

## Windows Server 2016 – Project II

Download, create, and install Windows 10 VM.

A) Open this link and download the Windows 10 installation ISO file

<https://ln2.sync.com/dl/f6ef7b730/kxad32z9-afb8xftm-i4zac6eq-hgt3r449/view/default/9300482330007>

B) In VirtualBox, create a new VM called: "Win10"

then apply the following specs:

- Attach the Windows ISO you downloaded.
- 4 GB of memory.
- 40 GB of Disk Space.
- 2 CPUs.

C) Run the VM and install Windows 10.

Install Guest Editions on your Windows 10 VM.

Download, extract, create VM, and import Kali Linux VM hard drive.

A) Open this link and download the latest 64-bit Kali Linux VM Image for Virtual Box.

<https://www.kali.org/get-kali/#kali-virtual-machines>

B) In VirtualBox, create a new VM called: "Kali".

Then apply the following specs:

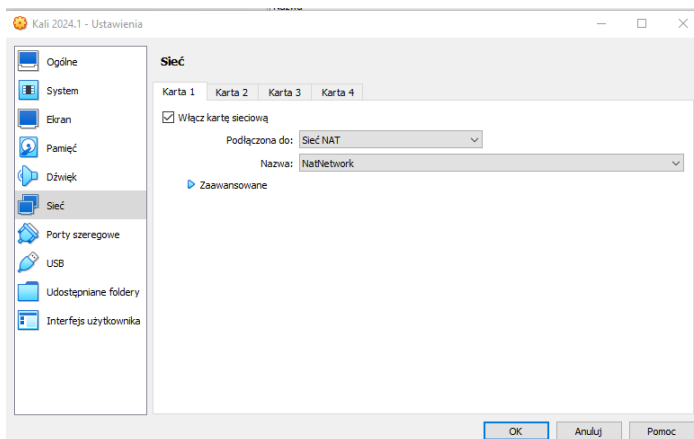
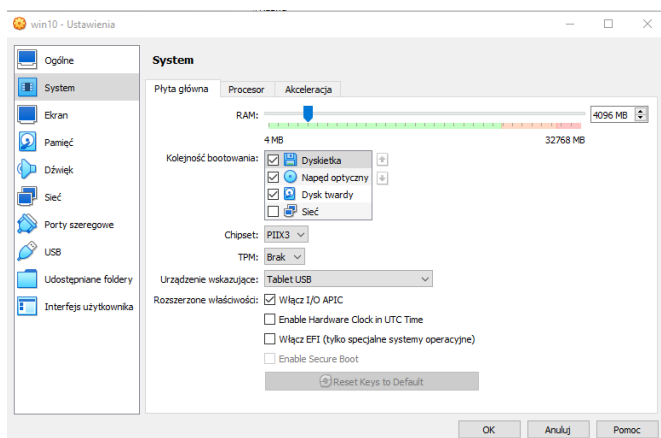
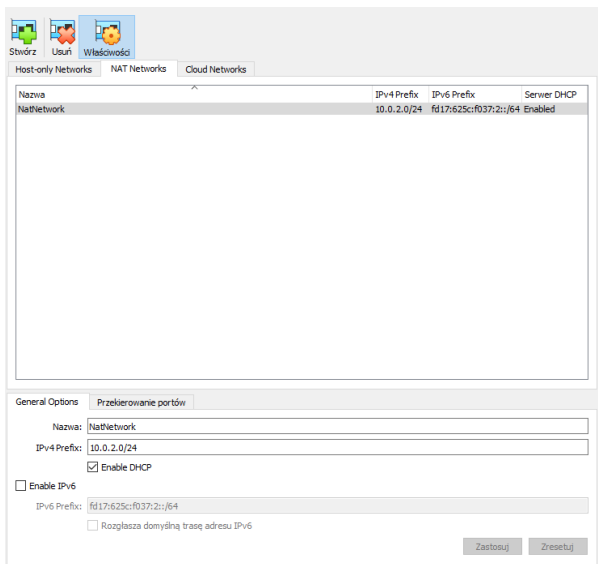
- 2 CPUs.
- 2 GB of memory.
- Extract the downloaded file and import the ".vdi" file as a hard drive

C) Run the VM and install Kali Linux.

In VirtualBox, create a NAT-Network named: "Virtualization", use an IP address range of 10.0.2.0/24, and ensure the DHCP Server is set to Enabled.

Attach the newly created "Virtualization" NAT-Network to your Kali & Windows network adapters.

In both operating systems, utilize the ping command to assess connectivity between the virtual machines and Google's DNS server (8.8.8.8) to confirm a functioning Wide Area Network (WAN) connection.



Install a Windows Server 2016 operating system. A) Download Windows Server 2016 image: [https://software-download.microsoft.com/download/pr/Windows\\_Server\\_2016\\_Datacenter\\_EVAL\\_en-us\\_14393\\_refresh.ISO](https://software-download.microsoft.com/download/pr/Windows_Server_2016_Datacenter_EVAL_en-us_14393_refresh.ISO)

B) In VirtualBox, create a new VM called: "WinServer"

Then apply the following specs:

Attach the Windows ISO you downloaded.

- 4 GB of memory.
- 2 CPUs.
- 50 GB of Disk Space.

Set the name of the Windows server as "Server20".

```
(kali@kali)-[~]
$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.4 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::a00:27ff:fe42:2da1 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:42:2d:a1 txqueuelen 1000 (Ethernet)
    RX packets 32 bytes 5776 (5.6 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 42 bytes 5502 (5.3 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
(kali@kali)-[~]
$ ping -c 4 10.0.2.15
PING 10.0.2.15 (10.0.2.15) 56(84) bytes of data:
64 bytes from 10.0.2.15: icmp_seq=1 ttl=128 time=0.292 ms
64 bytes from 10.0.2.15: icmp_seq=2 ttl=128 time=0.925 ms
64 bytes from 10.0.2.15: icmp_seq=3 ttl=128 time=0.726 ms
64 bytes from 10.0.2.15: icmp_seq=4 ttl=128 time=0.630 ms

— 10.0.2.15 ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3069ms
rtt min/avg/max/mdev = 0.292/0.643/0.925/0.229 ms
```

```
(kali@kali)-[~]
$ ping -c 4 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data:
64 bytes from 8.8.8.8: icmp_seq=1 ttl=116 time=62.6 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=116 time=47.0 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=116 time=58.2 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=116 time=46.8 ms

— 8.8.8.8 ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3028ms
rtt min/avg/max/mdev = 46.784/53.636/62.570/6.904 ms
```

#### Windows IP Configuration

##### Ethernet adapter Ethernet:

```
Connection-specific DNS Suffix . : lan
Link-local IPv6 Address . . . . . : fe80::e4d9:bf1f:385a:42e4%3
IPv4 Address. . . . . : 10.0.2.15
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 10.0.2.1
```

C:\Users\administrator>ping 10.0.2.4

```
Pinging 10.0.2.4 with 32 bytes of data:
Reply from 10.0.2.4: bytes=32 time<1ms TTL=64
Reply from 10.0.2.4: bytes=32 time<1ms TTL=64
Reply from 10.0.2.4: bytes=32 time<1ms TTL=64
Reply from 10.0.2.4: bytes=32 time<1ms TTL=64
```

```
Ping statistics for 10.0.2.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

C:\Users\administrator>ping 8.8.8.8

```
Pinging 8.8.8.8 with 32 bytes of data:
Reply from 8.8.8.8: bytes=32 time=57ms TTL=116
Reply from 8.8.8.8: bytes=32 time=97ms TTL=116
Reply from 8.8.8.8: bytes=32 time=74ms TTL=116
Reply from 8.8.8.8: bytes=32 time=64ms TTL=116
```

