

SCCM (System Center 2012 Configuration Manager)

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

1. Introduction to System Center 2012 Configuration Manager.
2. Overview of System Center 2012 Configuration Manager Architecture.
3. Overview of the Configuration Manager Console.
4. Tools for Monitoring and Troubleshooting a Configuration Manager Site.

Lab : Exploring the Configuration Manager Console.

1. Exploring the Configuration Manager Console.
2. Searching in the Configuration Manager Console.

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.

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

1. Configuring Resource Discovery.
2. Configuring Boundaries and Boundary Groups.
3. Configuring User and Device Collections.
4. Configuring Role-Based Administration.

Lab : Configuring Resource Discovery and Boundaries.

1. Configuring Active Directory Discovery Methods
2. Configuring Boundaries and Boundary Groups

Lab : Configuring User and Device Collections.

1. Creating a Device Collection
2. Creating a User Collection
3. Configuring a Maintenance Window

Lab : Configuring Role-Based Administration.

1. Configuring a New Scope for Toronto Administrators
2. Configuring a New Administrative User

Lab : Module 3: Managing the Configuration Manager Client.

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

Lessons

1. Overview of the Configuration Manager Client
2. Deploying the Configuration Manager Client
3. Managing Client Settings

4. Configuring and Monitoring Client Status

Lab : Deploying the Configuration Manager Client

1. Preparing the Site for Client Installation
2. Deploying the Configuration Manager Client by Using Client Push Installation
3. Deploying the Configuration Manager Client by Using Group Policy (Optional)

Lab : Managing Client Settings.

1. Configuring Client Settings

Lab : Configuring and Monitoring Client Status

1. 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.

Lessons

1. Overview of Inventory Collection
2. Configuring Hardware Inventory
3. Configuring Software Inventory
4. Managing Inventory Collection
5. Configuring Asset Intelligence
6. Configuring Software Metering

Lab : Configuring and Managing Inventory Collection

1. Configuring Hardware Inventory
2. Configuring Software Inventory

Lab : Configuring and Managing Asset Intelligence

1. Preparing the Site for Asset Intelligence
2. Configuring Asset Intelligence
3. Customizing Asset Intelligence

Lab : Configuring Software Metering

1. 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

1. Introduction to Queries
2. Managing Queries
3. Configuring SQL Server Reporting Services

Lab : Creating and Running Queries

1. Creating Data Queries
2. Creating Status Message Queries

Lab : Configuring Reporting

1. Create a Report Services Point

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

1. This module explains how to create and deploy packages and programs.Lessons
2. Configuring Software Distribution
3. Configuring Packages and Programs
4. Distributing Content to Distribution Points
5. Deploying Programs to Configuration Manager Clients

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

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

1. Overview of Application Management
2. Creating Applications
3. Deploying Applications
4. Configuring the Application Catalog

Lab : Creating and Deploying an Application

1. Creating and Deploying a Required Application
2. Creating and Deploying an Available Application

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

Module 8: Managing Application Deployment.

This module explains how to configure application deployment requirements, application supersedence, application un-installation, and multiple deployment types.

Lessons

1. Configuring Requirements and Dependencies for Deployment Types
2. Configuring Multiple Deployment Types and User Device Affinity
3. Managing Applications

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

Lab : Managing Application Supersedence and Removal

1. Using Application Supersedence
2. Uninstalling the Excel Viewer Application

Module 9: Deploying and Managing Software Updates.

1. This module explains how to deploy and manage software updates.

Lessons

1. Overview of Software Updates
2. Preparing the Configuration Manager Site for Software Updates
3. Managing Software Updates
4. Configuring Automatic Deployment Rules
5. Monitoring and Troubleshooting Software Updates

Lab : Configuring the Site for Software Updates.

1. Configuring and Synchronizing the Software Update Point

Lab : Deploying and Managing Software Updates.

1. Determining Software Update Compliance
2. Deploying Software Updates to Clients
3. 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.

1. Configuring the Endpoint Protection Point and Client Settings
2. Configuring and Deploying Endpoint Protection Policies
3. 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

1. Overview of Operating System Deployment
2. Preparing the Site for Operating System Deployment
3. Capturing an Operating System Image
4. Deploying an Operating System

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

Lab : Building and Capturing a Reference Image.

1. Creating a Build and Capture Task Sequence
2. Capturing the Reference Computer

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

After completing this module, students will be able to:

1. Describe operating system deployment.
2. Prepare a site for operating system deployment.
3. Capture operating system images.
4. Deploy operating systems.

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

1. Overview of Compliance Settings
2. Configuring Compliance Settings
3. Viewing Compliance Results

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

Module 13: Managing Mobile Devices.

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

Lessons

1. Configuring Mobile Device Management
2. Configuring a Public Key Infrastructure
3. Depth Management of Mobile Devices
4. Deploying Applications to Mobile Devices

Lab : Configuring PKI for Configuration Manager.

1. Creating Certificate Templates for Configuration Manager
2. Deploying Certificates for Configuration Manager

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

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

1. Configuring Wake On LAN
2. Overview of Out of Band Management
3. Configuring Power Management Settings
4. Configuring Remote Control

Lab : Configuring Power Management Settings.

1. Applying a Power Management Plan

Lab : Configuring Remote Control.

1. Configuring the Remote Tools Client Settings and Permissions
2. Managing Desktops by Using Remote Control
3. Before attending this course, students must have system administrator-level working knowledge of:
4. Networking fundamentals, including TCP/IP and Domain Name System (DNS).
5. Active Directory principles and management.
6. Windows Server management including Windows Server 2008 and Windows Server 2008 R2
7. Microsoft Windows client fundamentals.
8. Deployment, configuration, and troubleshooting for Windows-based personal computers.
9. Microsoft SQL Server 2008 including Reporting Services.
10. Basic Public Key Infrastructure (PKI) concepts.
11. Desired: Have a base-level understanding of System Center Configuration Manager 2007.