Lab Guide

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"

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- 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
- 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

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- 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**.