Managing, Maintaining, and Securing Your Networks Through Group Policy

Duration: 5 Days **Course Code: M50255**

Overview:

Master Group Policy features of Windows Server 2016 and Windows 10 client.
In this course-currently the only offering in the market devoted to Group Policy training-you will learn how to reduce costs and increase efficiencies in your network. You will discover how to consolidate the administration of an enterprise IT infrastructure with Group Policy, and learn to control and manage computer systems and domain users running Windows Server and Windows clients. Create Group Policies, implement administrative and security templates, and determine best practices when deploying software packages. Walk away with the experience and tools needed to optimize your enterprise systems and networks.

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Target Audience:

Enterprise network staff responsible for help desk support, system administration, and network design.

Objectives:

- **After this course participants should be able to:**
- Features and functions of Group Policy
- Use Group Policy management tools to manage security policies
- Design a Group Policy infrastructure
- Group Policy processing architecture
- Back up, restore, import, and copy Group Policy Objects through the Group Policy
- Management Console
- Use Windows PowerShell to manage Group Policy
- Implement security using Group Policy
- Configure the desktop environment with Group Policy
- Configure roaming profiles and Folder Redirection
- Assign and publish software packages
- Implement AppLocker and software restriction policies
- Create and deploy Administrative Templates
- Configure Group Policy preferences

Prerequisites:

Experience with the Microsoft Windows Server 2008/12 environments and a fundamental understanding of Active Directory

Testing and Certification

None

Follow-on-Courses:

None

Content:

Introduction to

Configuration Management

- Explore default Policy Settings
- Explore Windows 10 and Windows Server 2016 Interface

Group Policy Management Tools

- Working with Multiple Local Policies
- Installing the GPMC on Windows Operating Systems
- Basic Group Policy Management

Designing a Group Policy Infrastructure

- Creating an Organizational Unit (OU) Structure for Group Policy
- Delegating GPO Management
- Creating Starter GPOs

Group Policy Processing Architecture

- Working with Multiple GPO Levels
- Using the Block Inheritance and Enforce Options
- Implementing Security Filtering
- Creating a WMI Filter
- Working with Loopback Processing

Troubleshooting and Backing UpGPOs

- Using Tools for Troubleshooting
- Backing Up and Restoring GPOs
- Use Command Line Tools to Perform GPO Maintenance

Securing Windows Using Group Policy

- Using the Security Compliance Manager
- Configuring Enterprise Auditing through Group Policy
- Configuring Restricted Groups
- Using Security Templates
- Creating a Windows Firewall Policy

Implementing Application Security Using Group Policy

- Implementing UAC
- Using AppLocker to Restrict Software
- Configure Windows Defender with Group Policy

Configuring the Desktop Environment with Group Policy

- Using Logon Scripts
- Configuring Desktop Settings
- Managing Windows Components
- Configuring Printers with Group Policy
- Managing Network Settings

Implementing User State Virtualization

- Preparing for Folder Redirection, Offline Files, and UE-V
- Configuring Folder Redirection
- Managing Offline Files
- Implementing User Experience Virtualization

Assigning and Publishing Software Packages

- Preparing for Distribution
- Creating Custom Software Packages Repackaging Applications
- Deploying Software Packages

Configuration Management with Windows PowerShell

- Exploring Windows PowerShell

Using Windows PowerShell Desired State Configuration

- Writing a PowerShell Desired State Configuration Script
- Creating and Implementing a DSC

Configuring Group Policy Preferences

- Implementing Computer Preferences
- Implementing User Preferences

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

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