



# MANAGING WINDOWS ENVIRONMENTS WITH GROUP POLICY (M50255)

Course Code: 6127

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.

## What You'll Learn

- 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

## Who Needs to Attend

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



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CLASSROOM LIVE

\$2,995 CAD

5 Day

## Classroom Live Outline

### **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 Up GPOs**

- 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

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VIRTUAL CLASSROOM LIVE

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5 Day

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Mar 2 - 6, 2026 | 8:30 AM - 4:30 PM EST

May 18 - 22, 2026 | 8:30 AM - 4:30 PM EDT

Jul 6 - 10, 2026 | 8:30 AM - 4:30 PM EDT

Sep 21 - 25, 2026 | 8:30 AM - 4:30 PM EDT



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PRIVATE GROUP TRAINING

5 Day

Visit us at [www.globalknowledge.com](http://www.globalknowledge.com) or call us at 1-866-716-6688.

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