KOENIG SOLUTIONS · COURSE OUTLINE

Planning and Deploying System Center 2012 Configuration Manager

9	73	34
MODULES	TOPICS	HANDS-ON LABS

LEARNING OBJECTIVES

- Describe the Configuration Manager architecture and infrastructure
- Plan and deploy a stand-alone primary site
- Configure role-based administration for administrative users
- Plan and deploy a multiple-site hierarchy with a central site
- Manage data replication and plan content management
- Plan resource discovery and client deployment methods
- Configure Internet and cloud-based client management
- Perform site maintenance, backup, recovery and migration tasks

COURSE SYLLABUS

9 Modules, 73 Topics

01

Overview of System Center 2012 R2 Configuration Manager

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

LESSONS

- 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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe the System Center 2012 R2 Configuration Manager architecture
- Describe the Configuration Manager server infrastructure
- Describe typical Configuration Manager deployment scenarios
- Describe the Configuration Manager client

02

5 Labs

Planning and Deploying a Stand-Alone Primary Site

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

LESSONS

- 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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe the planning tasks for a System Center 2012 Configuration Manager 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 that you can use to monitor and troubleshoot a Configuration Manager 2012 installation

03

3 Labs

Planning and Configuring Role-Based Administration

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

LESSONS

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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe role-based administration concepts
- Describe the process for identifying the roles in a typical IT department and its corresponding responsibilities and activities
- Configure role-based administration

04

6 Labs

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.

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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe the architecture and characteristics of a System Center 2012 Configuration Manager multiple-site hierarchy
- Describe the role of the central administration site in a hierarchy
- Prepare for and perform the installation of the central administration site
- Prepare for and perform the installation of primary sites in an existing hierarchy
- Identify the need to install secondary sites and perform the installation of a secondary site

05

7 Labs

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.

LESSONS

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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe site and global data types and how data is replicated throughout the hierarchy
- Manage data replication
- Plan for content management

06

3 Labs

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.

LESSONS

- 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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

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

07

4 Labs

Configuring Internet and Cloud-Based Client Management

This module explains how to plan and configure Internet and cloud-based client management.

LESSONS

- 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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Manage remote clients by using System Center 2012 R2 Configuration Manager
- Manage Internet-based Configuration Manager clients
- Configure cloud services in System Center 2012 R2 Configuration Manager

08

3 Labs

Maintaining and Monitoring System Center 2012 Configuration Manager

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

LESSONS

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

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

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

09

3 Labs

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.

LESSONS

- 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

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
- Upgrade a Configuration Manager site to System Center 2012 R2 Configuration Manager

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
02	**Planning and Deploying a Stand-Alone Primary Site**	■ **Installing a Configuration Manager Primary Site:** Configuring the Prerequisites for Configuration Manager 2012 Deployment ■ **Installing a Configuration Manager Primary Site:** Extending the Active Directory Schema ■ **Installing a Configuration Manager Primary Site:** Installing a Configuration Manager 2012 Stand-Alone Primary Site ■ **Performing Post-Setup Configuration Tasks:** Validating the Installation of the Primary Site ■ **Performing Post-Setup Configuration Tasks:** Performing the Initial Configuration of the Primary Site
03	**Planning and Configuring Role-Based Administration**	■ **Planning and Configuring Role-Based Administration:** Reviewing Built-in Security Roles and Scopes ■ **Planning and Configuring Role-Based Administration:** Creating Custom Security Roles and Scopes ■ **Planning and Configuring Role-Based Administration:** Testing the Permissions of the New Role
04	**Planning and Deploying a Multiple-Site Hierarchy**	■ **Installing a Site Hierarchy:** Using Hierarchy Expansion to Install the Central Administration Site ■ **Verifying a Site Hierarchy:** Validating the Installation ■ **Verifying a Site Hierarchy:** Automating the Installation of a Primary Site ■ **Installing a Secondary Site:** Configuring Prerequisites ■ **Installing a Secondary Site:** Installing a Secondary Site from a Primary Site ■ **Installing a Secondary Site:** Validating the Installation
05	**Replicating Data and Managing Content in Configuration Manager 2012**	■ **Configuring, Monitoring, and Troubleshooting Data Replication:** Verifying and Configuring Replication Settings ■ **Configuring, Monitoring, and Troubleshooting Data Replication:** Monitoring Replication ■ **Configuring, Monitoring, and Troubleshooting Data Replication:** Troubleshooting Replication ■ **Planning and Configuring Content Management:** Planning Content Distribution ■ **Planning and Configuring Content Management:** Implementing Distribution Points ■ **Planning and Configuring Content Management:** Implementing Content Prestaging ■ **Planning and Configuring Content Management:** Implementing BranchCache to Support Content Management

#	MODULE	ACTIVITY
06	**Planning Resource Discovery and Client Deployment**	■ **Implementing Configuration Manager Client Deployment:** Configuring Active Directory Discovery Methods ■ **Implementing Configuration Manager Client Deployment:** Using Client Push to Install the Configuration Manager Client ■ **Implementing Configuration Manager Client Deployment:** Using Group Policy to Install the Configuration Manager Client
07	**Configuring Internet and Cloud-Based Client Management**	■ **Configuring PKI for Configuration Manager:** Creating Certificate Templates for Configuration Manager ■ **Configuring PKI for Configuration Manager:** Deploying Certificates for Configuration Manager ■ Configuring Windows Intune Integration with System Center 2012 R2 Configuration Manager: Signing Up for a Windows Intune Trial Account and Configuring Directory Synchronization ■ Configuring Windows Intune Integration with System Center 2012 R2 Configuration Manager: Configuring the Windows Intune Connector Role
08	**Maintaining and Monitoring System Center 2012 Configuration Manager**	■ **Maintaining System Center 2012 Configuration Manager:** Configuring Maintenance Tasks in Configuration Manager ■ **Maintaining System Center 2012 Configuration Manager:** Configuring the Site Backup Task ■ **Maintaining System Center 2012 Configuration Manager:** Recovering a Site from a Backup
09	**Migrating to System Center 2012 R2 Configuration Manager**	■ Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager: Configuring the Source Hierarchy ■ Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager: Creating a Migration Job and Performing Migration ■ Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager: Migrating a Secondary Site to a Distribution Point

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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