20703-1: Administering System Center Configuration Manager

Course Details

Course Outline

1. **Managing computers and mobile devices in the enterprise**
   - Overview of systems management by using enterprise management solutions
   - Overview of the Configuration Manager architecture
   - Overview of the Configuration Manager administrative tools
   - Tools for monitoring and troubleshooting a Configuration Manager site
   - Lab : Exploring the Configuration Manager tools
   - Searching in the Configuration Manager console
   - Using Windows PowerShell with Configuration Manager
   - Using Configuration Manager Service Manager to manage components
   - Monitoring site and component status
   - Reviewing log files by using the Configuration Manager Trace tool
   - Explain how to use Configuration Manager to address the challenges of managing systems and users in today's enterprise.
   - Describe the Configuration Manager architecture.
   - Describe the management tools that you use to perform administrative functions for Configuration Manager.
   - Describe the tools that you use to monitor and troubleshoot a Configuration Manager site.

2. **Analyzing data using queries and reports**
   - Introduction to queries
   - Configuring Microsoft SQL Server Reporting Services (SSRS)
   - Lab : Creating and running queriesConfiguring boundaries and resource discovery
   - Creating data queries
   - Creating subselect queries
   - Creating status message queries
   - Lab : Configuring SSRS
   - Configuring a reporting services point
   - Creating a report by using Report Builder
   - Create and configure data and status message queries.

- Configure and manage SSRS and the reporting services point.

3. **Preparing the management infrastructure to support PCs and mobile devices**

- Configuring site boundaries and boundary groups
- Configuring resource discovery
- Configuring the Exchange Server Connector for mobile device management
- Configuring user and device collections
- Lab : Configuring boundaries and resource discovery
- Configuring boundaries, boundary groups, and fallback relationships
- Configuring Active Directory discovery methods
- Lab : Configuring user and device collections
- Creating a device collection
- Creating a user collection
- Configuring a maintenance window
- Configure boundaries and boundary groups.
- Configure resource discovery.
- Configure the Exchange Server connector mobile device management.
- Organize resources using device and user collections.

4. **Deploying and managing clients**

- Overview of the Configuration Manager client
- Deploying the Configuration Manager client
- Configuring and monitoring client status
- Managing client settings in Configuration Manager
- Lab : Deploying the Microsoft System Center Configuration Manager client software
- Preparing the site for client installation
- Deploying the Configuration Manager client software by using client push installation
- Lab : Configuring and monitoring client status
- Configuring and monitoring client health status
- Lab : Managing client settings
- Configuring client settings
- Describe the requirements and considerations for installing the Configuration Manager client software.
- Deploy the Configuration Manager client software.
- Configure and monitor client status.
- Manage Configuration Manager client settings.

5. **Managing inventory for PCs and applications**
   - Overview of inventory collection
   - Configuring hardware and software inventory
   - Managing inventory collection
   - Configuring software metering
   - Configuring and managing Asset Intelligence
   - Lab : Configuring and managing inventory collection
   - Configuring and managing hardware inventory
   - Lab : Configuring software metering
   - Configuring software metering
   - Lab : Configuring and managing Asset Intelligence
   - Preparing the site for Asset Intelligence
   - Configuring Asset Intelligence
   - Monitoring license agreements by using Asset Intelligence
   - Viewing Asset Intelligence reports
   - Describe inventory collection.
   - Configure and collect hardware and software inventory.
   - Manage inventory collection.
   - Configure software metering.
   - Configure Asset Intelligence.

6. **Distributing and managing content used for deployments**
   - Preparing the infrastructure for content management
   - Distributing and managing content on distribution points
   - Lab : Distributing and managing content for deployments
   - Installing a new distribution point
   - Managing content distribution
   - Prepare the infrastructure for content management.
   - Distribute and manage content on distribution points.

