

Setup Resource Sharing (Active Directory)

Contents :

- Install Active Directory
- Join Domain
- Manage Users
- Resource Sharing
- Create Policy
- Exercise

Lab : Install Active Directory

Objectives

After completing this Lab, you will :

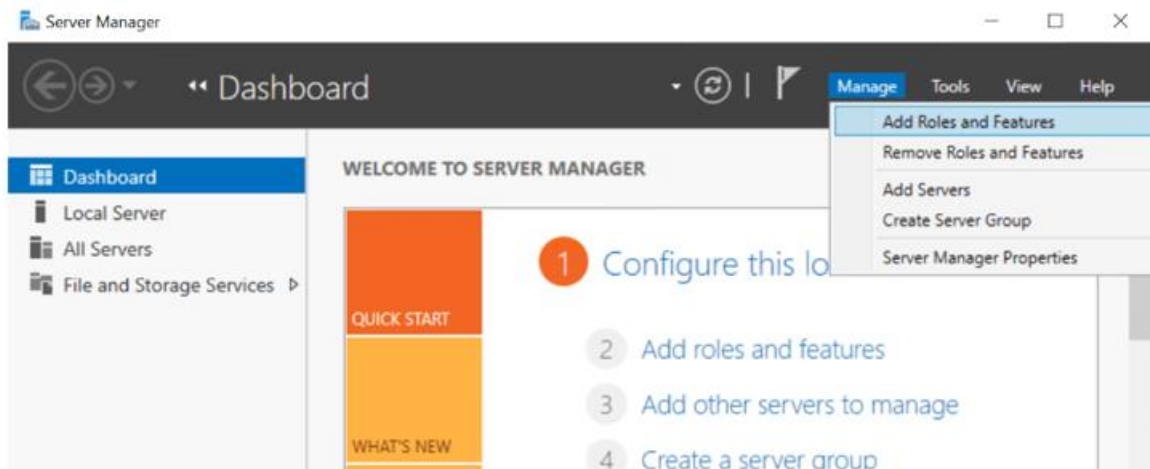
- Able to install Active directory

Prerequisites

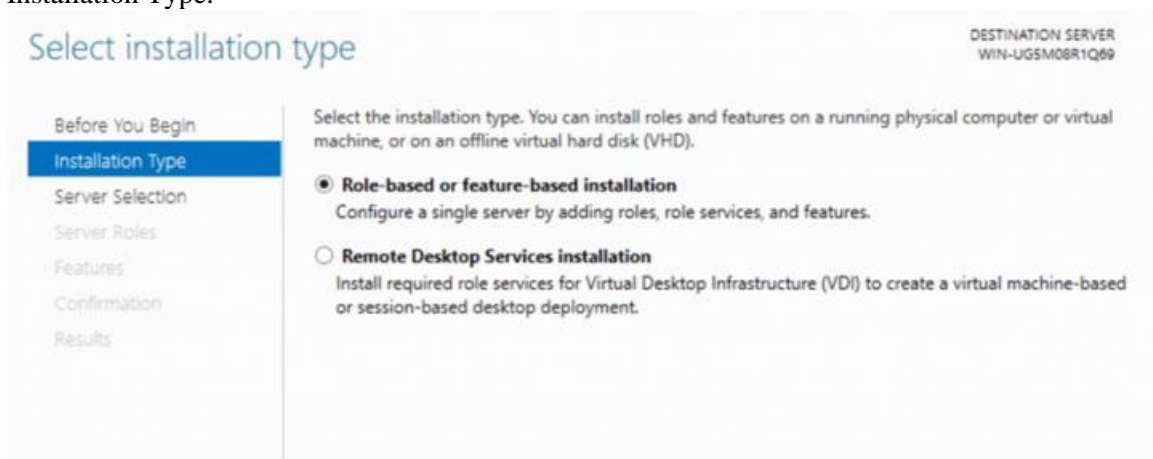
- Understand Basic Concept of Active directory

Lab 1 : Install Active Directory

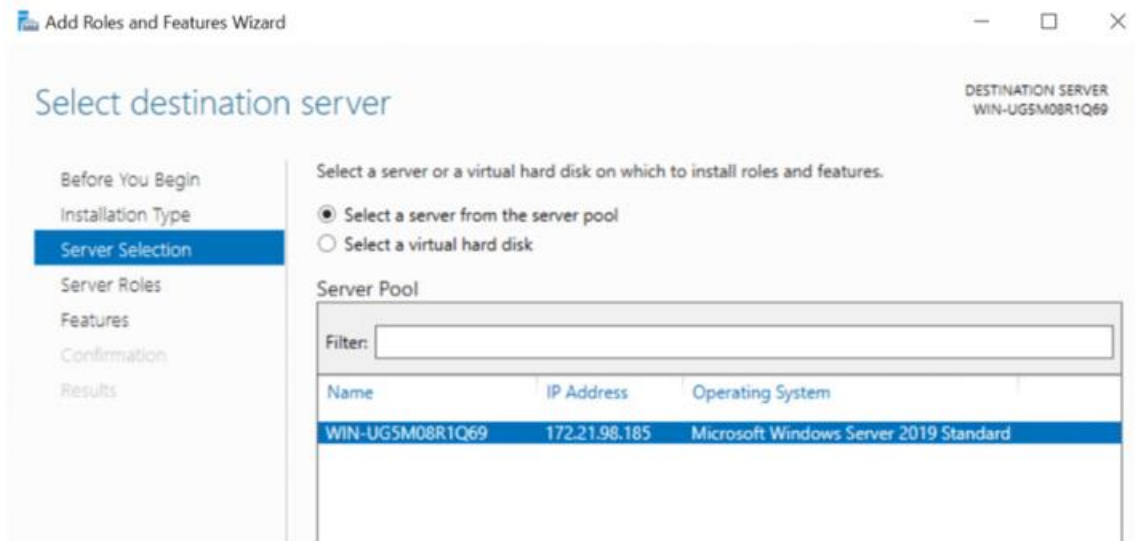
1. On Windows Server, Open Server Manager.
2. Add Roles and Features.



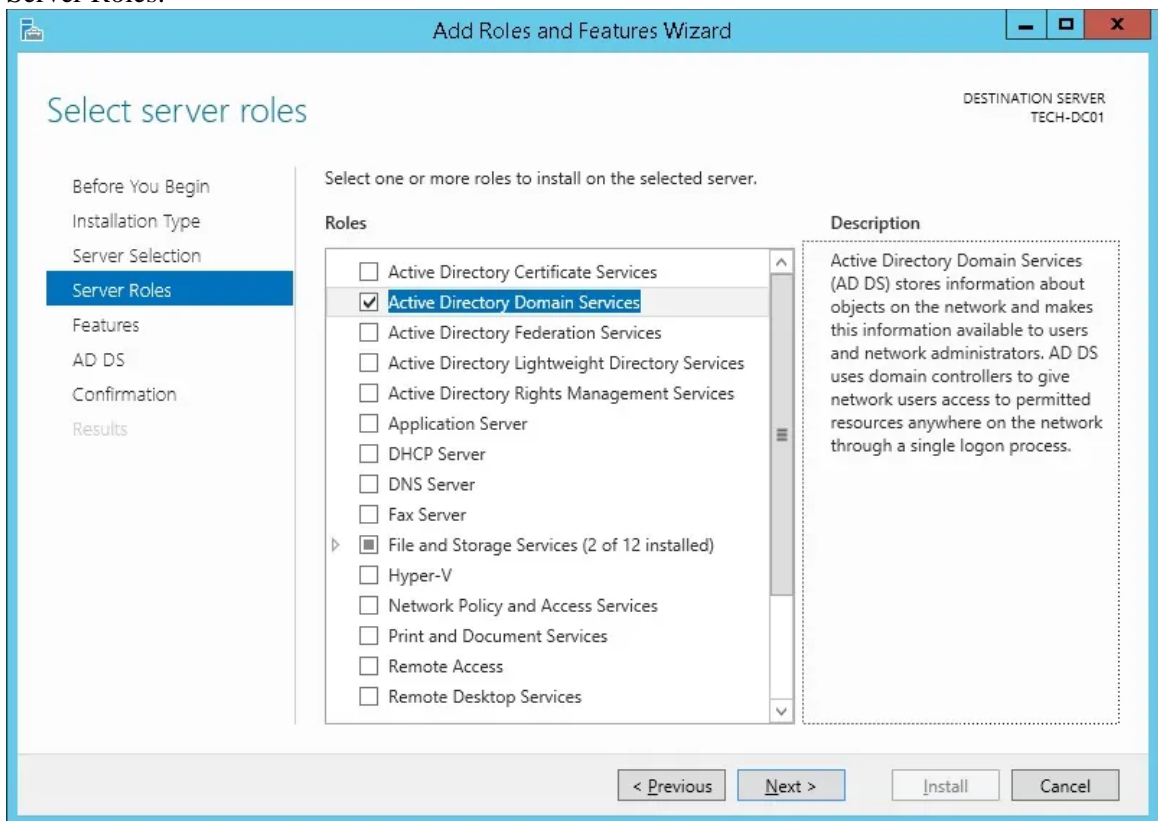
3. Installation Type.



