

Planning, Deploying and Managing Microsoft Systems Center Configuration Manager 2007

Number of Days: Five (5)

This five-day, intermediate course will provide the attendee with the knowledge and skills to plan, deploy, and manage Configuration Manager 2007. The course focuses on planning and deploying sites and clients, configuring software distribution, deploying operating systems, and managing software updates. The course also focuses on remote tools and managing mobile devices. This course is intended for Administrators who are responsible for configuring and managing one or more Configuration Manager 2007 sites and all supporting systems. This class introduces attendees to a number of the features in SCCM 2007 but does not drill down into any one of these technologies in depth.

Prerequisites:

This course has no formal pre-requisites but assumes that the attendee will have a background in the administration of Windows or Windows based applications. No knowledge of Operations Manager is required.

Instructors:

The instructors that deliver this course are experienced, enterprise consultants who have experience in the deployment of Operations Manager. All of our instructors have real-world expertise and are both accomplished consultants and excellent presenters that make the delivery interesting and provide insight into real world issues that they have had to provide solutions to.

Description:

This class consists of the following sessions:

Session 1: Overview of Configuration Manager 2007

Session 2: Planning and Deploying a Single-Site Architecture

Session 3: Planning and Deploying Configuration Manager 2007 Clients

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- Session 4:** Collecting Inventory and Metering Software Usage
- Session 5:** Querying and Reporting Data
- Session 6:** Preparing For and Managing Software Distribution
- Session 7:** Deploying Operating Systems Using Configuration Manager 2007
- Session 8:** Deploying and Managing Software Updates
- Session 9:** Working with Desired Configuration Management in Configuration Manager 2007
- Session 10:** Using Remote Tools and Wake On LAN Features
- Session 11:** Managing Mobile Devices Using Configuration Manager 2007
- Session 12:** Maintaining and Troubleshooting Configuration Manager 2007
- Session 13:** Planning and Configuring a Multiple Site Hierarchy

Session 1: Overview of Configuration Manager 2007

- Lesson 1: Where Configuration Manager 2007 Fits Within the System Center Solution
- Lesson 2: Configuration Manager 2007 Features
- Lesson 3: Overview of Configuration Manager Site Architecture
- Lesson 4: Configuration Manager Client Overview

Session 2: Planning and Deploying a Single-Site Architecture

- Lesson 1: Planning to Deploy a Configuration Manager Site
- Lesson 2: Preparing to Deploy a Configuration Manager Site
- Lesson 3: Installing a Configuration Manager Site Server
- Lab A: Deploying a Configuration Manager Site Server
- Lesson 4: Discovering Resources
- Lesson 5: Upgrading an SMS 2003 Site to Configuration Manager 2007
- Lab B: Managing Users and Configuring Boundaries and Discovery Methods

Session 3: Planning and Deploying Configuration Manager 2007 Clients

- Lesson 1: Preparing for Client Deployment
- Lesson 2: Deploying Clients
- Lab A: Deploying Configuration Manager Clients
- Lesson 3: Managing Configuration Manager Client Installations
- Lesson 4: Troubleshooting Client Deployment Problems
- Lab B: Reviewing Client Deployment

Session 4: Collecting Inventory and Metering Software Usage

- Lesson 1: Overview of Inventory Collection
- Lesson 2: Collecting Hardware Inventory
- Lesson 3: Collecting Software Inventory
- Lesson 4: Managing Inventory
- Lab A: Collecting Inventory
- Lesson 5: Configuring Software Metering

- Lab B: Configuring Software Metering

Session 5: Querying and Reporting Data

- Lesson 1: Introduction to the Architecture of Data and Status Queries
- Lesson 2: Creating and Running Queries
- Lab A: Creating Queries
- Lesson 3: Configuring and Deploying a Reporting Point
- Lab B: Creating a Reporting Point
- Lesson 4: Creating and Running Reports
- Lab C: Creating Reports
- Lesson 5: Creating and Running Dashboards

Session 6: Preparing for and Managing Software Distribution

- Lesson 1: Overview of the Software Distribution Processes
- Lesson 2: Preparing the Site for Software Distribution Objects
- Lab A: Preparing a Site for Software Distribution
- Lesson 3: Configuring Software Distribution Objects
- Lesson 4: Creating and Configuring Collections
- Lesson 5: Creating and Configuring Packages and Programs
- Lesson 6: Distributing and Advertising a Program
- Lesson 7: Monitoring and Troubleshooting Software Distribution
- Lab B: Deploying and Application Using Software Distribution

Session 7: Deploying Operating Systems Using Configuration Manager 2007

- Lesson 1: Overview of Operating System Deployment
- Lesson 2: Task Sequences in Operating System Deployment
- Lesson 3: Capturing an Operating System Image
- Lab A: Capturing a Reference Computer Using Configuration Manager 2007
- Lesson 4: Deploying an Operating System
- Lesson 5: Configuring Operating System Image Deployments Using PXE
- Lab B: Deploying Operating Systems Using PXE

Session 8: Deploying and Managing Software Updates

- Lesson 1: Overview of Software Updates
- Lesson 2: Preparing the Configuration Manager Infrastructure for Software Updates
- Lesson 3: Managing Software Updates
- Lesson 4: Monitoring and Troubleshooting Software Updates
- Lab: Deploying and Managing Software Updates

Session 9: Working with Desired Configuration Management in Configuration Manager 2007

- Lesson 1: Overview of Desired Configuration Management
- Lesson 2: Configuring Desired Configuration Management
- Lesson 3: Viewing and Troubleshooting Compliance Results
- Lab: Configuring Desired Configuration Management

Session 10 Using Remote Tools and Wake On LAN Features

- Lesson 1: About Configuration Manager Remote Tools
- Lesson 2: Configuring the Remote Tools Client Agent
- Lesson 3: Monitoring and Securing Configuration Manager Remote Tools
- Lab A: Configuring and Using Remote Tools
- Lesson 4: Configuration Manager Wake On LAN
- Lesson 5: Configuring and Monitoring Wake On LAN
- Lab B: Configuring and Using Wake On LAN

Session 11: Managing Mobile Devices Using Configuration Manager 2007

- Lesson 1: Overview of Mobile Device Management
- Lesson 2: Configuring Server Settings to Support Mobile Device Management
- Lab A: Configuring the Site Server to Support Mobile Device Management
- Lesson 3: Configuring Client Settings
- Lesson 4: Managing Mobile Devices
- Lab B: Managing Mobile Devices Using Configuration Manager 2007

Session 12: Maintaining and Troubleshooting Configuration Manager 2007

- Lesson 1: Maintaining Configuration Manager 2007
- Lesson 2: Backup and Recovery of Configuration Manager 2007
- Lesson 3: Configuration Manager Troubleshooting Tools
- Lab: Maintaining and Troubleshooting a Configuration Manager Site System

Session 13: Planning and Configuring a Multiple Site Hierarchy

- Lesson 1: Introduction to the Configuration Manager Site Hierarchy
- Lesson 2: Configuring Configuration Manager Site Communications
- Lab A: Planning a Configuration Manager 2007 Hierarchy
- Lesson 3: Installing a Secondary Site Server
- Lab B: Installing Secondary Sites and Proxy Management Points
- Lesson 4: Decommissioning Sites and Hierarchies
- Lesson 5: Roaming in Multiple Site Hierarchies
- Lab C: Roaming Between Configuration Manager 2007 Sites