Overview:

This course describes how to configure and manage a System Center 2012 R2 Configuration Manager site and its associated site systems. The course focuses on day-to-day management tasks for System Center 2012 R2 Configuration Manager.

Target Audience:

The primary audience for this course is intended for IT Professionals who are responsible for configuring and managing endpoints in one or more System Center 2012 R2 Configuration Manager sites and all supporting systems. They have one to three years of experience managing and maintaining client computers, devices, and servers in medium to large enterprise organizations. Administrators may have previous Configuration Manager experience, or be new to the product.

The secondary audience for this course is intended for individuals who are interested in taking exam 70-243 TS: Microsoft System Center 2012 Configuration Manager, Configuring. Both 10747D: Administering System Center 2012 R2 Configuration Manager, and 10748C: Planning and Deploying System Center 2012 Configuration Manager, are necessary to prepare for this exam.

Objectives:

- Describe the System Center 2012 R2 Configuration Manager feature set and manage and troubleshoot sites by using the Configuration Manager Console and associated toolset.
- Configure boundaries and boundary groups, configure discovery methods, manage user and device collections, and implement role-based administration.
- Describe the client deployment process, configure client deployment methods, configure the client agent settings, and monitor client status.
- Describe the inventory collection process, configure and manage hardware and software inventory, monitor inventory data flow, and use Asset Intelligence and Software Metering.
- Analyze data by creating queries and running reports.
- Create, deploy, and manage software packages and programs.
- Create and deploy applications by using the System Center 2012 R2 Configuration Manager application model.
- Configure multiple deployment types.
- Deploy and manage software updates.
- Integrate and implement Endpoint Protection by using System Center 2012 R2 Configuration Manager.
- Deploy operating systems by using the Configuration Manager infrastructure.
- Manage configuration items, baselines, and profiles to assess and configure settings for devices.
- Manage mobile devices by using System Center 2012 R2 Configuration Manager.
- Configure Wake On LAN, Power Management policies, and Remote Control.

Prerequisites:

- Installation, configuration, and troubleshooting for Windows-based personal computers.
- Windows client management including endpoint security fundamentals.
- Networking fundamentals, including TCP/IP and Domain Name System (DNS).
- Windows Server administration concepts including Active Directory and group policy principles and management.
- Basic concepts of Public Key Infrastructure (PKI) security.
- Familiarity with Windows Intune.

Testing and Certification:

- This course helps prepare candidates for Exam 70-243.
- Both Configuration Manager courses M10747 and M10748 will be necessary to prepare for the 70-243 exam.
- When you pass exam 70-243 TS: Microsoft System Center 2012 Configuration Manager you complete the requirements for the MCTS System Center 2012 Configuration certification.
Desired: Basic understanding of Windows Server roles and services.
Desired: Basic understanding of Microsoft SQL Server Reporting Services.
Content:

Module 1: Overview of System Center 2012 R2 Configuration Manager
- Introduction to System Center 2012 R2 Configuration Manager
- Overview of the System Center 2012 R2 Configuration Manager Architecture
- Managing Configuration Manager by Using Configuration Manager Administration Tools
- Using Tools for Monitoring and Troubleshooting a Configuration Manager Site

Lab : Performing Administration Tasks by Using Configuration Manager Tools
- Exploring the Configuration Manager Console
- Searching in the Configuration Manager Console
- Using Windows PowerShell with Configuration Manager

Lab : Monitoring and Troubleshooting a Configuration Manager Site
- Managing Components by Using Configuration Manager Service Manager
- Monitoring Site and Component Status
- Reviewing Log Files by Using the Configuration Manager Trace Log Tool

Module 2: Discovering and Organizing Resources
- Configuring Boundaries and Boundary Groups
- Configuring Resource Discovery
- Configuring User and Device Collections
- Configuring Role-Based Administration

Lab : Configuring Boundaries and Resource Discovery
- Configuring Boundaries and Boundary Groups
- Configuring Active Directory Discovery Methods

Lab : Configuring User and Device Collections
- Creating Device Collections
- Creating a User Collection
- Configuring a Maintenance Window

Lab : Configuring Role-Based Administration
- Configuring a New Scope for Toronto Administrators
- Configuring a New Administrative User

Module 3: Managing the Configuration Manager Client Agent
- Lab : Configuring Software Metering
  - Configuring Software Metering
- Module 5: Querying and Reporting Data
  - Introduction to Queries
  - Managing Queries
  - Configuring SQL Server Reporting Services
- Lab : Creating and Running Queries
  - Creating Data Queries
  - Creating Subselect Queries
  - Creating Status Message Queries
- Lab : Configuring Reporting
  - Configuring a Reporting Services Point
  - After completing this module, students will be able to:
    - Describe data and status message queries.
    - Configure and manage data and status message queries.
    - Configure and manage Microsoft SQL Server Reporting Services in Configuration Manager.

