

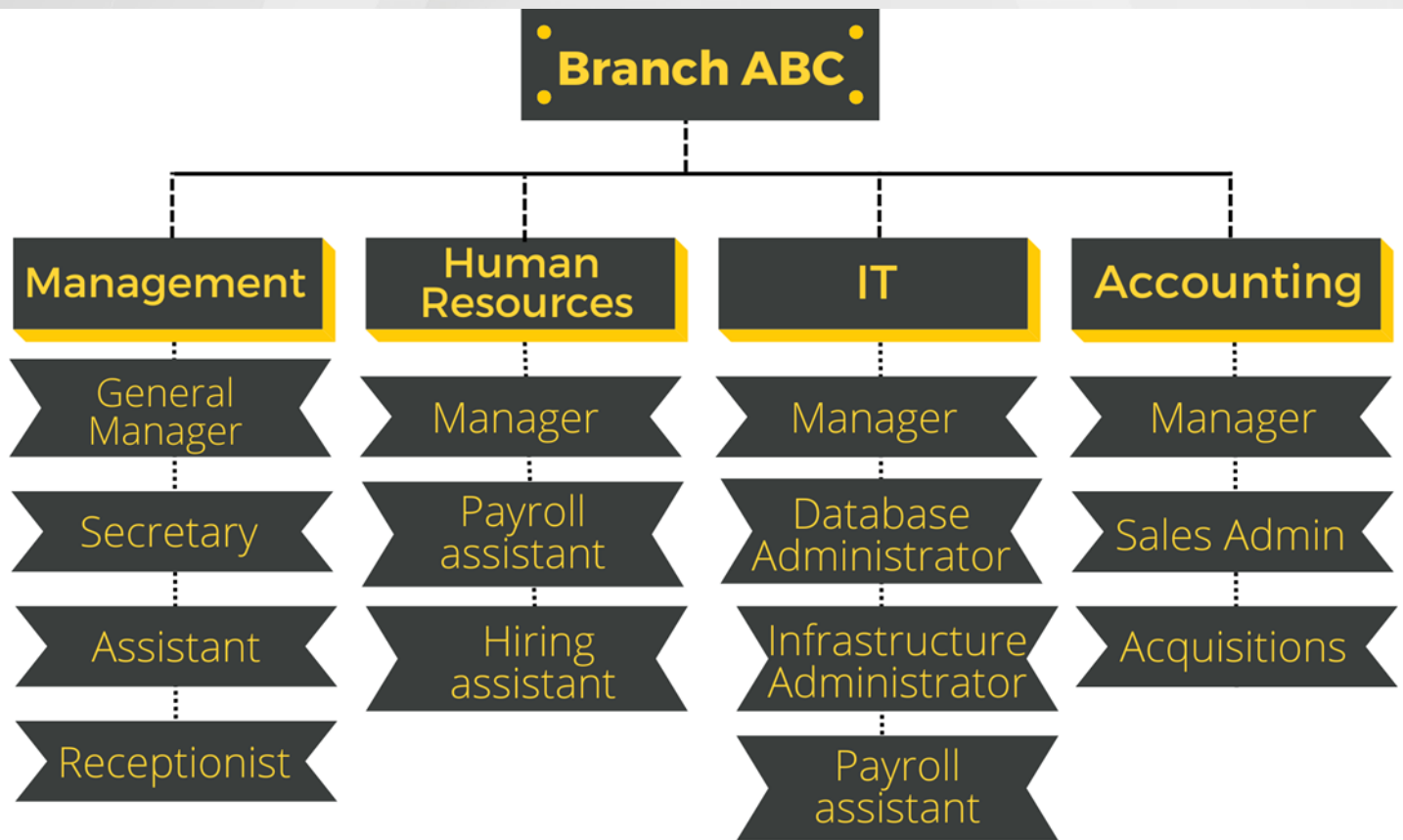
Active Directory Lab #2 Create objects in Active Directory

Objective:

The objective of this laboratory is to learn how to implement the different objects in Active Directory (user accounts, computer accounts, and groups).

Requisites:

- Laboratory #1. Active Directory
- The following organization chart:

