

# Managing a Network Using Windows Server 2008

Introduction.....	1
Windows 2003 Server Versus Windows 2008 Server.....	1
Installing the Server .....	3
The Active Directory Directory Service.....	4
Installing Active Directory .....	4
Active Directory Key Core Components.....	5
Domain Controllers (DC) .....	6
Architectural Components of Active Directory.....	7
AD Naming Conventions.....	13
Windows Server 2008 AD Domain Functional Levels .....	14
Windows Server 2008 Forest Functional Levels.....	15
Active Directory Users and Computers Console.....	16
Starting the Active Directory Users and Computers Console .....	16
Managing User Accounts.....	16
Creating a Domain-Level User Account.....	19
Managing Organizational Units.....	21
Enabling Local Log On.....	29
Exercise 1.....	30
Groups.....	31
Groups versus Organizational Units .....	31
Group Scope.....	31
Group Membership Allowance Chart.....	33
Group Types.....	33
Built-In Groups, Predefined Groups, and Implicit Groups and Identities .....	33
Creating User Groups .....	34
Adding Users to a Group .....	35
Group Policies.....	37
Managing the Group Policies.....	38
Accessing Group Policy Objects Using ADUC.....	38
Creating/Editing New Group Policy Objects.....	39
Modifying the Group Policy Settings .....	39
Password Policies.....	39
Kerberos Policies .....	42
Account Lockout Policies .....	44
Exercise 2.....	46

Managing Resources .....	47
NTFS 5 (New Technology File System) .....	47
Security .....	49
Four Levels of Security.....	49
Notes on Permissions.....	49
Understanding Shared Folders and Files .....	50
Share Level Permissions.....	54
Stopping a Share .....	57
Shadow Copies of Shared Folders .....	57
Creating Shares from the Command Prompt.....	60
Exercise 3.....	61
NTFS File and Folder Permissions .....	62
Overriding Inherited Permissions .....	67
Working With the Advanced NTFS Permissions (Special Permissions) .....	68
The NTFS Special Permissions .....	69
Ownership.....	70
Working with Rights.....	71
Exercise 4.....	73
Working with Profiles.....	74
The Role of User Profiles .....	74
Settings Stored in User Profiles Summary.....	74
Types of Profiles .....	76
Profile Database Structure .....	76
The Default Users Profile .....	77
The All Users Profile Folder.....	78
Profiles and the Registry.....	78
Moving Profiles to the Network .....	79
Folder Redirection .....	83
Logon Scripts .....	84
Storing Logon Scripts .....	85
Logon Script Variables .....	85
Creating a Logon Script.....	86
Assigning the Logon Script to a Single User.....	87
Assigning Logon Scripts to Many Users Using Group Policy .....	87
Controlling Hard Drive Space Usage (Optional).....	88
Exercise 5.....	90
Exercise 6.....	91

Printing Services .....	92
Sharing Your Printer .....	92
Printing Features of the Windows Server 2008 .....	92
Printing Terms and Concepts.....	93
Types of Network Printers .....	94
Appendix A: Built-In Groups .....	101
Appendix B: Special Identity Groups .....	103
Appendix C: Solutions to Exercises .....	104