```
Ping statistics for 8.8.8.8:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 57ms, Maximum = 97ms, Average = 73ms
```

Install Active Directory services on the machine.

Install a Windows Server 2016 OS and Active Directory and perform the following operations: promote the machine to a domain controller, assign a client to the domain, create OUs, users and groups, configure different GPOs, and set a DNS and DHCP servers.

### 1. Install a Windows Server 2016 operating system or import an OVA.

Installing Windows Server 2016

#### 1. Prepare Installation Media:

- Download the Windows Server 2016 ISO file from the official Microsoft website or obtain a physical installation disc.
- Create a bootable USB drive using tools like Rufus if using an ISO file.

#### 2. Boot from Installation Media:

- Insert the installation media (USB or DVD) into the server or virtual machine.
- Restart the system and boot from the installation media. This may require changing the boot order in the BIOS/UEFI settings.

#### 3. Begin Installation:

- Once the system boots from the installation media, you'll see the Windows Server 2016 installation screen.
- Select your language, time and currency format, and keyboard input method, then click **Next**.
- Click **Install now**.

#### 4. Enter Product Key:

- Enter your product key and click **Next**.
- If you don't have a product key, you can select **I don't have a product key** to install a trial version.

#### 5. Select Installation Type:

- Choose either **Windows Server 2016 Standard** or **Datacenter** edition.
- Select **Desktop Experience** if you want a GUI, or **Server Core** for a minimal, command-line interface installation.
- Click **Next**.

#### 6. Accept License Terms:

- Read and accept the license terms, then click **Next**.

#### 7. Select Installation Type:

- Choose **Custom: Install Windows only (advanced)** for a clean installation.

8. **Partition the Disk:**

- Select the disk where you want to install Windows Server 2016.
- Create a new partition if necessary and format it.
- Click **Next** to begin the installation.

9. **Installation Process:**

- The installation process will start and may take some time.
- The system will restart several times during the installation.

10. **Initial Configuration:**

- After the final restart, configure the initial settings like setting a password for the Administrator account.

11. **Finalize Setup:**

- Log in with the Administrator account and complete any remaining configuration steps.

### **Importing an OVA (Open Virtual Appliance)**

1. **Obtain the OVA File:**

