









- Exporting/Importing Objects Using LDIFDE

## Lesson 9 – Managing Active Directory Objects

Your next step in Active Directory deployment is to assign permissions to access various resources throughout your organization. It will take too much time and effort to attempt to allocate this access on a user by user basis. To streamline this process we will learn how to use groups to grant or deny users access to resources. This will also keep access privileges more organized and secure.

- Moving Objects Overview
- Deleting Objects Overview
- Moving Objects Using Drag and Drop and Context Menu
- Moving Objects Using Command Line
- Deleting Objects Using Delete Key and Context Menu
- Deleting Objects Using Command Line
- Protecting Objects From Accidental Deletion
- Managing Users
- User Attributes
- Password Reset and Unlocking a User Account
- Enabling/Disabling a User Account
- Copying a User Account
- Modifying Objects Using DSMod
- Retrieving Attributes Using DSGet
- Performing a Search Using DSQuery
- Managing Groups
- Group Types
- Group Scopes
- Group Management Strategy (AGDLP ? AGUDLP)
- Modifying Group Membership
- Copying Group Membership
- Managing Computers

## Lesson 10 – Configuring Access to Network Resources

Now that you have created and organized your users and groups, you need to give access to your network resources. In this lesson we will learn how to share folders and printers. I will show you how to assign permissions and we'll take a look at how the users will access these resources once they have been made available.

- Globomantics Scenario
- NTFS Permissions
- Network Setup
- Setting Up NTFS Permissions
- NTFS Practice Scenarios
- Changing Permission Inheritance
- Shared Folder Permissions
- Shared Folder Permissions
- Combining NTFS and Shared Folder Permissions
- Accessing a Shared Folder
- Sharing a Printer
- Connecting to a Shared Printer

## Lesson 11 – Configuring Group Policy Objects

In this lesson we will see how Group Policy can be used to control users' working environment. With Group Policy we can make sure that users cannot access or install components on their local computers if they don't need them but at the same time we can make sure that the resources they need are readily available to them.

- Globomantics Scenario
- What is a GPO?
- Using the Group Policy Management Console (GPMC)
- Using Remote Server Administration Tools to Manage GPOs
- Group Policy Administrative Templates
- Creating and Linking a GPO
- Group Policy Application and Inheritance (LSDOu)
- Implementing a Policy
- Testing the Policy Using Group Policy Modeling
- Testing the Policy Using Group Policy Results
- Testing the Policy by Logging in as a User

## Lesson 12 – Working with Group Policy Exceptions

Active Directory can be very flexible and can support many different methods of organization. In this lesson we will explore these different methods as well as look at ways to modify the default application of Group Policy Objects.

- Globomantics Scenario

- Creating an OU Structure to Support GPO Application
- Group Policy Exceptions Overview
- Reviewing Active Directory Structure
- Changing OU Structure for Globomantics
- When to Use Block Inheritance
- When to Use the Enforced Setting
- When to Use Security Filtering
- Testing Group Policy Exception Settings
- Link Order in Single Container
- What is Loopback Processing?
- Using the ?gpupdate? Command

## Lesson 13 – Configuring Group Policy Preferences

Group Policy in Windows Server 2008 R2 has become much more flexible and powerful through the use of Preferences. In this lesson we will take a look at some of these Group Policy Preferences and see how we can put them to use.

- Globomantics Scenario
- Introduction to Group Policy Preferences
- Configuring Group Policy Preferences
- Testing Preferences

## Lesson 14 – Using Group Policy for Software Deployment

Many companies need a way to easily deploy resilient and self-repairing applications to workstations without having to visit each one individually. This lesson will show you how to use Group Policy to do exactly that. In addition, you will learn how to control which users and/or computers get which applications. This will help avoiding needless clutter and overhead that comes from installing everything on every computer.

- Globomantics Scenario
- Software Installation Options
- What You Need to Install Software with a GPO
- Preparing Our Environment for Software Deployment
- Assigning Firefox to Entire Company Using Group Policy
- How Resilient and Self-Repairing Application Works
- Publishing Adobe Reader to Entire Company Using Group Policy
- Assigning Office 2007 to All Computers Using Group Policy

- Using Group Policy to Maintain Software
- Redeploying, Upgrading and Removing Application Using Group Policy

## Lesson 15 – Configuring Password Policies

In previous version of Active Directory we could only have one rule when it came to the level of password complexity. In Windows Server 2008 R2 this is no longer the case. In this lesson we will look at different ways to set up password policies.

- Globomantics Scenario
- Password Policy
- Account Lockout Policy
- Using the Default Domain Policy
- Testing the Password Policy
- Creating a Password Settings Object
- Applying Password Settings Object to a Group

## Lesson 16 – Delegating Administrative Control

It is strongly recommended that senior network administrators pass along some of the more remedial administrative tasks out to other IT staff members as well as managers who can more appropriately and efficiently respond to the needs of their users. In this lesson we will learn how to delegate these tasks and see how to create user friendly tools to make it easier to train users how to complete these tasks.

- Globomantics Scenario
- Using Active Directory Permissions
- Using the Delegation of Control Wizard
- Using Built-in Groups
- Creating Custom Administration Tools

## Lesson 17 – Managing and Maintaining Active Directory

Now that Active Directory is up and running we need to optimize its operation with proper placement of database files and FSMOs. In this lesson we talk about the different options available to move the database files and manage FSMOs.

- Active Directory Files
- Managing Operation Masters





- Creating a Subnet Object
- Creating a New Site
- Creating a New DC for Our New Site
- Global Catalog
- Universal Group Membership Caching
- Application Directory Partitions
- Configuring Replication
- Intrasite Replication
- Intersite Replication
- Managing Intrasite Replication
- Using repadmin Command Line Tool to Disable and Enable Replication
- Managing Intersite Replication

## Lesson 20 – Securing a Branch Office Domain Controller

In this lesson we will learn what Read Only Domain Controller (RODC) is and in what situations it can be used. We will also see how to implement a Read Only Domain Controller on a Server Core installation of Windows Server 2008.

- Globomantics Scenario
- What is a Read Only Domain Controller (RODC)?
- What is Server Core Installation?
- Installing an RODC on a Server Core Installation
- Downloading and Starting Core Configurator
- Configuring Windows Server 2008 R2 Server Core Using Core Configurator
- Installing Active Directory on RODC

## Lesson 21 – Upgrading Your Active Directory Infrastructure

In this lesson we will see how to migrate Active Directory from Windows Server 2003 to Windows Server 2008.

- Wired Brain Coffee Scenario
- Upgrade vs. Migration
- How to Migrate
- Wired Brain Coffee Servers Overview
- Preparing Windows Server 2003 Forest for Migration Using adprep Command
- Preparing Windows Server 2003 Domain for Migration Using adprep Command
- Adding Windows Server 2008 Domain Controller to wiredbraincoffee.local





