Practical 2A – Implementing and Managing Groups

Lab Requirements:

- Windows Server 2016 NYP-DC1 vm

Practice 1

Objectives:

1.   Use Active Directory Users and Computers to create global groups & add member users to it.

Tasks:

1. In the Active Directory Users and Computers, click on **NYPmcp** organization unit (OU) to view its contents. The following Global Security Group and members have already been created for you:

Group Name	Members Account
G Marketing Users	user1-marketing
	user2-marketing
G Help Desk Users	user1-helpdesk
G Finance Users	user1-finance
G IT Users	user1-it
G Network Support Users	user1-netsupport
	user2-netsupport
G Sales Users	user1-sales
	user2-sales

2. Use the Active Directory Users and Computers to create a **G Test1 Nypmcp** Global Security group.
3. Add a new user, **User1 Nypmcp**, and add the user to G Test1 Nypmcp global security group.

Practice 2

Objectives:

1.   Use Active Directory Users and Computers to create domain local groups.

Tasks:

1. Create the following Domain Local Security Group in NYPmcp OU
    a. DL Marketing Resources
    b. DL Help Desk Resources
    c. DL Finance Resources

d. DL IT Resources
e. DL Network Support Resources
f. DL Sales Resources

2. Add the following global groups to each of the Domain Local group created:

Domain Local Group	Member Global Groups
DL Marketing Resources	G Marketing Users
DL Help Desk Resources	G Help Desk Users
DL Finance Resources	G Finance Users
DL IT Resources	G IT Users
DL Network Support Resources	G Network Support Users
DL Sales Resources	G Sales Users

3. Leave Active Directory Users and Computers open.

Practice 3

Objectives:

1.   Use Active Directory Users and Computers to change group types.

Tasks:

1. Create a Global Distribution group – G Testing Type
2. Change the type from Distribution to security.

Practice 4

Objectives:

1.   Use Active Directory Users and Computers to change group scopes.

Tasks:

1. Create a new global security group – **G Testing Scope**.
2. Add **G Marketing Users** as a member of G Testing Scope.
3. Right-click on the G Testing Scope group and click Properties.
4. On the General tab, notice that the Group scope section allows you to change the group to the Universal scope. This is because the G Testing Scope global group is not a member of any other global groups. Do not make any changes, and click OK.
5. Right-click on the G Marketing Users group, and click Properties.
6. On the General tab, notice that the Group scope section allows you to change the group scope to Universal. However, if you select the Universal radio button and click OK, you will receive an error message stating that **a global group**

cannot have a universal group as a member. Click OK to close the properties of the G Marketing Users group.

7. Right-click on the G Testing Scope group and click Properties.
8. On the General tab, click the Universal radio button, and then click OK. This will change the scope of the G Testing Scope group from global to universal.

Practice 5

Objectives:

1.   Use the DSADD GROUP command to add groups of different types and scopes.

Tasks:

1. On NYP-DC1, at the command line, type the following, all in one line:

   > *dsadd group "cn=Database Users,ou=nypmcp,dc=frontier,dc=net"*
   > *–secgrp yes   –scope g*   Press Enter

2. Confirm if Database Users group is created in ADU&C.
3. At the command line, type the following, all in one line:

   > *dsadd group "cn=Archive Resources,ou=nypmcp,dc=frontier, dc=net"*
   > *–secgrp yes –scope l –memberof "cn=DL Marketing Resources,*
   > *ou=nypmcp,dc=frontier,dc=net" –members "cn=G Marketing*
   > *Users,ou=nypmcp,dc=frontier,dc=net"*   Press Enter

4. From ADU&C, right-click on the NYPmcp organization unit, and then click Refresh. Notice that the Archive Resources group now appears in the NYPmcp organization unit.
5. Right-click on the Archive Resources group and click Properties.
6. On the General tab, confirm that the group is of domain local scope and the security type.
7. Click the Members tab. Confirm that the G Marketing Users group is a member of this group.
8. Click on the Member Of tab. Confirm that this group is a member of the DL Marketing Resources group.
9. Click Cancel, and then close Active Directory Users and Computers.

Practice 6

Objectives:

1.   Use the DSMOD GROUP command to modify group accounts.

Tasks:

1. On NYP-DC1, click **Start**, and then click **Run**.
2. In the Open text box, type **cmd.exe**, and click **OK**.

3. At the command prompt window, type **cd ..** and press **Enter**. Type **cd ..** again and press **Enter**. This will help to reduce the on-screen clutter associated with the command prompt path.
4. Type **cls** and press **Enter** to clear the screen.
5. At the command line, type the following, all in one line:

> ***dsmod group "cn=G Marketing Users,ou=nypmcp,dc=frontier,dc=net"***
> ***–desc "Frontier Marketing Users Global Group"***   Press Enter.

6. Minimize the Command Prompt window.
7. Click Start, select Administrative Tools, and then click Active Directory Users and Computers.
8. Click the NYPmcp organization unit if necessary to view its contents. Right-click on the G Marketing Users group and click Properties.
9. On the General tab, confirm that the words Frontier Marketing Users Global Group now appear in the Description text box on the General tab. Click Cancel.
10. Minimize Active Directory Users and Computers, and maximize the Command Prompt.
11. Add a **U Marketing** group (Scope=Universal, Type=Security)
12. At the command line, type the following, all in one line:

> ***dsmod group "cn=DL Marketing Resources, ou=nypmcp, dc=frontier,***
> ***dc=net" –rmmbr "cn=Archive Resources, ou=nypmcp, dc=frontier, dc=net"***
> ***–addmbr "cn=U Marketing, ou=nypmcp, dc=frontier, dc=net"***   Press
> Enter.

13. Close the Command Prompt window, and then maximize the Active Directory Users and Computers window.
14. Right-click on the Marketing Resources group in the NYPmcp organization unit and click Properties.
15. Click on the Members tab to confirm that the Archive Resource group is no longer a member of the group, and that the U Marketing group is a member. Click Cancel.
16. Close Active Directory Users and Computers.

Exercise 2a

The Domain Frontier.net has many subsidiaries under it. One of the subsidiary is called **Freshmilk** Pte Ltd. It sells and distributes fresh milk products. It has the company structure shown in Fig. A below.

Based on the company structure, do the following in Windows Server NYP-DC1:

1. Create the necessary OUs (Organisation Units) under Frontier.net.

2. Create the User Accounts. All accounts have standard password (Pa$$w0rd). User does not need to change password at next login and password never expires.

3. Create the Groups – Global and Domain Local (DL) and place them in the appropriate containers.

4. Put the User Accounts into their respective Global Groups (eg. Sales users are members of the Sales Global Group).

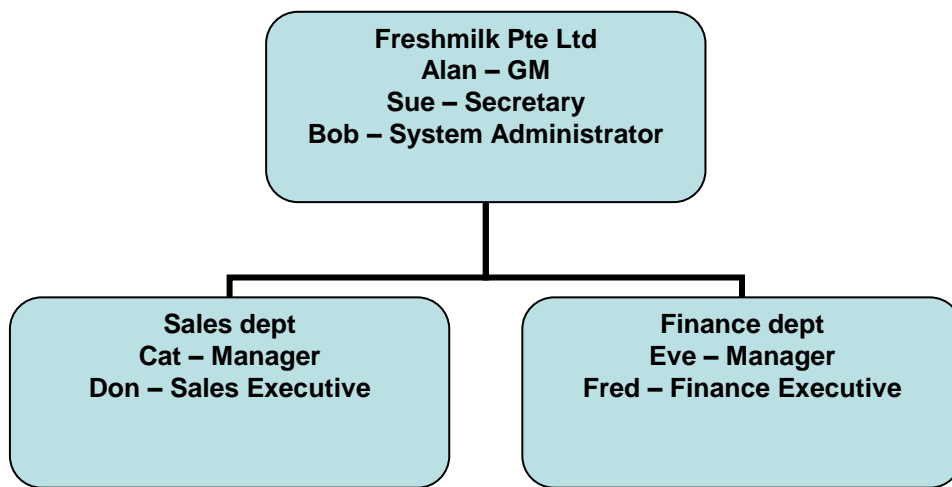We shall use this scenario for our later practical exercises.

Freshmilk Pte Ltd
Alan – GM
Sue – Secretary
Bob – System Administrator

Sales dept
Cat – Manager
Don – Sales Executive

Finance dept
Eve – Manager
Fred – Finance Executive

Fig. A

The End