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Systems Center 2012 Configuration Manager

Course ID MDTS-10747

System Center 2012 Configuration Manager (Administering)

Course 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.

Who Should Attend

This course is intended for Configuration Manager Administrators who are responsible for configuring and managing one or more System Center 2012 Configuration Manager sites and all supporting systems. They have one to three years of experience supporting multiple desktop and server computers running the Windows Server operating system in medium to large enterprise organizations. Administrators may have previous Configuration Manager experience, or be new to the product.

Individuals who are interested in taking exam 70-243 TS: Microsoft System Center 2012 Configuration Manager, Configuring can also attend this course. Both Configuration Manager courses will be necessary to prepare for the exam.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Labs

- Lab: Exploring the Configuration Manager Console
- Lab: Monitoring and Troubleshooting a Configuration Manager Site
- Lab: Configuring Resource Discovery and Boundaries
- Lab: Configuring User and Device Collections
- Lab: Configuring Role-Based Administration
- Lab: Deploying the Configuration Manager Client
- Lab: Managing Client Settings
- Lab: Configuring and Monitoring Client Status
- Lab: Configuring and Managing Inventory Collection
- Lab: Configuring and Managing Asset Intelligence
- Lab: Configuring Software Metering
- Lab: Creating and Running Queries
- Lab: Configuring Reporting
- Lab: Managing Software Deployment by Using Packages and Programs
- Lab: Creating and Deploying an Application
- Lab: Deploying Applications from the Application Catalog
- Lab: Advanced Application Deployment
- Lab: Managing Application Supersedence and Removal
- Lab: Configuring the Site for Software Updates
- Lab: Deploying and Managing Software Updates
- Lab: Implementing Endpoint Protection
- Lab: Preparing the Environment for Operating System Deployment
- Lab: Building and Capturing a Reference Image
- Lab: Performing an In-Place Upgrade
- Lab: Managing Compliance Settings
- Lab: Managing Mobile Devices
- Lab: Configuring Power Management Settings
- Lab: Configuring Remote Control

What You'll Learn

After completing 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.