

# Special Topics in Windows Server 2003: Group Policies

Group Policy Overview .....	1
Group Policy Capabilities .....	2
Group Policy Rules and Necessary Permissions .....	3
Group Policy Storage Information.....	3
Computer and User Configuration Settings.....	4
Managing GPOs Using the Group Policy Management Console.....	8
Group Policy Management Console System Requirements .....	8
GPMC Management Tools Integration.....	8
Installing the GPMC .....	8
Opening the GPOE from the AD Object .....	9
GPMC Overview .....	9
Working with Forests and the GPMC.....	10
Working with Domains in the GPMC .....	11
Working With Group Policy Objects.....	13
Creating GPOs .....	13
Modifying the GPO Settings.....	13
GPO Scope.....	14
GPO Links – Scope of Management .....	14
Linking GPOs .....	14
Exercise 1 .....	16
Group Policy Inheritance .....	18
View or Modify GPO Link Order and Inheritance Settings.....	19
Security Filtering .....	22
WMI Filters.....	23
Delegating Group Policy.....	25
Group Policy Default Permissions.....	25
Delegating GPO Creation Using GPMC .....	26
Granting Permissions to an Individual GPO.....	28
Policy-Related Permissions on SOMs .....	31
Granting Creation and Editing of GPOs Using the GPMC .....	32
Group Policy Reports.....	36
To Generate a GPO Report.....	36
To Save the Report to the File System.....	37
Exercise 2.....	39
Administrative Templates – Registry-Based Policy .....	41
Administrative Templates and GPMC.....	41
Administrative Templates Included With Windows 2003 Server .....	43

Administrative Template File-Processing Information .....	43
When to Use Registry-Based Policy .....	44
True Policies vs. Preferences .....	44
When to Consider Creating Policy Settings.....	45
When Not to Use Policies .....	46
Policy Names .....	46
Registry-Based Group Policy Best Practices.....	46
To Add or Remove an Administrative Template.....	47
To Display the Administrative Templates View .....	47
To Filter the View Provided by Administrative Templates.....	48
 Folder Redirection .....	 49
Advantages of Folder Redirection—Especially the My Documents Folder .....	49
Folder Redirection Best Practices .....	50
Granting the User Exclusive Rights.....	51
Policy Removal Considerations with Regard to Folder Redirection .....	51
Folder Redirection and Offline Files .....	52
Folder Redirection Permissions .....	52
Redirect Special Folders to the Same Location for All Users .....	53
Redirect Special Folders to Different Locations Based on Group Membership .....	56
Troubleshooting Folder Redirection .....	58
 GPO Operations .....	 60
Performing and Managing GPO Backups.....	60
Performing GPO Restore Operations.....	65
Copying GPOs .....	68
Importing GPOs .....	70
 Group Policy Modeling.....	 71
Running the Group Policy Modeling Wizard .....	71
Group Policy Results Report Node Operations .....	73
 Generating Group Policy Results Reports .....	 74
To Create a Group Policy Results Report.....	74
 Exercise 3.....	 76
 Software Installation and Maintenance.....	 77
Supported Installation File Types .....	78
Creating a Software Distribution Point for the Windows Installer Applications .....	78
Creating a Software Installation Policy for Windows Installer Files (.msi).....	79
Non-Windows Installer Applications .....	80
Creating a Zap File for Non-Windows Installer Applications.....	81
Creating a Software Installation Policy for Non-Windows Installer Applications.....	81
Troubleshooting GPO Software Installation Issues .....	82
Remove Managed Application Using GPOs .....	84
Viewing the Properties or Editing Installation Options for Applications.....	85

Upgrading an Application Using GPOs.....	87
To Specify Application Categories for Add or Remove Programs in .....	88
Control Panel .....	88
To Set the Autoinstall Option for an Application.....	89
To Set Permissions for Group Policy Software Installation .....	89
To Add or Remove Modifications for an Application Package .....	90
Configuring the Software Installation Defaults for a Group Policy Object.....	91
Using Distributed File Distribution Services to Distribute Software. ....	94
Configuring DFS.....	94
Software Restriction Policies.....	97
How to Start Software Restriction Policies .....	98
Preventing Software Restriction Policies from Applying to Local Administrators .....	99
Certificate Rules.....	99
Hash Rules .....	101
Internet Zone Rules.....	102
Path Rules .....	103
Designated File Types.....	106
Viewing and Modifying the Default Security Level of Software Restriction Policies.....	107
How to Set Trusted Publisher Options.....	107
Restricted Groups.....	108
To Create a Restricted Groups Policy.....	108
To Copy a Restricted Group from One Template to Another .....	109
Exercise 4.....	110
Miscellaneous Information .....	112
Group Policy Refresh.....	112
Loopback Processing .....	112
Group Policy Troubleshooting Tools.....	114
GPOupdate.....	114
Appendix A: New Features in Windows Server 2003 Group Policies.....	116
Appendix B: GPMC Sample Scripts.....	117
Appendix C: Raising the Domain and Forest Functional Levels .....	121
Appendix D: Default Windows XP Professional Environment Variables .....	122
Appendix E: Solutions to Exercises.....	124