager 2007 to System Center 2012**

### **Configuration Manager**

This module describes the migration of objects from Configuration Manager 2007 to Configuration Manager 2012.

### **Lessons**

- Overview of the Migration Process
- Preparing Configuration Manager 2007 Sites for Migration
- Configuring Migration Settings
- Migrating Objects

### **Lab : Migrating from System Center Configuration Manager 2007 to System Center 2012**

#### **Configuration Manager**

- Configuring the Source Hierarchy
- Creating a Migration Job and Performing Migration

## Course 10747A: Administering System Center 2012 Configuration Manager

### Course Outline

#### Module 1: Overview of System Center 2012 Configuration Manager

This module describes the System Center 2012 Configuration Manager feature set and explains how to manage sites by using the System Center 2012 Configuration Manager Console.

#### Lessons

- Introduction to System Center 2012 Configuration Manager
- Overview of System Center 2012 Configuration Manager Architecture
- Overview of the Configuration Manager Console
- Tools for Monitoring and Troubleshooting a Configuration Manager Site

#### Lab : Exploring the Configuration Manager Console

- Exploring the Configuration Manager Console
- Searching in the Configuration Manager Console

#### Lab : Monitoring and Troubleshooting a Configuration Manager Site

- Configuring Status Summarizers
- Managing Components by Using Configuration Manager Service Manager
- Monitoring Site and Component Status
- Reviewing Log Files by Using Configuration Manager Trace Log Tool

#### Module 2: Discovering and Organizing Resources

This module explains how to configure discovery methods, configure boundaries and boundary groups, manage user and device collections, and implement role-based security.

#### Lessons

- Configuring Resource Discovery
- Configuring Boundaries and Boundary Groups
- Configuring User and Device Collections
- Configuring Role-Based Administration

#### Lab : Configuring Resource Discovery and Boundaries

- Configuring Active Directory Discovery Methods
- Configuring Boundaries and Boundary Groups

#### Lab : Configuring User and Device Collections

- Creating a Device Collection
- Creating a User Collection
- Configuring a Maintenance Window

#### Lab : Configuring Role-Based Administration

- Configuring a New Scope for Toronto Administrators
- Configuring a New Administrative User

#### Module 3: Managing the Configuration Manager Client

This module explains how to configure client deployment methods and client settings, and monitor client status.

#### Lessons

- Overview of the Configuration Manager Client
- Deploying the Configuration Manager Client
- Managing Client Agents
- Configuring and Monitoring Client Status

**Lab : Deploying the Configuration Manager Client**

- Preparing the Site for Client Installation
- Deploying the Configuration Manager Client by Using Client Push Installation
- Deploying the Configuration Manager Client by Using Group Policy (Optional)

**Lab : Managing Client Settings**

- Configuring Client Settings

**Lab : Configuring and Monitoring Client Status**

- Configuring and Monitoring Client Communication and Health Status

## **Module 4: Managing Inventory and Software Metering**

This module explains how to configure and manage hardware and software inventory, monitor inventory data flow, and use asset intelligence and software metering.

### **Lessons**

- Overview of Inventory Collection
- Configuring Hardware Inventory
- Configuring Software Inventory
- Managing Inventory Collection
- Configuring Asset Intelligence
- Configuring Software Metering

**Lab : Configuring and Managing Inventory Collection**

- Configuring Hardware Inventory
- Configuring Software Inventory

**Lab : Configuring and Managing Asset Intelligence**

- Preparing the Site for Asset Intelligence
- Configuring Asset Intelligence
- Customizing Asset Intelligence
- Viewing Asset Intelligence Reports

**Lab : Configuring Software Metering**

- Configuring Software Metering

## **Module 5: Querying and Reporting Data**

This module explains how to create queries and run reports by using SQL Server Reporting Services.

### **Lessons**

- Introduction to Queries
- Managing Queries
- Configuring SQL Server Reporting Services

**Lab : Creating and Running Queries**

- Creating Data Queries
- Creating Subselect Queries
- Creating Status Message Queries

## Lab : Configuring Reporting

- Configuring a Reporting Services Point

## Module 6: Managing Software Deployments by Using Packages and Programs

This module explains how to create and deploy packages and programs.

