



## Deploying System Center 2012 Configuration Manager - Beta

**Days:** 3  
**Format:** Instructor-Led  
**Class Code:** 10748

Required to have sat 10747 or 6451B  
and six months hands on with  
Configuration Manager 2012

Knowledge of prerequisites  
noted below.

*Course content is subject to change  
without notice.*

### Course Description:

This course describes how to plan and deploy a System Center 2012 Configuration Manager hierarchy, including the central administration site, one or more primary sites and secondary sites, and all associated site systems. This course also covers migration from System Center Configuration Manager 2007.

### Target Student:

This course is intended for:

- Systems Engineers who need to plan a System Center 2012 Configuration Manager deployment. They have three to five years of experience in medium to large enterprise organizations supporting multiple desktop and server computers that run Microsoft Windows.
- Configuration Manager Administrators responsible for designing and deploying one or more System Center 2012 Configuration Manager sites and all supporting systems. They have three to five years of experience in medium to large enterprise organizations supporting multiple desktop and server computers that run Microsoft Windows Server

### Prerequisites:

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

System administrator-level working knowledge of:

- Required to have sat 10747 or 6451B and six months hands on with Configuration Manager 2012
- Networking fundamentals, including TCP/IP and Domain Name System (DNS).
- Active Directory Domain Services (AD DS) principles and management.
- Windows Server management including Windows Server 2008 and Windows Server 2008 R2.
- Windows Client fundamentals.
- Deployment, configuration, and troubleshooting for Windows-based personal computers.
- SQL Server 2008 including reporting services.
- Basic Public Key Infrastructure concepts.
- Configuration Manager features and administrative tasks including:
  - Working with the Administrator console
  - Installing clients
  - Hardware and software inventory
  - Working with collections
  - Reporting
  - Deploying applications
  - Managing software updates
  - Deploying operating systems
  - Settings management

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## At Course Completion:

After completing this course, students will be able to

- Describe the Configuration Manager 2012 infrastructure and describe typical deployment scenarios.
- Plan and deploy a single primary site.
- Plan and configure administrative roles.
- Plan and deploy a multiple-site hierarchy including the central administration site, primary sites, and secondary sites.
- Describe replication and data types, and monitor the replication of data throughout the hierarchy.
- Use various methods to plan and deploy Configuration Manager 2012 clients.
- Perform maintenance tasks and monitor site systems.
- Perform migration of objects from Configuration Manager 2007 to Configuration Manager 2012.
- Deploy operating systems by using System Center 2012 Configuration Manager.
- Manage Compliance Settings on devices.
- Manage mobile devices.
- Configure Wake On LAN, power management, and Remote Control.

## Course Outline

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

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

Lessons
<ul style="list-style-type: none"><li>■ Introduction to System Center 2012 Configuration Manager</li><li>■ Overview of the Configuration Manager 2012 Server Infrastructure</li><li>■ Configuration Manager 2012 Deployment Scenarios</li><li>■ Overview of the Configuration Manager 2012 Client</li></ul>
After completing this module, students will be able to:
<ul style="list-style-type: none"><li>■ Describe the Configuration Manager 2012 architecture.</li><li>■ Describe the Configuration Manager 2012 server infrastructure.</li><li>■ Describe typical Configuration Manager 2012 deployment scenarios.</li><li>■ Describe the Configuration Manager 2012 client.</li></ul>

### Module 2: Planning and Deploying a Single-Site Environment

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, validating and configuring a stand-alone primary site, and describes the requirements for managing Internet-based clients.

Lessons
<ul style="list-style-type: none"><li>■ Planning a System Center 2012 Configuration Manager Stand-Alone Deployment</li><li>■ Preparing to Deploy a Configuration Manager 2012 Site</li></ul>

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<ul style="list-style-type: none"><li>■ Installing a Configuration Manager 2012 Site Server</li><li>■ Performing Post-Setup Configuration Tasks</li><li>■ Tools for Monitoring and Troubleshooting a Configuration Manager 2012 Installation</li><li>■ Managing Internet-Based Clients</li></ul>
<b>Lab : Installing a Configuration Manager 2012 Primary Site</b>
<ul style="list-style-type: none"><li>■ Configuring the Prerequisites for Configuration Manager 2012 Deployment</li><li>■ Extending the Active Directory Schema</li><li>■ Installing a Configuration Manager 2012 Stand-Alone Primary Site</li></ul>
<b>Lab : Performing Post-Setup Configuration Tasks</b>
<ul style="list-style-type: none"><li>■ Validating the Installation of the Primary Site</li><li>■ Performing the Initial Configuration of the Primary Site</li></ul>
<b>After completing this module, students will be able to:</b>
<ul style="list-style-type: none"><li>■ Describe the planning tasks for a Configuration Manager 2012 deployment.</li><li>■ Identify the preparation steps for deploying Configuration Manager 2012.</li><li>■ Install a Configuration Manager 2012 primary site.</li><li>■ Perform post-setup configuration tasks.</li><li>■ Describe the tools used to monitor and troubleshoot a Configuration Manager 2012 installation.</li><li>■ Describe the process for managing Internet-based clients.</li></ul>

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

This module explains how to plan and configure administrative roles.