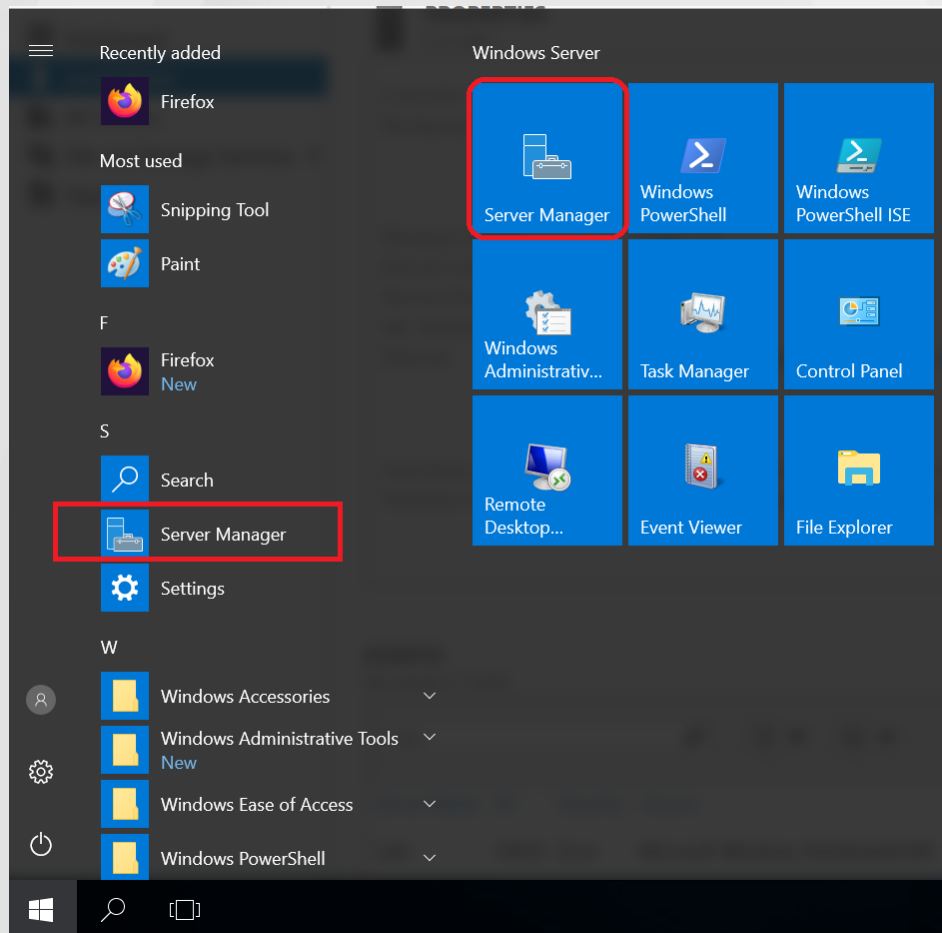


Task 1: Get into the management tool

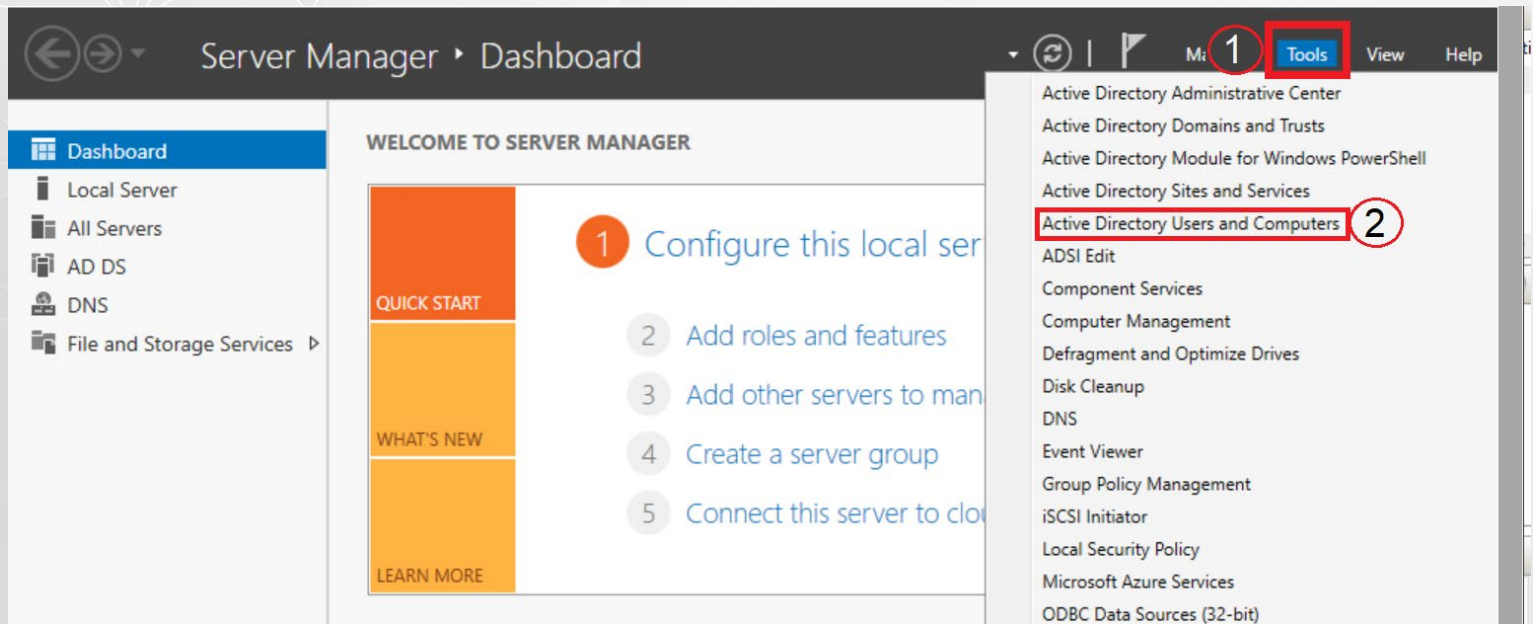
1. Go to the Start menu



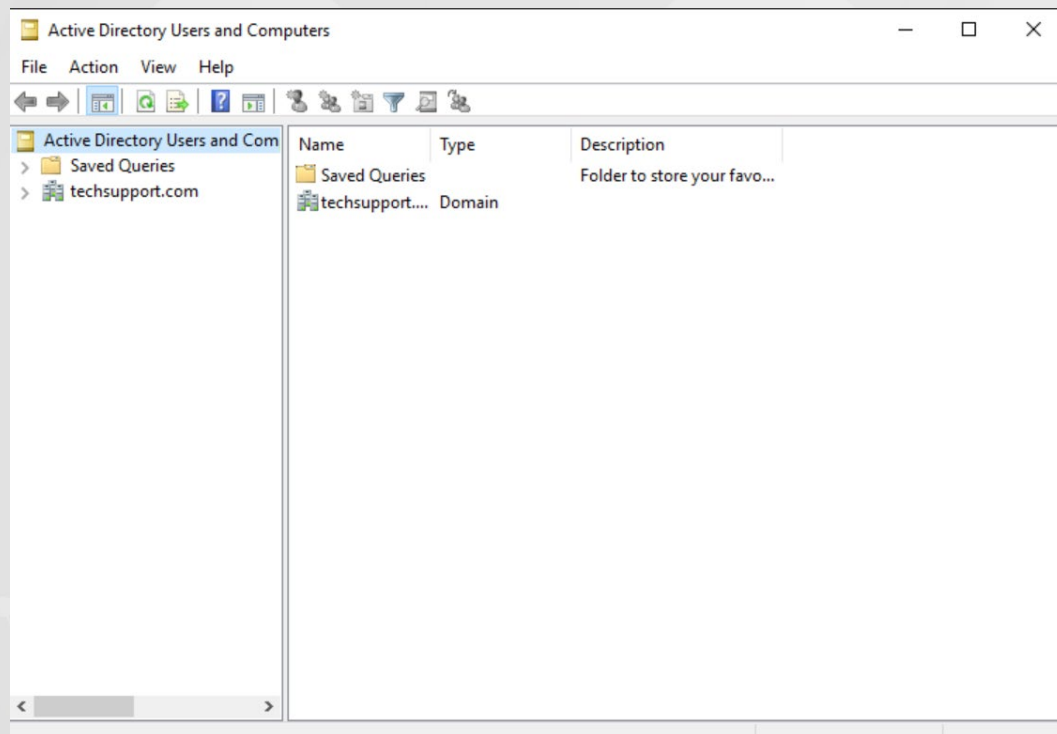
2. Click to the Server Manager



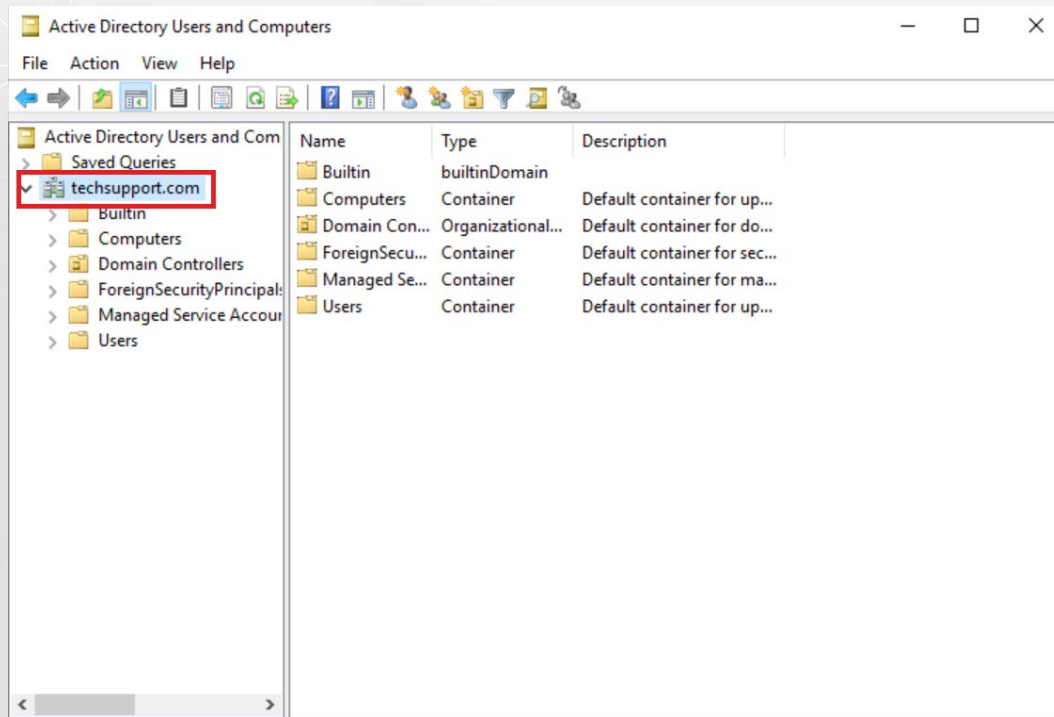
3. Look for the Tools option (1) and then click to Active Directory Users and Computers (2)



