



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

10747: Administering System Centre 2012 Configuration Manager

Duration: 5 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course describes how to configure and manage a System Centre 2012 R2 Configuration Manager site and its associated site systems. It focuses on day-to-day management tasks for the System Centre 2012 R2 Configuration Manager.

Target Audience

This course is intended for:

- IT Professionals who are responsible for configuring and managing endpoints in one or more System Centre 2012 R2 Configuration Manager sites and all supporting systems.

Prerequisites

To attend this course, candidates must have:

- They have one to three years of experience managing and maintaining client computers, devices, and servers in medium to large enterprise organizations. Administrators may be new to the product or have previous Configuration Manager experience.
- Basic understanding of Windows Server® roles and services.
- Basic understanding of Microsoft® SQL Server® Reporting Services.
- System administrator-level working knowledge of:
 - Installation, configuration, and troubleshooting for Windows-based personal computers.
 - Windows® client management including endpoint security fundamentals.
 - Networking fundamentals, including TCP/IP and Domain Name System (DNS).
 - Windows Server administration concepts including Active Directory® and group policy principles and management and
 - Basic concepts of Public Key Infrastructure (PKI) security.
- Familiarity with Windows Intune.



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Course Objectives

Upon successful completion of this course, attendees will be able to:

- Describe the System Centre 2012 R2 Configuration Manager feature set and manage and troubleshoot sites by using the Configuration Manager Console and associated toolset.
- Configure boundaries and boundary groups, configure discovery methods, manage user and device collections, and implement role-based administration.
- Describe the client deployment process, configure client deployment methods, configure the client agent settings, and monitor client status.
- Describe the inventory collection process, configure, and manage hardware and software inventory, monitor inventory data flow, and use Asset Intelligence and Software Metering.
- Analyse data by creating queries and running reports.
- Create, deploy, and manage software packages and programs.
- Create and deploy applications by using the System Centre 2012 R2 Configuration Manager application model.
- Configure multiple deployment types.
- Deploy and manage software updates.
- Integrate and implement Endpoint Protection by using System Centre 2012 R2 Configuration Manager.
- Deploy operating systems by using the Configuration Manager infrastructure.
- Manage configuration items, baselines, and profiles to assess and configure settings for devices.
- Manage mobile devices by using System Centre 2012 R2 Configuration Manager.
- Configure Wake On LAN, Power Management policies, and Remote Control.

Course Topics

Module 1: Overview of System Centre 2012 Configuration Manager

- Introduction to System Centre 2012 Configuration Manager
- Overview of System Centre 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

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

Module 3: Managing the Configuration Manager Client

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



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Course Topics *Continued*

Module 4: Managing Inventory and Software Metering

- 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

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

Module 6: Managing Software Deployments by Using Packages and Programs

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

Module 7: Creating and Deploying Applications

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

Module 8: Managing Application Deployment

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

Module 9: Deploying and Managing Software Updates

- 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

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

Module 11: Managing Operating System Deployment

- 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

- Overview of Compliance Settings
- Configuring Compliance Settings
- Viewing Compliance Results

Module 13: Managing Mobile Devices

- 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

- Configuring Wake On LAN
- Overview of Out of Band Management
- Configuring Power Management Settings
- Configuring Remote Control

LABS INCLUDED