<b>Lessons</b>
<ul style="list-style-type: none"><li>■ Overview of Role-Based Administration</li><li>■ Identifying IT Roles in Your Organization</li><li>■ Configuring Role-Based Administration</li></ul>
<b>Lab : Planning and Configuring Role-Based Administration</b>
<ul style="list-style-type: none"><li>■ Reviewing Built-in Security Roles and Scopes</li><li>■ Creating Custom Security Roles and Scopes</li><li>■ Testing the Permissions of the New Role</li></ul>
<b>After completing this module, students will be able to:</b>
<ul style="list-style-type: none"><li>■ Describe role-based administration concepts.</li><li>■ Describe the process to identify the roles in a typical IT department and identify the roles' responsibilities and activities.</li><li>■ Create new security roles and configure scopes in Configuration Manager 2012.</li></ul>

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## 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
<ul style="list-style-type: none"><li>■ Planning a Configuration Manager 2012 Hierarchy</li><li>■ Deploying a Configuration Manager 2012 Site</li><li>■ Overview of the Central Administration Site</li><li>■ Overview of Primary Sites</li><li>■ Overview of Secondary Sites</li></ul>
Lab : Installing the Central Administration Site
<ul style="list-style-type: none"><li>■ Extending the Active Directory Schema</li><li>■ Installing a Central Administration Site</li><li>■ Validating the Installation</li></ul>
Lab : Installing a Primary Site in an Existing Hierarchy
<ul style="list-style-type: none"><li>■ Installing a Primary Site in an Existing Hierarchy</li><li>■ Validating the Installation</li><li>■ Automating the Installation of a Primary Site</li></ul>
Lab : Installing a Secondary Site
<ul style="list-style-type: none"><li>■ Configuring Prerequisites</li><li>■ Installing a Secondary Site from a Primary Site</li><li>■ Validating the Installation</li></ul>
After completing this module, students will be able to:
<ul style="list-style-type: none"><li>■ Describe the Configuration Manager 2012 hierarchy model, types of sites, and when to use each site type.</li><li>■ Describe the role of the central administration site in a hierarchy.</li><li>■ Install the central administration site.</li><li>■ Install a primary site in an existing hierarchy.</li><li>■ Install a secondary site.</li></ul>

## 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
<ul style="list-style-type: none"><li>■ Introduction to Data Types and Replication</li><li>■ Monitoring and Troubleshooting Data Replication</li><li>■ Planning for Content Management</li><li>■ Configuring and Monitoring Content Management</li></ul>
Lab : Monitoring and Troubleshooting Data Replication
<ul style="list-style-type: none"><li>■ Monitoring Replication</li><li>■ Troubleshooting Replication</li></ul>
Lab : Configuring Content Management
<ul style="list-style-type: none"><li>■ Create a Distribution Point and a Distribution Point Group</li><li>■ Distribute and monitor content</li></ul>

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<ul style="list-style-type: none"><li>■ Perform content prestaging</li></ul>
<b>After completing this module, students will be able to:</b>
<ul style="list-style-type: none"><li>■ Describe site and global data types and how data is replicated throughout the hierarchy.</li><li>■ Monitor and troubleshoot data replication.</li><li>■ Plan for content management.</li><li>■ Configure and monitor content management.</li></ul>

## 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 health.

<b>Lessons</b>
<ul style="list-style-type: none"><li>■ Introduction to Discovery Methods</li><li>■ Introduction to Configuration Manager 2012 Client Deployment</li><li>■ Deploying Configuration Manager 2012 Clients</li><li>■ Managing Configuration Manager 2012 Clients</li><li>■ Monitoring Configuration Manager 2012 Client Health</li></ul>
<b>Lab : Planning and Completing System Center 2012 Configuration Manager Client Deployment</b>
<ul style="list-style-type: none"><li>■ Configuring Active Directory Discovery Methods</li><li>■ Using Client Push to Install Configuration Manager 2012 Clients</li><li>■ Verifying Configuration Manager 2012 Client Installation</li></ul>
<b>After completing this module, students will be able to:</b>
<ul style="list-style-type: none"><li>■ Describe resource discovery processes and methods.</li><li>■ Describe the client installation process and deployment methods.</li><li>■ Plan and complete a typical client deployment.</li><li>■ Describe managing Configuration Manager 2012 clients after installation.</li><li>■ Describe the new Client Health feature in Configuration Manager 2012.</li></ul>

## 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.

<b>Lessons</b>
<ul style="list-style-type: none"><li>■ Overview of Configuration Manager 2012 Site Maintenance</li><li>■ Performing Backup and Recovery of Configuration Manager 2012</li><li>■ Monitoring Configuration Manager 2012 Site Systems</li></ul>
<b>Lab : Maintaining and Monitoring System Center 2012</b>

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Configuration Manager
<ul style="list-style-type: none"><li>■ Configuring the Site Backup Task</li><li>■ Recovering the Site from a Backup</li><li>■ Monitoring Configuration Manager</li></ul>
After completing this module, students will be able to:
<ul style="list-style-type: none"><li>■ Describe Configuration Manager 2012 site maintenance tasks.</li><li>■ Back up and recover a Configuration Manager 2012 site.</li><li>■ Monitor Configuration Manager 2012 site systems.</li></ul>

## 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
<ul style="list-style-type: none"><li>■ Overview of the Migration Process</li><li>■ Preparing Configuration Manager 2007 Sites for Migration</li><li>■ Configuring Migration Settings</li><li>■ Migrating Objects</li></ul>
Lab : Migrating from System Center Configuration Manager 2007 to System Center 2012 Configuration Manager
<ul style="list-style-type: none"><li>■ Configuring the Source Hierarchy</li><li>■ Creating a Migration Job and Performing Migration</li></ul>
After completing this module, students will be able to:
<ul style="list-style-type: none"><li>■ Describe the migration process from Configuration Manager 2007 to Configuration Manager 2012.</li><li>■ Prepare Configuration Manager 2007 sites for migration.</li><li>■ Configure migration settings.</li><li>■ Migrate objects.</li></ul>