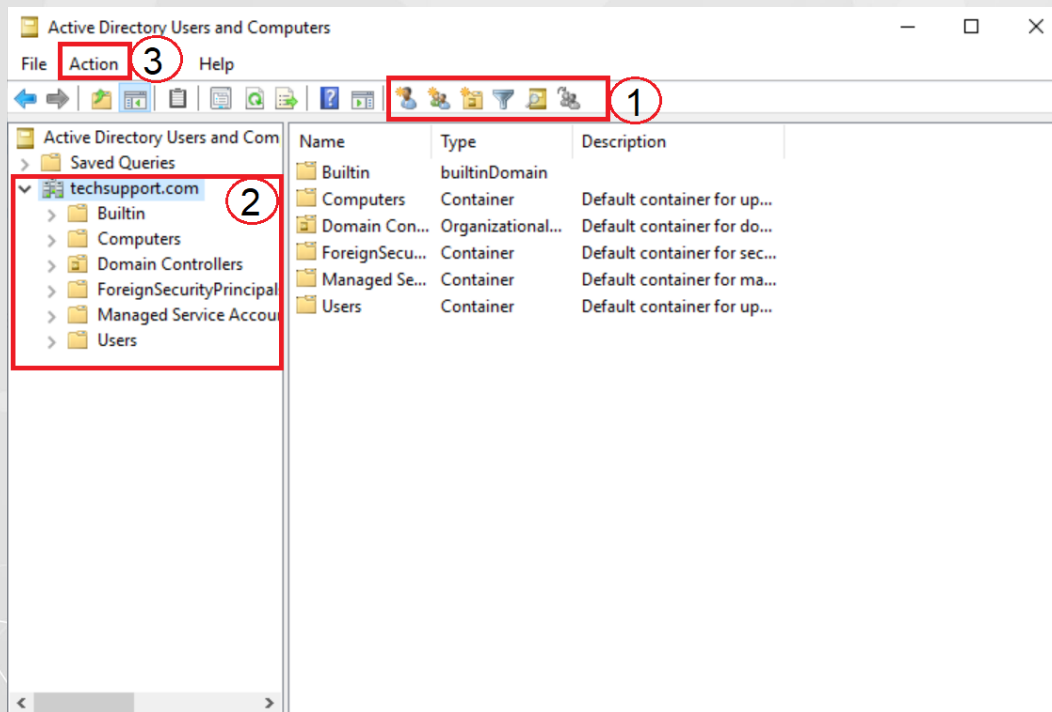
4. It is going to open a new Window with the objects management tools



5. You should do click on the server to start the functions



6. The tool has three ways to create the objects, the first is by using the icons on the right of the tool's top bar, the second is by right clicking on the name of the server or one of the OUs on the server and the third option is using the action menu, all the options have the new button and give the option to create new objects.

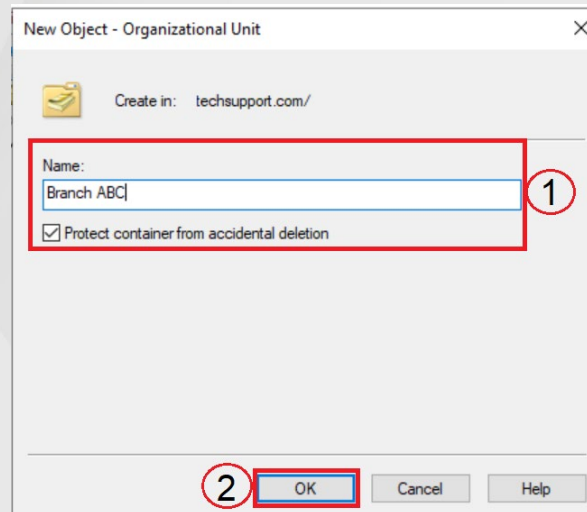


Task 2: Create an Organizational Unit

1. To create an OU (Organizational Unit) you need to select the icon on the right of the tool's top bar

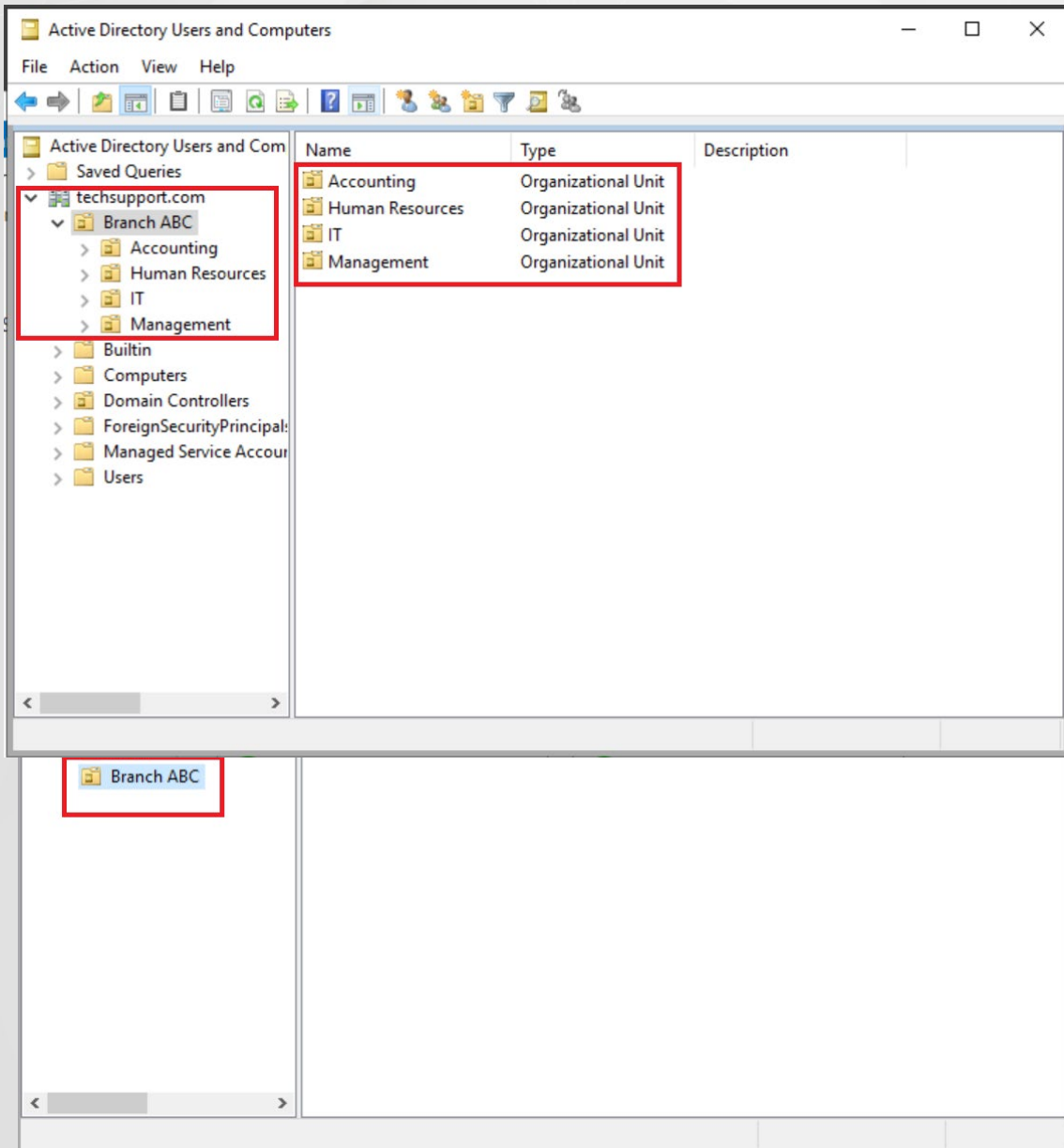


2. A pop-up named New Object-Organizational Unit will appear, the organizational unit will be named Branch ABC (1) then click ok (2)



