DevOps Training - Day 1 Assignment

Installing Oracle VirtualBox and Running Unix Commands on Ubuntu

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Step 1: Install Oracle VirtualBox

The first step is to install **Oracle VirtualBox**, which is software that allows you to run a virtual computer inside your real computer.

1. Go to the **VirtualBox website** and download the latest version for your operating system (Windows, macOS, or Linux).

2. Open the downloaded file and **run the installer**.

3. Follow the **on-screen instructions** to complete the installation.

After installing VirtualBox, you can use it to create and run virtual machines (VMs).

Step 2: Download Ubuntu ISO

Now, we need to download the **Ubuntu operating system** in ISO format.

1. Visit the **official Ubuntu website** and download the latest **Long-Term Support (LTS) version**.

2. The file will be in **ISO format**, which is like a digital version of a CD/DVD that we will use to install Ubuntu inside VirtualBox.

Step 3: Create a Virtual Machine (VM)

Now, we will create a **new virtual machine** in VirtualBox and install Ubuntu on it.

1. Open **VirtualBox** and click on the **"New"** button to create a new VM.

2. Give your VM a name (for example, "Ubuntu DevOps") and select:

   - **Type:** Linux

   - **Version:** Ubuntu (64-bit)

3. Allocate **4GB of RAM** (if your computer has enough memory; otherwise, choose at least 2GB).

4. Allocate **20GB of storage** to install Ubuntu.

5. Click **Create** and then select **Start** to power on the VM.

6. When asked, **attach the Ubuntu ISO file** you downloaded earlier.

7. Follow the **on-screen instructions** to install Ubuntu inside the VM.

After completing the installation, restart the VM and log in to your Ubuntu system.

Step 4: Update Ubuntu

Once Ubuntu is installed, it is important to update it so that you have the latest software and security updates.

1. Open the **terminal** (you can find it in the applications menu or press **Ctrl + Alt + T**).

2. Run the following command to update Ubuntu:

sudo apt-get update && sudo apt-get upgrade -y

- o sudo gives you admin (superuser) access.

- o apt-get update refreshes the list of available updates.

- o apt-get upgrade -y installs the latest updates without asking for confirmation.

After running this command, Ubuntu will download and install updates. This may take a few minutes depending on your internet speed