

Deploying System Center 2012 Configuration Manager

Duration 3 Days

COURSE DESCRIPTION

This three-day Microsoft Official course is designed for IT Professionals who are responsible for designing and deploying one or more System Center 2012 R2 Configuration Manager sites and all supporting systems, as well as configuring and managing endpoints in those systems. You will learn how to plan for the deployment of the central administration site, one or more primary sites and secondary sites, and all associated site systems. You will also learn how to migrate from System Center 2012 Configuration Manager to System Center 2012 R2 Configuration Manager.

COURSE OBJECTIVES

At the end of this course you will be able to:

- Describe the System Center 2012 R2 Configuration Manager infrastructure.
- Plan and deploy a stand-alone primary site.
- Plan and configure role-based administration.
- Plan and deploy a multiple site hierarchy.
- Replicate data and manage content in Configuration Manager.
- Plan resource discovery and client deployment.
- Configure Internet and cloud-based client management.
- Maintain and monitor System Center 2012 R2 Configuration Manager.
- Migrate to System Center 2012 R2 Configuration Manager.

COURSE OUTLINE

Module 1: Overview of System Center 2012 R2 Configuration Manager

This module explains the System Center 2012 R2 Configuration Manager infrastructure and the typical deployment scenarios.

- Introduction to System Center 2012 R2 Configuration Manager
- Overview of the Configuration Manager Site System Roles
- Overview of the Configuration Manager Optional Site System Roles
- Overview of Configuration Manager Deployment Scenarios
- Overview of the Configuration Manager Client

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

This module explains how to plan and deploy a stand-alone primary site.

- Planning a Configuration Manager Stand-Alone Primary Site Deployment
- Preparing to Deploy a Configuration Manager Primary Site
- Installing a Configuration Manager Site Server
- Performing Post-Setup Configuration Tasks
- Tools for Monitoring and Troubleshooting a Configuration Manager Site

Lab: Installing a Configuration Manager 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

This module explains how to plan and configure Configuration Manager administrative users and access.

- 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

Module 4: Planning and Deploying a Multiple-Site Hierarchy

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

- 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 a Site Hierarchy

- Using Hierarchy Expansion to Install the Central Administration Site

Lab: Verifying a Site 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: Replicating Data and Managing Content in Configuration Manager 2012

This module explains how to plan, configure, and monitor data types, intersite communication, replication, and content.

- Introduction to Data Types and Replication
- Managing Data Replication
- Planning Content Management

Lab: Configuring, Monitoring, and Troubleshooting Data Replication

- Verifying and Configuring Replication Settings
- Monitoring Replication
- Troubleshooting Replication

Lab: Planning and Configuring Content Management

- Planning Content Distribution
- Implementing Distribution Points
- Implementing Content Prestaging
- Implementing BranchCache to Support Content Management

Module 6: Planning Resource Discovery and Client Deployment

This module explains how to plan and use various methods to discover resources and deploy the Configuration Manager client.

- Identifying Resources by Using Configuration Manager Discovery Methods
- Client Deployment in Configuration Manager
- Deploying Windows-Based Configuration Manager Clients
- Managing Configuration Manager Clients
- Monitoring Client Status in Configuration Manager

Lab: Implementing Configuration Manager Client Deployment

- Configuring Active Directory Discovery Methods
- Using Client Push to Install the Configuration Manager Client
- Using Group Policy to Install the Configuration Manager Client

Module 7: Configuring Internet and Cloud-Based Client Management

- This module explains how to plan and configure Internet and cloud-based client management.
- Managing Remote Clients by Using System Center 2012 R2 Configuration Manager
- Managing Internet-Based Configuration Manager Clients
- Configuring Cloud Services in System Center 2012 R2 Configuration Manager

Lab: Configuring PKI for Configuration Manager

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

Lab: Configuring Windows Intune Integration with System Center 2012 R2 Configuration Manager

- Signing Up for a Windows Intune Trial Account and Configuring Directory Synchronization
- Configuring the Windows Intune Connector Role

Module 8: Maintaining and Monitoring System Center 2012 Configuration Manager

This module explains how to perform maintenance tasks and monitor the Configuration Manager site systems.

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

Lab: Maintaining System Center 2012 Configuration Manager

- Configuring Maintenance Tasks in Configuration Manager
- Configuring the Site Backup Task
- Recovering a Site from a Backup

Module 9: Migrating to System Center 2012 R2 Configuration Manager

This module explains how to perform migration tasks from Configuration Manager 2007 and upgrade Configuration Manager 2012 to Configuration Manager 2012 SP1 and then to System Center 2012 R2 Configuration Manager.

- Overview of the Migration Process
- Preparing Configuration Manager 2007 Sites for Migration
- Configuring Migration Settings
- Migrating Objects
- Upgrading Configuration Manager 2012 to Configuration Manager 2012 with SP1 and then to System Center 2012 R2 Configuration Manager

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
- Migrating a Secondary Site to a Distribution Point

PREREQUISITES

Before attending this course, delegates must have a working knowledge at the system-administrator level of:

- Networking fundamentals, including TCP/IP and Domain Name System (DNS)
- Active Directory Domain Services (AD DS) principles and management
- Windows Server management including managing Windows Server 2008 R2 and Windows Server 2012
- Windows Client fundamentals
- Deployment, configuration, and troubleshooting for Windows-based personal computers
- Basic public key infrastructure (PKI) concepts
- Configuration Manager features and administrative tasks including:
 - Working with the System Center 2012 Configuration Manager or newer administrator console
 - Installing clients
 - Maintaining hardware and software inventory
 - Working with collections
 - Reporting
 - Deploying applications
 - Managing software updates
 - Deploying operating systems
 - Settings management

WHO SHOULD ATTEND

This course is intended for Information Technology (IT) professionals who are responsible for designing and deploying one or more System Center 2012 R2 Configuration Manager sites and all supporting systems. They should have three to five years of experience in medium to large enterprise organizations, in a role in which they are supporting multiple desktop and server computers that run Windows-based operating systems.