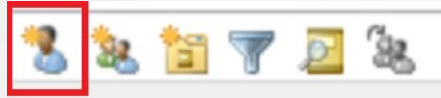
3. You will know that it has been created correctly when the OU appears in the left bar of the management tool
4. Use the Branch ABC organization chart to create a hierarchical organization for the OUs

Task 3: Create a User

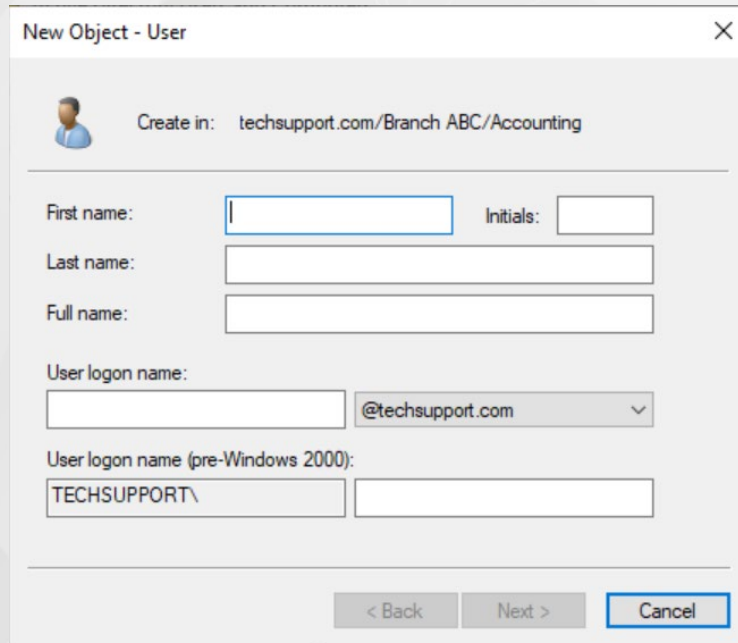


The most common thing that you are going to create in AD are users and their respective accounts, for this we do the following steps.

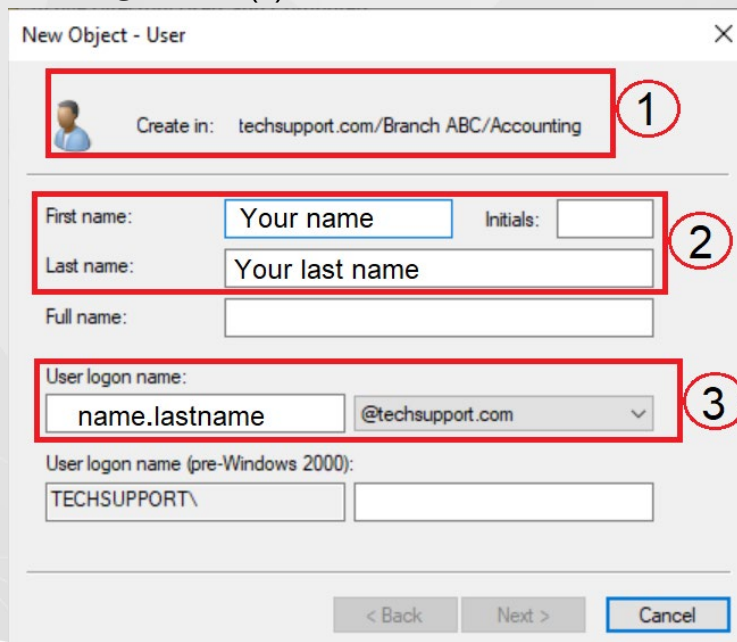
1. To create a User, you must enter the selected OU and click on the icon to the right of the upper toolbar



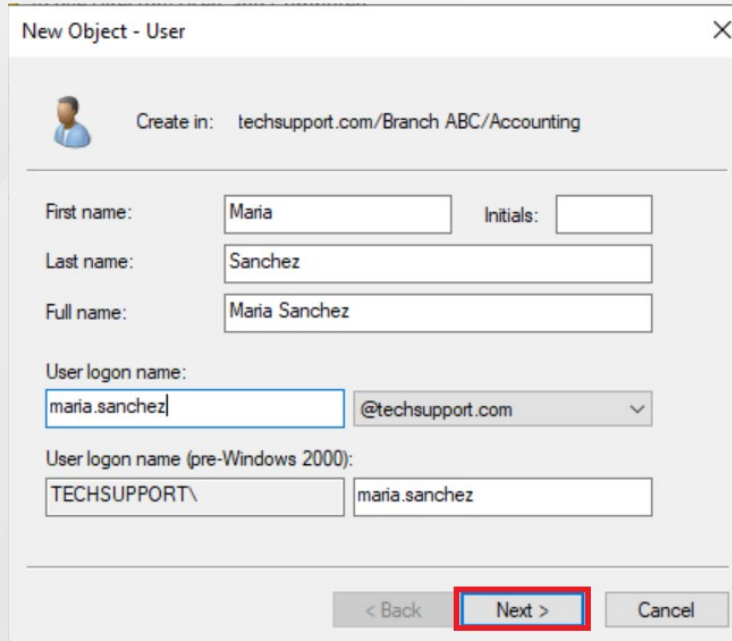
2. A pop-up named New Object-User will appear



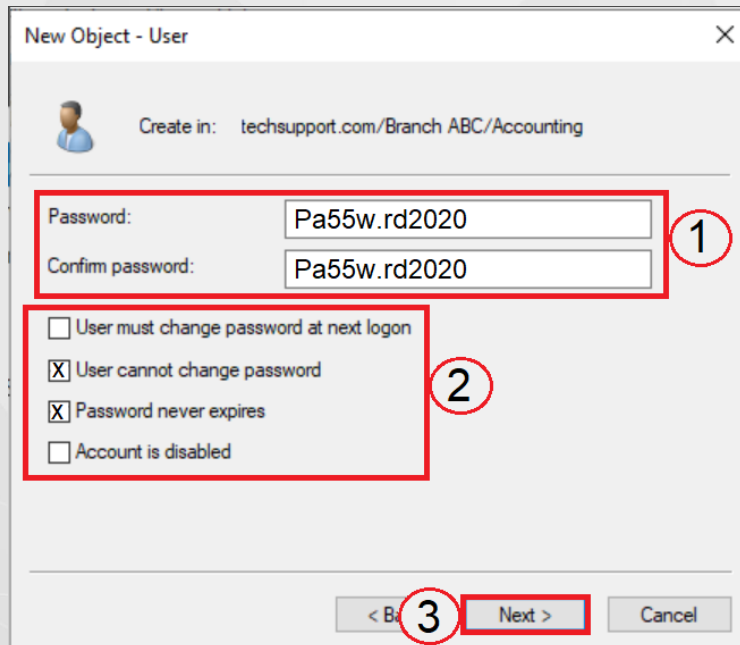
3. The first user will be in the Accounting OU (1) and will be your name (student name) (2) the user account will be structured as follows: name.surname@domain (3)