### Lessons

- Configuring Software Distribution
- Configuring Packages and Programs
- Distributing Content to Distribution Points
- Deploying Programs to Configuration Manager Clients

### Lab : Managing Software Deployment by Using Packages and Programs

- Preparing the Infrastructure for Software Deployment
- Creating a Package and Configuring Programs
- Distributing Content to a Distribution Point
- Deploying a Program to Configuration Manager Clients

## Module 7: Creating and Deploying Applications

This module explains how to create and deploy applications by using the System Center 2012 Configuration Manager application model.

### Lessons

- Overview of Application Management
- Creating Applications
- Deploying Applications
- Configuring the Application Catalog

### Lab : Creating and Deploying an Application

- Creating and Deploying a Required Application
- Creating and Deploying an Available Application

### Lab : Deploying Applications from the Application Catalog

- Installing and Configuring the Application Catalog
- Creating and Deploying Applications to the Application Catalog
- Installing Applications from the Application Catalog

**Module 8: Managing Application Deployment** This module explains how to configure application deployment requirements, application supersedence, application un-installation, and multiple deployment types.

### Lessons

- Configuring Requirements and Dependencies for Deployment Types
- Configuring Multiple Deployment Types and User Device Affinity
- Managing Applications

### Lab : Advanced Application Deployment

- Configuring User Device Affinity
- Creating Applications with Requirements
- Deploying Required Applications to Users
- Creating an Application with Multiple Deployment Types

### Lab : Managing Application Supersedence and Removal

- Using Application Supersedence

- Uninstalling the Excel Viewer Application

**Module 9: Deploying and Managing Software Updates** This module explains how to deploy and manage software updates.

#### Lessons

- Overview of Software Updates
- Preparing the 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

- 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

#### Module 10: Implementing Endpoint Protection in Configuration Manager 2012

This module explains how to integrate and implement System Center 2012 Endpoint Protection with System Center 2012 Configuration Manager.

#### Lessons

- Overview of Endpoint Protection in Configuration Manager
- Configuring and Monitoring Endpoint Protection Policies

#### Lab : Implementing Endpoint Protection

- Configuring the Endpoint Protection Point and Client Settings
- Configuring and Deploying Endpoint Protection Policies
- Monitoring Endpoint Protection

#### Module 11: Managing Operating System Deployment

This module explains how to deploy operating systems by using the System Center 2012 Configuration Manager infrastructure.

#### Lessons

- Overview of Operating System Deployment
- Preparing the Site for Operating System Deployment
- Capturing an Operating System Image
- Deploying an Operating System

#### Lab : Preparing the Environment for Operating System Deployment

- Managing Site System Roles Used to Support Operating System Deployment
- Managing Packages to Support Operating System Deployment

#### Lab : Building and Capturing a Reference Image

- Creating a Build and Capture Task Sequence
- Capturing the Reference Computer

#### Lab : Performing an In-Place Upgrade

- Preparing the Operating System Image
- Creating a Task Sequence to Deploy an Image
- Deploying an Image

## **Module 12: Managing Compliance Settings**

This module explains how to manage configuration items and baselines to assess and remediate the compliance of settings on devices.

### **Lessons**

Overview of Compliance Settings

Configuring Compliance Settings

Viewing Compliance Results

### **Lab : Managing Compliance Settings**

Managing Configuration Items and Baselines

Viewing Compliance Settings Reports

Configuring Remediation in Compliance Settings

Using Compliance Information to Create Collections

## **Module 13: Managing Mobile Devices**

This module explains how to configure the mobile device management settings.

### **Lessons**

Configuring Mobile Device Management

Depth Management of Mobile Devices

Deploying Applications to Mobile Devices

### **Lab : Managing Mobile Devices**

Preparing the Infrastructure for Mobile Device Management

Enrolling a Mobile Device

Managing Compliance Settings for a Mobile Device

Deploying an Application to a Mobile Device

## **Module 14: Configuring Wake On LAN, Power Management, and Remote Control**

This module explains how to configure Wake On LAN, power management policies, and Remote Control.

### **Lessons**

Configuring Wake On LAN

Overview of Out of Band Management

Configuring Power Management Settings

Configuring Remote Control

### **Lab : Configuring Power Management Settings**

Applying a Power Management Plan

### **Lab : Configuring Remote Control**

Configuring the Remote Tools Client Settings and Permissions

Managing Desktops by Using Remote Control