

## Managing Windows Environments with Group Policy (50255)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Lisboa
- **Data:** 04 Mai. 2020 a 15 Mai. 2020
- **Preço:** 1730€
- **Horário:** Pós-laboral - 18h30 - 22h00
- **Nível:** Intermédio
- **Duração:** 35 horas

In this course 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 you will learn to control and manage computer systems and domain users running Windows Server 2003, Server 2008 R2, XP, and Windows 7. 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. After completing this course, students will be able to:

- Describe the features and functions of Group Policy
- Use Group Policy management tools to manage security policies
- Design a Group Policy infrastructure
- Describe the 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

### Destinatários

This course is intended for Enterprise network staff responsible for help desk support, system administration, and network design

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## Pré-requisitos

Before attending this course, students must have:

- Experience with the Microsoft Windows Server 2003/8 environments and a fundamental understanding of Active Directory
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## Programa

**Introducing Group Policy** This module describes the basis of what Group Policy is and how it functions. It also describes the Group Policy features that are included in the newer Windows operating systems.

- Lessons What is Group Policy New Group Policy Features in Windows Server 2008 R2 and Windows 7 Group Policy Scenarios Managing Group Policies Group Policy Features in Windows Server 2008 and Windows Vista
- Lab : Introducing Group Policy Preparing Windows XP for Domain Policies Preparing Windows Vista for Domain Policies Preparing Windows 7 for Domain Policies

**Using Group Policy Management Tools** This module describes the differences between local and domain policies and the Group Policy management tools you can use to manage these policies. This module also describes the Group Policy refresh process and how to manually force a refresh ahead of the default interval.

- Lessons Local and Domain Policies What is the Group Policy Management Console? Installing the GPMC Using the GPMC Understanding Group Policy Refresh
- Lab : Using Group Policy Management Tools Working with Multiple Local Policies Installing the GPMC on Windows XP Installing the GPMC on Vista Installing the GPMC on Windows 7 Basic Group Policy Management

**Designing a Group Policy Infrastructure** This module details the steps a successful Group Policy deployment should follow, linking your design to how your company can best use the features. Essential network components and security design are also defined.

- Lessons Overview of Active Directory Introducing the Design Stages for Implementing Group Policy Planning your Group Policy Design Designing Your Group Policy Solution Deploying Your Group Policy Solution Managing Your Group Policy Solution
- Lab : Designing a Group Policy Infrastructure Creating an OU Structure for Group Policy Delegating GPO Management Creating Starter GPOs Installing and Configuring the AGPM

**Understanding the Architecture of Group Policy Processing** This module details the concepts that you must grasp in order to troubleshoot Group Policy. The module also describes the options that are available to change the standard Group Policy processing sequence.

- Lessons Using Active Directory Components to Deploy Group Policy Settings Understanding the Group Policy Deployment Order Modifying Group Policy Processing
- Lab : Exploring the 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** This module explains how to use the RSoP tools to determine whether policies are being processed in the correct manner. This module discusses how to use the available tools to troubleshoot policy issues back up, restore, import, copy, and search for GPOs and migrate GPOs from one domain to another.

- Lessons Using Group Policy Troubleshooting Tools Integration of RSoP Functionality Using Logging Options Backing Up, Restoring, Importing, and Copying GPOs Building Migration Tables
- Lab : Troubleshooting and Backing Up GPOs Using Tools for Troubleshooting Backing Up and Restoring GPOs Group Policy Management Scripts

**Using Windows PowerShell to Manage Group Policy** This module explains how to navigate and use basic Windows PowerShell commands and how to use Windows PowerShell to manage Group Policy. This module will also describe how you can use PowerShell logon scripts with Group Policy.

- Lessons Introduction to PowerShell Windows PowerShell Library for Group Policy Windows PowerShell-Based Logon Scripts
- Lab : Deploying Legacy Security Templates Introduction to Using Windows PowerShell Using PowerShell to Manage GPOs

**Implementing Security Using Group Policy** This module defines the Windows security model and describes the process of using Group Policy to implement user account, computer account, and domain security.

- Lessons Exploring the Windows Security Architecture Securing User Accounts Exploring Local Policies Hardening Computer Accounts Implementing Domain Security
- Lab : Implementing Security Using Group Policy Installing the Microsoft GPO Accelerator Configuring Enterprise Auditing through Group Policy Deployment Configuring Standard Password Policies Configuring Fine-Grained Password Policies Configuring Restricted Groups Using Security Templates

**Configuring the Desktop Environment with Group Policy** This module explains many of the settings that are available to configure and restrict the user desktop environment, such as Control Panel restrictions, Start Menu settings, and Windows Explorer configuration.

- Lessons Exploring Script Types and Controlling Script Execution Defining the Desktop, Start Menu, and Taskbar Settings Defining the Control Panel Settings Defining the Windows Components Settings Configuring the Printer Management and Pruning Settings Defining the Network Settings
- Lab : Configuring the Desktop Environment with Group Policy Using Logon Scripts Configuring Desktop Settings Managing Windows Components Configuring Printers with Group Policy Managing Network Settings

**Configuring Roaming Profiles and Folder Redirection** This module explains how to use roaming profiles and Folder Redirection to maintain the user's personal files and settings.

- Lessons Managing User Profiles Configuring Folder Redirection Using Folder Redirection and Roaming Profiles Together
- Lab : Configuring Roaming Profiles and Folder Redirection Preparing for Profiles and Folder Redirection Configuring Folder Redirection Managing Roaming Profiles

**Assigning and Publishing Software Packages**This module explains how to use Group Policy for deploying software.

- LessonsUsing MSI Packages to Distribute SoftwareUsing Group Policy as a Software Deployment MethodDeploying SoftwareSetting Up Distribution PointsUsing the Systems Center Configuration Manager to Distribute Software
- Lab : Assigning and Publishing Software PackagesPreparing for DistributionCreating Custom Software PackagesRepackaging ApplicationsDeploying Software Packages

**Implementing Software Restriction Policies and AppLocker**This module explains the deployment of software restriction policies including the essential components, rules, and the order of precedence of such policy. You will learn how to use software restriction policies to prevent users from running unauthorized software reducing the likelihood that viruses, Trojan horses, or spyware might intrude upon the environment.

- LessonsWhat is a Software Restriction Policy?Creating a Software Restriction PolicyUsing additional Rules to Help Identify SoftwareWhat Makes an Effective Software Restriction PolicyUsing AppLocker in Windows Server 2008 R2 and Windows 7
- Lab : Implementing AppLocker and Software Restrictions PoliciesEnforcing Software Restriction PoliciesUsing AppLocker to Restrict Software

**Creating and Deploying Administrative Templates**This module explains the logic behind administrative templates, when to use them, and the basics of how to write them. This module also explains how to deploy templates by loading legacy ADM templates into the Group Policy Management Editor, and copying ADMX templates to the Central Store.

- LessonsIntroducing ADM TemplatesStandard ADM TemplatesCustom ADM TemplatesUsing the New ADMX TemplatesConverting and Creating Custom ADMX TemplatesUsing the ADMX Central Store
- Lab : Working with ADMX Templates and the Central StoreImporting ADMX FilesImplementing the ADMX Central StoreConverting Legacy ADM FilesCreating a Custom ADMS File