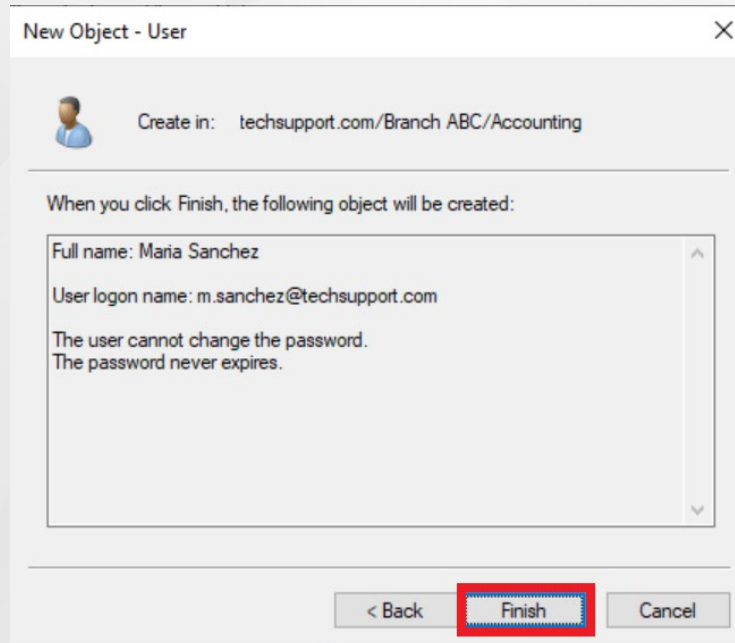
4. When the necessary fields are filled, click on the next button



5. In the next step it will appear a password field, you are going to fill it with **Pa55w.rd2020** (1), in the other fields for this exercise you are going to use just the "User cannot change the password" and the password never expires options (2) then click next (3)



6. In the last window you can review the information for your user account



New Object - User

Create in: techsupport.com/Branch ABC/Accounting

When you click Finish, the following object will be created:

Full name: Maria Sanchez

User logon name: m.sanchez@techsupport.com

The user cannot change the password.
The password never expires.

< Back Finish Cancel


7. You must create an account for each user in the organization chart for every OU, you can use real names or the following examples (you can create more by mixing first and last names):

Name	Last Name
Emma	Jackson
Gordon	Nash
Claire	Edmunds
Isaac	Terry
Tyler	Fisher

8. When the user is created you must modify the missing information for everyone in the "General" (1) and the "Organization" tab (2) the click in apply

Maria Sanchez Properties 1 ?

Remote control	Remote Desktop Services Profile	COM+
Member Of	Dial-in	Environment
General	Address	Account
	Profile	Telephones
		Sessions
		Organization

 **Maria Sanchez**

First name: Initials:

Last name:

Display name:

Description:

Office:

Telephone number:

E-mail:

Web page:

Maria Sanchez Properties 2 ?

Member Of	Dial-in	Environment	Sessions
Remote control	Remote Desktop Services Profile	COM+	
General	Address	Account	Organization
	Profile	Telephones	

Job Title:

Department:

Company:

Manager

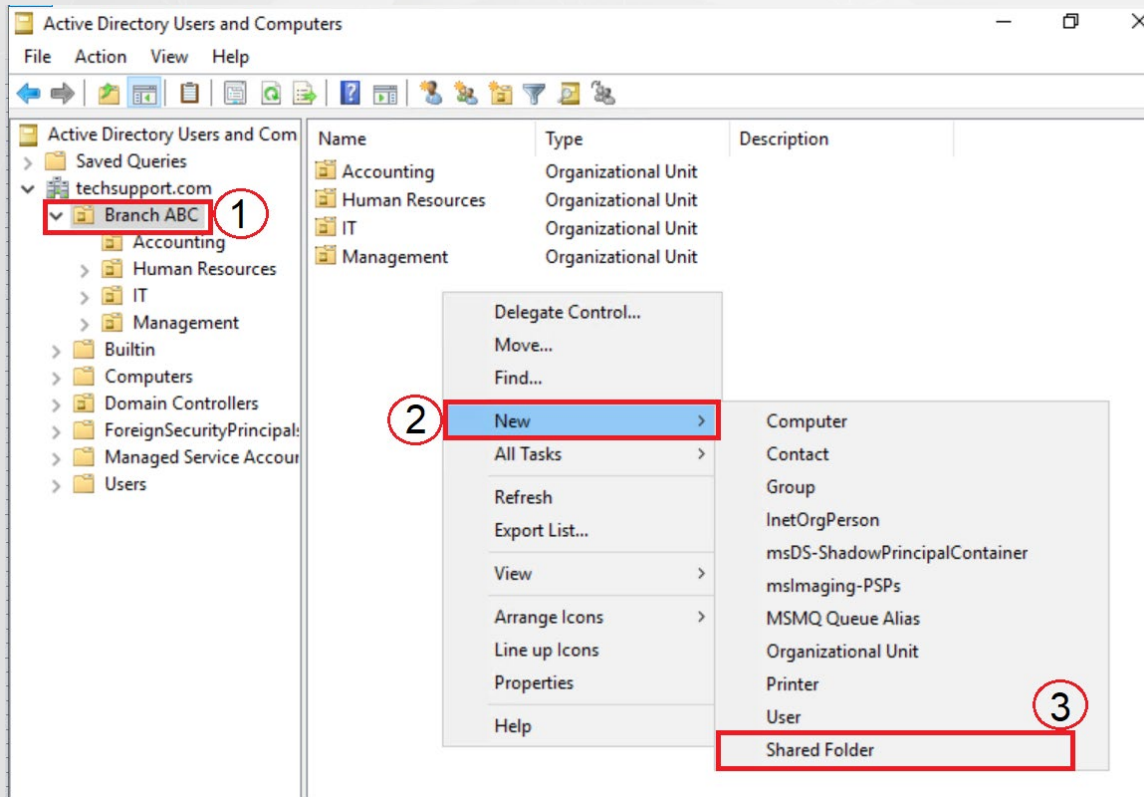
Name:

Direct reports:

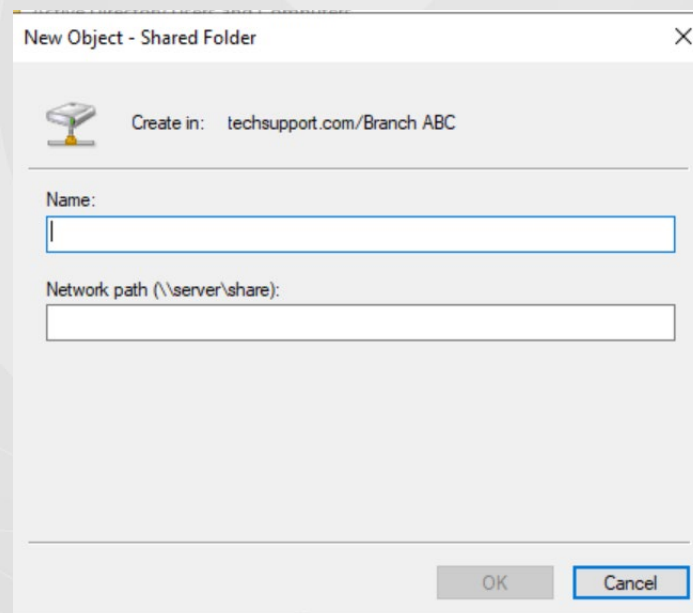
Task 4: Create a Shared Folder

From the Branch ABC OU, we are going to create a shared folder. These objects are used to share information within a domain.

