Configure VirtualBox Networks

1. **Host-Only Network (Host ↔ Lab-Internal)**

   1. In VirtualBox's menu, go to **File → Host Network Manager**.

   2. Click **Create**. You'll see something like vboxnet0.

   3. Ensure **DHCP Server** is enabled (or you can assign static IPs later).

   4. Note its IPv4 network (default is 192.168.56.0/24).

2. **NAT Network for "Lab-DMZ" (Lab-DMZ ↔ Internet)**

   1. In the main VirtualBox window, go to **File → Preferences → Network → NAT Networks**.

   2. Click the green **+** to add a NAT network (e.g. Lab-DMZ).

   3. Edit it to ensure it provides DHCP on a distinct subnet (e.g. 10.0.2.0/24).

   4. **Enable "Supports DHCP"** so your web server VM gets an IP and can download updates.

3. **Internal Network for "Lab-Internal" (DC, Workstations, FileSrv)**

   o No global setup needed. VirtualBox lets you attach any VM adapter to an **Internal Network** by name. We'll call it Lab-Internal (rename the internal network adapter in network settings for each vm on internal network).

Your Task

1. Create the **Host-Only** network as above and confirm its subnet.

2. Create the **NAT** network for DMZ and confirm it's active.

3. Note down the network names/subnets:

   o Host-Only: vboxnet0 → e.g. 192.168.56.0/24

   o NAT: Lab-DMZ → e.g. 10.0.2.0/24

   o Internal: (no setup yet) name it Lab-Internal