DevOps Training - Day 1 Assignment

Installing Oracle VirtualBox and Running Unix Commands on Ubuntu

Step 1: Install Oracle VirtualBox

- Download from [VirtualBox](#).
- Install by following the on-screen instructions.

Step 2: Download Ubuntu ISO

- Get the latest LTS version of [Ubuntu](#). ISO Image.

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.
- Complete the installation setup.

Step 4: Update Ubuntu

Run these commands in the terminal:

- sudo apt-get update
- sudo apt-get upgrade

Conclusion

We successfully installed VirtualBox, set up Ubuntu, and ran essential update commands. This lays the groundwork for future DevOps tasks.

Tools

ubuntu (Snapshot 1)
Running

debian-11-box1
Saved

New   Add   Settings   Discard   Show

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

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ubuntu (Snapshot 1) [Running] - Oracle VirtualBox

File   Machine   View   Input   Devices   Help

Activities   Terminal   Mar 21 23:31

ubuntu@ubuntu: ~

```
ubuntu@ubuntu:~$ sudo apt-get update
[sudo] password for ubuntu:
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 11h 42min
 7s). 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 9h 59min
 10s). 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 10h 1m
in 53s). Updates for this repository will not be applied.
ubuntu@ubuntu:~$ sudo apt-get upgrade
[sudo] password for ubuntu:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2
Use 'sudo apt autoremove' to remove them.
The following packages have been kept back:
  gir1.2-javascriptcoregtk-4.0 gir1.2-webkit2-4.0 libegl-mesa0 libgbm1 libgl1-amber-dri libgl1-mesa-dri libglapi-mesa libglx-mesa0
  libjavascriptcoregtk-4.0-18 libwebkit2gtk-4.0-37 libxatracker2 linux-generic-hwe-22.04 linux-headers-generic-hwe-22.04
  linux-image-generic-hwe-22.04 mesa-vulkan-drivers python3-software-properties python3-update-manager software-properties-common
  software-properties-gtk ubuntu-advantage-tools ubuntu-desktop ubuntu-desktop-minimal update-manager update-manager-core
The following packages will be upgraded:
  accountsservice alsa-ucm-conf amd64-microcode apparmor apport apport-gtk apt apt-utils avahi-autoipd avahi-daemon avahi-utils
  base-files bash bind9-dnsutils bind9-host bind9-libs bluez bluez-obexd bsdextrautils bsdutils bubblewrap busybox busybox-initramfs
  busybox-static ca-certificates coreutils cpio cpp-11 cups-filters cups-filters-core-drivers cups-ppdc dbus dbus-user-session
  distro-info distro-info-data dmidecode dnsetup dns-root-data dnsmasq-base dpkg evince evince-common evolution-data-server
  evolution-data-server-common fdisk firmware-sof-signed fonts-noto-color-emoji fonts-opensymbol fprintd fwupd gcc-11-base
  gcc-12-base gdb gdm3 gir1.2-accountsservice-1.0 gir1.2-adw-1 gir1.2-gdkpixbuf-2.0 gir1.2-gdm-1.0 gir1.2-gnomedesktop-3.0
  gir1.2-gst-plugins-base-1.0 gir1.2-gtk-3.0 gir1.2-gtk-4.0 gir1.2-harfbuzz-0.0 gir1.2-mutter-10
  gir1.2-nm-1.0 gir1.2-packagekitglib-1.0 gir1.2-pango-1.0 gir1.2-rsvg-2.0 gir1.2-vte-2.91 gjs gnome-control-center
  gnome-control-center-data gnome-control-center-faces gnome-desktop3-data gnome-initial-setup gnome-remote-desktop
  gnome-session-canberra gnome-settings-daemon gnome-settings-daemon-common gnome-shell gnome-shell-common
  gnome-shell-extension-ubuntu-dock gstreamer1.0-alsa gstreamer1.0-gl gstreamer1.0-gtk3 gstreamer1.0-packagekit
  gstreamer1.0-pipewire gstreamer1.0-plugins-base gstreamer1.0-plugins-base-apps gstreamer1.0-plugins-good gstreamer1.0-pulseaudio
```