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## 10748: Deploying System Center 2012 Configuration Manager

Duration: 3 Days

### Course Outline

#### Module 1: Overview of System Center 2012 Configuration Manager

This module describes the Configuration Manager 2012 infrastructure and typical deployment scenarios.

##### Lessons

- Introduction to System Center 2012 Configuration Manager
- Overview of the Configuration Manager 2012 Server Default Site System Roles
- Overview of the Configuration Manager 2012 Server Optional Site System Roles
- Overview of Configuration Manager 2012 Deployment Scenarios

After completing this module, students will be able to:

- Describe the System Center 2012 Configuration Manager architecture.
- Describe the Configuration Manager 2012 server infrastructure.
- Describe typical Configuration Manager 2012 deployment scenarios.
- Describe the Configuration Manager 2012 client.

#### Module 2: Planning and Deploying a Stand-Alone Primary Site

This module explains the planning process, inputs, and typical planning activities for deploying a stand-alone primary site. It also describes the prerequisites for installing a site server and related components, the process of installing, configuring, and monitoring a stand-alone primary site. This module also describes the requirements for managing Internet-based clients and configuring a Microsoft PKI solution.

##### Lessons

- Planning a System Center 2012 Configuration Manager Stand-Alone Primary Site Deployment
- Preparing to Deploy a Configuration Manager 2012 Primary 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

**Lab : Configuring PKI for Configuration Manager**

- Creating Certificate Templates for Configuration Manager
- Deploying Certificates for Configuration Manager

After completing this module, students will be able to:

- Describe the planning tasks for a Configuration Manager 2012 primary site deployment.
- Identify the preparation steps for deploying Configuration Manager 2012.
- Install a Configuration Manager 2012 primary site.
- Perform post-setup configuration tasks.
- Describe the tools used to monitor and troubleshoot a Configuration Manager 2012 installation.
- Describe processes used to manage Internet-based clients.

**Module 3: Planning and Configuring Role-Based Administration**

This module explains how to plan and configure administrative roles.

**Lessons**

- Overview of Role-Based Administration
- Identifying IT Roles in Your Organization
- 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

After completing this module, students will be able to:

- Describe role-based administration concepts.
- Describe the process of identifying a typical IT department's job roles and identify their responsibilities and activities.
- Create new security roles and configure scopes in Configuration Manager 2012.

**Module 4: Planning and Deploying a Multiple-Site Hierarchy**

This module explains how to plan and deploy a multiple-site hierarchy including the central administration site, primary sites, and secondary sites.

**Lessons**

- Planning a Configuration Manager 2012 Multiple-Site Hierarchy
- Deploying a Configuration Manager 2012 Site

- Deploying the Central Administration Site
- Deploying Primary Sites in a Hierarchy
- Deploying Secondary Sites

**Lab : Installing the Central Administration Site**

- Extending the Active Directory Schema
- Installing the 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

After completing this module, students will be able to:

- Describe the Configuration Manager 2012 hierarchy model, types of sites, and when to use each site type.
- Describe the role of the central administration site in a hierarchy.
- Install the central administration site.
- Install a primary site in an existing hierarchy.
- Install a secondary site.

**Module 5: 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.

**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

After completing this module, students will be able to:

- Describe site and global data types and how data is replicated throughout the hierarchy.
- Monitor and troubleshoot data replication.
- Plan for content management.
- Configure and monitor content management.

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

This module explores various methods to plan and deploy Configuration Manager 2012 clients, including discovery methods, client deployment methods, managing clients, and monitoring client status.

### **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 Status

### **Lab : Planning and Completing Configuration Manager 2012 Client Deployment**

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

After completing this module, students will be able to:

- Describe resource discovery processes and methods.
- Describe the client installation process and client deployment methods.
- Plan and complete a typical client deployment.
- Describe managing Configuration Manager 2012 clients after installation.
- Describe the new Client Health feature in Configuration Manager 2012.

## **Module 7: Maintaining and Monitoring System Center 2012 Configuration Manager**

This module describes how to perform various Configuration Manager 2012 maintenance tasks, and how to monitor site systems.

### **Lessons**

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

- 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

After completing this module, students will be able to:

- Describe Configuration Manager 2012 site maintenance tasks.
- Back up and recover a Configuration Manager 2012 site.
- Monitor Configuration Manager 2012 site systems.

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

This module describes the migration of objects from Configuration Manager 2007 to Configuration Manager 2012.

### **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

After completing this module, students will be able to:

- Describe the migration process from Configuration Manager 2007 to Configuration Manager 2012.
- Prepare Configuration Manager 2007 sites for migration.
- Configure migration settings.
- Migrate objects.