DevOps Training - Day 1 Assignment

Installing Oracle VirtualBox and Running Unix Commands on Ubuntu

Step 1: Install Oracle VirtualBox

- Download from [VirtualBox](#).

- Run the installer and follow on-screen instructions.

Step 2: Download Ubuntu ISO

- Get the latest LTS version from [Ubuntu](#).

Step 3: Create a Virtual Machine

- Open VirtualBox → Click **New**.

- Set **Type** to **Linux**, **Version** to **Ubuntu (64-bit)**.

- Allocate **4GB RAM** and **20GB storage**.

- Attach the Ubuntu ISO and start the VM.

- Follow installation prompts.

Step 4: Update Ubuntu

Run these commands in the terminal:

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

Step 5: Check System Info

uname -a

lsb_release -a

Conclusion

We installed VirtualBox, set up Ubuntu, and ran basic Unix commands. This sets the foundation for DevOps automation and system management.

Oracle VirtualBox Manager

File   Machine   Help

Tools

New   Add   Settings   Discard   Show

ubuntu (Snapshot 1)
Running

ubuntu_default_1742530706475_98371
Powered Off

debian-11-box1
Saved

General
Name: ubuntu
Operating System: Ubuntu (64-bit)

System
Base Memory: 7029 MB
Processors: 3
Boot Order: Hard Disk, Optical, Floppy
Acceleration: Nested Paging, KVM Paravirtualization

Display
Video Memory: 16 MB
Graphics Controller: VMSVGA
Remote Desktop Server: Disabled
Recording: Disabled

Storage
Controller: IDE
  IDE Secondary Device 0:   [Optical Drive] Empty
Controller: SATA
  SATA Port 0:   ubuntu.vdi (Normal, 25.00 GB)

Audio
Host Driver: Default
Controller: ICH AC97

Network
Adapter 1:   Intel PRO/1000 MT Desktop (NAT)

USB
USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)

Shared folders
None

Description
None

Preview

34°C Mostly sunny   ENG 11:23 PM
                        IN   3/21/2025

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ubuntu (Snapshot 1) [Running] - Oracle VirtualBox

File   Machine   View   Input   Devices   Help

Activities   Terminal   Mar 21 11:21

root@ubuntu: /home/ubuntu

```
ubuntu@ubuntu:~$ su
Password:
root@ubuntu:/home/ubuntu# sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Hit:2 http://us.archive.ubuntu.com/ubuntu jammy InRelease
Get:3 http://us.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Reading package lists... Done
E: Release file for http://security.ubuntu.com/ubuntu/dists/jammy-security/InRelease is not valid yet (invalid for another 5h 1min 1
0s). Updates for this repository will not be applied.
E: Release file for http://us.archive.ubuntu.com/ubuntu/dists/jammy-updates/InRelease is not valid yet (invalid for another 5h 3min
31s). Updates for this repository will not be applied.
E: Release file for http://us.archive.ubuntu.com/ubuntu/dists/jammy-backports/InRelease is not valid yet (invalid for another 5h 6mi
n 29s). Updates for this repository will not be applied.
root@ubuntu:/home/ubuntu# apache2 -v
Server version: Apache/2.4.52 (Ubuntu)
Server built:   2024-03-18T13:41:27
root@ubuntu:/home/ubuntu# uname -a
Linux ubuntu 6.8.0-52-generic #53~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Wed Jan 15 19:18:46 UTC 2 x86_64 x86_64 x86_64 GNU/Linux
root@ubuntu:/home/ubuntu# lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 22.04.1 LTS
Release:        22.04
Codename:       jammy
root@ubuntu:/home/ubuntu# g
```

Auto capture keyboard ...