4. Server Selection.

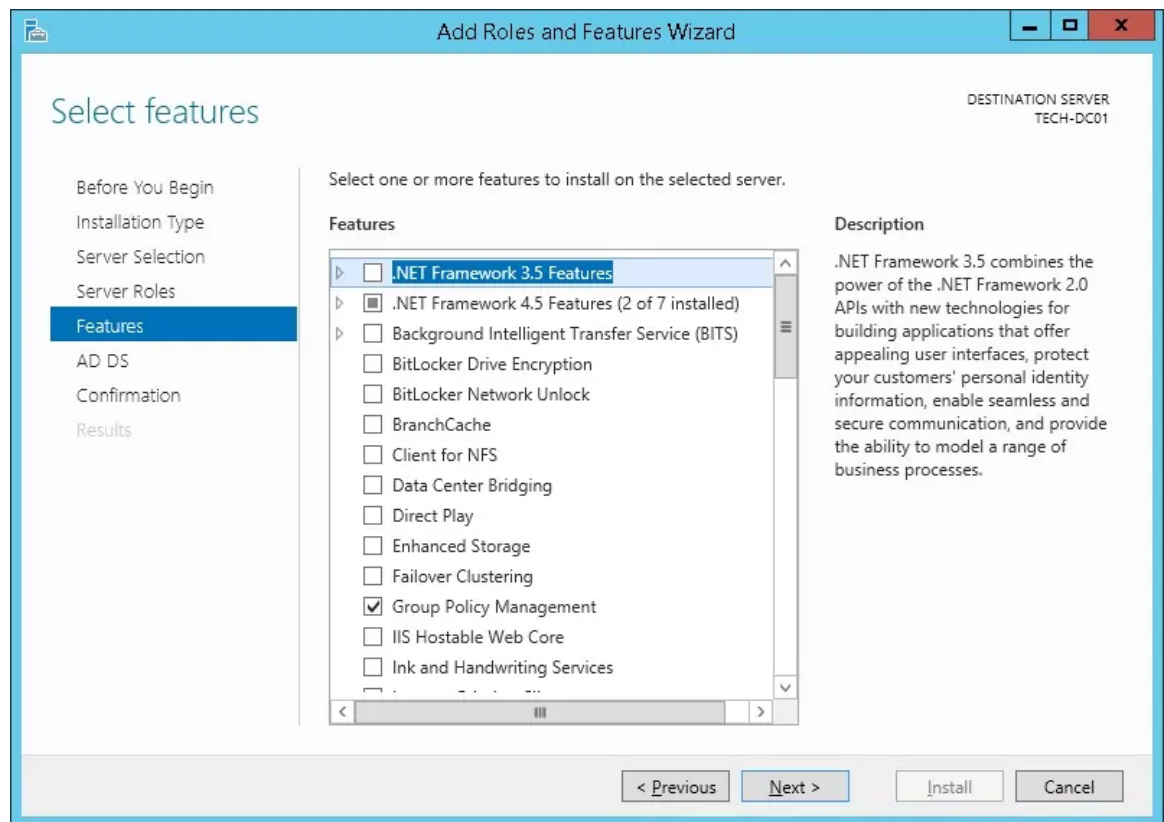


5. Server Roles.

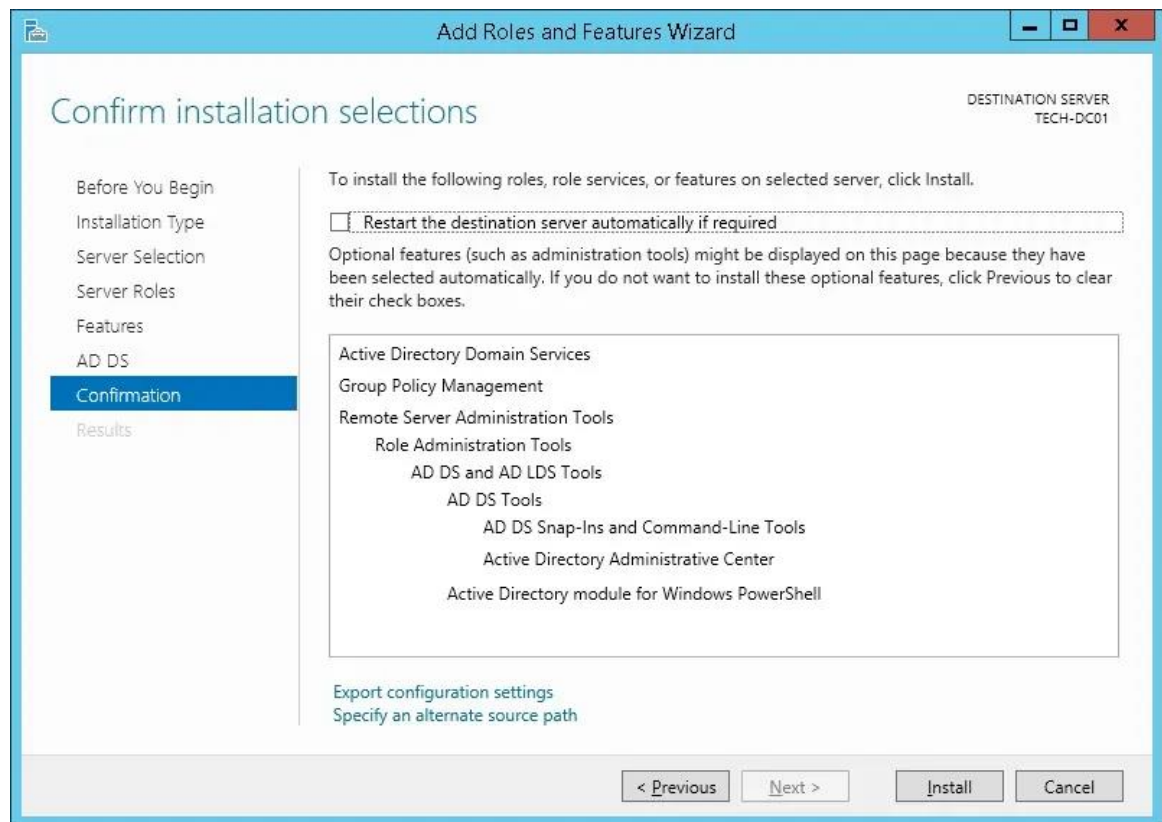


Choose “**Active Directory Domain Services**”