Module 6: Managing Software Distribution and Deployment by Using Packages and Programs
- Configuring Software Deployment
- Configuring Packages and Programs
- Distributing Content to Distribution Points
- Deploying Programs to Configuration Manager Clients

Lab : Managing Software Deployment by Using Packages and Programs
- Preparing the Infrastructure for Software Deployment
- Creating a Package and Configuring Programs
- Distributing Content to a Distribution Point
- Deploying a Program to Configuration Manager Clients

Module 7: Creating and Deploying Applications
- Overview of Application Management
- Creating Applications
- Deploying Applications
- Managing Applications

Lab : Creating and Deploying Applications
- Installing and Configuring the Application Catalog Roles

Lab : Configuring Role-Based Administration
- Configuring a New Scope for Toronto Administrators
- Configuring a New Administrative User

Module 10: Implementing Endpoint Protection by Using System Center 2012 R2 Configuration Manager
- Overview of Endpoint Protection in Configuration Manager
- Configuring and Monitoring Endpoint Protection Policies

Lab : Implementing Endpoint Protection
- Configuring the Endpoint Protection Point and Client Settings
- Configuring and Deploying Endpoint Protection Policies
- Monitoring Endpoint Protection

Module 11: Managing Operating Systems Deployment
- Overview of Operating System Deployment
- Preparing a Site for Operating System Deployment
- Building and Capturing a Reference Operating System Image
- Deploying an Operating System

Lab : Preparing the Environment for Operating System Deployment
- Managing the Site System Roles Used to Support Operating System Deployment
- Managing Packages to Support Operating System Deployment

Lab : Building and Capturing a Reference Image
- Creating a Build and Capture Task Sequence
- Capturing the Reference Computer

Lab : Performing an In-Place Upgrade
- Creating a Task Sequence to Deploy an Image
- Deploying an Image

Module 12: Managing Compliance Settings and Profiles
- Overview of Compliance Settings
- Configuring Compliance Settings
- Viewing Compliance Results

Lab : Managing Compliance Settings
<table>
<thead>
<tr>
<th>Overview of the Configuration Manager</th>
<th>Managing Configuration Items and Baselines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client Agent</td>
<td>Viewing Compliance Settings Reports</td>
</tr>
<tr>
<td>Deploying Configuration Manager Client</td>
<td>Configuring Remediation in Compliance Settings</td>
</tr>
<tr>
<td>Agents</td>
<td>Using Compliance Information to Create Collections</td>
</tr>
<tr>
<td>Managing Client Settings in</td>
<td>Module 13: Mobile Device Management Using System Center 2012 R2 Configuration Manager</td>
</tr>
<tr>
<td>Configuration Manager</td>
<td></td>
</tr>
<tr>
<td>Configuring and Monitoring Client</td>
<td>Module 8: Deploying Additional Application Types</td>
</tr>
<tr>
<td>Status</td>
<td></td>
</tr>
<tr>
<td>Lab : Deploying the Configuration</td>
<td>Lab : Managing Application Supersedence and Removal</td>
</tr>
<tr>
<td>Manager Client Agent</td>
<td></td>
</tr>
<tr>
<td>Preparing the Site for Client</td>
<td>Lab : Configuring Application Supersedence and Removal</td>
</tr>
<tr>
<td>Installation</td>
<td>Uninstalling the Excel Viewer Application</td>
</tr>
<tr>
<td>Deploying the Configuration Manager</td>
<td>Module 6: Deploying Virtual Applications by Using System Center 2012 R2 Configuration Manager</td>
</tr>
<tr>
<td>Client Agent by Using Client Push</td>
<td>Lab : Deploying Windows Store Apps by Using System Center 2012 R2 Configuration Manager</td>
</tr>
<tr>
<td>Installation</td>
<td>Lab : Configuring Support for Sideloadung Windows Store Apps</td>
</tr>
<tr>
<td>Lab : Managing Client Settings</td>
<td>Create a Windows Store App</td>
</tr>
<tr>
<td>Configuring Client Settings</td>
<td>Deploying Windows Store Apps to Users</td>
</tr>
<tr>
<td>Lab : Configuring and Monitoring</td>
<td>Lab : Deploying Virtual Applications by Using System Center 2012 R2 Configuration Manager</td>
</tr>
<tr>
<td>Client Status</td>
<td>Configuring Support for App-V</td>
</tr>
<tr>
<td>Lab : Configuring and Managing Inventory Collection</td>
<td>Creating and Deploying Virtual Applications</td>
</tr>
<tr>
<td>Configuring Hardware Inventory</td>
<td>Module 9: Deploying and Managing Software Updates</td>
</tr>
<tr>
<td>Configuring Software Inventory</td>
<td>Overview of the Software Updates Feature</td>
</tr>
<tr>
<td>Managing Inventory Collection</td>
<td>Preparing a Configuration Manager Site for Software Updates</td>
</tr>
<tr>
<td>Configuring Asset Intelligence</td>
<td>Managing Software Updates</td>
</tr>
<tr>
<td>Configuring Software Metering</td>
<td>Configuring Automatic Deployment Rules</td>
</tr>
<tr>
<td>Lab : Configuring and Managing Asset Intelligence</td>
<td>Monitoring and Troubleshooting Software Updates</td>
</tr>
<tr>
<td>Preparing the Site for Asset</td>
<td>Lab : Configuring the Site for Software Updates</td>
</tr>
<tr>
<td>Intelligence</td>
<td>Configuring and Synchronizing the</td>
</tr>
<tr>
<td>Configuring Asset Intelligence</td>
<td>Software Update Point</td>
</tr>
<tr>
<td>Customizing Asset Intelligence</td>
<td></td>
</tr>
<tr>
<td>Viewing Asset Intelligence Reports</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Further Information:**

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

[info@globalknowledge.co.uk](mailto:info@globalknowledge.co.uk)

[www.globalknowledge.co.uk](http://www.globalknowledge.co.uk)

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK