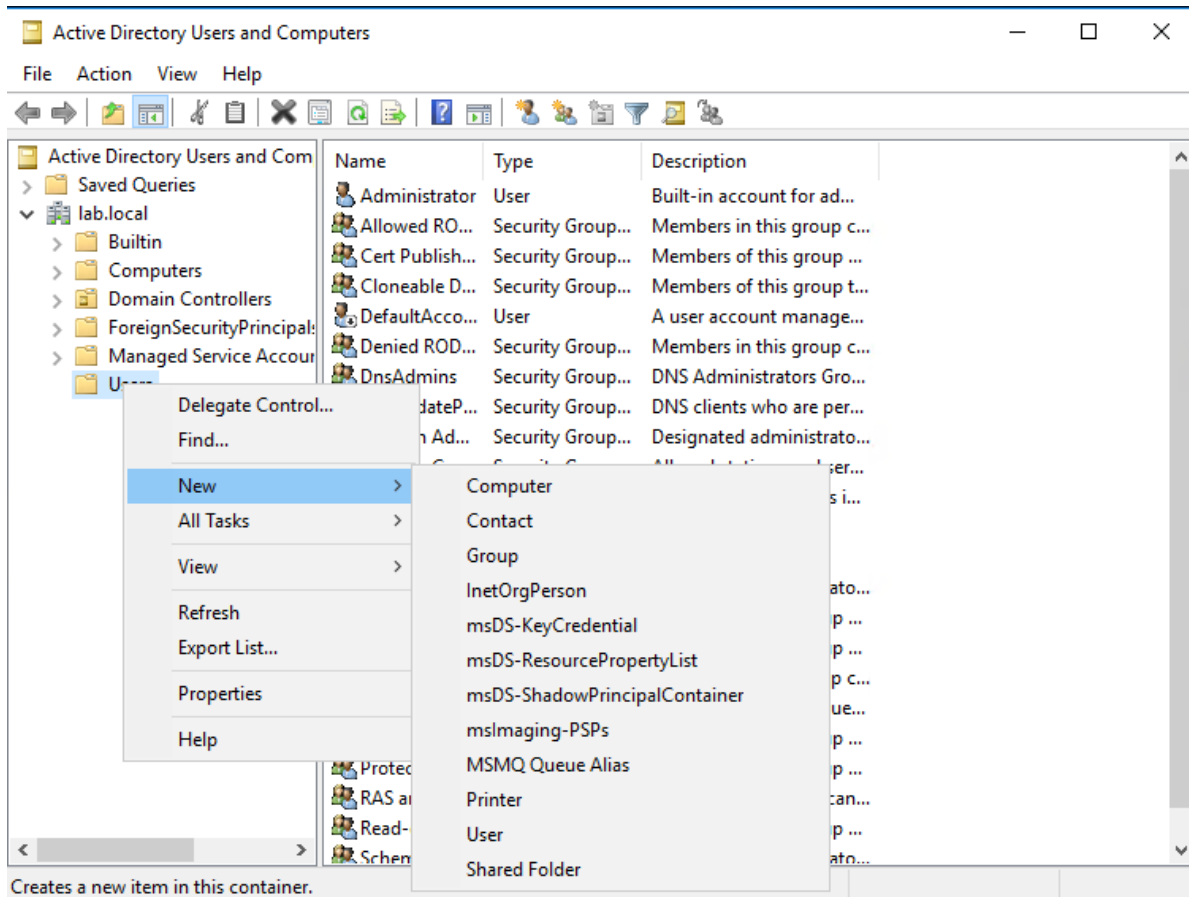**Lab Guide**

Create Active Directory objects

Create Active Directory objects

(Users, Group, Organizational Units)

1. To create user account, go to **Server Manager**, click on **Tools**, then click on "**Active Directory Users and Computers**"

   R-click on "**Users**" container, go to **New**, then select **User**

   Name the new user "**Max**" and give him the password "Pa$$word"

2. Create a group with the name **Admins** in the same location as the user account.
3. Create Organization Unit and name it **IT**, using the same window, but place in the root of the domain by r-click on **lab.local** from the left pane.
4. Move the user account **Max** to the organizational unit **IT**
5. Move the group **Admins** to the organizational unit **IT**
6. Open user account properties for **Max**, edit his group membership to make him member of the group **Admins**
7. In the account properties for **Max**, go to **Organization** tap, enter the job title **System Admin**, and company name "Lab".
8. Use the provided file **create_ou_lab.bat** to create the OU tree for your domain

9. Use **Dsadd** command to create a group named **Cairousers** in this path "ou=Cairo,ou=Egypt,dc=lab,dc=local"

10. Use the provided file "**CreateUsers_lab.bat**" to create bulk of users.

11. Use the provided files "**Create-Lab-Users.ps1**" and "**Lab-Users.csv**" to create bulk of users from csv file using PowerShell.

12. In this point you will experience NTFS permissions:

- Create a folder in **DC1** named **Database**
- Open **Active Directory Users and Computer**, and Create **Operations** group (Consider the recommendation)
- Create **Marketing** and **Sales** Group
- Nest **Marketing** and **Sales** inside **Operation**
- Add **Max** to **Marketing** and **Sales**
- Share the **Database** to the Group **Operations** with full control permissions
- Add **Marketing** and **Sales** groups in the ACL and configure the following permissions for them
- Add **Read** permission to **Marketing**
- Add **Deny Read** Permission to **Sales**
- Login to **Client1** using **Max**
- Will you have access to the shared folder run=> \\dc1\database
- Yes, or No?

13. In this point you will do a delegation of administration:

1. Delegating administrative permissions on an OU

Create a new OU

1. On **DC1**, in Active Directory Users and Computers, click **Lab.local**.
2. Click the **New OU** icon on the toolbar.
3. In the **New Object – Organizational Unit** dialog box, type **Human Resources** in the **Name** field,
2. and then click **OK**.

Use the Delegation of Control Wizard to assign a task to the use "Max"

1. Right-click the OU **Human Resources**, and then click **Delegate Control**.
2. In the **Delegation of Control Wizard**, click **Next**.
3. On the **Users or Groups** page, click **Add**.
4. In the **Select Users, Computers, or Groups** dialog box, in **Enter the object names to select**

3. **(examples)**, type **Max**, click **Check Names**, click **OK**, and then click **Next**.

5. On the **Tasks to Delegate** page, select the check boxes beside **Reset user passwords**

4. and **Join a computer to the domain**, and then click **Next**.

6. Click **Finish**.