MOC 10748 A Deploying System Center 2012 Configuration Manager

Course Summary

Description

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

Objectives
At the end of this course, students will be able to:

- Describe the Configuration Manager 2012 infrastructure and describe typical deployment scenarios.
- Plan and deploy a single primary site.
- Plan and configure administrative roles.
- Plan and deploy a multiple-site hierarchy including primary sites, CAS 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.

Topics

- Overview of System Center 2012 Configuration Manager
- Planning and Deploying a Single-Site Environment
- Planning and Configuring Role-Based Administration
- Planning and Deploying a Multiple-Site Hierarchy
- Data Replication and Content Management
- Planning and Completing System Center 2012 Configuration Manager Client Deployment
- Maintaining and Monitoring System Center 2012 Configuration Manager
- Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager

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 organizations 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 organizations supporting multiple desktop and server computers that run Microsoft Windows Server.

Prerequisites

Experience in the following areas is required:

- Networking fundamentals, including TCP/IP and Domain Name System (DNS).
- Active Directory Domain Services (AD DS) principles and management.
- Windows Server management including Windows Server 2008 and Windows Server 2008 R2.
- Windows Client fundamentals.
- Deployment, configuration, and troubleshooting for Windows-based personal computers.
- SQL Server 2008 including reporting services.
- Basic Public Key Infrastructure concepts.
- Configuration Manager features and administrative tasks

Duration

Three days

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Course Outline

I. Overview of System Center 2012 Configuration Manager
- A. Introduction to System Center 2012 Configuration Manager
- B. Overview of the Configuration Manager 2012 Server Infrastructure
- C. Configuration Manager 2012 Deployment Scenarios
- D. Overview of the Configuration Manager 2012 Client

II. Planning and Deploying a Single-Site Environment
- A. Planning a Configuration Manager 2012 Site Deployment
- B. Preparing to Deploy a Configuration Manager 2012 Site
- C. Installing a Configuration Manager 2012 Site Server
- D. Performing Post-Setup Configuration Tasks
- E. Tools for Monitoring and Troubleshooting a Configuration Manager 2012 Installation
- F. Managing Internet-Based Clients
- G. Lab: Installing a Configuration Manager 2012 Primary Site
  1. Configuring the Prerequisites for Configuration Manager 2012 Deployment
  2. Extending the Active Directory Schema
  3. Installing a Configuration Manager 2012 Stand-Alone Primary Site
- H. Lab: Performing Post-Setup Configuration Tasks
  1. Validating the Installation of the Configuration Manager 2012 Primary Site
  2. Performing the Initial Configuration of the Site

III. Planning and Configuring Role-Based Administration
- A. Overview of Role-Based Administration
- B. Identifying IT Roles in Your Organization
- C. Configuring Role-Based Administration
- D. Lab: Planning and Configuring Role-Based Administration
  1. Reviewing Built-in Security Roles and Scopes
  2. Creating Custom Security Roles and Scopes
  3. Testing the Permissions of the New Role

IV. Planning and Deploying a Multiple-Site Hierarchy
- A. Introduction to the Configuration Manager 2012 Site Hierarchy
- B. Deploying a Configuration Manager 2012 Site
- C. Overview of the Central Administration Site
- D. Overview of Primary Sites
- E. Overview of Secondary Sites
- F. Lab: Installing a Central Administration Site
  1. Installing a Central Administration Site
  2. Validating the Installation
- G. Lab: Installing a Primary Site in an Existing Hierarchy
  1. Installing a Primary Site in an Existing Hierarchy
  2. Validating the Installation
  3. Automating the Installation of a Primary Site
- H. Lab: Installing a Secondary Site
  1. Configuring Prerequisites
  2. Installing a Secondary Site from a Primary Site
  3. Validating the Installation

V. Data Replication and Content Management

This module describes types and data replication, monitoring and troubleshooting data replication throughout the hierarchy, and planning for, configuring, and monitoring content management.
- A. Introduction to Data Types and Replication
- B. Monitoring and Troubleshooting Data Replication
- C. Planning for Content Management
- D. Configuring and Monitoring Content Management

VI. Lab : Monitoring and Troubleshooting Data Replication
1. Monitoring Replication
2. Troubleshooting Replication

VII. Lab : Configuring Content Management
1. Create a Distribution Point and a Distribution Point Group
2. Distribute and monitor content
3. Perform content prestaging

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Course Outline (cont'd)

VIII. Planning and Completing System Center 2012 Configuration Manager Client Deployment

A. Introduction to Discovery Methods
B. Introduction to Configuration Manager 2012 Client Deployment
C. Deploying Configuration Manager 2012 Clients
D. Managing Configuration Manager 2012 Clients
E. Monitoring Configuration Manager 2012 Client Health
F. Lab: Planning and Completing System Center 2012 Configuration Manager Client Deployment
   1. Configuring Active Directory Discovery Methods
   2. Using Client Push to Install Configuration Manager 2012 Clients
   3. Verifying Configuration Manager 2012 Client Installation

IX. Maintaining and Monitoring System Center 2012 Configuration Manager

A. Overview of Configuration Manager 2012 Maintenance Tasks
B. Performing Backup and Recovery of Configuration Manager 2012
C. Monitoring Configuration Manager 2012 Site Systems
D. Lab: Maintaining and Monitoring Configuration Manager 2012
   1. Configuring the Site Backup Task
   2. Recovering the Site from a Backup
   3. Using the In-Console Monitoring Feature
   4. Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager
   5. Overview of the Migration Process
   6. Preparing Configuration Manager 2007 Sites for Migration
   7. Configuring Migration Settings
   8. Migrating Objects
E. Lab: Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager
   1. Configuring the Source Hierarchy
   2. Creating a Migration Job and Performing Migration
   3. Migrating Configuration Manager Clients

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