

10748 - Deploying System Center 2012 Configuration Manager

Duration: 3 days

Overview:

This course describes how to plan and deploy a System Center 2012 Configuration Manager hierarchy, including the central administration site, one or more primary sites and secondary sites, and all associated site systems. This course also covers migration from System Center Configuration Manager 2007.

Target Audience:

This course is intended for:

- Systems Engineers who need to plan a Microsoft System Center 2012 Configuration Manager deployment. They have three to five years of experience in medium to large enterprise organisations supporting multiple desktop and server computers that run Microsoft Windows.
- Configuration Manager Administrators responsible for designing and deploying one or more System Center 2012 Configuration Manager sites and all supporting systems. They have three to five years of experience in medium to large enterprise organisations supporting multiple desktop and server computers that run Microsoft Windows Server.

Pre-requisites:

Students who attend this training can meet the prerequisites by obtaining equivalent knowledge and skills, or by attending the following courses:

- [Course 6419: Configuring, Managing and Maintaining Windows Server 2008-based Servers](#)
- [Course 6420: Fundamentals of Windows Server 2008](#)
- [Course 10747: System Center 2012 Configuration Manager](#) or
- [Course 6451B: Planning, Deploying and Managing Microsoft System Center Configuration Manager 2007](#), plus six months of hands-on experience with Configuration Manager 2012

Module 1: Overview of System Center 2012 Configuration Manager

Lessons

- Introduction to System Center 2012 Configuration Manager
- Overview of the Configuration Manager 2012 Server Infrastructure
- Configuration Manager 2012 Deployment Scenarios
- Overview of the Configuration Manager 2012 Client

Module 2: Planning and Deploying a Single-Site Environment

Lessons

- Planning a System Center 2012 Configuration Manager Stand-Alone Deployment
- Preparing to Deploy a Configuration Manager 2012 Site
- Installing a Configuration Manager 2012 Site Server
- Performing Post-Setup Configuration Tasks
- Tools for Monitoring and Troubleshooting a Configuration Manager 2012 Installation
- Managing Internet-Based Clients

Lab : Installing a Configuration Manager 2012 Primary Site

- Configuring the Prerequisites for Configuration Manager 2012 Deployment
- Extending the Active Directory Schema
- Installing a Configuration Manager 2012 Stand-Alone Primary Site

Lab : Performing Post-Setup Configuration Tasks

- Validating the Installation of the Primary Site
- Performing the Initial Configuration of the Primary Site

Module 3: Planning and Configuring Role-Based Administration

Lessons

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

Lab : Planning and Configuring Role-Based Administration

- Reviewing Built-in Security Roles and Scopes
- Creating Custom Security Roles and Scopes
- Testing the Permissions of the New Role

Module 4: Planning and Deploying a Multiple-Site Hierarchy

Lessons

- Planning a Configuration Manager 2012 Hierarchy
- Deploying a Configuration Manager 2012 Site
- Overview of the Central Administration Site
- Overview of Primary Sites
- Overview of Secondary Sites

Lab : Installing the Central Administration Site

- Extending the Active Directory Schema
- Installing a Central Administration Site
- Validating the Installation

Lab : Installing a Primary Site in an Existing Hierarchy

- Installing a Primary Site in an Existing Hierarchy
- Validating the Installation
- Automating the Installation of a Primary Site

Lab : Installing a Secondary Site

- Configuring Prerequisites
- Installing a Secondary Site from a Primary Site
- Validating the Installation

Module 5: Data Replication and Content Management

Lessons

- Introduction to Data Types and Replication
- Monitoring and Troubleshooting Data Replication
- Planning for Content Management
- Configuring and Monitoring Content Management

Lab : Monitoring and Troubleshooting Data Replication

- Monitoring Replication
- Troubleshooting Replication

Lab : Configuring Content Management

- Create a Distribution Point and a Distribution Point Group
- Distribute and monitor content
- Perform content prestaging

At Course Completion:

After completing this course, students will be able to:

- Plan and deploy a single primary site
- Plan and configure administrative roles
- Plan and deploy a multiple-site hierarchy including the central administration site, primary sites, and secondary sites
- Describe replication and data types, and monitor the replication of data throughout the hierarchy
- Use various methods to plan and deploy Configuration Manager 2012 clients
- Perform maintenance tasks and monitor site systems
- Perform migration of objects from Configuration Manager 2007 to Configuration Manager 2012

CODE: 0-0-MSM10748-ILT

Module 6: Planning and Completing System Center 2012 Configuration Manager Client Deployment

Lessons

- Introduction to Discovery Methods
- Introduction to Configuration Manager 2012 Client Deployment
- Deploying Configuration Manager 2012 Clients
- Managing Configuration Manager 2012 Clients
- Monitoring Configuration Manager 2012 Client Health

Lab : Planning and Completing System Center 2012 Configuration Manager Client Deployment

- Configuring Active Directory Discovery Methods
- Using Client Push to Install Configuration Manager 2012 Clients
- Verifying Configuration Manager 2012 Client Installation

Module 7: Maintaining and Monitoring System Center 2012 Configuration Manager

Lessons

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

Lab : Maintaining and Monitoring System Center 2012 Configuration Manager

- Configuring the Site Backup Task
- Recovering the Site from a Backup
- Monitoring Configuration Manager

Module 8: Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager

Lessons

- Overview of the Migration Process
- Preparing Configuration Manager 2007 Sites for Migration
- Configuring Migration Settings
- Migrating Objects

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

- Configuring the Source Hierarchy
- Creating a Migration Job and Performing Migration