6. Add Features.

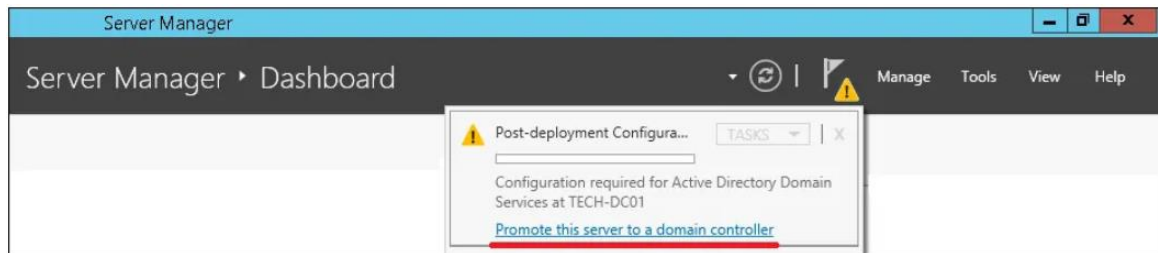


7. Install AD DS.

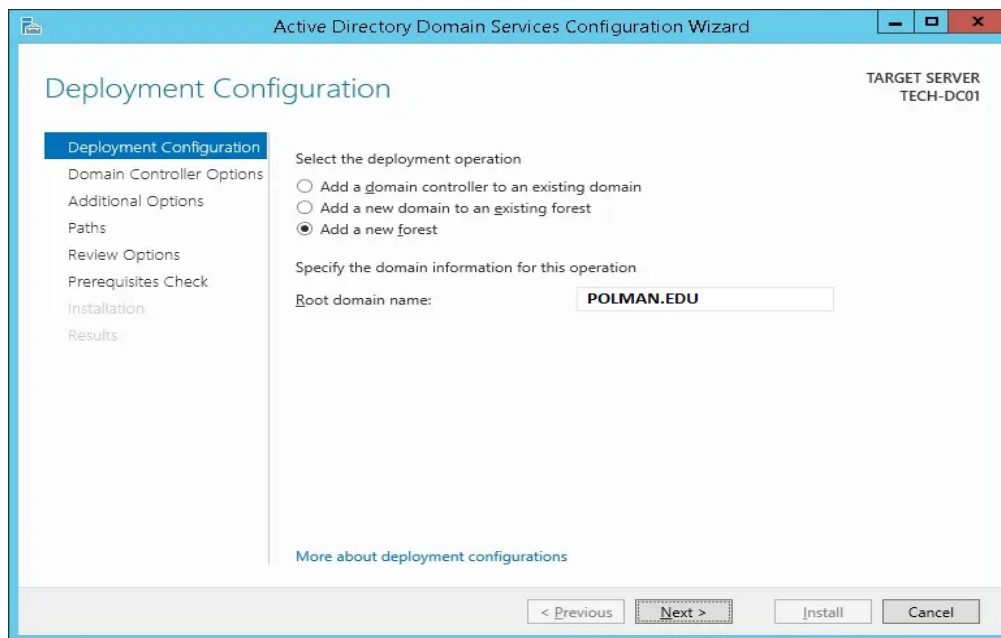


Lab 2 : Promote Server to a Domain Controller

1. On Server Manager, Click Yellow Flag dan Choose Promote this Server to a domain Controller.

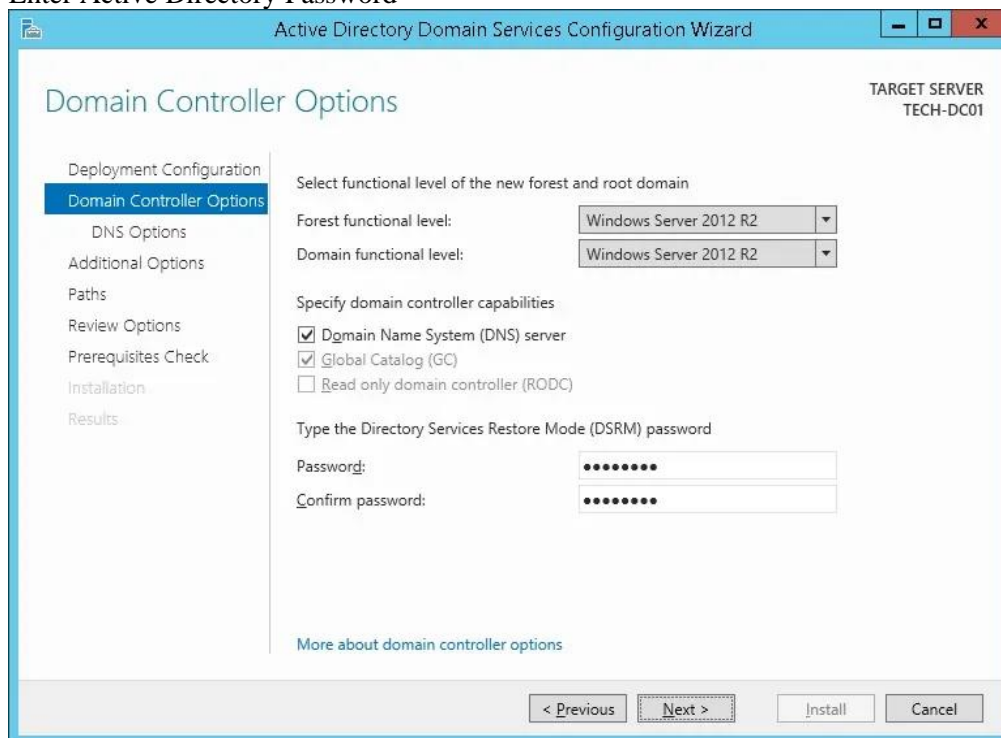


2. Type root domain name : POLMAN.EDU



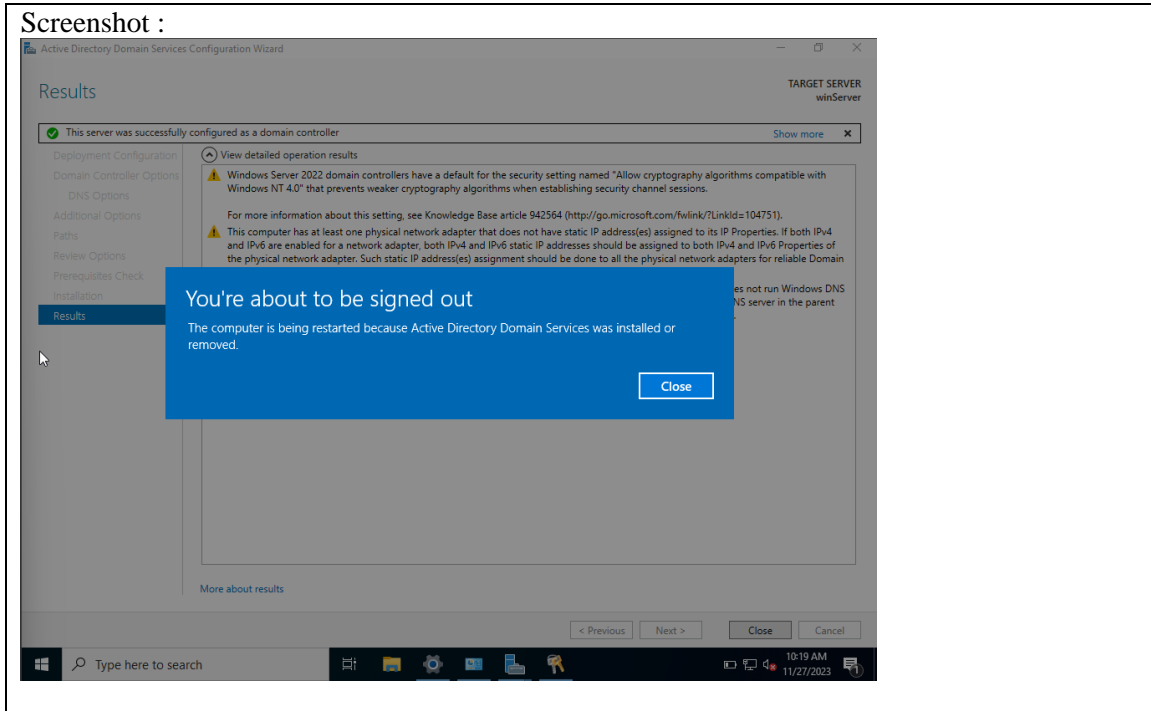
The screenshot shows the 'Deployment Configuration' step of the Active Directory Domain Services Configuration Wizard. The left sidebar lists the steps: Deployment Configuration (selected), Domain Controller Options, Additional Options, Paths, Review Options, Prerequisites Check, Installation, and Results. The main area has the title 'Deployment Configuration' and 'TARGET SERVER TECH-DC01'. It asks to 'Select the deployment operation' with three radio buttons: 'Add a domain controller to an existing domain', 'Add a new domain to an existing forest', and 'Add a new forest' (which is selected). Below, it asks to 'Specify the domain information for this operation' with a text box for 'Root domain name:' containing 'POLMAN.EDU'. At the bottom are buttons for '< Previous', 'Next >', 'Install', and 'Cancel'.

3. Enter Active Directory Password



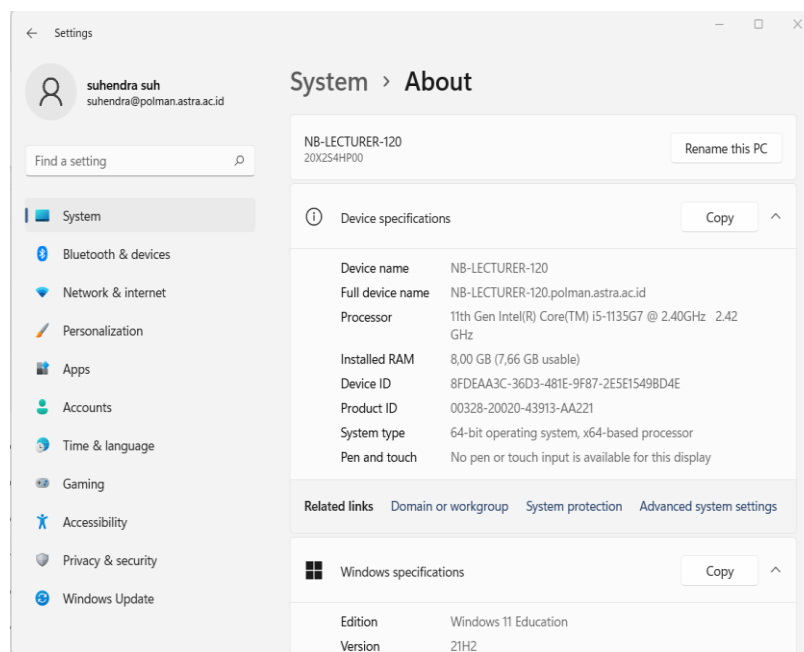
The screenshot shows the 'Domain Controller Options' step of the Active Directory Domain Services Configuration Wizard. The left sidebar lists the steps: Deployment Configuration, Domain Controller Options (selected), DNS Options, Additional Options, Paths, Review Options, Prerequisites Check, Installation, and Results. The main area has the title 'Domain Controller Options' and 'TARGET SERVER TECH-DC01'. It asks to 'Select functional level of the new forest and root domain' with two dropdown menus: 'Forest functional level:' and 'Domain functional level:', both set to 'Windows Server 2012 R2'. Below, it asks to 'Specify domain controller capabilities' with three checkboxes: 'Domain Name System (DNS) server' (checked), 'Global Catalog (GC)' (checked), and 'Read only domain controller (RODC)' (unchecked). Then, it asks to 'Type the Directory Services Restore Mode (DSRM) password' with two text boxes: 'Password:' and 'Confirm password:', both containing masked characters. At the bottom are buttons for '< Previous', 'Next >', 'Install', and 'Cancel'.

4. On DNS Options, Click Next
5. On NetBIOS, Type: POLMAN
6. On PATH, Click Next
7. On Review, Click Next
8. On Prerequisite Check, Click Install



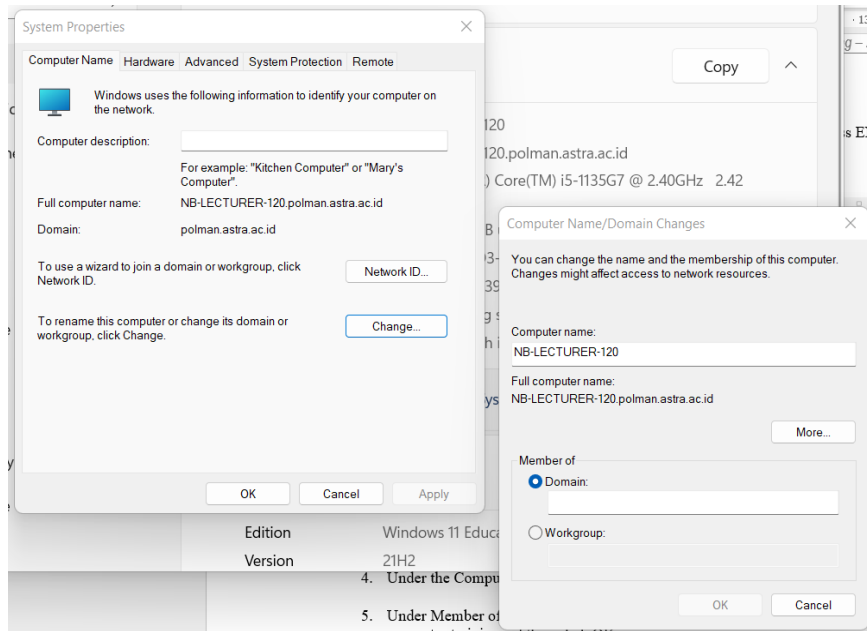
Lab 3 : Join A Computer to A Domain

1. On the Desktop, click the Start button, type Control Panel, and then press ENTER.
2. Navigate to System and Security, and then click System.

