EXPERIMENT – 3

Install virtual Box WorkStation with Different flatforms of Linux on Windows OS on top of windows or about Downloads Virtual Box on Windows and Ubuntu

Experiment Title: Installation of Ubuntu Linux using Oracle VirtualBox

Aim:

To install Ubuntu Linux operating system on a virtual machine using Oracle VirtualBox.

Software Requirements:

• Oracle VirtualBox
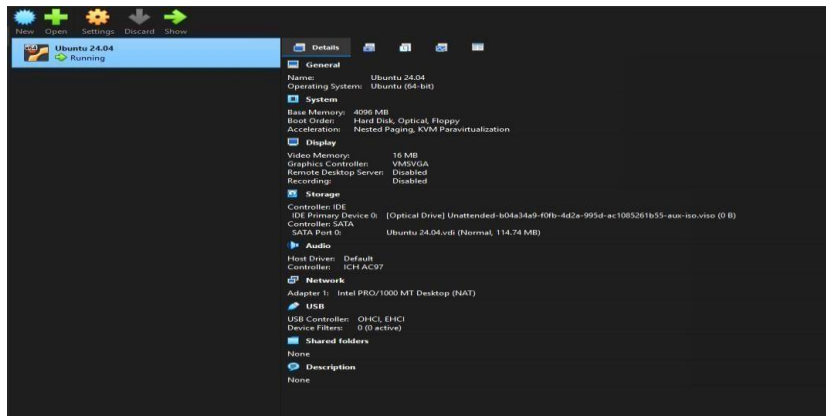
• Ubuntu 24.04 LTS ISO file

• Windows Operating System

Procedure:

Download and Install VirtualBox

1. Launch a browser and look up **VirtualBox** online.

2. Access the official VirtualBox website.

3. Select the **Download** option and choose **Windows** as the host system.

4. Open the downloaded setup file by double-clicking it.

5. Proceed by clicking **Next** and approving the license terms.

6. Do not change any settings and click **Next**.

7. Approve the network interface alert by selecting **Yes**.

8. Begin installation and allow it to finish.

9. Click **Finish** to launch the application.

1. **Download Ubuntu ISO File**

    1. Open any browser and access the official Ubuntu website.

    2. From the Products menu, select **Ubuntu Desktop**.

    3. Press the **Download** button for Ubuntu Desktop.

    4. Select **Ubuntu version 24.04 LTS**.

    5. Wait until the ISO file download completes.

2. **Create a New Virtual Machine**

    1. Launch VirtualBox and select **New**.
    2. Enter **Ubuntu 24.04** as the virtual machine name.
    3. Choose the previously downloaded Ubuntu ISO file.
    4. VirtualBox will automatically identify the OS as **Linux / Ubuntu (64-bit)**.
    5. Create a username and password for Ubuntu access.
    6. Assign memory (for example, **5 GB RAM**) and processor cores (for example, **4 CPUs**).
    7. Set the virtual hard disk size (for example, **30 GB**).
    8. Click **Finish** to complete the VM creation.

3. **Install Ubuntu Operating System**

    1. Select the virtual machine and click **Start**.
    2. Choose **Try or Install Ubuntu (Safe Graphics)** from the menu.
    3. Follow the on-screen steps and click **Next** when prompted.
    4. The installation process completes automatically.
    5. The system restarts once the installation is finished.
    6. Sign in using the username and password you created.

4. **Adjust Display Settings (Optional)**

    1.From the **View** menu, choose **Full Screen** or **Scaled Mode**.

    2.Open **Display Settings** in Ubuntu.

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3.Select the required screen resolution and click **Apply**.

Result:
Ubuntu Linux operating system was successfully installed on Oracle VirtualBox.