

System Center Configuration Manager 2007: Hands-On - 4 Days

Course 965 Overview

- You Will Learn How To**
- Install, configure, deploy and leverage SCCM 2007 throughout your Windows enterprise
 - Prepare for and implement SCCM sites
 - Enable client agent settings for optimal performance
 - Customize sites, establish system roles and designate discovery methods
 - Distribute applications, operating systems and security updates
 - Run queries, initiate remote control and troubleshoot sites

Course Benefits Microsoft System Center Configuration Manager 2007 offers significant enhancements for Windows resource management through comprehensive inventory collection, software distribution, Windows OS deployment and security patching. SCCM allows organizations to reduce the total cost of ownership and gain control over their computing environments. In this course, you gain the skills needed to configure and manage SCCM.

Who Should Attend Anyone involved in using SCCM as an enterprise configuration and change management solution. Experience with Windows at the level of Course 960, "Windows Server 2008 Comprehensive Introduction," is assumed.

Hands-On Training Throughout this course, you gain practical experience planning and deploying SCCM. Extensive hands-on exercises include:

- Installing and configuring SCCM
- Configuring Discovery methods
- Setting up client agents and creating collections
- Deploying SCCM clients
- Distributing applications and security updates
- Managing clients remotely
- Recovering sites with the Site Recovery Wizard
- Enabling Desired Configuration Management (DCM)

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Course 965 Outline

System Center Configuration Manager

The benefits of SCCM

- Asset management
- Software distribution
- Remote management
- Security updates

Enhancements and new features

- Desired Configuration Management (DCM)
- Wake-On LAN
- Integration with WSUS
- Expanded Operating System deployment
- Support for Internet clients

Planning for SCCM Implementation

Designing your SCCM architecture

- Extending Active Directory
- Determining site hierarchy
- Optimizing SCCM with system role placement
- Defining software and hardware requirements

Installing SCCM on your network

- Creating primary and secondary sites
- Running command line options
- Initiating an unattended installation

Upgrading from SMS 2003

- Choosing side-by-side migrations vs. upgrading
- Maintaining mixed sites

Securing SCCM sites

- Specifying native vs. mixed mode
- Determining security controls
- Synchronizing SCCM updates database

Installing SCCM Clients

Determining client agent configuration

- Controlling software and hardware inventory
- Establishing inventory frequency
- Leveraging remote control settings
- Appraising advertised client program settings

Assessing client installation methods

- Client push installation
- Group policy
- Software Update Point installation

Viewing inventory

- Running Resource Explorer
- Analyzing SCCM reports
- Reviewing inventory history

Configuring and Customizing Sites

Setting site properties

- Declaring site boundaries and addresses
- Conducting component configuration
- Examining the power management features of R3

Establishing System roles

- Enabling functionality with Management, Software Update, Distribution Points and other roles

Choosing Discovery methods

- Network
- Heartbeat
- Active Directory
- Scheduling and scoping Discovery

Deploying Software, Operating Systems and Patches

Creating software packages and advertisements

- Defining programs and requirements
- Selecting packages, programs and distribution points
- Scheduling and monitoring optional, mandatory or recurring distributions
- Targeting advertisements to collections

Operating System Deployment (OSD)

- Generating task sequences
- Capturing and deploying images

Managing security updates

- Integrating WSUS with SCCM
- Implementing maintenance windows

Querying SCCM and Remote Administration

Creating and running queries

- Reviewing results
- Building collections from queries

Leveraging Remote Control

- Choosing Remote Assistance, Remote Desktop or Remote Tools
- Testing remote access

Troubleshooting and Site Maintenance

Implementing SCCM tools and techniques

- Working with the SCCM 2007 Toolkit
- Utilizing the status system and status summarizers

Backup and recovery

- Backing up and restoring sites
- Running the Site Repair Wizard