- Download the Windows Server 2016 OVA file from a trusted source.

2. **Install Virtualization Software:**

- Install a virtualization platform like VMware Workstation, VMware ESXi, VirtualBox, or Hyper-V if not already installed.

3. **Open the Virtualization Software:**

- Launch the virtualization software on your host machine.

4. **Import the OVA:**

- In VMware Workstation:
  - Go to **File > Open**.
  - Browse to the location of the OVA file and select it.
  - Follow the prompts to import the OVA.
- 5. In VirtualBox:
  - Go to **File > Import Appliance**.
  - Browse to the location of the OVA file and select it.
  - Click **Next** and follow the prompts to import the OVA.
- 6. In Hyper-V (if OVA is converted to VHD):
  - Go to **Action > Import Virtual Machine**.
  - Follow the prompts to import the converted VHD.

## 7. Configure the Virtual Machine:

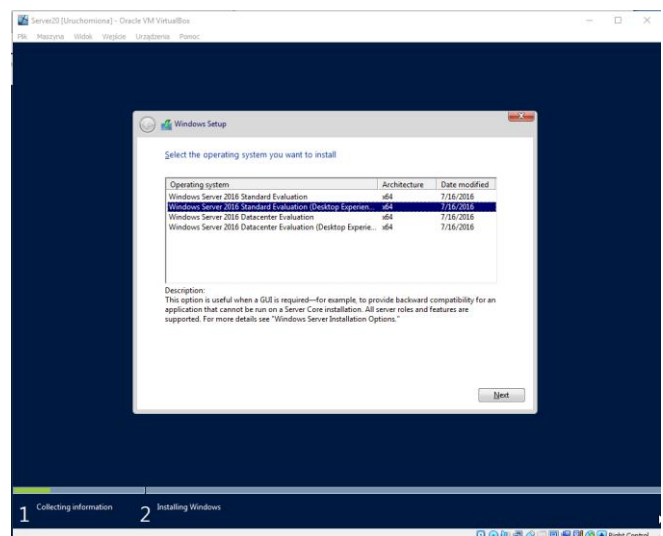
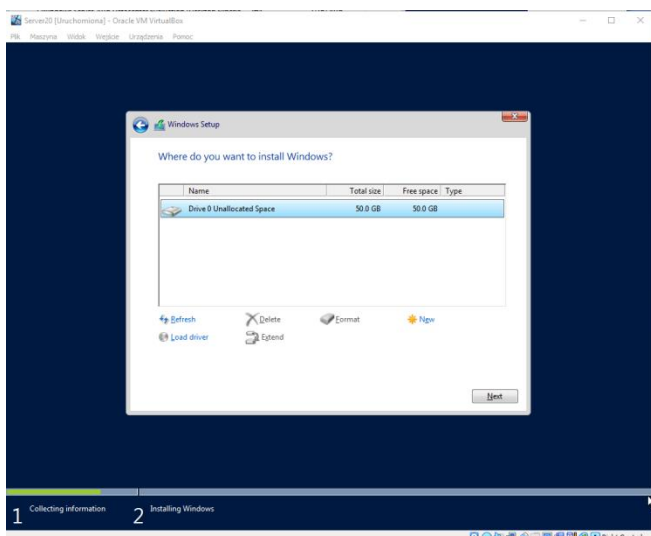
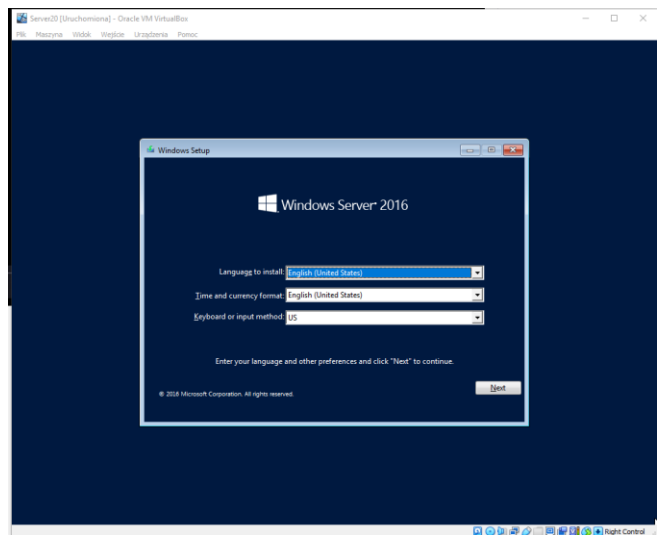
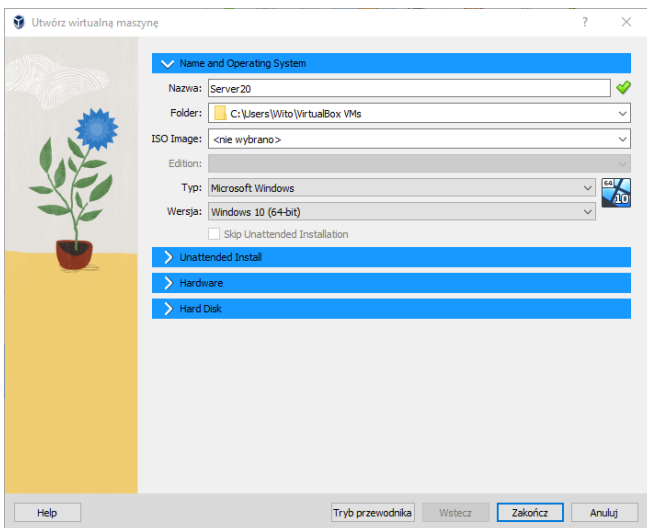
- Adjust the virtual machine settings as needed, such as allocating memory, CPUs, and configuring network settings.

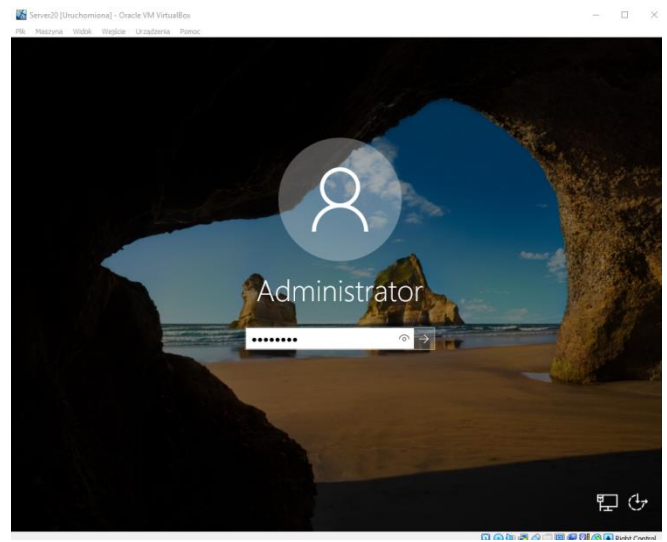
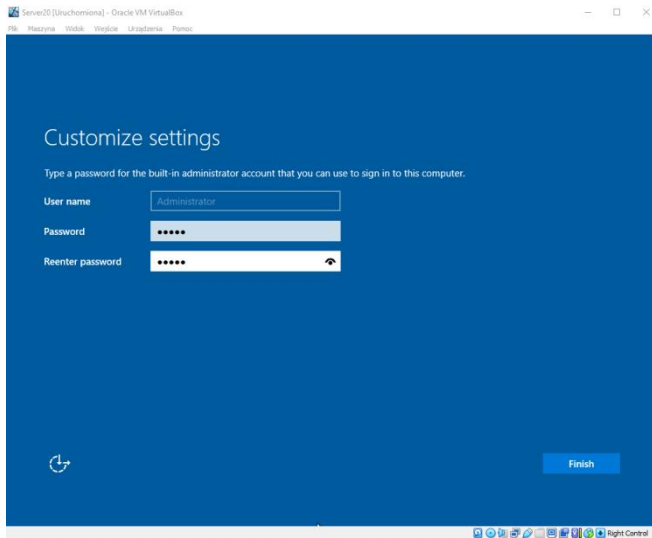
## 8. Start the Virtual Machine:

- Power on the virtual machine.
- Complete any initial setup prompts.

## 9. Post-Import Configuration:

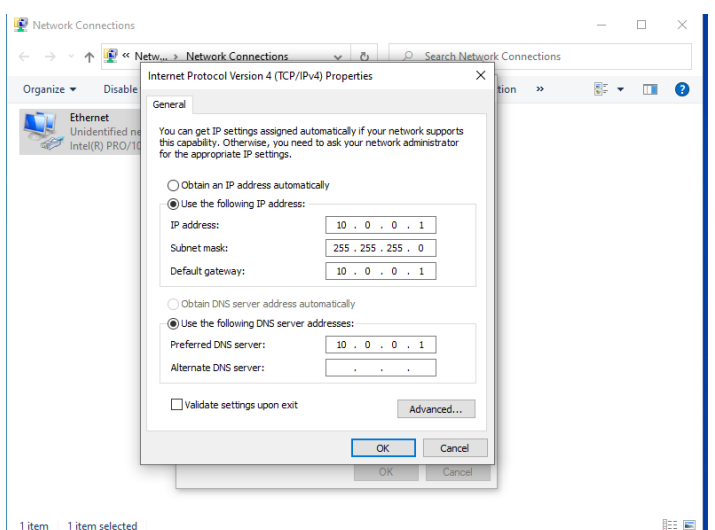
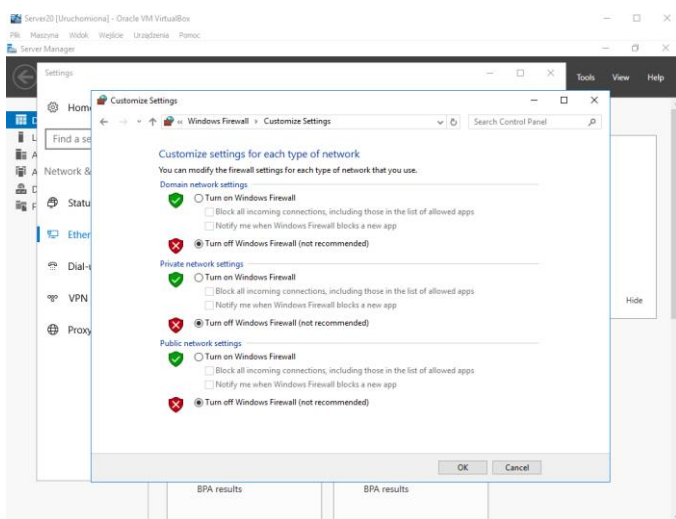
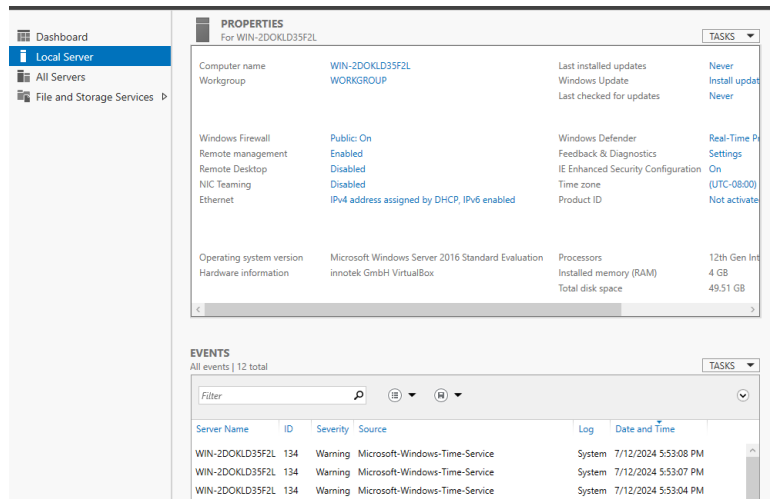
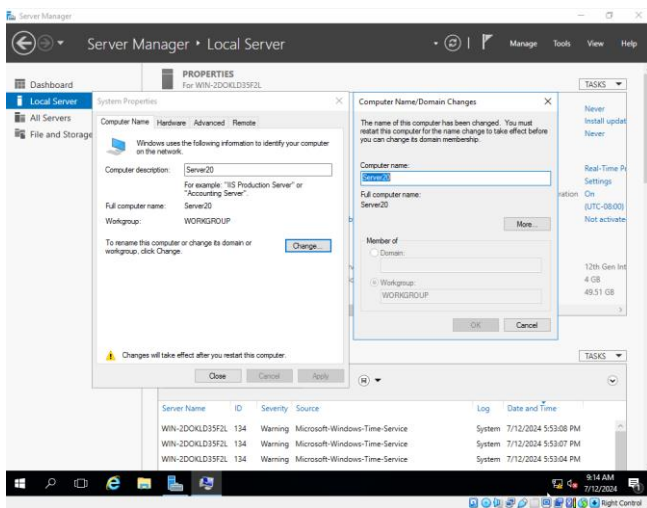
- Log in to the Windows Server 2016 virtual machine.
- Configure the network settings, install updates, and perform any additional setup tasks as needed.





## 2. Set the name of the Windows server as "Server20".

- Open the **Server Manager**.
- Go to **Local Server**.
- Click on the current computer name.
- Click **Change** in the **System Properties** window.
- Enter "Server20" in the **Computer Name** field.
- Click **OK** and restart the server when prompted.
- Set the Network IP and turn off Windows defender (otherwise it will Block the connection between Server and client).





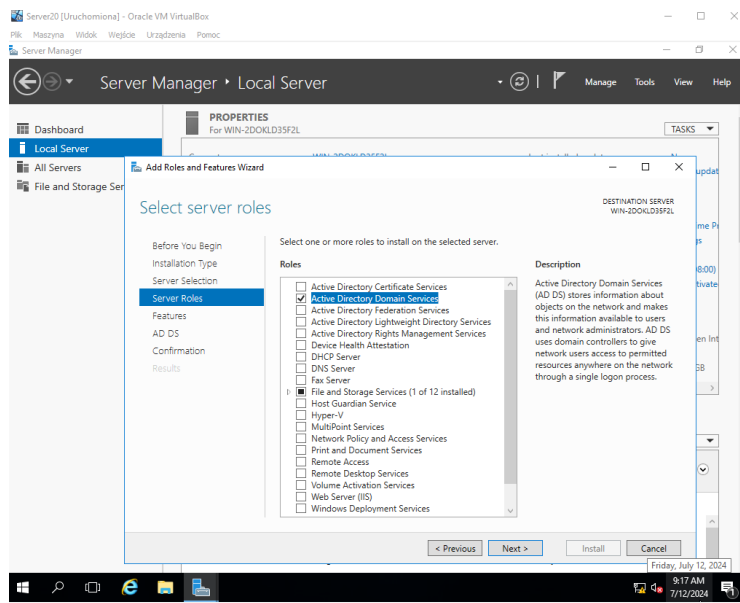
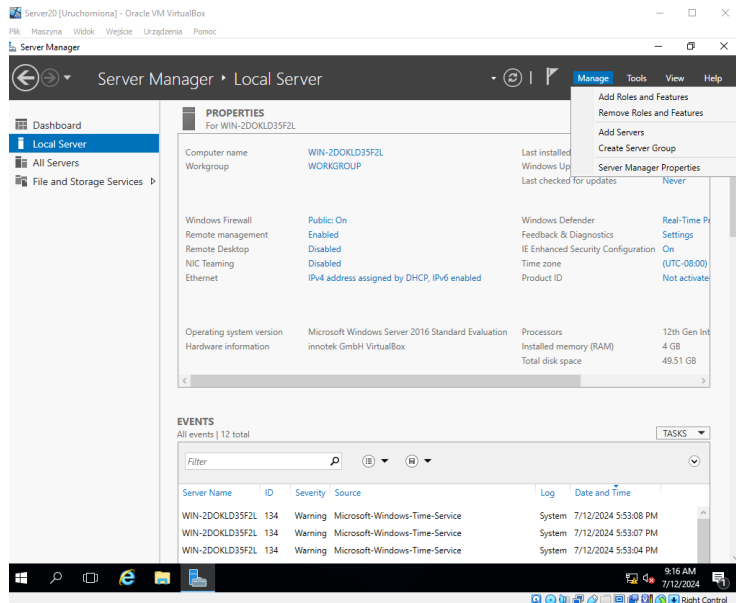
### 3. Install Active Directory services on the machine.

Open the **Server Manager**.

Click **Manage** and then **Add Roles and Features**.

Follow the wizard to install **Active Directory Domain Services (AD DS)**.

When the installation is complete, promote the server to a domain controller.



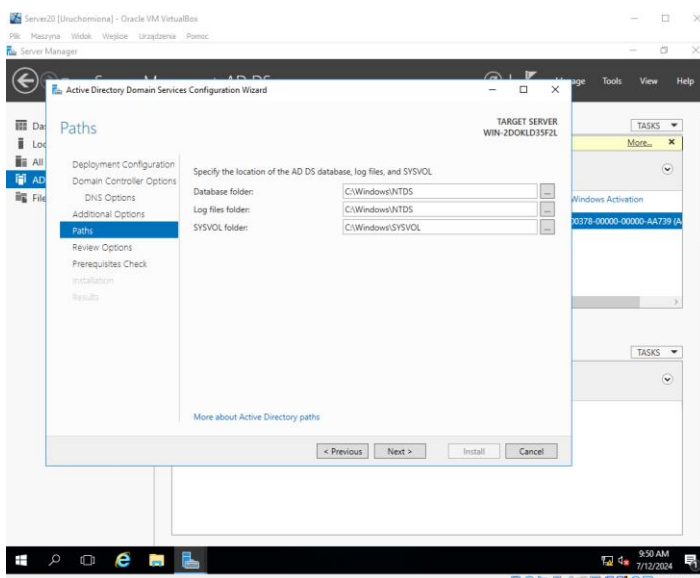
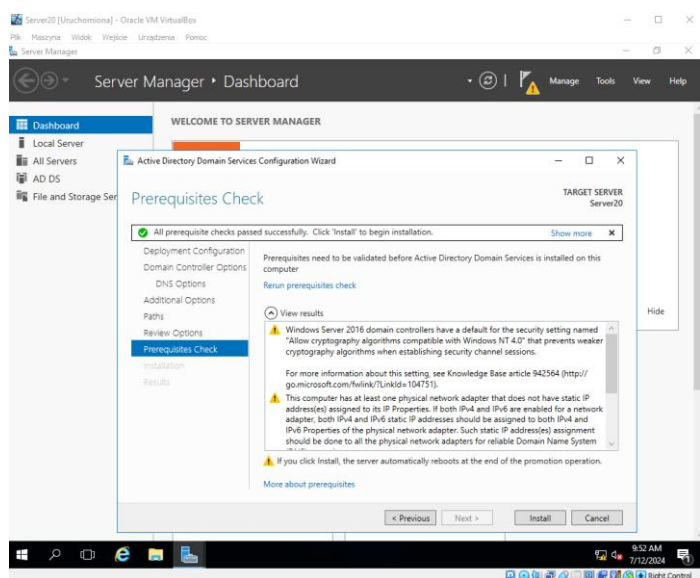
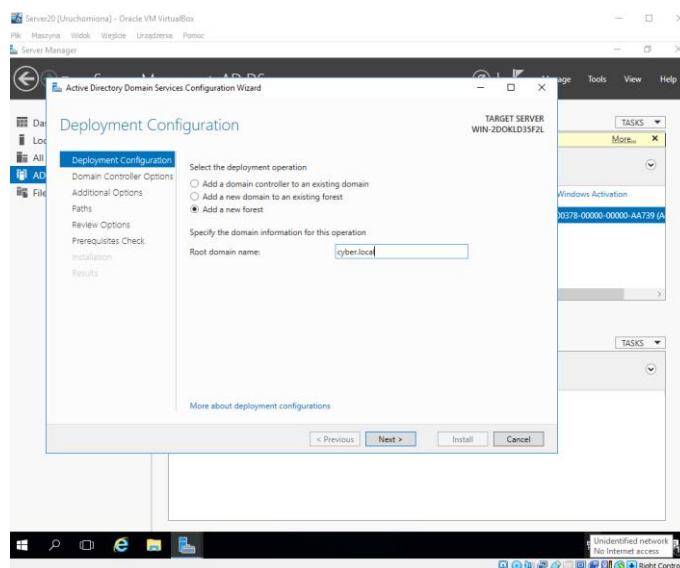
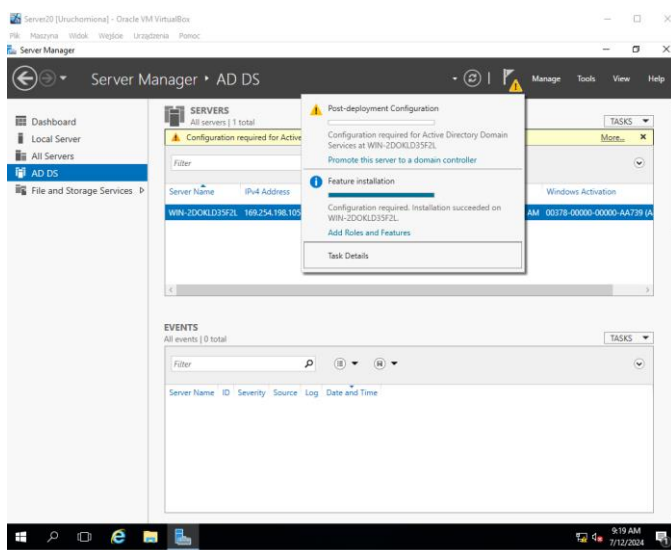
