10748: Planning and Deploying System Centre 2012 Configuration Manager

Duration: 3 Days
Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

Participants 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. They will also learn how to migrate from System Centre 2012 Configuration Manager to System Centre 2012 R2 Configuration Manager.

Target Audience

This course is intended for:

- Information Technology (IT) professionals who are responsible for designing and deploying one or more System Centre 2012 R2 Configuration Manager sites and all supporting systems.

Prerequisites

To attend this course, candidates 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
- 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 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 Centre 2012 Configuration Manager or newer administrator console
        - Installing clients
        - Maintaining hardware and software inventory

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Prerequisites, *Continued*

- o Configuration Manager features and administrative tasks including (*continued*):
  - ■ Working with collections
  - ■ Reporting
  - ■ Deploying applications
  - ■ Managing software updates
  - ■ Deploying operating systems
  - ■ Settings management

NOTE: *Attendees can meet the prerequisites by obtaining equivalent knowledge and skills or by attending the following courses:*

- *20411: Administering Windows Server 2012*
- *20687: Configuring Windows 8.1*
- *10747: Administering System Centre 2012 Configuration Manager*

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Describe the System Centre 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 the Configuration Manager.
- Plan resource discovery and client deployment.
- Configure the Internet and cloud-based client management.
- Maintain and monitor System Centre 2012 R2 Configuration Manager.
- Migrate to System Centre 2012 R2 Configuration Manager

Course Topics

Module 1: Overview of System Centre 2012 R2 Configuration Manager

- Introduction to System Centre 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

- 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

Course Topics *Continued*

Module 3: Planning and Configuring Role-Based Administration
- Overview of Role-Based Administration
- Identifying IT Roles in Your Organization
- Configuring Role-Based Administration

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

Module 5: Replicating Data and Managing Content in Configuration Manager 2012
- Introduction to Data Types and Replication
- Managing Data Replication
- Planning Content Management

Module 6: Planning Resource Discovery and Client Deployment
- 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

Module 7: Configuring Internet and Cloud-Based Client Management
- Managing Remote Clients by Using System Centre 2012 R2 Configuration Manager
- Managing Internet-Based Configuration Manager Clients
- Configuring Cloud Services in System Centre 2012 R2 Configuration Manager

Module 8: Maintaining and Monitoring System Centre 2012 Configuration Manager
- Overview of Configuration Manager 2012 Site Maintenance
- Performing Backup and Recovery of a Configuration Manager Site
- Monitoring Configuration Manager 2012 Site Systems

Module 9: Migrating to System Centre 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 Centre 2012 R2 Configuration Manager

LABS INCLUDED