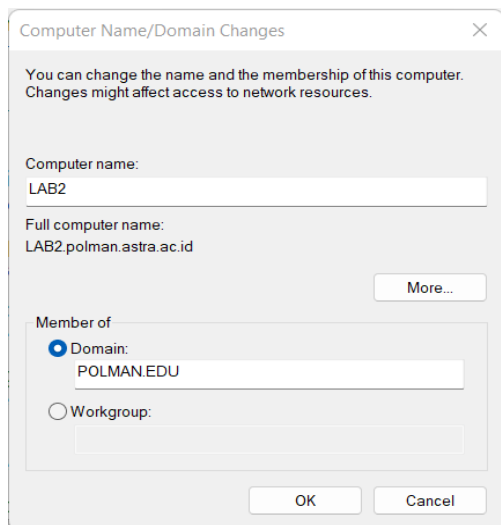


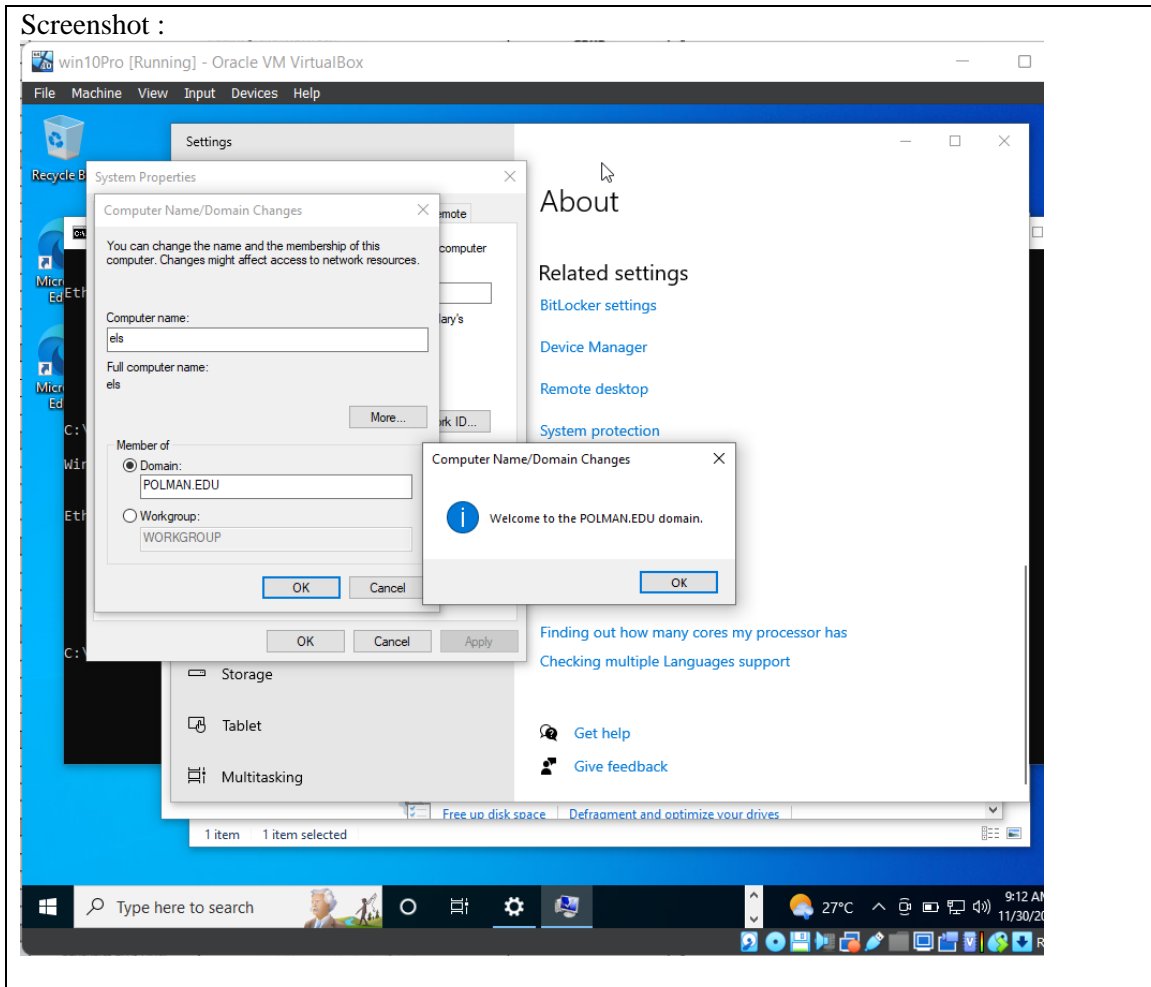
3. Under Computer name, domain, and workgroup settings, click Change settings.

4. Under the Computer Name tab, click Change.



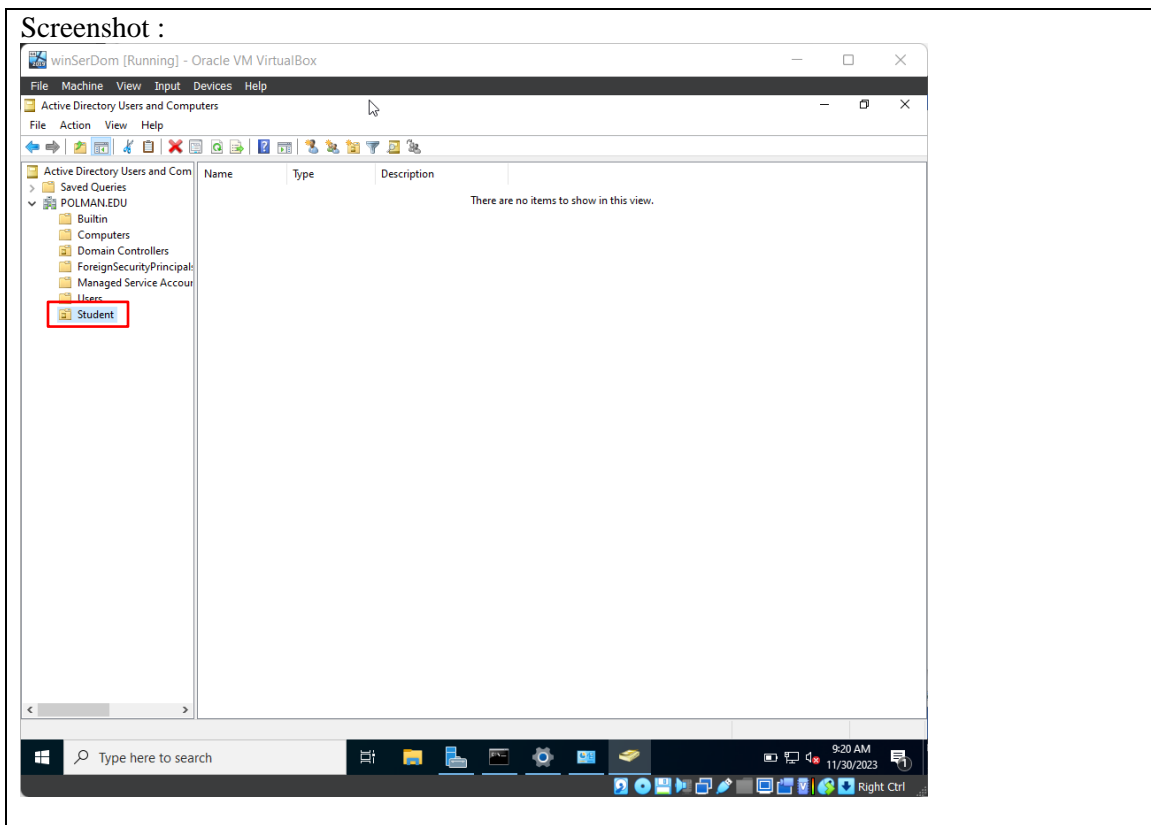
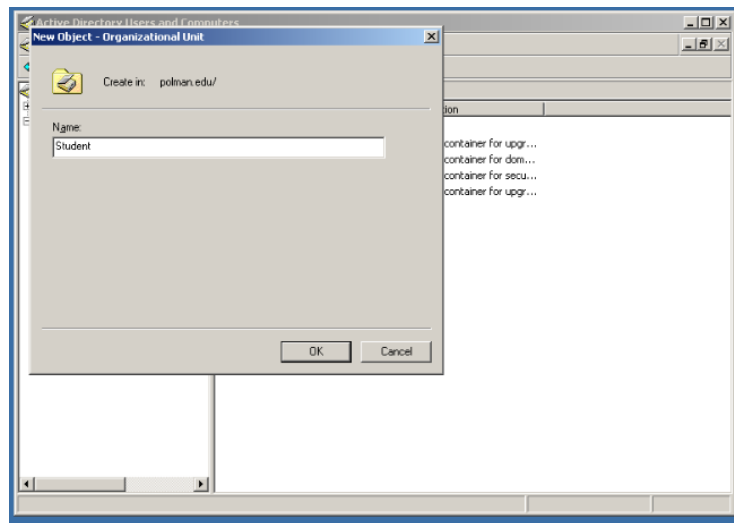
5. Under Member of, click Domain, type “POLMAN.EDU”, and then click OK.



