

## **EXERCISE-3**

### **1. Download and Install Virtual Box**

#### **Step 1: Downloading VirtualBox**

Step 1.1 :Open a web browser and search for VirtualBox.

Step 1.2 :Go to the official site: [virtualbox.org](http://virtualbox.org).

Step 1.3 :Click the Download button.

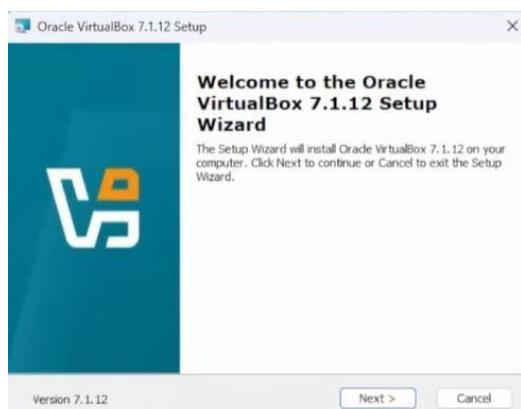
Step 1.4 :Select Windows host.

Step 1.5 :The Virtual Box setup file will start downloading.

#### **Step 2: Install VirtualBox**

Step 2.1 :Once the file is downloaded, right-click and open it.

Click Next.



Step 2.2 :Accept the license agreement → Click Next.

Step 2.3 :Keep the default installation location → Click Next.

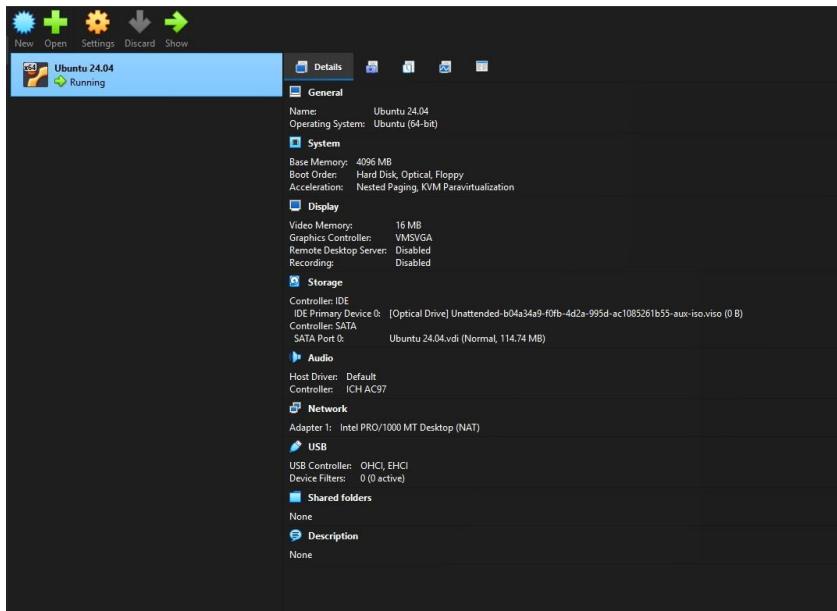
Step 2.4 :Click Yes if a warning appears about network interfaces.

Step 2.5 :Click Yes for Python Core settings.

Click Next.

Click Install.

Step 2.6 :After installation completes, click Finish to launch VirtualBox.



## 2. Downloading and Installing Ubuntu in VirtualBox

### Step 3: Download Ubuntu ISO

Step 3.1 :Open a web browser and search for Ubuntu.

Step 3.2 :Visit [ubuntu.com](http://ubuntu.com).

Step 3.3 :Go to Products → Ubuntu Desktop.

Step 3.4 :Click Download Ubuntu Desktop.

Step 3.5 :Select the LTS version (24.04).

Step 3.6 :Click Download and wait for the ISO file to finish downloading .

## 3. Create a New Virtual Machine in VirtualBox

### Step 4: Create VM

Step 4.1: Open VirtualBox.

Click New.

Step 4.2: Enter a name like Ubuntu 24.04.

Step 4.3: Under ISO Image, click Select Other and choose the downloaded Ubuntu ISO.

Step 4.4: VirtualBox will detect it as Linux / Ubuntu (64-bit).

## Step 5: Configure Unattended Install

Provide a username and password that will be used for Ubuntu login.

## Step 6: Configure Hardware

Step 6.1: Set Base Memory (RAM) – e.g., 5 GB (adjust based on your system).

Step 6.2: Set Processors – e.g., 4 CPU cores.

## Step 7: Configure Hard Disk

Allocate storage space – e.g., 30 GB.

## Step 8: Complete Setup

Click Finish.

## 4. Install Ubuntu

### Step 9: Start the VM

If the VM does not start automatically, click Start.

### Step 10: Begin Installation

Step 10.1: Select Try or Install Ubuntu (Safe Graphics).

Step 10.2: Follow the on-screen installation steps using Next until completion.

### Step 11: Login

Step 11.1: After installation, Ubuntu restarts.

Step 11.2: Log in using the username and password you created earlier.

## 5. Adjust Display Settings (Optional)

### Step 12: Resize the VM Window

In VirtualBox menu → View → choose Full-screen mode or Scaled mode.

### Step 13: Change Screen Resolution

Step 13.1: In Ubuntu, open the top-right menu.

Step 13.2: Search for Display Settings.

Step 13.3: Choose a resolution (e.g., 1360 × 768) and click Apply.