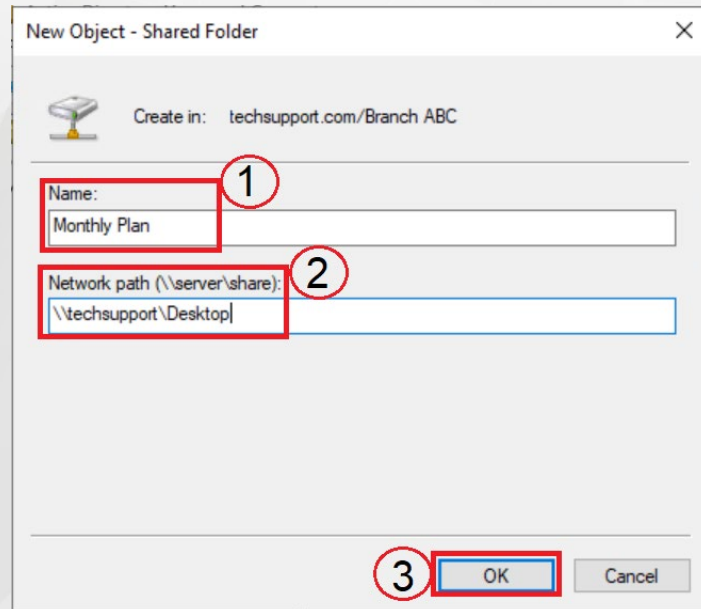
1. Go to Branch ABC (1), right click on the blank space, select new (2) and then click on shared folder (3)



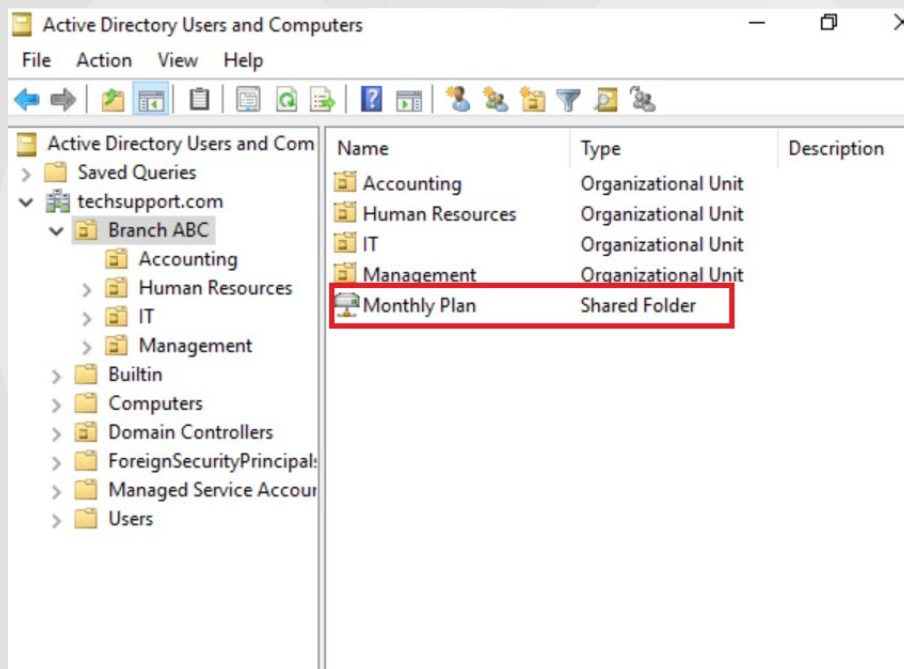
2. A pop-up named New Object-Shared Folder will appear



3. In the New Object window fill the name field with **Monthly Plan** (1) and, in the path, type the following **\\techsupport\Desktop** (2) then click in ok (3)



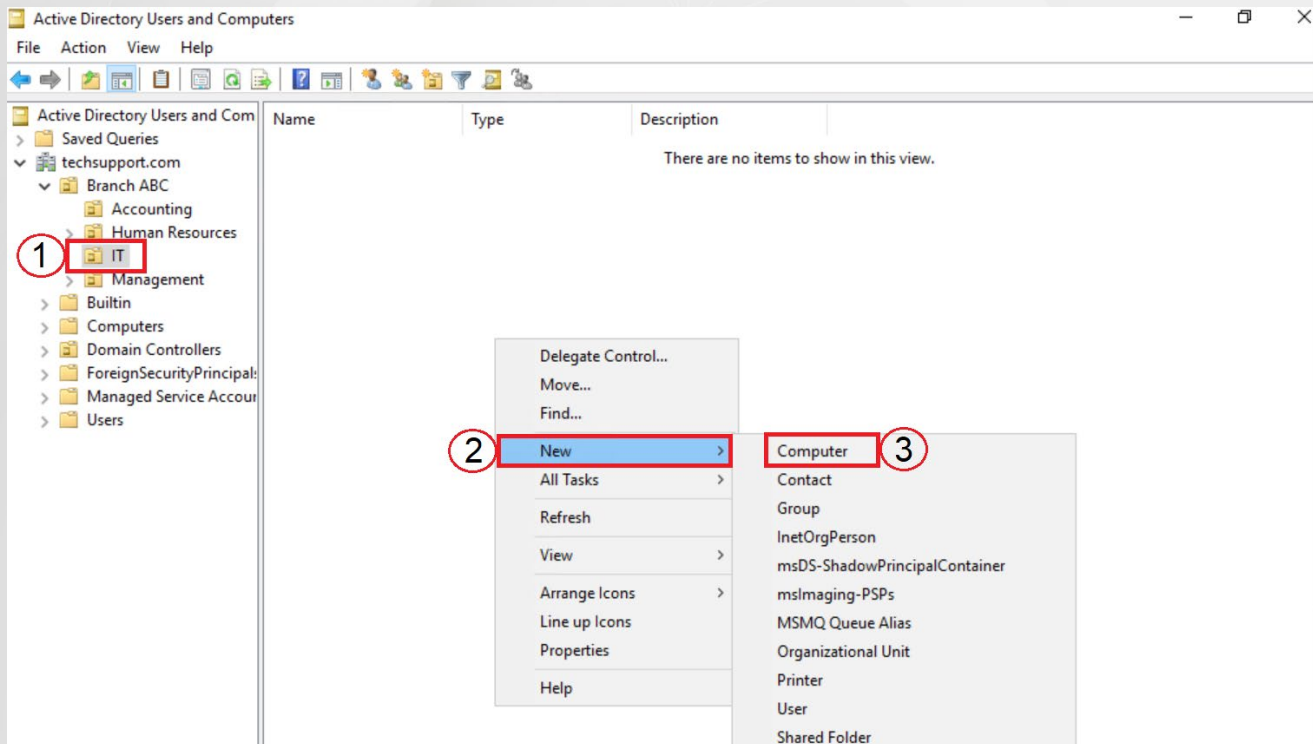
4. If the shared folder was created, it will appear in the Branch ABC OU



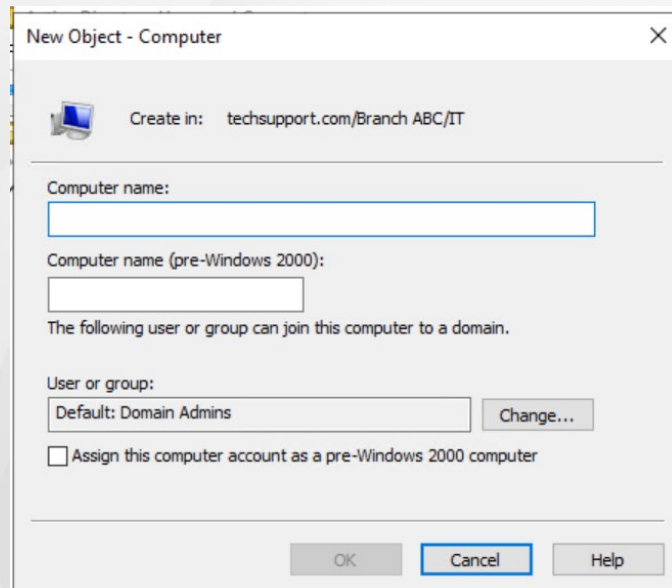
Task 5: Create a PC account

In AD we can assign permissions at the level of a computer, so any user can use it, but the computer is subject to the rules assigned from AD.