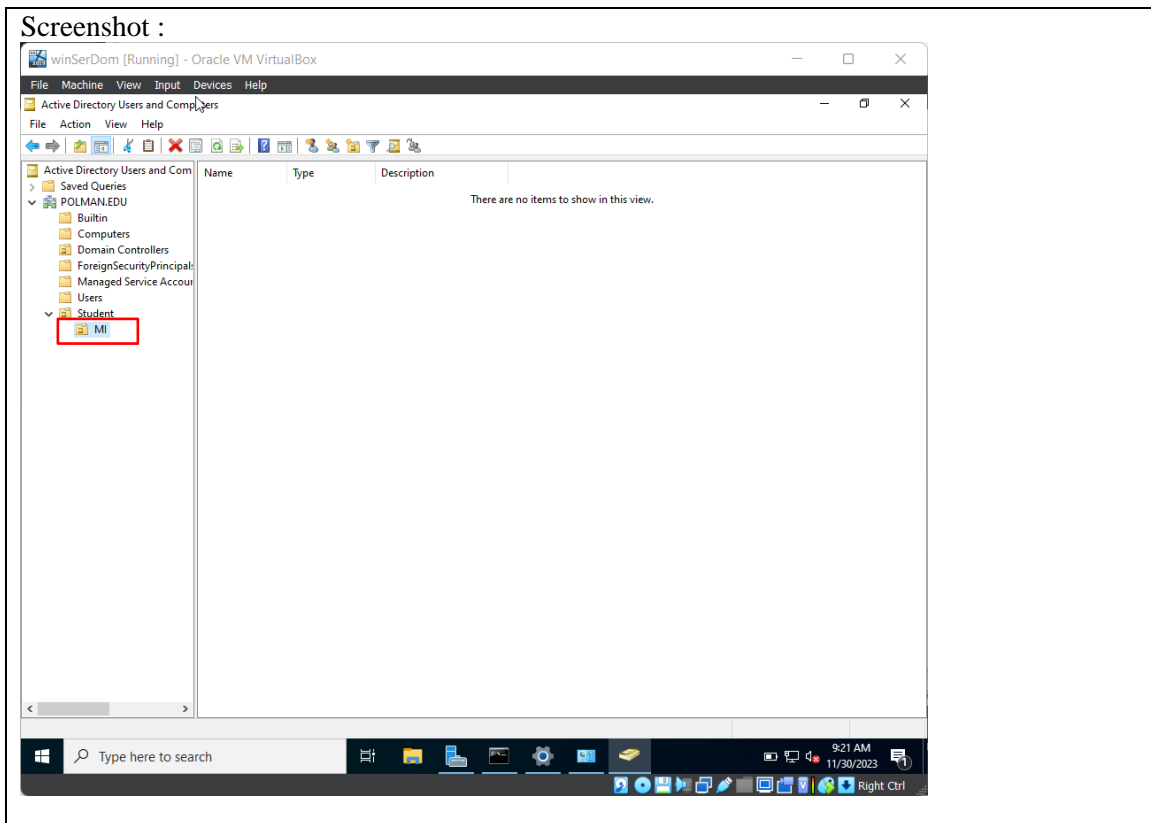
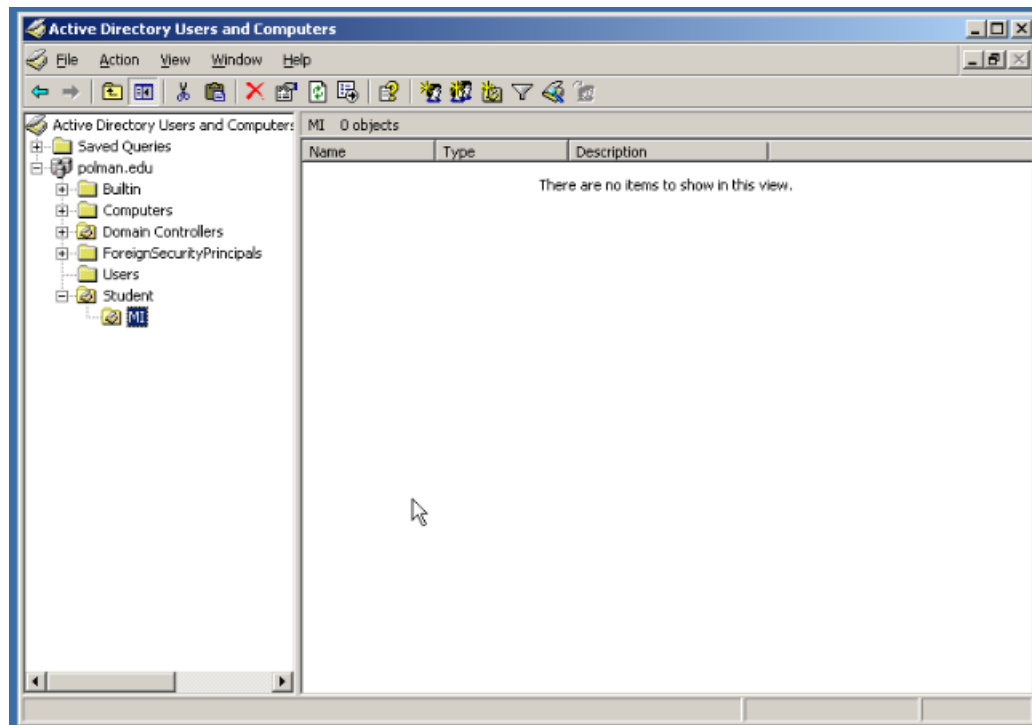