#### 4. Promote the server to a domain controller.

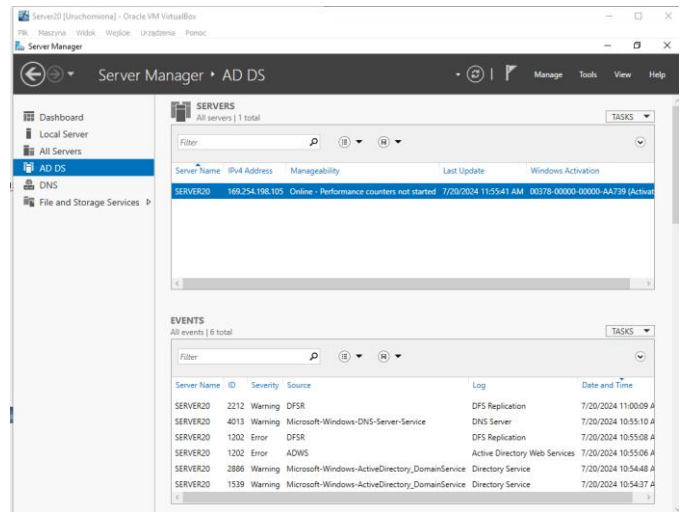
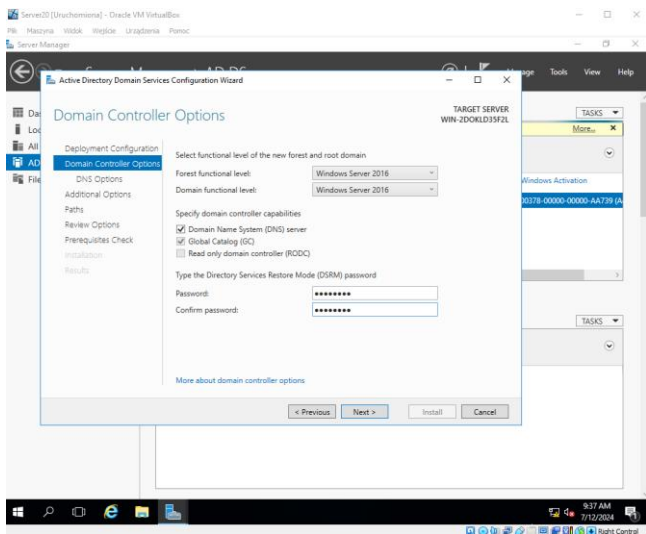
After installing AD DS, there will be a notification flag in the Server Manager. Click on it and select **Promote this server to a domain controller**.

Select **Add a new forest** and provide the **Root domain name**.

Follow the wizard to complete the promotion process, which includes specifying the **Domain Name System (DNS)** options, **NetBIOS** name, and **Directory Services Restore Mode (DSRM)** password.

Once the server restarts, it will be a domain controller.





**5. Rename the Windows 10 client machine as "PC1" and assign the domain to it.**

On the Windows 10 machine, right-click **This PC** and select **Properties**.

Click **Change settings** next to the computer name.

Click **Change** in the **System Properties** window.

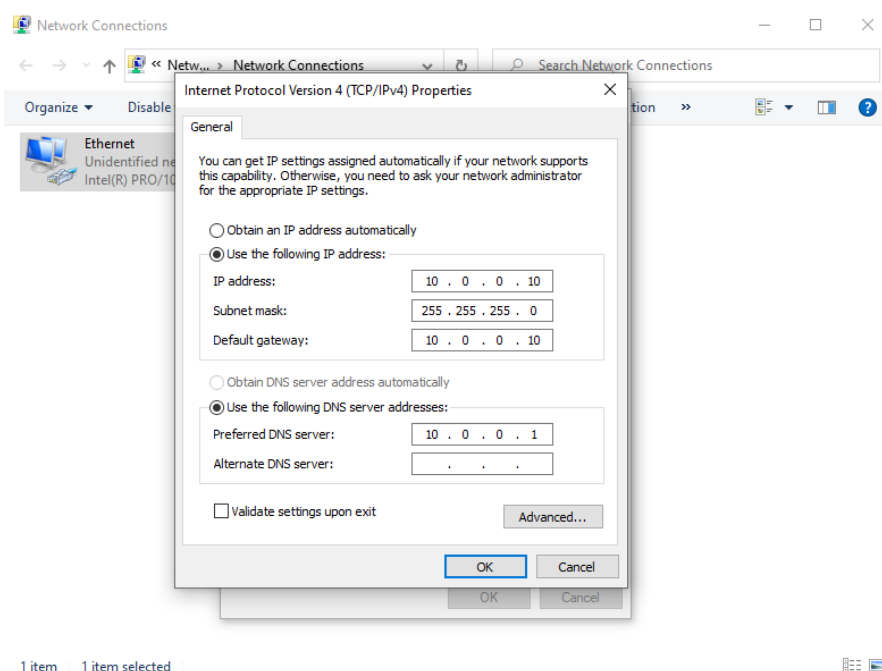
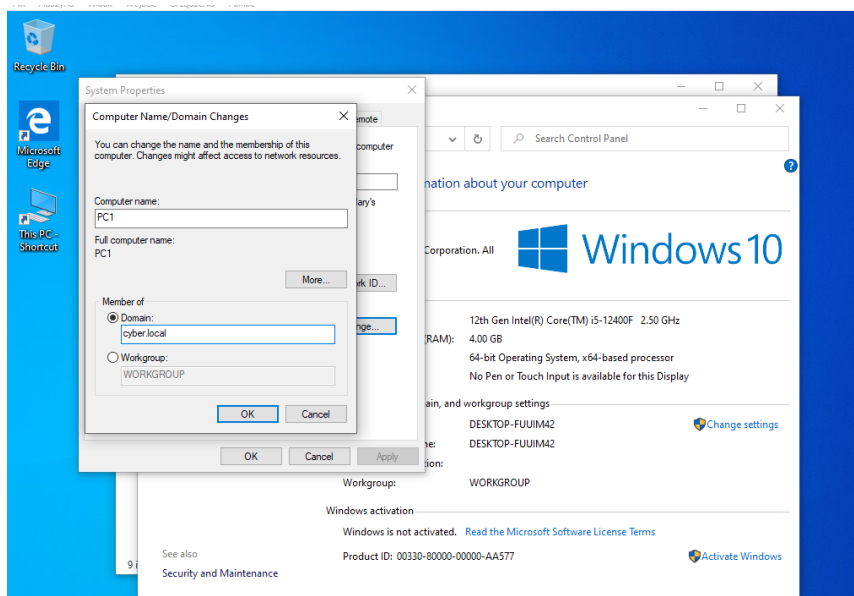
Enter "PC1" in the **Computer Name** field.

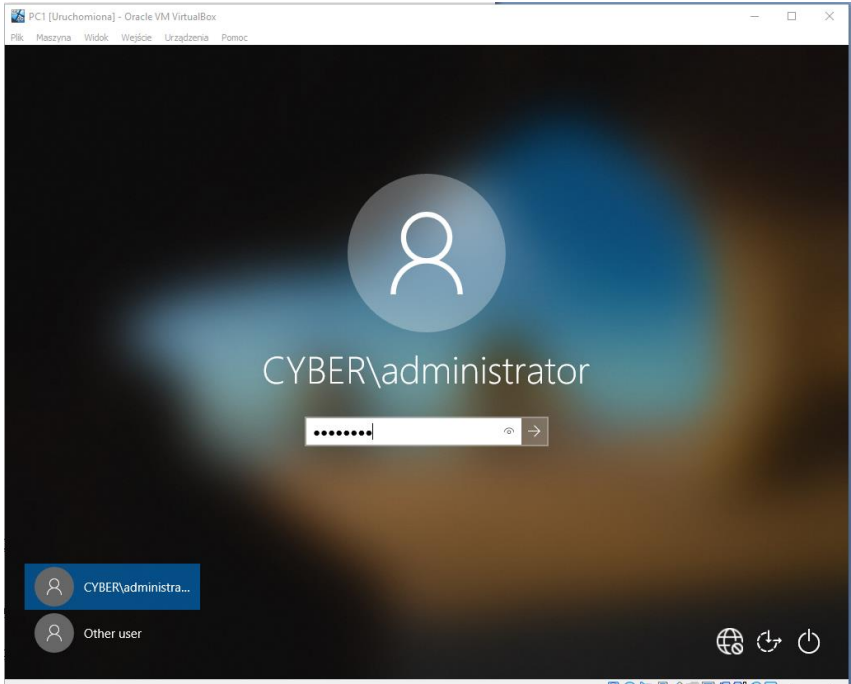
Select **Domain** under **Member of**, and enter the domain name created in the previous step.

Click **OK**, provide domain admin credentials, and restart the machine.

Set the Network IP address and check the firewall.

Login as Administrator on Client machine PC1.





## 6. Create the following OUS on the DC machine:

Developers, IT, QA, HR, and Designers.

Add 5 users for each OU.

Create the appropriate groups and assign users to them.

Add one user from each department to the Domain Admins group.

### 1. Creating Organizational Units (OUs)

Open "Active Directory Users and Computers" on the DC machine.

Right-click on the domain (e.g., "yourdomain.local") and select "New" -> "Organizational Unit".

Create the following OUs: Developers, IT, QA, HR, Designers.

### 2. Adding Users to Each OU

Navigate to each created OU (e.g., Developers) in "Active Directory Users and Computers".

Right-click on the OU and select "New" -> "User".

Enter the required information for each user (e.g., devuser1, devuser2, etc.) and set a password.

Repeat this process to create 5 users in each OU.

### 3. Creating Appropriate Groups and Assigning Users to Them

Go to each OU.

Right-click on the OU and select "New" -> "Group".

Create groups for each organizational unit (e.g., Developers\_Group, IT\_Group, QA\_Group, HR\_Group, Designers\_Group).

To add users to a group, right-click on the group, select "Properties" -> "Members" tab -> "Add", and then add the appropriate users.

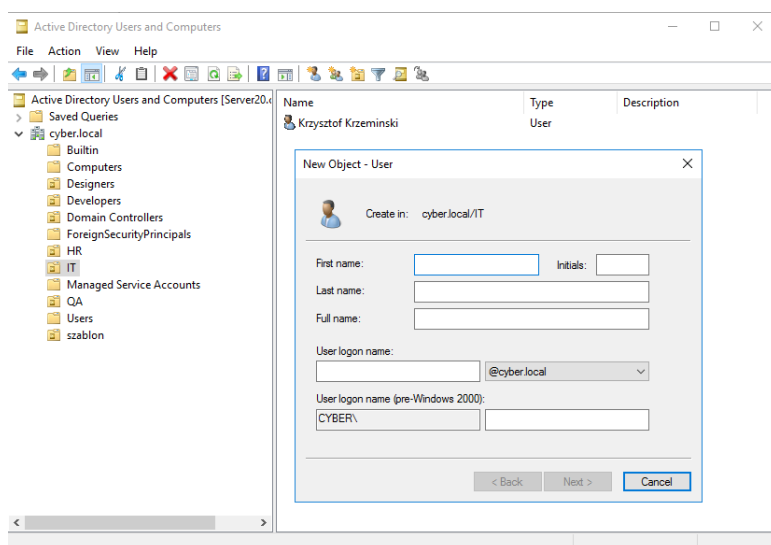
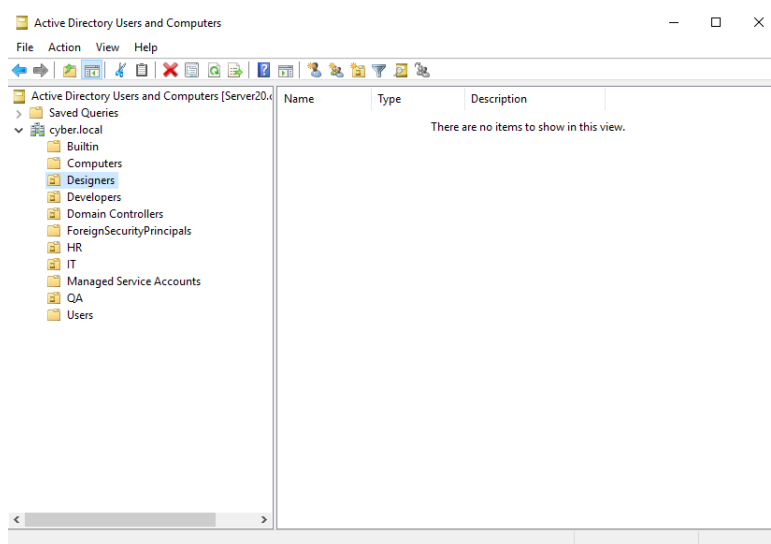