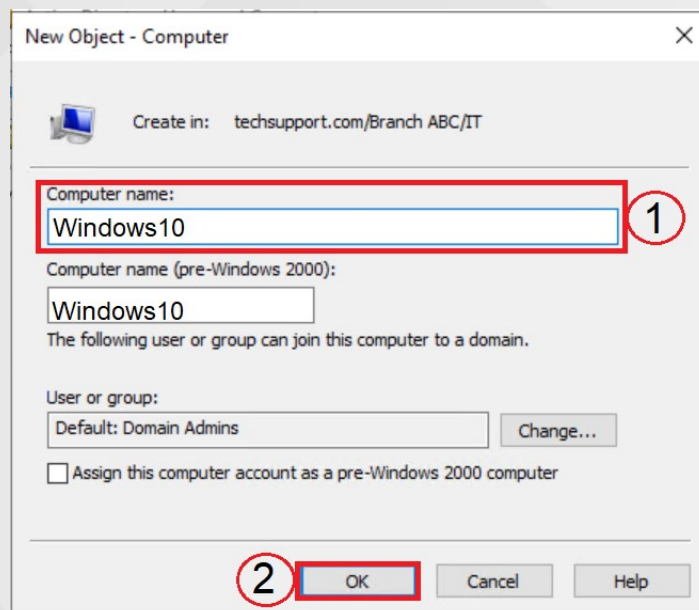
1. Within the IT OU in Branch ABC, we are going to create a computer. Go to IT (1), right click on the blank space, select new (2) and then click on shared folder (3)



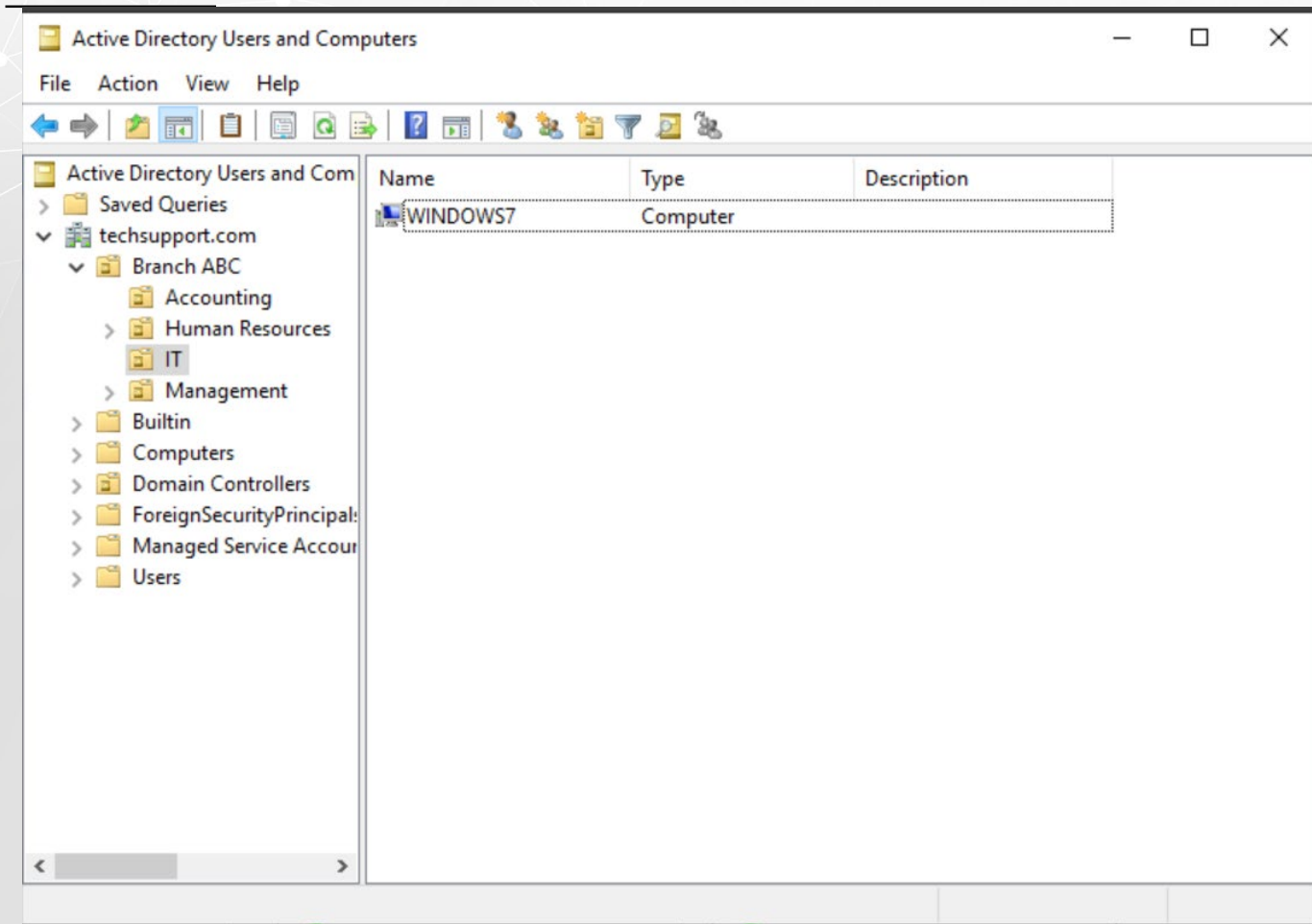
2. A pop-up named New Object-Computer will appear



3. In the New Object window fill the computer name field with **WINDOWS10** (1)
and then press OK (2)



4. It should look like this



Task 6: Create a Group

Groups are created for users who are in different OUs and when it is one or a small group of users within an OU that need a series of special permissions, or they are also used to create mailing lists.

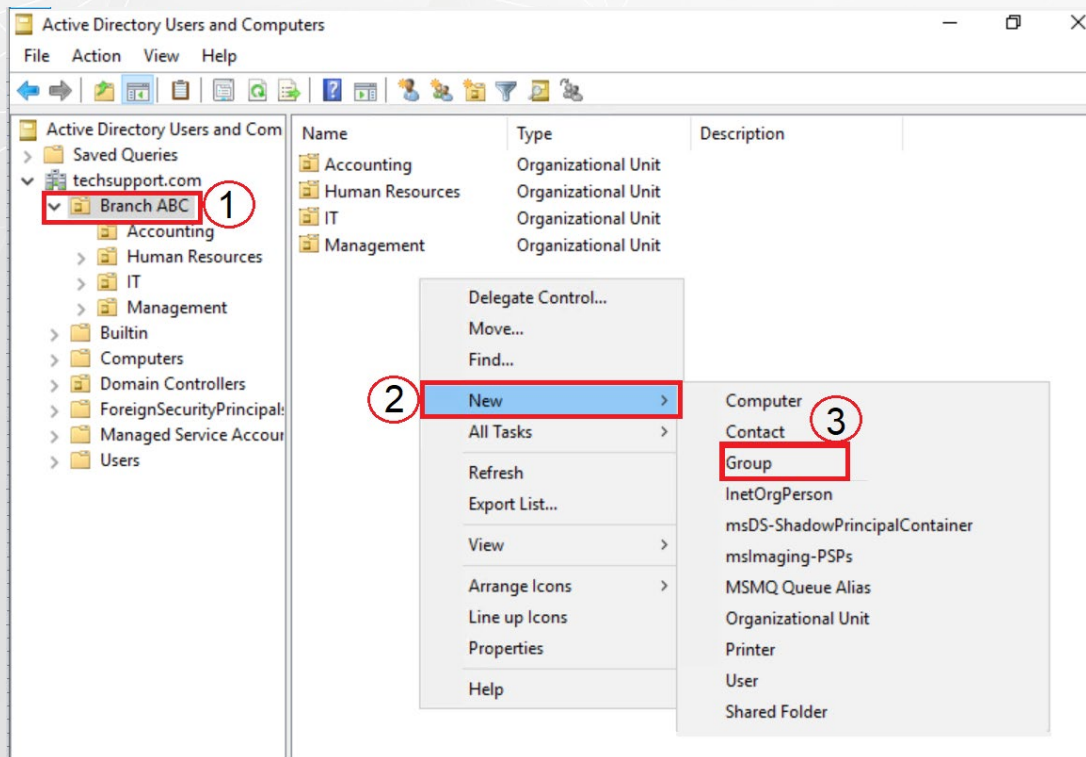
There are two types of groups:

- Distribution groups: for email and to create email lists.
- Security groups: to assign security permissions.