Lab 4 : Manage Users – Add Users

1. Navigate to Active Directory Users and Computers
2. Under domain POLMAN.EDU, Create Organizational Unit OU “STUDENT”



3. Under STUDENT, Create OU “MP”

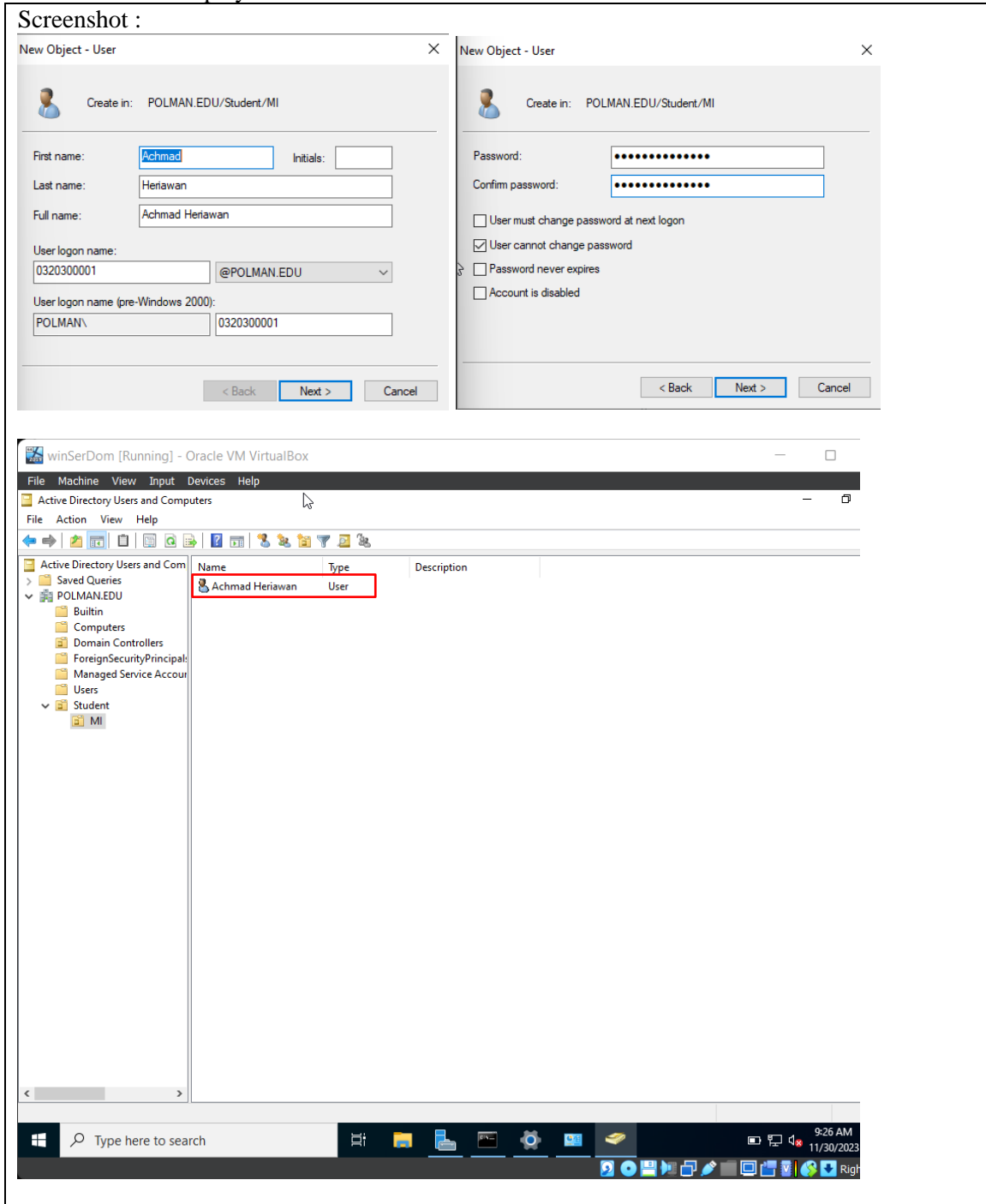


4. Under MI, Create New User :
Logon name: 0320300001

Password : astratech@2030

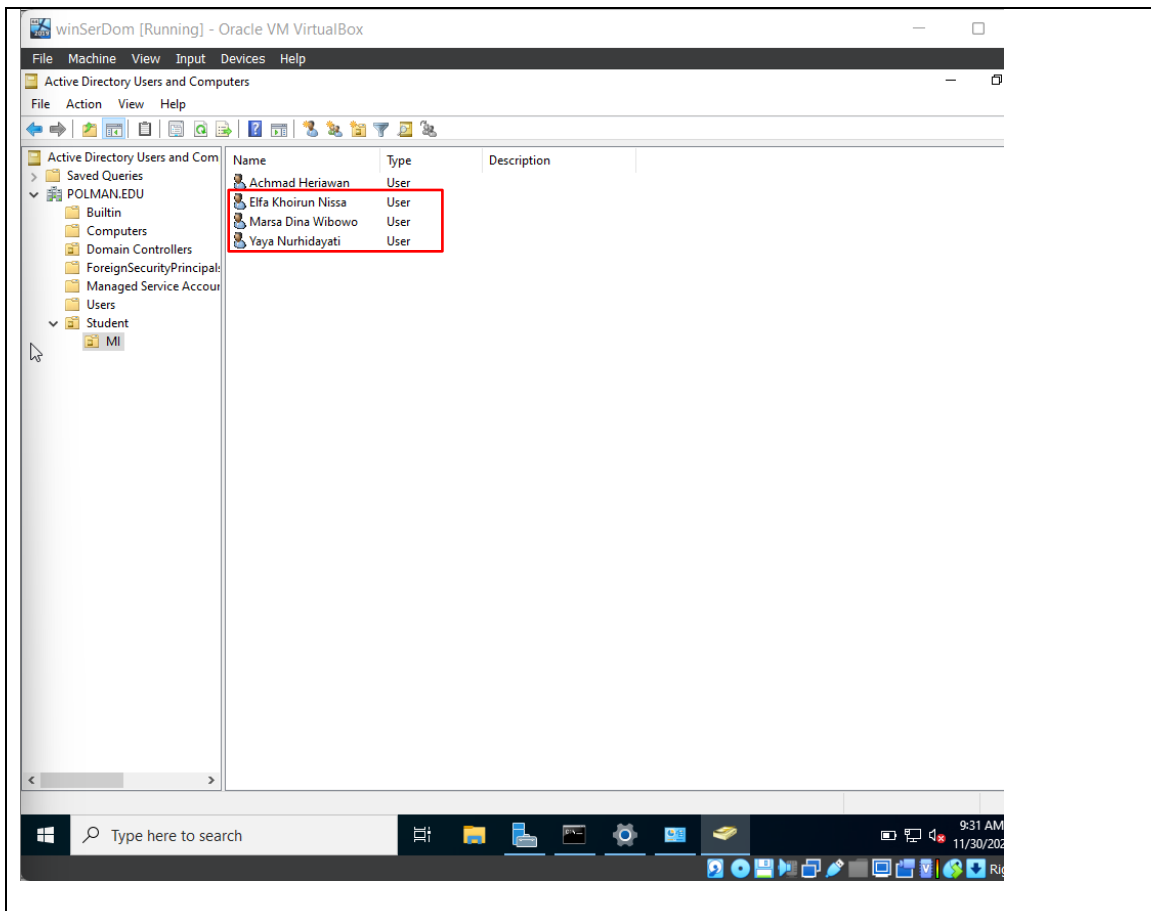
Display Name : Achmad Heriawan

Screenshot :



5. Add, 3 other user. You, and your group friends.

Screenshot :



Untuk Lab 5 – 7, Gunakan pengguna yang sudah dibuat pada lab sebelumnya.

Lab 5 : Berbagi Folder

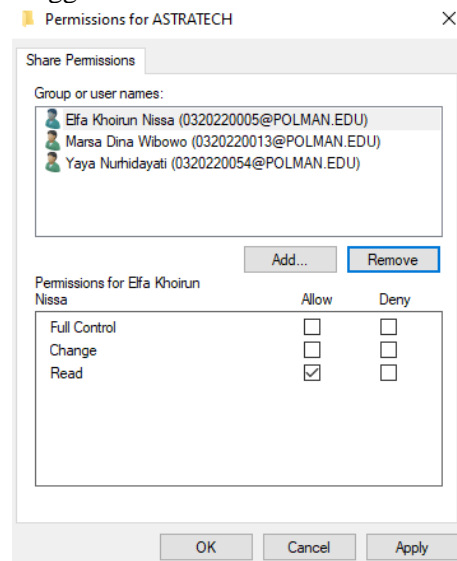
1. Buatlah directory dengan struktur sebagai berikut :
 - ASTRATECH
 - STUDENT
 - P4
 - TPM
 - MI
 - Tingkat1
 - Tingkat2
 - KelasA
 - KelasB
2. Buka File Explorer, klik kanan pada folder ASTRATECH
Pilih Properties -> Sharing -> Advanced Sharing.
Centang Share this folder dan atur nama ASTRATECH untuk shared folder.
3. Klik Permissions untuk mengatur izin akses.

4. Tambahkan pengguna atau grup, lalu tentukan jenis akses (Read, Write, Full Control). Sesuai dengan pengguna yang dibuat sebelumnya.

Anggota1 → Read

Anggota 2 → Read Write

Anggota 3 → Full control

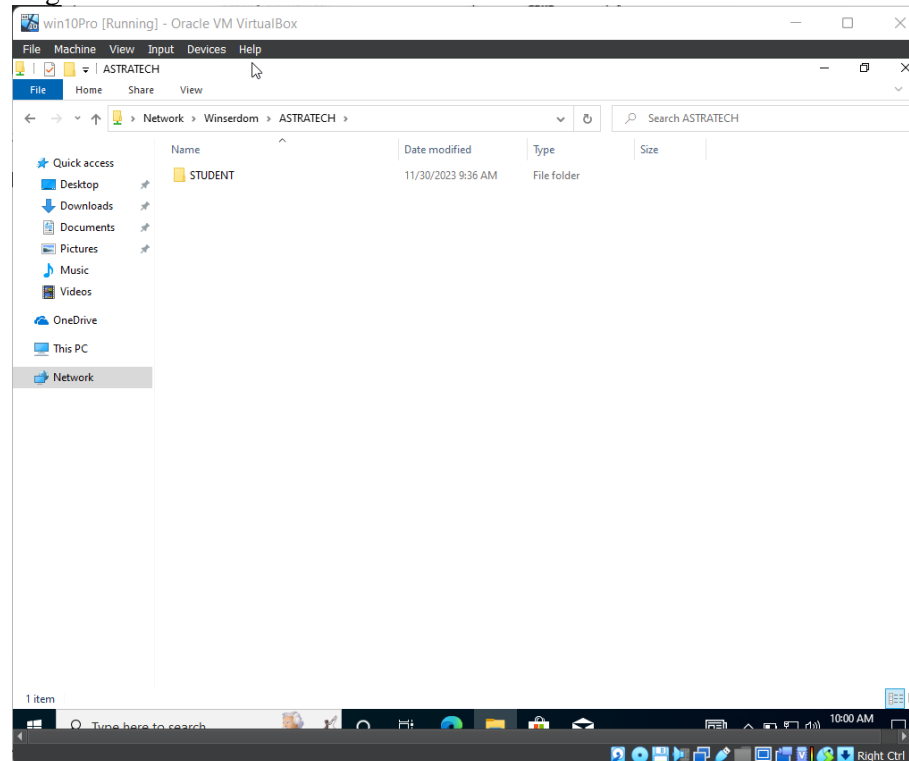


5. Simpan pengaturan dan coba akses folder dari komputer lain di jaringan.

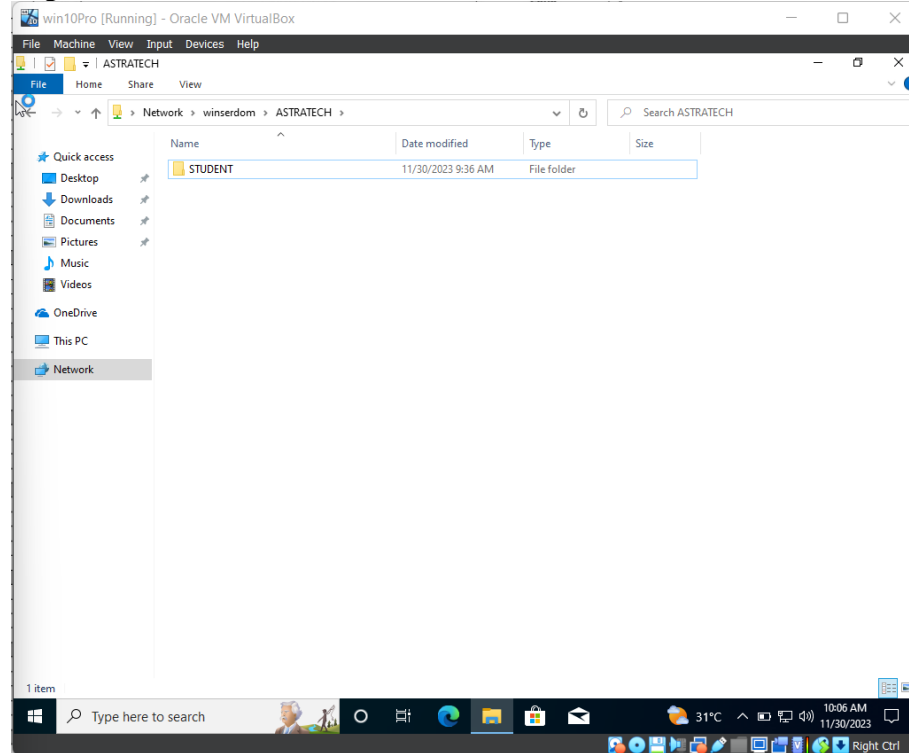
Contoh: [\\nama_server\nama_shared_folder](#).