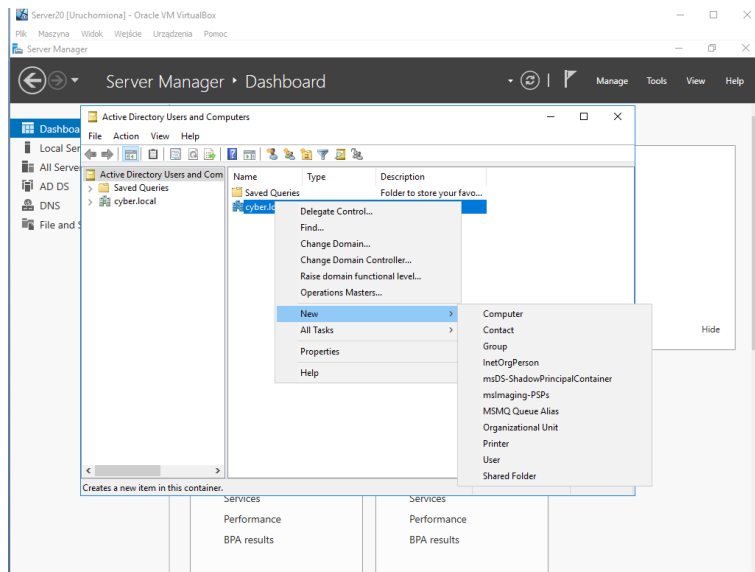
### 4. Adding One User from Each Organizational Unit to the "Domain Admins" Group

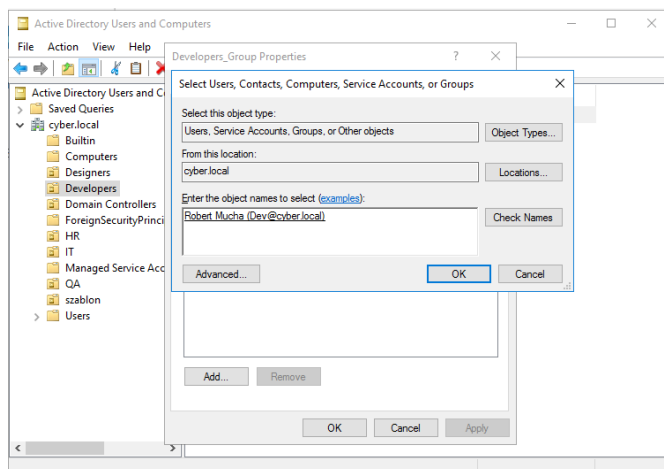
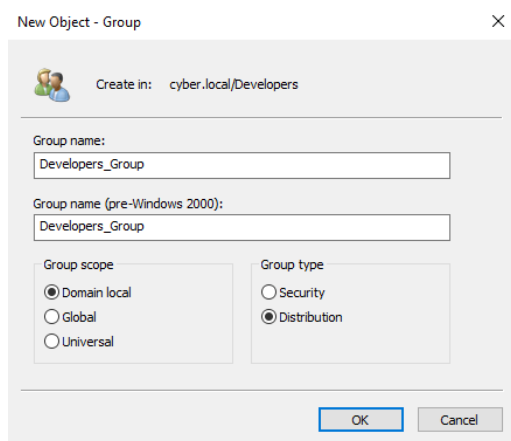
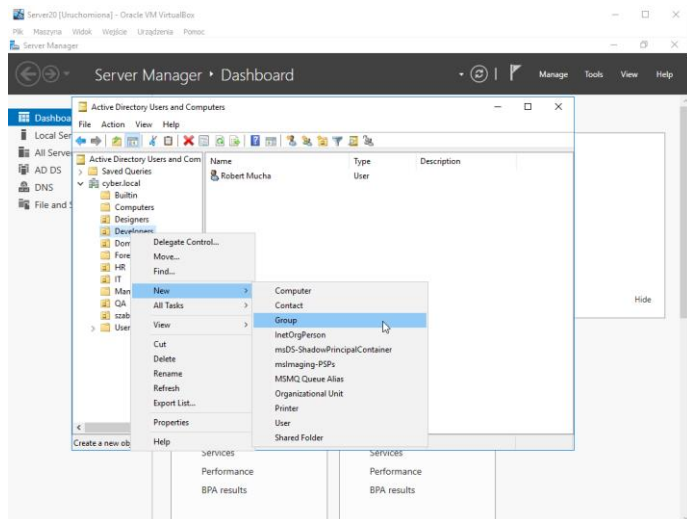
Open "Active Directory Users and Computers".

Go to the "Domain Admins" group (located in the "Users" OU).

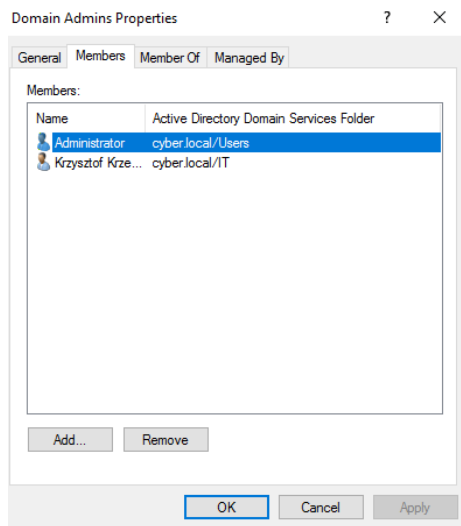
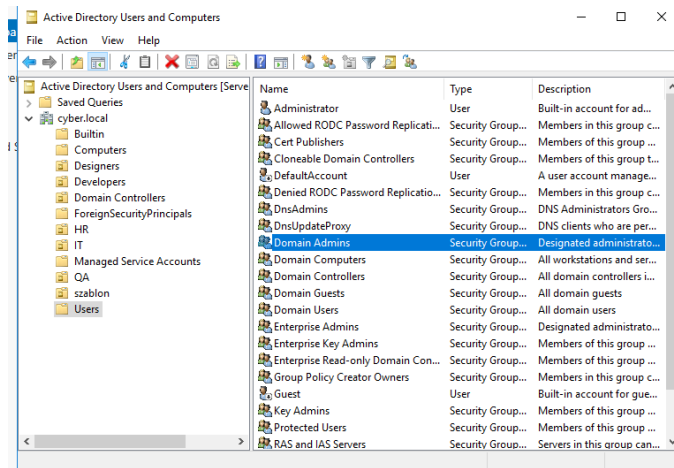
Right-click on "Domain Admins", select "Properties" -> "Members" tab -> "Add".

Add one user from each organizational unit to the "Domain Admins" group.









## 7. Create the following GPOs:

- Set a different wallpaper for each department.
- Prevent the QA department's users from accessing the Control Panel.
- Prevent the HR department's users from accessing the CMD.

### 1. Creating Different Wallpapers for Each Department

#### Open Group Policy Management:

- On the Domain Controller (DC), open "Group Policy Management".
- Create a New GPO for Each Department:
- Right-click on "Group Policy Objects" and select "New".
- Create a new GPO for each department, for example, "Wallpaper\_Developers", "Wallpaper\_IT", "Wallpaper\_QA", "Wallpaper\_HR", "Wallpaper\_Designers".

#### Configure the Wallpaper:

- Right-click the created GPO and select "Edit".
- Navigate to "User Configuration" -> "Policies" -> "Administrative Templates" -> "Desktop" -> "Desktop".
- Double-click "Desktop Wallpaper" and set the path to the wallpaper image for the specific department.
- Set "Wallpaper Style" to "Fill" (or another preferred option).

#### Link the GPO to the Appropriate OU:

- Right-click the appropriate Organizational Unit (OU) (e.g., "Developers") and select "Link an existing GPO".
- Select the appropriate GPO (e.g., "Wallpaper\_Developers") and click "OK".
- Prevent QA Department Users from Accessing the Control Panel

#### Create a New GPO:

In "Group Policy Management", right-click on "Group Policy Objects" and select "New".

Name the new GPO, for example, "Disable\_ControlPanel\_QA".

### Configure the Control Panel Block:

- Right-click the created GPO and select "Edit".
- Navigate to "User Configuration" -> "Policies" -> "Administrative Templates" -> "Control Panel".
- Double-click "Prohibit access to Control Panel and PC settings" and set it to "Enabled".

### Link the GPO to the OU:

- Right-click the "QA" Organizational Unit (OU) and select "Link an existing GPO".
- Select "Disable\_ControlPanel\_QA" and click "OK".

Prevent HR Department Users from Accessing CMD

### Create a New GPO:

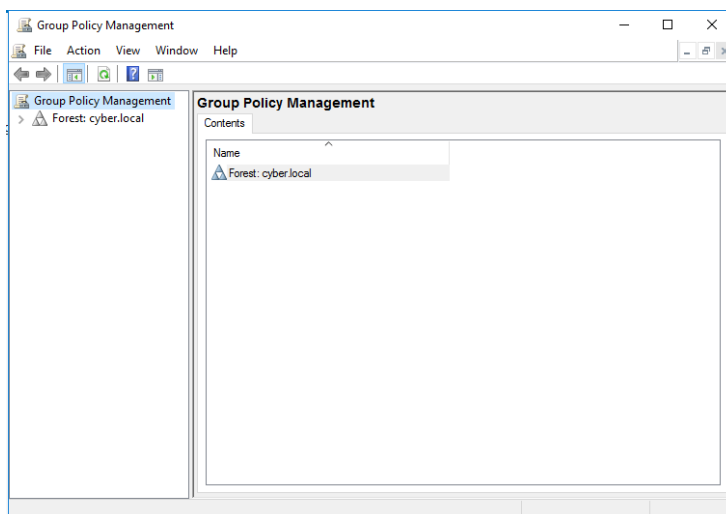
- In "Group Policy Management", right-click on "Group Policy Objects" and select "New".
