Administering System Center Configuration Manager and Intune

Duration: 5 Days   Course Code: M20696   Version: B

Overview:

Get expert instruction and hands-on practice configuring and managing clients and devices using Microsoft System Center 2012 R2 Configuration Manager, Microsoft Intune (formerly Windows Intune), and its associated site systems. In this five-day Microsoft Official Course, you will learn day-to-day management tasks including how to manage software, client health, hardware and software inventory, applications, and integration with Microsoft Intune. You also will learn how to optimize System Center 2012 Endpoint Protection, manage compliance, and create management queries and reports. This course, in conjunction with Microsoft Official Course 20695B, also helps certification candidates prepare for Exam 70-696: Managing Enterprise Devices and Apps.

Target Audience:

This course is intended for experienced information technology (IT) professionals, typically described as Enterprise Desktop Administrators (EDAs). These EDAs deploy, manage, and maintain PCs, devices, and applications across medium, large, and enterprise organizations. A significant portion of this audience uses or intends to use System Center 2012 R2 Configuration Manager (Configuration Manager) and Microsoft Intune together, to manage and deploy PCs, devices, and applications. By using Configuration Manager with Microsoft Intune, the EDAs can also support either domain joined or non-domain joined Bring Your Own Device (BYOD) scenarios, mobile device management, and secure data access on common operating system platforms such as Windows 8.x, Windows Phone 8.x, Apple iOS, and Android.

Objectives:

- Manage desktops and devices in the enterprise.

- Prepare the infrastructure to support desktop and device management.

- Deploy and manage Configuration Manager clients.

- Manage inventory for PCs and applications.

- Distribute and manage content used for deployments.

- Deploy and manage applications.

- Manage mobile devices by integrating Microsoft Intune with Configuration Manager.

- Maintain software updates for managed PCs.

- Implement Endpoint Protection for managed PCs.

- Manage compliance and secure data access.

- Manage client status, power management, and remote administration.

- Maintain Configuration Manager sites and site systems.

Prerequisites:

In addition to their professional experience, students who attend this training should already have system administrator–level working knowledge of:

- Networking fundamentals, including common networking protocols, topologies, hardware, media, routing, switching and addressing.
- Active Directory Domain Services (AD DS) principles, and fundamentals of AD DS management.
- Installation, configuration, and troubleshooting for Windows-based personal computers.
- Basic concepts of public key infrastructure (PKI) security.
- Basic concepts of scripting and Windows PowerShell syntax.
- Basic concepts of Windows Server roles and services.

Content:

Module 1: Managing Desktops and Devices in the Enterprise

- Systems Management Using Configuration Manager and Microsoft Intune
- Overview of Configuration Manager and Cloud Services Architecture
- Overview of the Configuration Manager Administrative Tools
- Monitoring and Troubleshooting a Configuration Manager Site
- Introduction to Queries and Reports

Lab : Performing Administrative Tasks by Using the Configuration Manager Tools

- Searching in the Configuration Manager Console
- Using Windows PowerShell with Configuration Manager
- Managing Components by Using Configuration Manager Service Manager
- Monitoring Site and Component Status
- Reviewing Log Files by Using Configuration Manager Trace Log Tool

Lab : Creating Queries and Configuring Reporting Services

- Creating Data Queries
- Creating Subselect Queries
- Configuring a Reporting Services Point

Module 2: Preparing the Infrastructure to Support Desktop and Device Management

- Configuring Boundaries and Boundary
- Groups
- Configuring Resource Discovery
- Configuring the Exchange Server Connector for Mobile Device Management
- Configuring the Intune Connector for Mobile Device Management
- 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 a Device Collection
- Creating a User Collection
- Configuring a Maintenance Window

Lab : Configuring Role-Based Administration

- Configuring a New Scope for Toronto Administrators

Lab : Configuring Software Metering

- Configuring Software Metering

Lab : Configuring and Managing Asset Intelligence

- Preparing the Site for Asset Intelligence
- Configuring Asset Intelligence
- Customizing the Asset Intelligence Catalog
- Viewing the Asset Intelligence Reports

Module 5: 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
- Implementing Content Prestaging

Module 6: Deploying and Managing Applications

- Overview of Application Management
- Creating Applications
- Deploying Applications
- Managing Applications
- Deploying Virtual Applications by Using System Center 2012 R2 Configuration Manager
- Deploying Windows 8.1 and Mobile 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

- Configuring Support for App-V
- Deploying Virtual Applications

Lab : Deploying Windows 8.1 Apps by Using System Center 2012 R2 Configuration Manager

- Configuring Support for Sideloading

Module 8: Implementing Endpoint Protection for Managed PCs

- 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 9: Managing Compliance and Secure Data Access

- Overview of Compliance Settings
- Configuring Compliance Settings
- Viewing Compliance Results
- Managing Compliance for Mobile Devices
- Managing Data Access by Using Profiles

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

Module 10: Managing Client Status, Power Management, and Remote Administration

- Configuring and Monitoring Client Status
- Configuring Power Management
- Configuring Remote Tools

Lab : Configuring and Monitoring Client Status

- Configuring and Monitoring Client Communication and Health Status

Lab : Configuring Power Management Settings

- Applying a Power Management Plan

Lab : Configuring Remote Tools

- Configuring the Remote Tools Client Settings and Permissions
- Managing Desktops by Using Remote Control

Module 11: Maintaining Configuration Manager Sites and Site Systems

- Overview of Configuration Manager Site Maintenance

- Configuring a New Administrative User

Module 3: Deploying and Managing Clients

- Overview of the Configuration Manager Client
- Deploying the Configuration Manager Client
- Managing Client Settings in Configuration Manager
- Managing MDM Clients

Lab : Deploying the Configuration Manager Client Software

- Preparing the Site for Client Installation
- Deploying the Configuration Manager Client Software by Using Client Push Installation

Lab : Managing Client Settings

- Configuring Client Settings

Module 4: Managing Inventory for PCs and Applications

- Overview of the Inventory Collection
- Configuring Hardware and Software Inventory
- Managing Inventory Collection
- Configuring Software Metering
- Configuring Asset Intelligence

Lab : Configuring and Managing Inventory Collection

- Configuring Hardware Inventory

Windows 8.1 Apps
- Configuring a Windows 8.1 App
- Deploying Windows 8.1 Apps to Users

Module 7: Maintaining Software Updates for Managed PCs

- This module explains how to maintain software updates for PCs managed by Configuration Manager.
- Lessons
- Overview of Software Updates
- 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

- Performing Backup and Recovery of a Configuration Manager Site

Lab : Maintaining System Center 2012 R2 Configuration Manager

- Configuring Maintenance Tasks in Configuration Manager
- Configuring the Site Backup Task
- Recovering a Site from a Backup

Further Information:

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

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