Create & Domain-Join Win10 Workstation

1. Obtain Windows 10 pro ISO

• Grab the evaluation ISO from Microsoft's website (you can use the 90-day Enterprise trial).

2. Create the Win10 VM

1. New VM Settings

o Name: Win10

o **Type:** Microsoft Windows → **Version:** Windows 10 (64-bit)

o Memory: 4 GB RAM

o **Disk:** New VDI, 40 GB, dynamically allocated

2. Network Adapters

- Adapter 1:
 - Enable → Attached to: Internal Network → Name: Lab-Internal
- o Adapter 2 (for Internet updates): (optional but recommended)
 - Enable → Attached to: NAT

3. Attach ISO & Install

- o In **Settings → Storage**, mount the Win10 ISO on the IDE controller.
- Start the VM and perform a standard Windows 10 install (accept defaults).

3. Configure Networking on Win10

After installation, log in as **Local Administrator** (.\Administrator).

1. Set a Static IP on the Internal NIC

- o Open Settings → Network & Internet → Change adapter options.
- Right-click the adapter on Lab-Internal → Properties → Internet Protocol Version 4 (TCP/IPv4).
- o Configure:

■ IP address: 192.168.100.10

Subnet mask: 255.255.255.0

- Default gateway: (leave blank)
- Preferred DNS server: 192.168.100.1 (the DC1 IP on Lab-Internal)

Make sure DC1's internal adapter is also statically set to 192.168.100.1/24 with DNS pointing to itself.

2. (Optional) Ensure Internet Access

 On the NAT adapter, leave DHCP enabled so Win10 can reach Windows Update.

3. Test Connectivity

Open PowerShell or CMD:

Powershell:

ping 192.168.100.1 # should reach DC1

nslookup dc1.lab.local # should resolve to 192.168.100.1

4. Join the Domain

1. System Properties

- Right-click This PC → Properties → Change settings next to the computer name.
- o Click **Change...** → Select **Domain**, enter lab.local.

2. Provide Credentials

 When prompted, enter lab\Administrator and the password you set during the DC promotion. (DC1 credentials)

3. Restart

o After a successful join, reboot the VM.

5. Verify Domain Join

- At the login screen, you should see a "Other user" option.
- Log in as lab\Administrator (or create a test domain user on DC1 first, then log in as that user).
- Once logged in, open **System Properties** to confirm the **Domain** is lab.local.

6 Your Task for Step 2.4

- 1. Create the Win10 VM with the two adapters as described.
- 2. Install Windows 10, set the static IP and DNS, then join it to lab.local.
- 3. Reboot and verify you can log in as a domain user.