- Name the new GPO, for example, "Disable\_CMD\_HR".

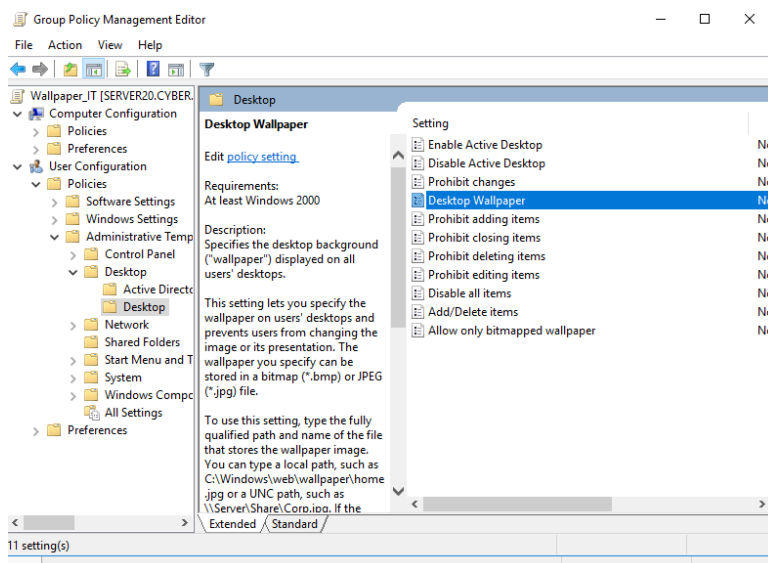
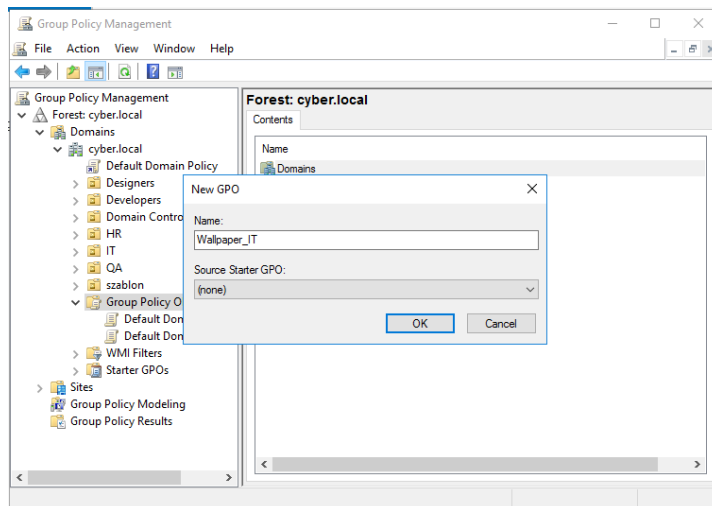
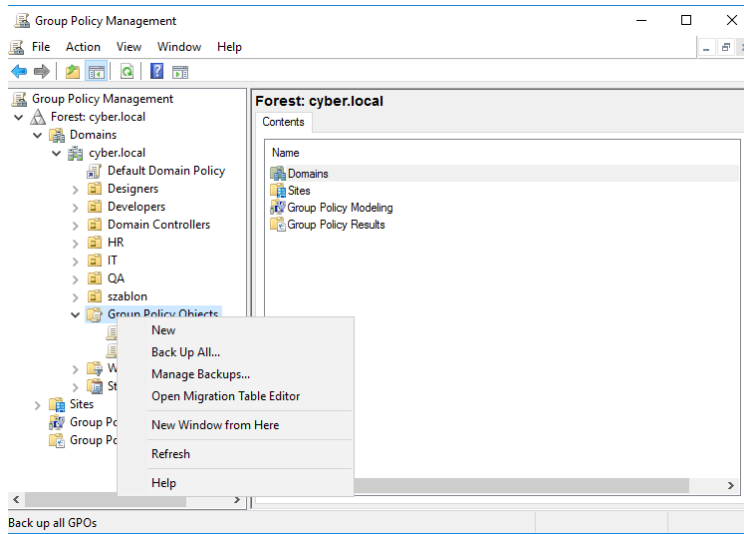
### Configure the CMD Block:

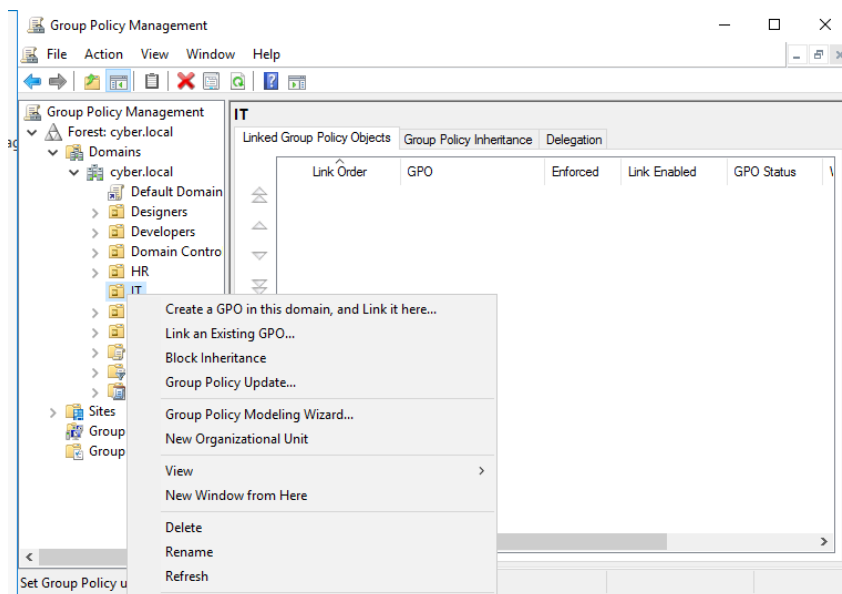
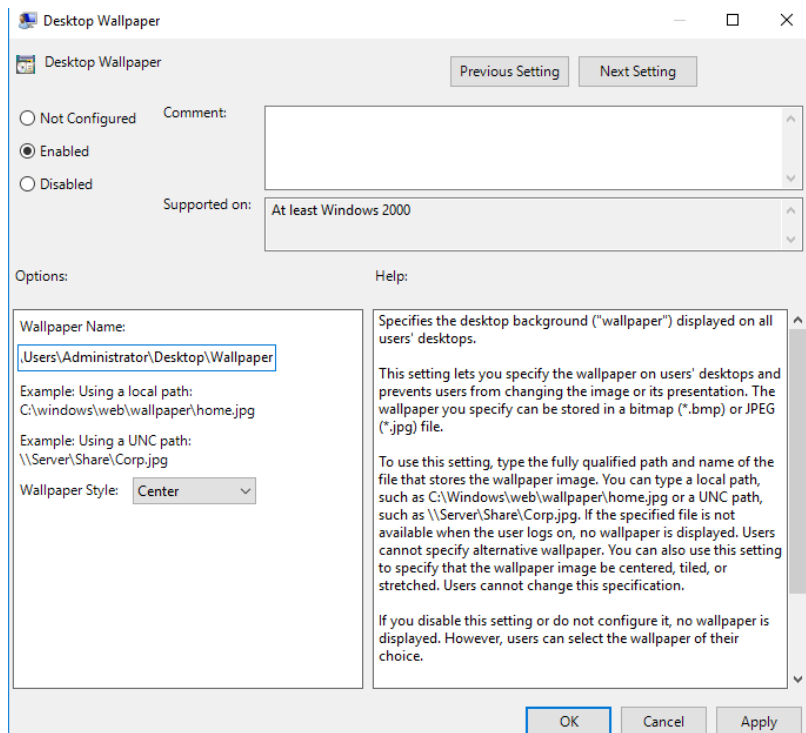
- Right-click the created GPO and select "Edit".
- Navigate to "User Configuration" -> "Policies" -> "Administrative Templates" -> "System".
- Double-click "Prevent access to the command prompt" and set it to "Enabled".
- Optionally, you can set "Disable the command prompt script processing also?" to "Yes".

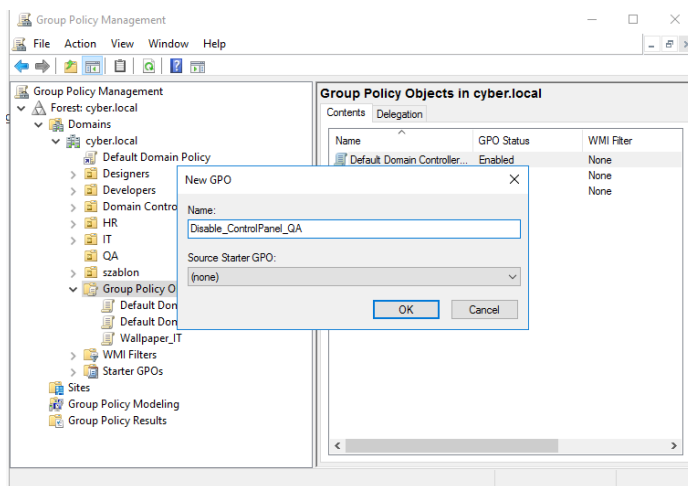
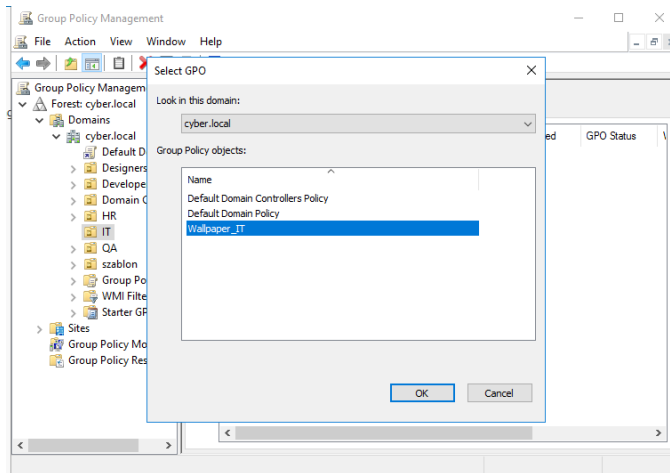
### Link the GPO to the OU:

- Right-click the "HR" Organizational Unit (OU) and select "Link an existing GPO".
- Select "Disable\_CMD\_HR" and click "OK".

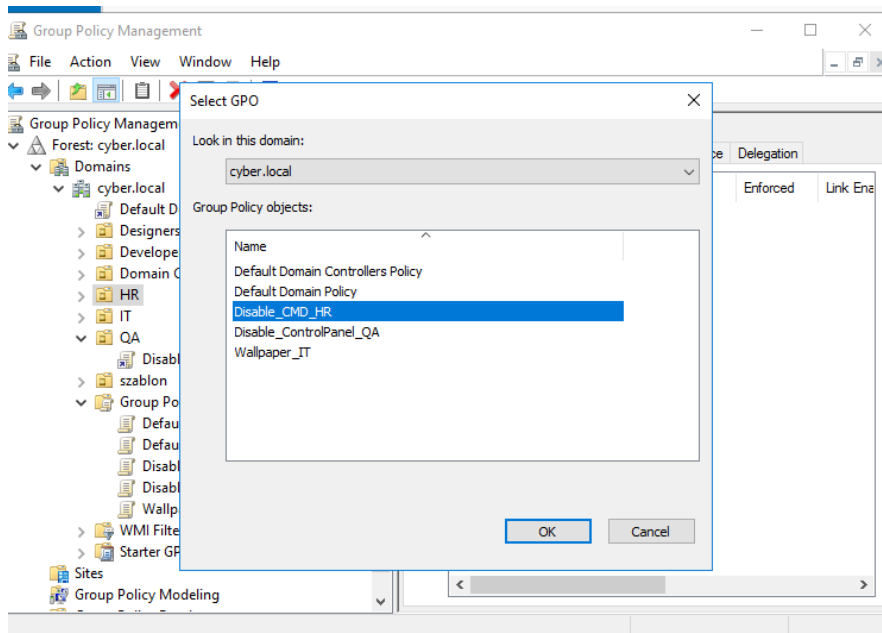
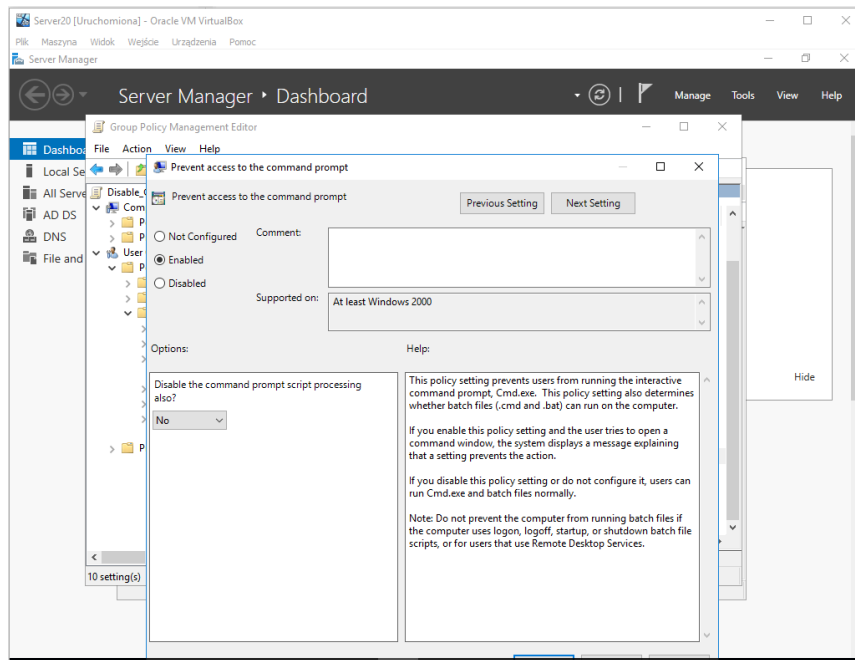














**8. Configure the system to lock out users after 3 failed login attempts. Only the administrator will be able to unlock the user account.**

### **Using Group Policy Management**

#### **Open Group Policy Management:**

-On the Domain Controller (DC), open "Group Policy Management".

#### **Create a New GPO:**

-Right-click on "Group Policy Objects" and select "New".

-Name the new GPO, for example, "Account\_Lockout\_Policy".

-Configure Account Lockout Policy:

-Right-click the created GPO and select "Edit".

-Navigate to "Computer Configuration" -> "Policies" -> "Windows Settings" -> "Security Settings" -> "Account Policies" -> "Account Lockout Policy".

#### **Set Account Lockout Policy:**

-Account lockout threshold: Double-click and set to 3 failed login attempts.

-Account lockout duration: Double-click and set to 0, which means the account will remain locked until manually unlocked by an administrator.

-Reset account lockout counter after: Double-click and set to an appropriate time, e.g., 30 minutes.

#### **Link the GPO to the Domain:**

-Right-click the domain (e.g., "yourdomain.local") and select "Link an existing GPO".

-Select "Account\_Lockout\_Policy" and click "OK".

-Verify Configuration

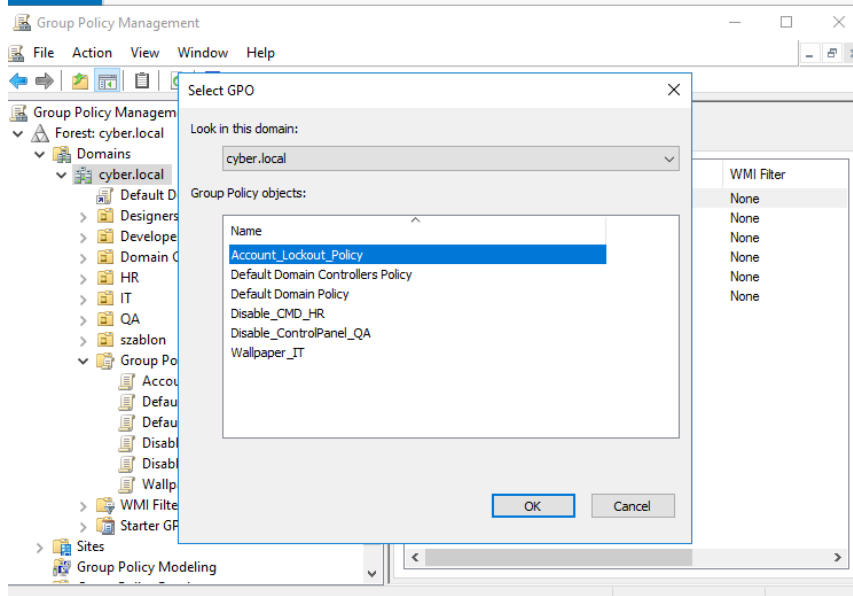
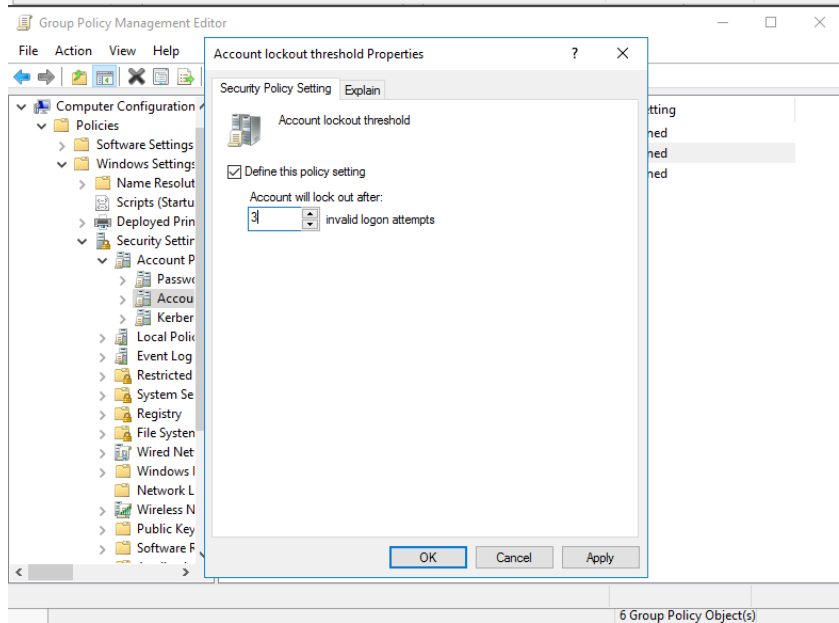
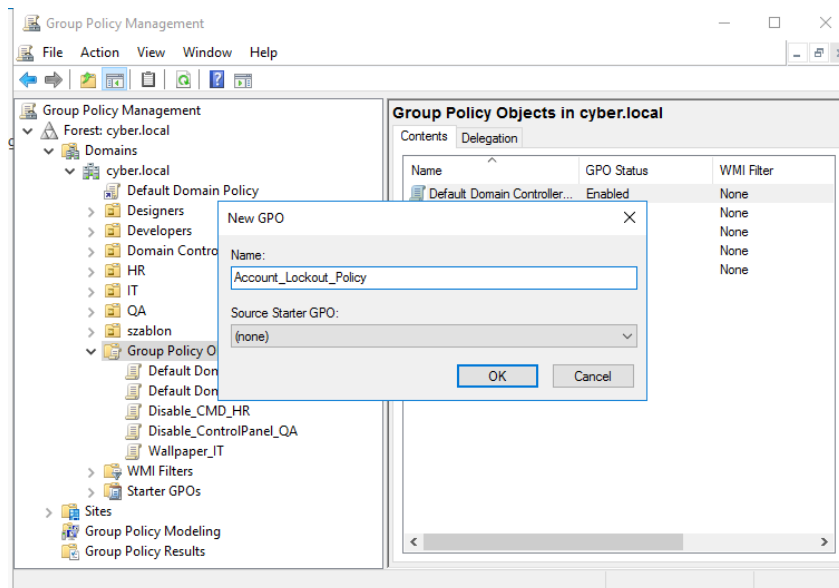
-After completing the above steps, it's important to verify that the policy has been applied correctly:

-Open Command Prompt as Administrator:

-On a Windows computer, open Command Prompt as an administrator.

#### **Force Group Policy Update:**

-Type the command `gpupdate /force` to force the update of group policies.



