Linux

Day 0 — Installing Linux on Windows Using Oracle VirtualBox

1. Introduction

This is my Day 0 Linux setup guide. The goal is to run Linux on my Windows system using Oracle VirtualBox. This will help me practise commands, scripting, networking, permissions, and every Linux concept in a real environment.

2. Download Requirements

- Oracle VirtualBox
- Download the latest version of Oracle VirtualBox for Windows from the official website.

3. Installing VirtualBox

1. Run the VirtualBox installer.
2. Keep the default settings and click Next.
3. Allow network driver installations.
4. Finish and open VirtualBox.

4. Creating a New Virtual Machine

1. Click New in VirtualBox.
2. Name: Ubuntu Linux
3. Type: Linux
4. Version: Ubuntu (64-bit)

5. Allocating Memory (RAM)
- Recommended: 4096 MB
- Minimum: 2048 MB

6. Creating Virtual Hard Disk

1. Choose "Create a virtual hard disk now".
2. Choose VDI.
3. Choose Dynamically allocated.
4. Disk size: 25–40 GB.

7. Attaching the Ubuntu ISO

1. VM → Settings → Storage.
2. Select Empty → disk icon → Choose a disk file.
3. Select Ubuntu ISO.
4. Click OK.

8. Installing Ubuntu

1. Start the VM.
2. Select Install Ubuntu.
3. Choose Normal installation.
4. Enable Install third-party software.
5. Select Erase disk and install Ubuntu (inside VM only).
6. Enter name, username, and password.
7. Install → Restart Now → Press Enter.

9. Post-Install Recommended Settings

➢ **Display**
- Video Memory: 128 MB
- Graphics Controller: VMSVGA

➢ **Processor**
- Set CPU cores to 2 if available.

➢ **Clipboard Integration**
- Shared Clipboard: Bidirectional
- Drag & Drop: Bidirectional

➢ **Guest Additions**
- Devices → Insert Guest Additions CD image → install → reboot.

10. After First Boot

1. Run system updates:
2. sudo apt update
3. sudo apt upgrade -y
4. sudo apt install build-essential -y