7. **Deploying and managing applications**
   - Overview of application management
   - Creating applications
   - Deploying applications
   - Managing applications
   - Deploying virtual applications by using System Center Configuration Manager (Optional)

- Deploying and managing Windows Store apps
- Lab : Creating and deploying applications
- Installing and configuring the Application Catalog roles
- Creating applications with requirements
- Deploying applications
- Lab : Managing application supersedence and removal
- Managing application supersedence
- Uninstalling the Excel Viewer application
- Lab : Deploying virtual applications by using Configuration Manager (Optional)
- Configuring support for App-V
- Deploying virtual applications
- Lab : Using Configuration Manager to deploy Windows Store apps
- Configuring support for sideloading Windows Store apps
- Configuring a Windows Store app
- Deploying Windows 10 apps to users
- Describe the application management features of Configuration Manager.
- Create applications.
- Deploy applications.
- Manage applications.
- Configure and deploy virtual applications.
- Configure and deploy Windows Store apps.

8. **Maintaining software updates for managed PCs**
   - The software updates process
   - Preparing a Configuration Manager site for software updates
   - Managing software updates
   - Configuring automatic deployment rules
   - Monitoring and troubleshooting software updates
   - Lab : Configuring the site for software updates
   - Configuring and synchronizing the software update point
   - Lab : Deploying and managing software updates
   - Determining software update compliance
   - Deploying software updates to clients
   - Configuring automatic deployment rules
   - Describe how the software updates feature integrates with Configuration Manager.

- Prepare the Configuration Manager site for software updates.
- Manage the evaluation and deployment of software updates.
- Configure automatic deployment rules.
- Monitor and troubleshoot software updates.

9. **Implementing Endpoint Protection for managed PCs**
- Overview of Endpoint Protection in Configuration Manager
- Configuring, deploying, and monitoring Endpoint Protection policies
- Lab : Implementing Microsoft System Center Endpoint Protection
- Configuring the System Center Endpoint Protection point and client settings
- Configuring and deploying Endpoint Protection policies
- Monitoring Endpoint Protection
- Configure Endpoint Protection to detect and remediate malware and security vulnerabilities.
- Configure, deploy, and manage Endpoint Protection policies.

10. **Managing compliance and secure data access**
- Overview of Compliance Settings
- Configuring compliance settings
- Viewing compliance results
- Managing resource and data access
- Lab : Managing compliance settings
- Managing configuration items and baselines
- Viewing compliance settings and reports
- Configuring remediation in compliance settings
- Using compliance information to create collections
- Describe compliance settings features.
- Configure compliance settings.
- View compliance results.
- Manage resource and data access.

11. **Managing operating system deployment**
- An overview of operating system deployment
- Preparing a site for operating system deployment
- Deploying an operating system
- Managing Windows as a service
- Lab : Preparing thea site for operating -system deployment
- Managing the site system roles used to support operating system deployment

- Managing packages to support operating system deployment
- Lab : Deploying operating -system images for bare-metal installations
- Preparing the operating system image
- Creating a task sequence to deploy an image
- Deploying an image
- Describe the terminology, components, and scenarios used to deploy operating systems by using Configuration Manager.
- Describe how to prepare a site for operating system deployment.
- Describe the process used to deploy an operating system image.

12. **Managing and maintaining a Configuration Manager site**
   - Configuring role-based administration
   - Configuring Remote Tools
   - Overview of Configuration Manager site maintenance
   - Backing up and recovering a Configuration Manager site
   - Lab : Configuring role-based administration
   - Configuring a new scope for Toronto administrators
   - Configuring a new administrative user
   - Lab : Configuring Remote Tools
   - Configuring the Remote Tools client settings and permissions
   - Managing desktops by using Remote Control
   - Lab : Maintaining a Configuration Manager site
   - Configuring maintenance tasks in Configuration Manager
   - Configuring the Backup Site Server task
   - Recovering a site from a backup
   - Configure role-based administration.
   - Configure Remote Tools to support client activity.
   - Identify Configuration Manager site Maintenance tasks.
   - Back up and recover a Configuration Manager site.