```
Administrator: Command Prompt - gpupdate /force
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>gpupdate /force
'gpupdate' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Administrator>gpupdate /force
Updating policy...

Computer Policy update has completed successfully.
```

Group Policy Management

File Action View Window Help

Group Policy Management

Forest: cyber.local

Domains

cyber.local

Account\_Lockout\_Policy

Default Domain Policy

Designers

Developers

Domain Controllers

HR

IT

QA

szablon

Group Policy Objects

WMI Filters

Starter GPOs

Sites

Group Policy Modeling

Group Policy Results

Account\_Lockout\_Policy

Scope Details Settings Delegation

Account\_Lockout\_Policy

Date collected on: 7/20/2024 2:47:25 PM

Computer Configuration (Enabled)

Policies

Windows Settings

Security Settings

Account Policies/Account Lockout Policy

Policy	Setting
Account lockout duration	30 minutes
Account lockout threshold	3 invalid logon attempts
Reset account lockout counter after	30 minutes

User Configuration (Enabled)

No settings defined.

**9. Create a shared drive named "Files" that will only be accessible to users of the Designers and Developers departments.  
Create a Folder on the Disk:**

- Log in to the Windows Server as an administrator.
- Open File Explorer and navigate to the location where you want to create a new folder.
- Right-click in an empty space, select "New," and then "Folder."
- Name the folder "Files."

**Configure Folder Sharing:**

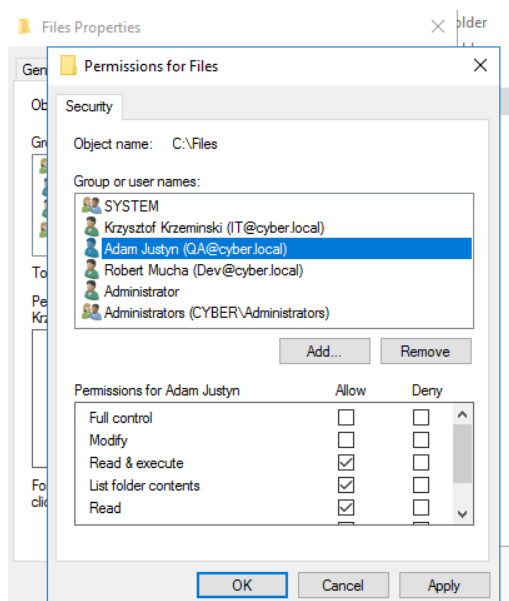
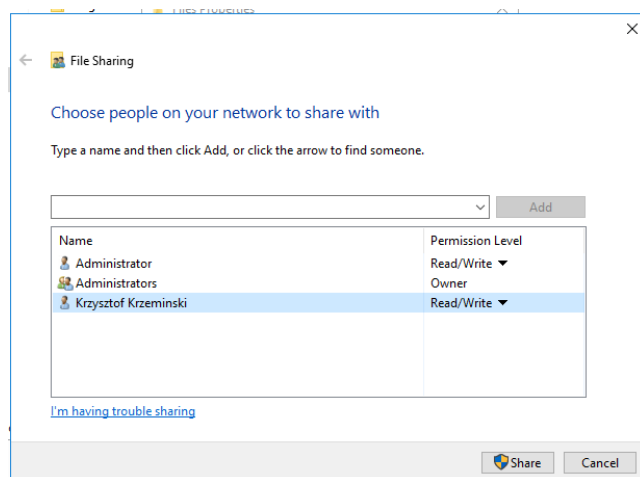
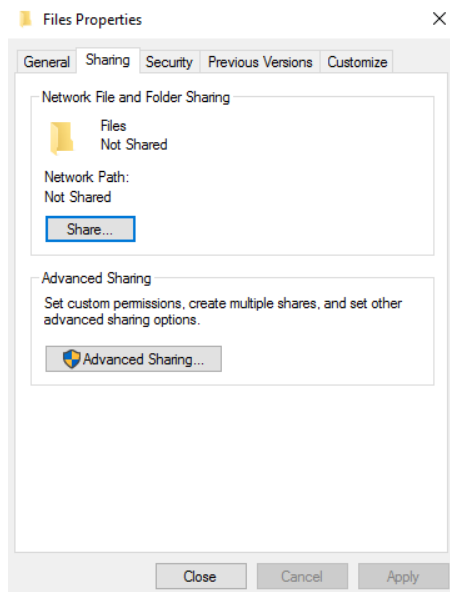
- Right-click on the "Files" folder and select "Properties."
- Go to the "Sharing" tab and click "Share...".
- In the "Share" window, click "Add" to add groups or users you want to grant access to. Enter "Designers" and "Developers" (or the corresponding user groups).
- Click "Add," then set the appropriate permissions (e.g., "Full Control" or "Read") for these groups.
- Click "Share," then "Done."

**Set NTFS Permissions:**

- In the "Properties" window of the "Files" folder, go to the "Security" tab.
- Click "Edit" to adjust the permissions.
- Ensure that only the "Designers" and "Developers" groups have the appropriate permissions to the folder. You can do this by clicking "Add" and entering the group names.
- Grant the appropriate permissions for these groups.
- Click "OK" to save the changes.

**Test Access:**

- Log in as a user from the "Designers" or "Developers" group and verify that you can access the "Files" folder and have the correct permissions.
- Ensure that users outside of these groups do not have access to the folder.



## **10. Configure a DHCP server that assigns IP addresses from the pool in the range of 10.0.2.120-10.0.2.150.**

-Install the DHCP Server Role

-Log in to the Windows Server as an administrator.

### **Open Server Manager:**

-Press Win + R, type servermanager, and press Enter, or click the Server Manager icon on the taskbar.

-Add the DHCP Server Role:

-In Server Manager, click on Add roles and features.

-In the wizard, click Next until you reach the Server Roles section.

-Check the DHCP Server role and click Next.

-Follow the prompts to complete the installation of the role.

### **Configure the DHCP Server**

-Open the DHCP Management Console:

-In Server Manager, click on Tools and select DHCP.

-Start the New Scope Wizard:

-In the DHCP Management Console, right-click on the server name in the left pane and select New Scope.

### **Go through the New Scope Wizard:**

-Scope Name and Description: Provide a name and description for the new scope (e.g., "Client IP Range").

-IP Address Range: Enter the IP address range to be assigned, which is from 10.0.2.120 to 10.0.2.150.

-Subnet Mask: Typically for this range, it will be 255.255.255.0.

-Default Gateway: Enter the IP address of the default gateway if required.

-DNS Servers: Optionally, provide the IP addresses of DNS servers to be assigned to clients.

### **Configure Scope Options:**

-Click Next and configure additional scope options such as lease duration if needed.

-Complete the Scope Configuration:

-Click Finish to complete the wizard.

### **Activate the Scope:**

Ensure that the new scope is activated. Right-click on the scope name in the DHCP console and select Activate if it is not already active.

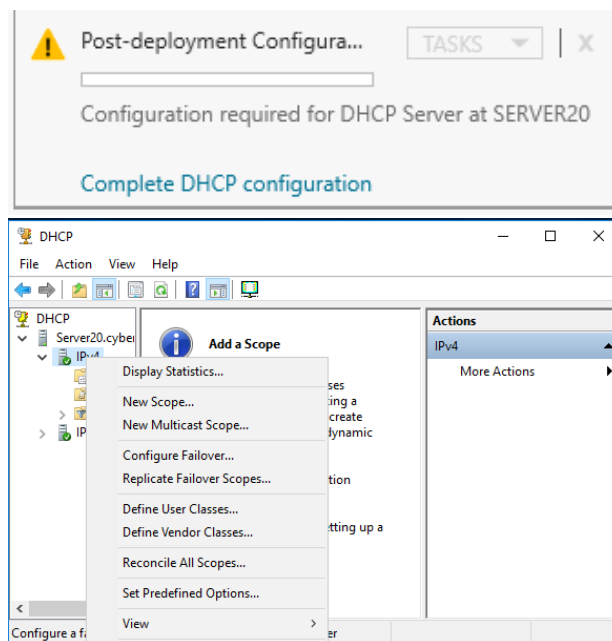
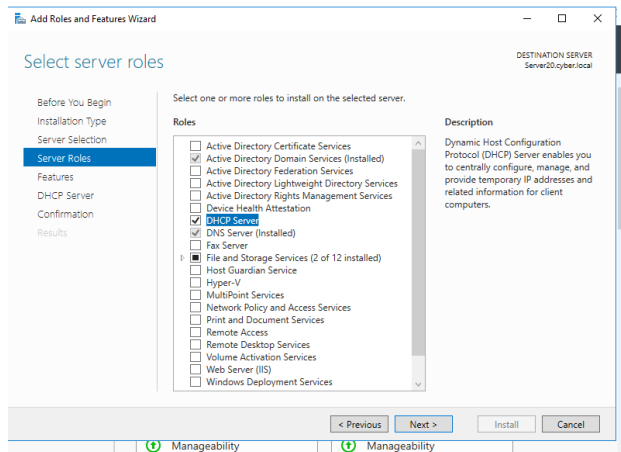
## Test the Configuration

-Check if Clients Receive IP Addresses:

-Connect a computer or other device to the network and verify that it receives an IP address from the range 10.0.2.120 to 10.0.2.150.

## Monitor Logs and Events:

-You can monitor IP address assignments and any issues using the DHCP console and system logs.



## New Scope Wizard

### Scope Name

You have to provide an identifying scope name. You also have the option of providing a description.



Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network.

Name:

Description:

< Back   Next >   Cancel

## New Scope Wizard

### IP Address Range

You define the scope address range by identifying a set of consecutive IP addresses.



#### Configuration settings for DHCP Server

Enter the range of addresses that the scope distributes.

Start IP address:

End IP address:

#### Configuration settings that propagate to DHCP Client

Length:

Subnet mask:

< Back   Next >   Cancel

The screenshot shows the DHCP console window with the following components:

- Tree View:** Shows the hierarchy: DHCP > Server20.cyber.local > IPv4 > Scope [10.0.2.0] Client IP Range.
- Contents of Scope:** Lists 'Address Pool' and 'Address Leases'.
- Actions:** A context menu is open for the selected scope, showing options: Display Statistics..., Advanced..., Configure Failover..., Reconcile..., Activate, View, Delete, Refresh, Export List..., Properties, and Help.
- Status Bar:** Displays 'All events | 7 total'.



