

Microsoft SCCM 2012 Boot Camp Courses

**Boot camp Title – MCTS: SCCM 2012 (1 Cert)**
Number of Days – 6
Number of Exams – 1
Number of Certifications – 1
Cost - $5,595.00

Certifications:

MCTS: SCCM 2012

Exams:

**70-243:** Administering and Deploying System Center 2012 Configuration Manager

Course Description:

The MCTS System Center Configuration Manager certification boot camp is a 6 day comprehensive deep dive into SCCM covering topics such as deploying, managing, administering core and advanced features of SCCM 2012. This instructor led face to face training camp will teach you the skills needed to support a SCCM 2012 environment.

Class Objectives (*Following information customized from Microsoft Learning Test Objectives)*

**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**

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

After completing this module, students will be able to:

* Describe the purpose and functionality of System Center 2012 Configuration Manager.
* Describe the System Center 2012 Configuration Manager architecture.
* Identify and locate the management features available in the Configuration Manager console.
* Identify and use the tools available to monitor and troubleshoot a Configuration Manager site.

**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**

**Lab : Configuring User and Device Collections**

**Lab : Configuring Role-Based Administration**

After completing this module, students will be able to:

* Configure resource discovery.
* Configure boundaries and boundary groups.
* Configure user and device collections.
* Configure role-based administration.

**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**

**Lab : Managing Client Settings**

**Lab : Configuring and Monitoring Client Status**

After completing this module, students will be able to:

* Describe the requirements for installing the Configuration Manager 2012 client.
* Describe the site roles and methods used to deploy the Configuration Manager client.
* Describe how to configure the client agent settings.
* Describe how to monitor client health.

**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**

**Lab : Configuring and Managing Asset Intelligence**

**Lab : Configuring Software Metering**

After completing this module, students will be able to:

* Describe inventory collection.
* Configure and collect hardware inventory.
* Configure and collect software inventory.
* Manage inventory collection.
* Configure asset intelligence.
* Configure 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**

**Lab : Configuring Reporting**

After completing this module, students will be able to:

* Describe data and status message queries.
* Configure and manage data and status message queries.
* Configure and manage SQL Server Reporting Services in Configuration Manager.

**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**

After completing this module, students will be able to:

* Describe the software distribution process and configure software distribution settings.
* Configure packages and programs.
* Distribute content to distribution points.
* Deploy programs 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**

**Lab : Deploying Applications from the Application Catalog**

After completing this module, students will be able to:

* Describe application management in Configuration Manager.
* Create applications.
* Deploy applications.
* Configure 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**

**Lab : Managing Application Supersedence and Removal**

After completing this module, students will be able to:

* Describe the requirement rules and dependencies for deployment types.
* Configure multiple deployment types and user device affinity.
* Manage applications by uninstalling and replacing applications using application supersedence.

**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**

**Lab : Deploying and Managing Software Updates**

After completing this module, students will be able to:

* Describe how the software updates feature integrates with Configuration Manager 2012.
* Prepare a Configuration Manager site for software updates.
* Manage software update evaluation and deployment.
* Configure automatic deployment rules.
* Monitor and troubleshoot software updates.

**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**

After completing this module, students will be able to:

* Describe how Endpoint Protection is used to detect and remediate malware and security vulnerabilities.
* Configure and monitor Endpoint Protection policies.

**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**

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

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

After completing this module, students will be able to:

* Describe operating system deployment.
* Prepare a site for operating system deployment.
* Capture operating system images.
* 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**

* Overview of Compliance Settings
* Configuring Compliance Settings
* Viewing Compliance Results

**Lab : Managing Compliance Settings**

After completing this module, students will be able to:

* Describe the Compliance Settings feature.
* Configure the Compliance Settings feature.
* View compliance results.

**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**

After completing this module, students will be able to:

* Configure mobile device management.
* Describe how you can use depth management to manage supported mobile devices.
* Deploy applications to mobile devices.

**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**

**Lab : Configuring Remote Control**

After completing this module, students will be able to:

* Configure the Wake On LAN feature.
* Describe out of band management.
* Configure power management settings.
* Configure Remote Control features.

**Module 1: Overview of System Center 2012 R2 Configuration Manager**

This module explains the System Center 2012 R2 Configuration Manager infrastructure and the typical deployment scenarios.

**Lessons**

* Introduction to System Center 2012 R2 Configuration Manager
* Overview of the Configuration Manager Site System Roles
* Overview of the Configuration Manager Optional Site System Roles
* Overview of Configuration Manager Deployment Scenarios
* Overview of the Configuration Manager Client

After completing this module, students will be able to:

* Describe the System Center 2012 R2 Configuration Manager architecture.
* Describe the Configuration Manager server infrastructure.
* Describe typical Configuration Manager deployment scenarios.
* Describe the Configuration Manager client.

