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Get detailed instruction and hands-on practice planning and deploying Microsoft System Center 2012 R2 Configuration Manager and its associated site systems.

What is Planning and Deploying Microsoft System Centre 2012 (M10748)?

This three-day Microsoft Official training 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.

This training course also helps candidates prepare for Exam 70-243, MCTS: Administering and Deploying System Center 2012 Configuration Manager. Both Configuration Manager courses, 10747D and 10748C, or the equivalent knowledge and skills will be necessary to prepare for the exam.

NOTE: Windows Intune is used as part of the lab for this course, which may not be available in all countries. Please confirm with your Microsoft training provider that this cloud service is available in your area. Training Providers: please reference the course setup guide for more details.

Who is Planning and Deploying Microsoft System Centre 2012 (M10748) intended for?

This training 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.

This training course is also for individuals who are interested in taking exam 70-243 TS: Administering and Deploying System Center 2012 Configuration Manager.

Both 10747D: Administering System Center 2012 Configuration Manager and 10748C: Planning and Deploying System Center 2012 Configuration Manager are necessary to prepare for this exam.

What are the objectives of Planning and Deploying Microsoft System Centre 2012 (M10748)?

After completing this training course, students will be able to:

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- 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.

Module 1: Overview of System Center 2012 R2 Configuration ManagerThis 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.

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

Lab : Installing a Configuration Manager Primary SiteLab : Performing Post-Setup Configuration Tasks

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

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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

Lab : Planning and 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.

Module 4: Planning and Deploying a Multiple-Site HierarchyThis 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

Lab : Installing a Site HierarchyLab : Verifying a Site HierarchyLab : Installing a Secondary Site

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.

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.

Lessons

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

Lab : Configuring, Monitoring, and Troubleshooting Data ReplicationLab : Planning and Configuring Content Management

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- Manage data replication.
- Plan for content management.

Module 6: Planning Resource Discovery and Client DeploymentThis 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

Lab : Implementing Configuration Manager Client Deployment

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.

Module 7: Configuring Internet and Cloud-Based Client ManagementThis 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

Lab : Configuring PKI for Configuration ManagerLab : Configuring Windows Intune Integration with 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.

Module 8: Maintaining and Monitoring System Center 2012 Configuration ManagerThis 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

Lab : Maintaining System Center 2012 Configuration Manager

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.

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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

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

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