```
Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::b847:6f20:bfc4:5cdb%9
    IPv4 Address. . . . . : 10.0.2.120
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :
```

## 11. Create a DNS record that will identify the Windows 10 client machine by the name "Client-A."

Steps to Create a DNS Record

### 1. Open DNS Manager

- On your DNS server, open **DNS Manager**.
- Press Win + R, type `dnsmgmt.msc`, and press Enter, or

Open **Server Manager**, go to **Tools**, and select **DNS**.

### 2. Navigate to the Appropriate Zone

- In the DNS Manager console, expand the server node.
- Expand the **Forward Lookup Zones** to find the zone where you want to add the record. This will typically be the domain that your Windows 10 client is part of (e.g., `example.com`).

### 3. Create a New A Record

Right-click on the zone where you want to add the record and select **New Host (A or AAAA)**.

### 4. Configure the New Host Record

- **Name:** Enter the name for the DNS record. In this case, enter `Client-A`. This will create a record for `Client-A.yourdomain.com`.
- **IP Address:** Enter the IP address of the Windows 10 client machine that you want to associate with this name.
- **Optional:** Check the box **Create associated pointer (PTR) record** if you want to create a reverse DNS record as well. This will automatically create a PTR record in the reverse lookup zone if it's properly configured.

### 5. Save the Record

- Click **Add Host** to create the record.

You will see a confirmation message that the record was created successfully.

### 6. Verify the DNS Record

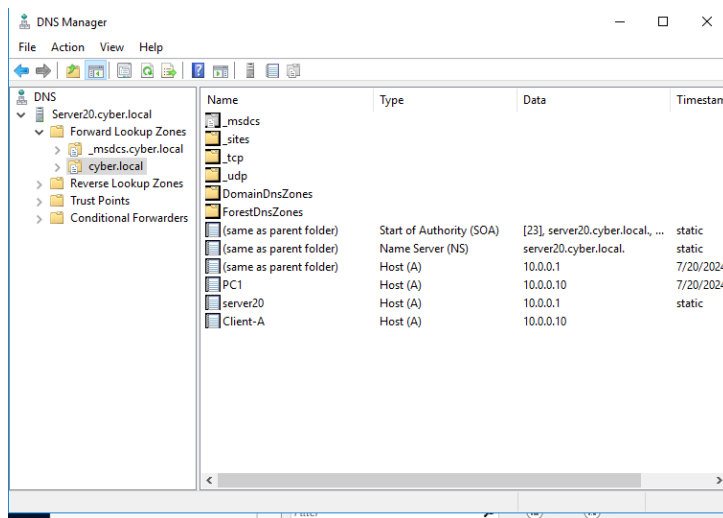
- After creating the record, you can verify it by using the **nslookup** command:

Open Command Prompt (`cmd`) on any computer.

Type `nslookup Client-A.yourdomain.com` and press Enter.

Verify that the correct IP address is returned.

- You can also use **DNS Manager** to verify that the record appears in the DNS zone and is correctly configured.



New Host

Name (uses parent domain name if blank):  
Client-A

Fully qualified domain name (FQDN):  
Client-A.cyber.local.

IP address:  
10.0.0.10

☐ Create associated pointer (PTR) record

☐ Allow any authenticated user to update DNS records with the same owner name

Add Host Cancel