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

This module explains how to plan and deploy a stand-alone primary site.

**Lessons**

* Planning a Configuration Manager Stand-Alone Primary Site Deployment
* Preparing to Deploy a Configuration Manager Primary Site
* Installing a Configuration Manager Site Server
* Performing Post-Setup Configuration Tasks
* Tools for Monitoring and Troubleshooting a Configuration Manager Site

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

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

After completing this module, students will be able to:

* Describe the planning tasks for a System Center 2012 Configuration Manager primary site deployment.
* Identify the preparation steps for deploying Configuration Manager 2012.
* Install a Configuration Manager 2012 primary site.
* Perform post-setup configuration tasks.
* Describe the tools that you can use to monitor and troubleshoot a Configuration Manager 2012 installation.

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

This module explains how to plan and configure Configuration Manager administrative users and access.

**Lessons**

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

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

After completing this module, students will be able to:

* Describe role-based administration concepts.
* Describe the process for identifying the roles in a typical IT department and its corresponding responsibilities and activities.
* Configure role-based administration.

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

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

**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 a Site Hierarchy**

**Lab : Verifying a Site Hierarchy**

**Lab : Installing a Secondary Site**

After completing this module, students will be able to:

* Describe the architecture and characteristics of a System Center 2012 Configuration Manager multiple-site hierarchy.
* Describe the role of the central administration site in a hierarchy.
* Prepare for and perform the installation of the central administration site.
* Prepare for and perform the installation of primary sites in an existing hierarchy.
* Identify the need to install secondary sites and perform the installation of a secondary site.

**Module 5: Replicating Data and Managing Content in Configuration Manager 2012**

This module explains how to plan, configure, and monitor data types, intersite communication, replication, and content.

**Lessons**

* Introduction to Data Types and Replication
* Managing Data Replication
* Planning Content Management

**Lab : Configuring, Monitoring, and Troubleshooting Data Replication**

**Lab : Planning and Configuring Content Management**

* After completing this module, students will be able to:
* Describe site and global data types and how data is replicated throughout the hierarchy.
* Manage data replication.
* Plan for content management.

**Module 6: Planning Resource Discovery and Client Deployment**

This module explains how to plan and use various methods to discover resources and deploy the Configuration Manager client.

**Lessons**

* Identifying Resources by Using Configuration Manager Discovery Methods
* Client Deployment in Configuration Manager
* Deploying Windows-Based Configuration Manager Clients
* Managing Configuration Manager Clients
* Monitoring Client Status in Configuration Manager

**Lab : Implementing Configuration Manager Client Deployment**

After completing this module, students will be able to:

* Describe processes and methods for resource discovery.
* Describe the client-installation process and client-deployment methods.
* Plan and complete a typical client deployment.
* Manage Configuration Manager clients after installation.
* Describe the new Client Health feature in Configuration Manager.

**Module 7: Configuring Internet and Cloud-Based Client Management**

This module explains how to plan and configure Internet and cloud-based client management.

**Lessons**

* Managing Remote Clients by Using System Center 2012 R2 Configuration Manager
* Managing Internet-Based Configuration Manager Clients
* Configuring Cloud Services in System Center 2012 R2 Configuration Manager

**Lab : Configuring PKI for Configuration Manager**

**Lab : Configuring Windows Intune Integration with System Center 2012 R2 Configuration Manager**

After completing this module, students will be able to:

* Manage remote clients by using System Center 2012 R2 Configuration Manager.
* Manage Internet-based Configuration Manager clients.
* Configure cloud services in System Center 2012 R2 Configuration Manager.

**Module 8: Maintaining and Monitoring System Center 2012 Configuration Manager**

This module explains how to perform maintenance tasks and monitor the Configuration Manager site systems.

**Lessons**

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

**Lab : Maintaining System Center 2012 Configuration Manager**

After completing this module, students will be able to:

* Describe Configuration Manager site-maintenance tasks.
* Back up and recover a Configuration Manager site.
* Monitor Configuration Manager site systems.

**Module 9: Migrating to System Center 2012 R2 Configuration Manager**

This module explains how to perform migration tasks from Configuration Manager 2007 and upgrade Configuration Manager 2012 to Configuration Manager 2012 SP1 and then to System Center 2012 R2 Configuration Manager.

**Lessons**

* Overview of the Migration Process
* Preparing Configuration Manager 2007 Sites for Migration
* Configuring Migration Settings
* Migrating Objects
* Upgrading Configuration Manager 2012 to Configuration Manager 2012 with SP1 and then to System Center 2012 R2 Configuration Manager

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

After completing this module, students will be able to:

* Describe the migration process from Configuration Manager 2007 to Configuration Manager 2012.
* Prepare Configuration Manager 2007 sites for migration.
* Configure migration settings.
* Migrate objects.
* Upgrade a Configuration Manager site to System Center 2012 R2 Configuration Manager.