6. Simulasikan tiap anggota dalam mengakses shared folder.

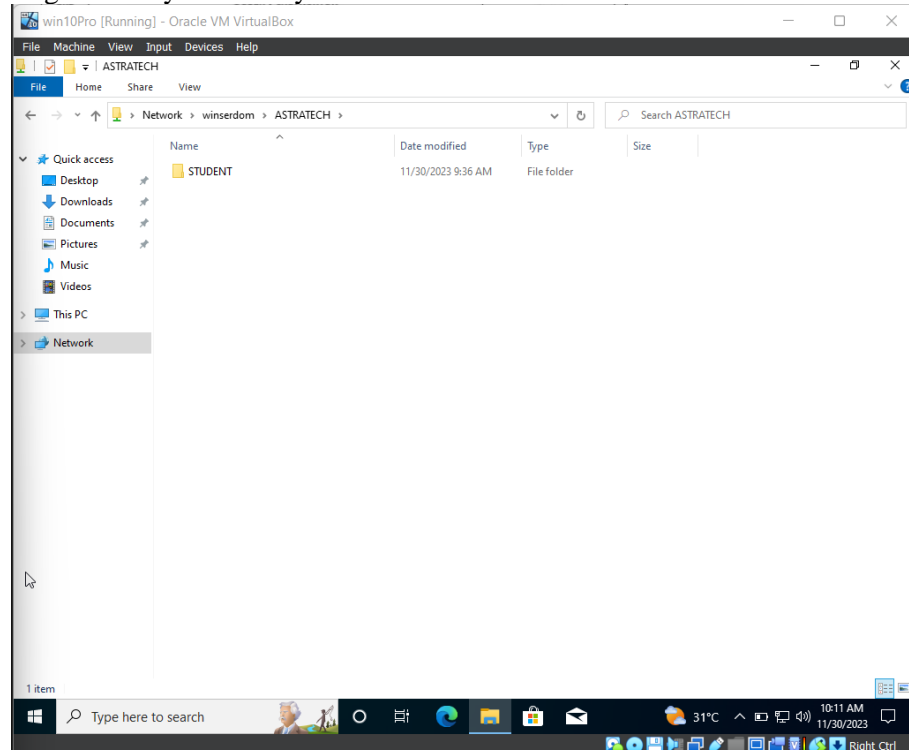
Login as: Elfa Khoirun Nissa



Login as: Marsa Dina Wibowo

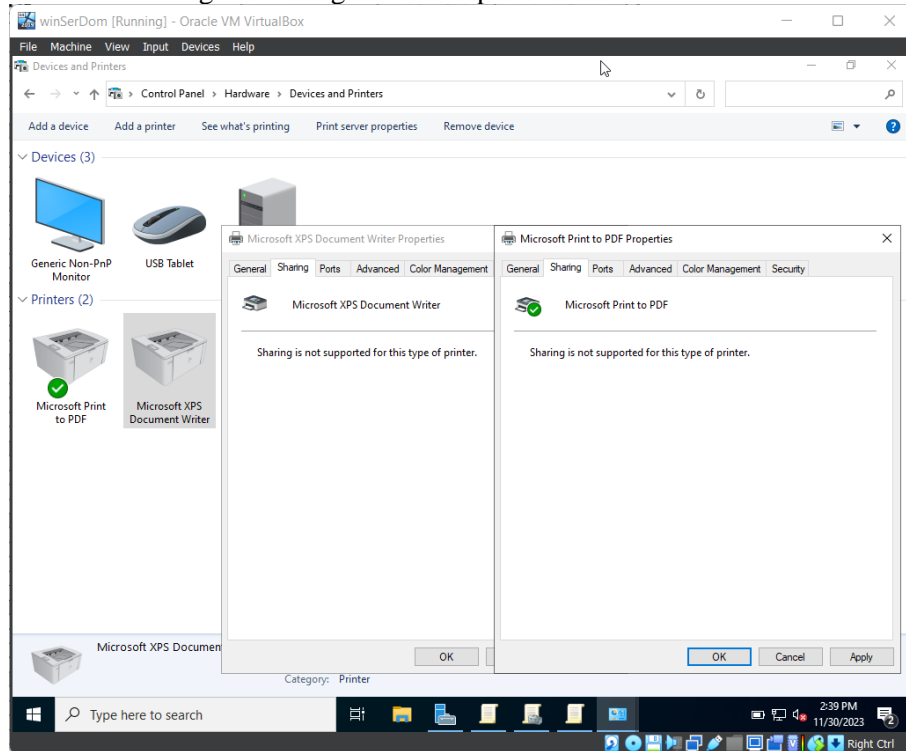


Login as: Yaya Nurhidayati



Lab 6 : Berbagi Printer

1. Buka Control Panel -> Devices and Printers.
Klik kanan pada printer yang ingin dibagikan, pilih Printer properties.
2. Buka tab Sharing -> centang Share this printer.

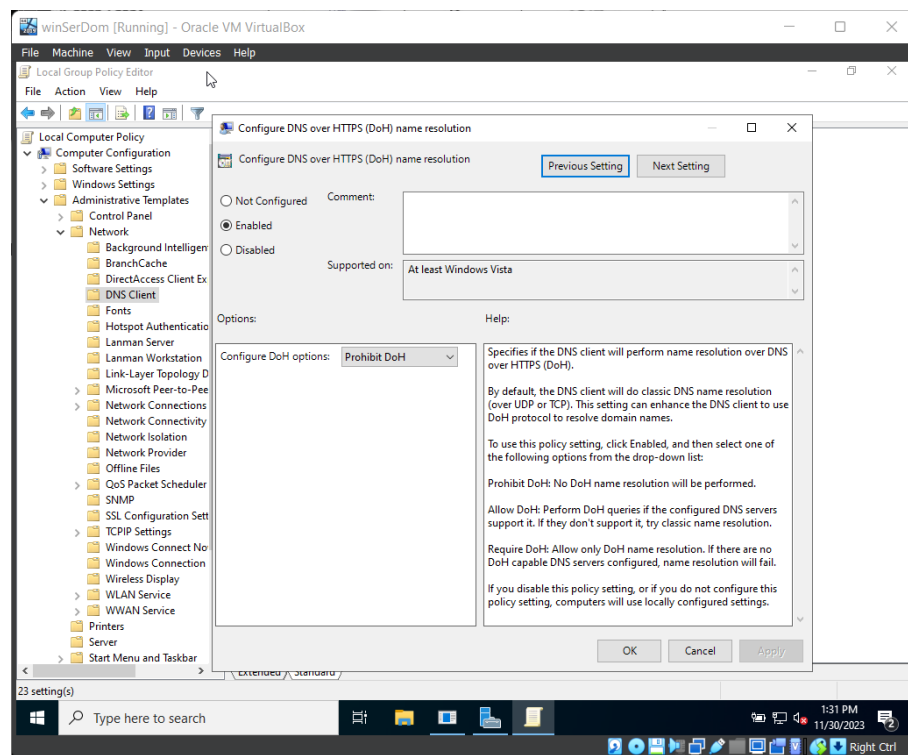
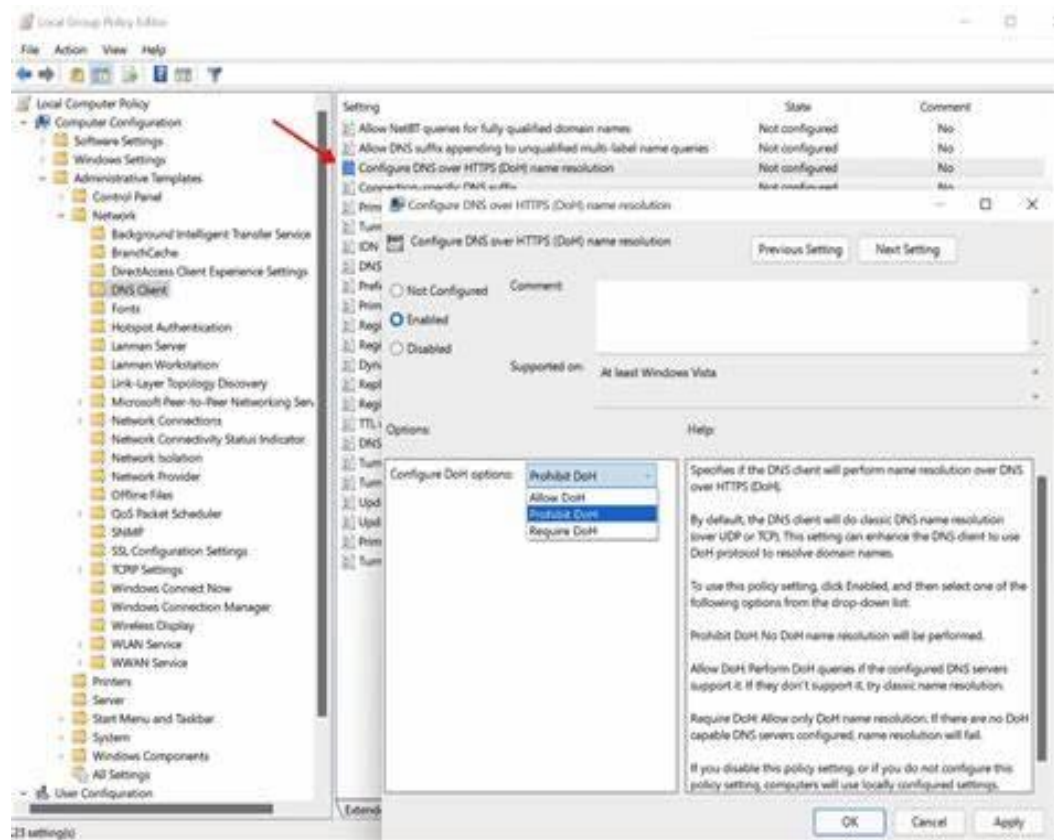


Beri nama untuk printer tersebut.