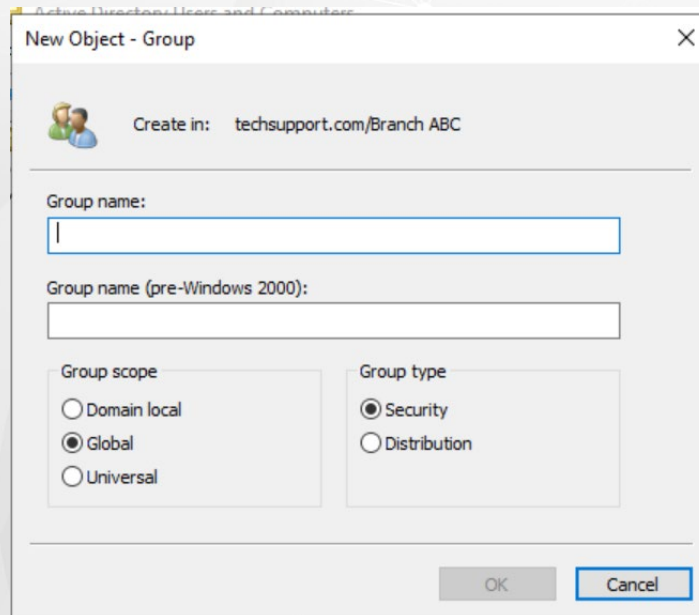
We also need a scope for benefits or permissions and there are three types:

- Universal: for all elements in several forests.
- Global: in various domains within a forest.
- Domain local: in a single domain.

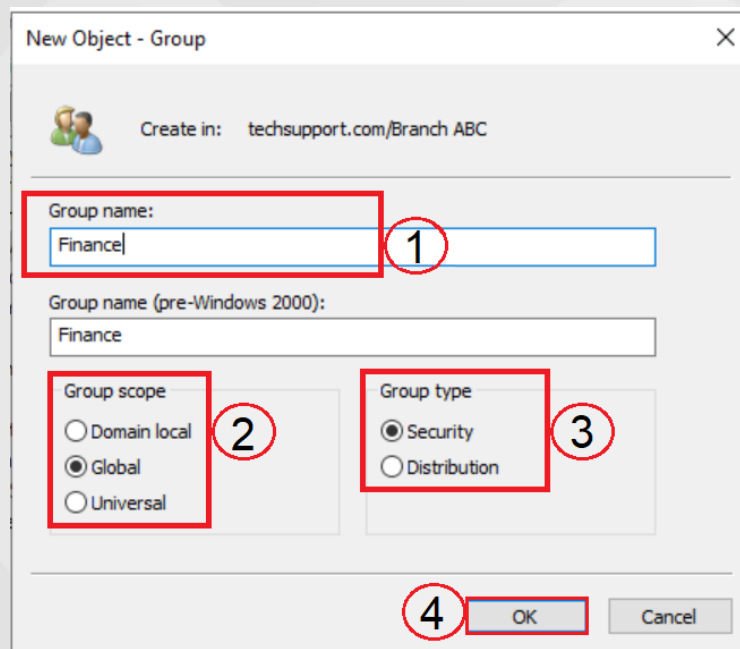
1. Go to Branch ABC (1), right click on the blank space, select new (2) and then click on group (3)



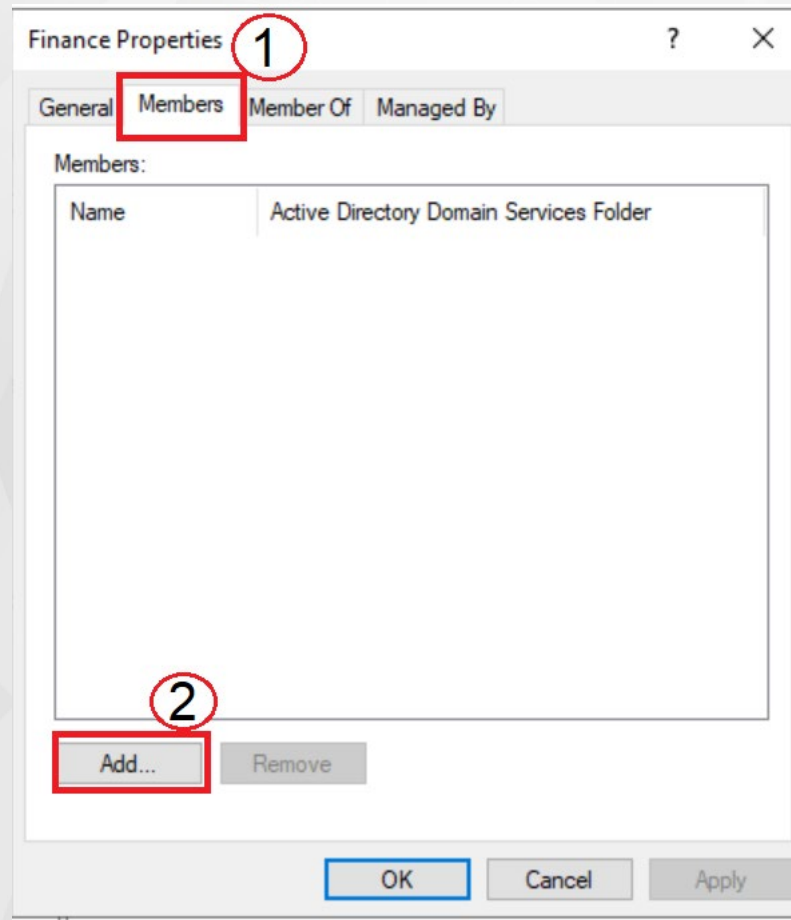
2. A pop-up named New Object-Computer will appear



3. In the New Object window fill the group name field with **Finance** (1), in Group Scope select **Global** (2), in the Group type select **Security** (3), and then press OK (4)



4. Now to configure the group and assign members we double click on Finance, at the top of the new window we have several tabs, look for the one that says Members and click on it, in the bottom right corner there is an add button (2).



5. To add users in the white box (1), type your name and click verify names (2), your name and account should appear, when it's added then press OK (3).

Select Users, Contacts, Computers, Service Accounts, or Groups

Select this object type:

From this location:

Enter the object names to select (examples):

6. In the security part you can see the permissions assigned to the group, for this exercise leave it in Creator Owner (if you select the other options, you will see that the permissions change). Then we press OK.

Finance Properties

General Members Member Of Managed By

Object Security Attribute Editor

Group or user names:

- CREATOR OWNER
- SELF
- Authenticated Users
- SYSTEM
- Domain Admins (TECHSUPPORT\Domain Admins)
- Enterprise Admins (TECHSUPPORT\Enterprise Admins)

Permissions for CREATOR OWNER

	Allow	Deny
Full control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Read	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Create all child objects	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Delete all child objects	<input checked="" type="checkbox"/>	<input type="checkbox"/>

For special permissions or advanced settings, click Advanced.