3. Untuk mengatur izin akses, klik Security.
4. Tambahkan pengguna atau grup, dan pilih hak akses yang sesuai.

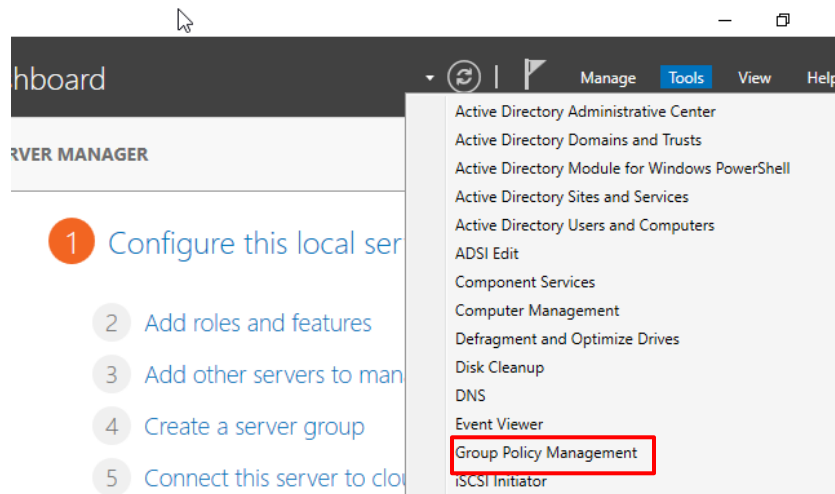
Lab 7. Pengaturan Keamanan Tambahan (Group Policy)

1. Gunakan Group Policy untuk mengatur kebijakan keamanan terkait resource sharing.

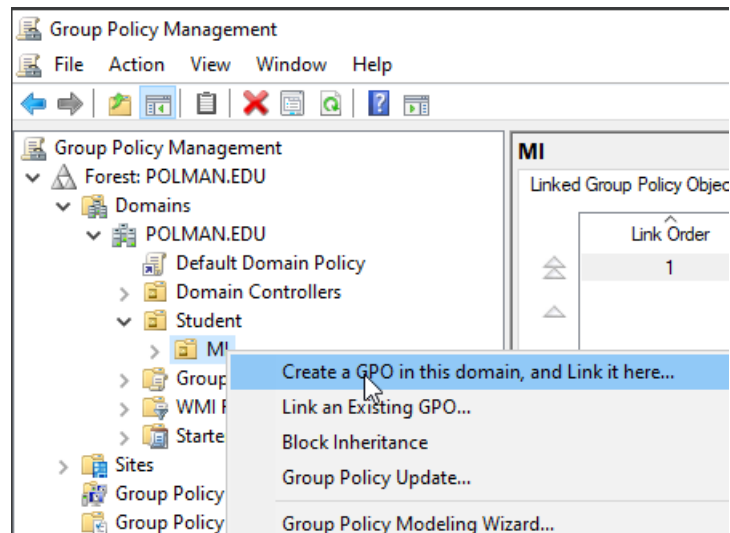


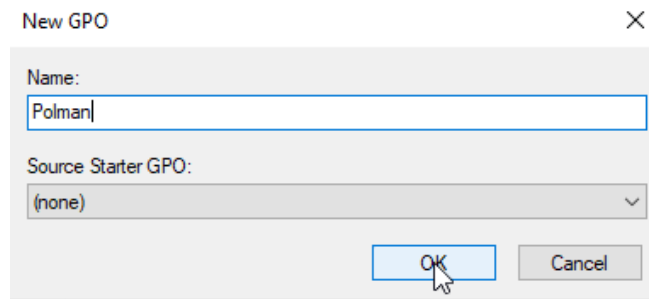
2. Buatlah Group Policy untuk OU Polman agar saat user-user yang ada didalam OU tersebut login melalui PC yang telah terhubung ke Active Directory :
 - tidak memiliki akses untuk membuka command prompt
 - tidak dapat membuka registry Polman

1. buka server manager, pada menu tools pilih **Group Policy Management**

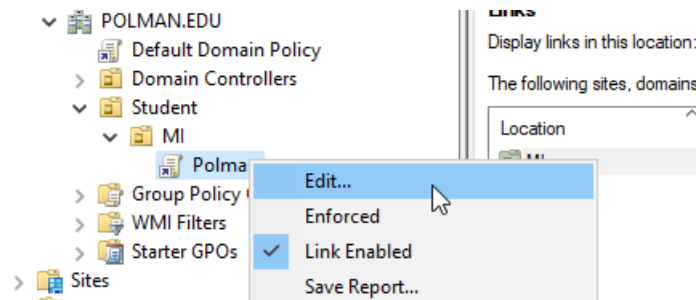


2. Pilih domain yang tadi dibuat, lalu klik kanan pilih Create a GPO

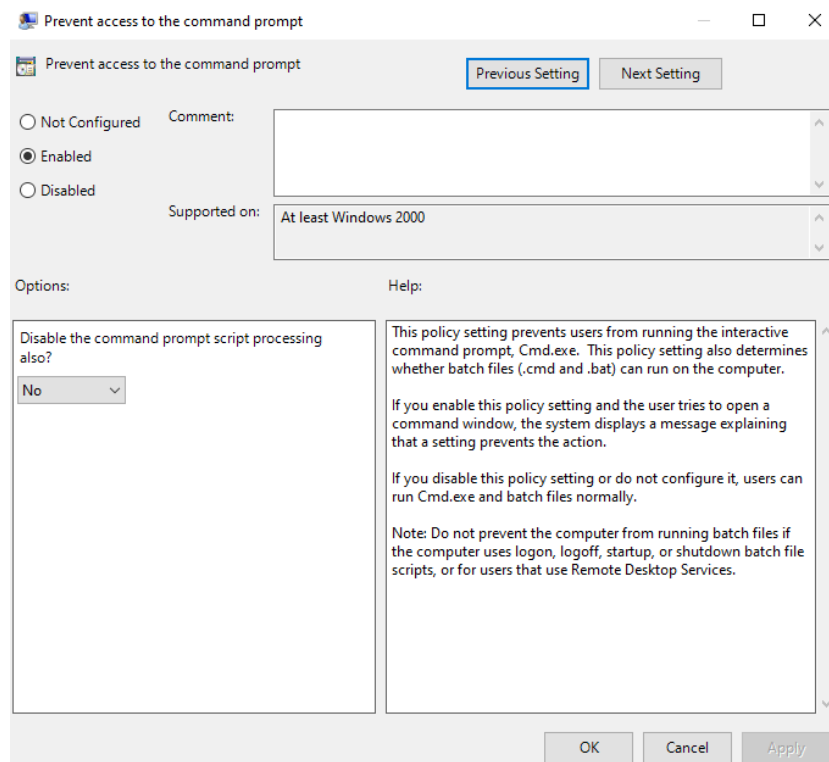




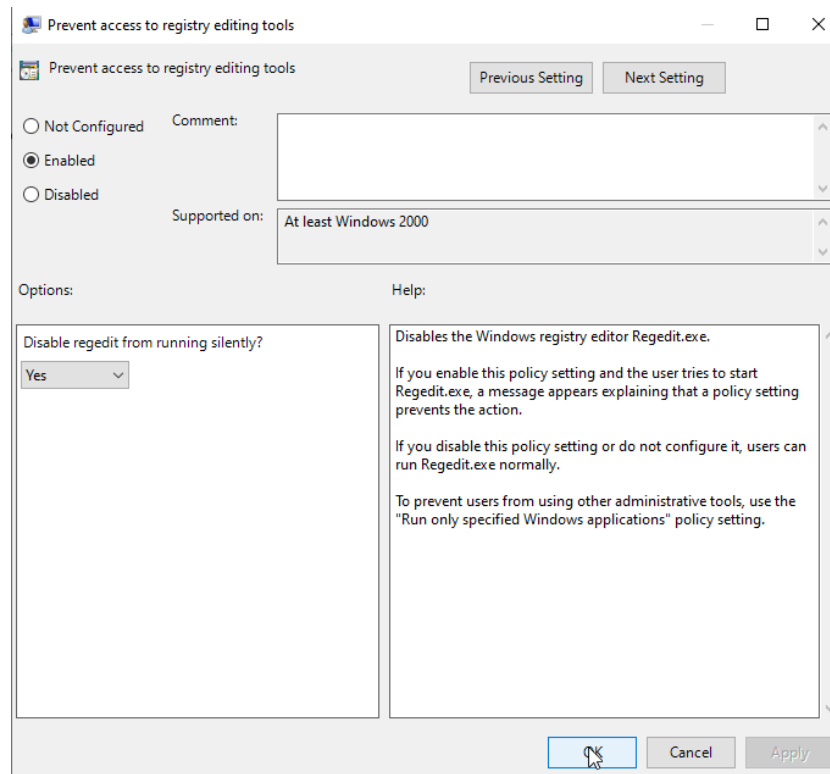
3. Klik kanan pada GPO Polman, lalu pilih Edit



4. Pada **User Configuration**, lalu pilih **Policies -> Administrative Templates -> System -> Prevent access to the command prompt**



5. Lalu pada **Prevent access to registry editing tools**



6. Lalu kita akan coba menggunakan user lain, disini saya menggunakan user Elfa Khoirun Nissa

