LAPORAN INSTALASI APAHCE & REMOTE SERVER

Diajukan Untuk Memenuhi Salah Satu Tugas Mata Kuliah Pemrosesan Paralel

Disusun Oleh :

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UNIVERSITAS SRIWIJAYA

FAKULTAS ILMU KOMPUTER

PRODI SISTEM KOMPUTER

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PROSES INSTALASI APACHE

STEP 1 : Sebelum menginstall, update terlebih dahulu sistem ubuntu server dengan perintah

fakhrinaufal@newtzy:~$ sudo apt update

```
fakhrinaufal@newtzy:~$ sudo apt-get update
[sudo] password for fakhrinaufal:
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Hit:3 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease
Get:4 http://id.archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [995 kB]
Get:6 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [22.0 kB]
Get:7 http://id.archive.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
Fetched 1,263 kB in 2s (683 kB/s)
Reading package lists... Done
fakhrinaufal@newtzy:~$ _
```

STEP 2 : Selanjutnya install apache2 dengan cara memasukkan perintah berikut

fakhrinaufal@newtzy:~$ sudo apt install apache2

```
fakhrinaufal@newtzy:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.6).
The following packages were automatically installed and are no longer required:
  alsa-topology-conf alsa-ucm-conf bubblewrap docbook-xml glib-networking glib-networking-common
  glib-networking-services libasound2 libasound2-data libdrm-amdgpu1 libdrm-intel1 libdrm-nouveau2
  libdrm-radeon1 libegl-mesa0 libegl1 libgbm1 libglapi-mesa libglvnd0 libgraphene-1.0-0 libllvm15
  libpciaccess0 libproxy1v5 libwayland-server0 libx11-xcb1 libxcb-dri2-0 libxcb-dri3-0 libxcb-glx0
  libxcb-present0 libxcb-randr0 libxcb-sync1 libxcb-xfixes0 libxshmfence1 libxxf86vm1 sgml-base
  sgml-data xml-core
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 33 not upgraded.
fakhrinaufal@newtzy:~$ _
```

STEP 3 : Kita cek apakah apache2 sudah terinstal diubuntu server kita

fakhrinaufal@newtzy:~$ sudo ufw app list

```
fakhrinaufal@newtzy:~$ sudo ufw app list
[sudo] password for fakhrinaufal:
Available applications:
  Apache
  Apache Full
  Apache Secure
  Nginx Full
  Nginx HTTP
  Nginx HTTPS
  OpenSSH
fakhrinaufal@newtzy:~$
```

STEP 4 : Selanjutnya kita cek status dari apache2

fakhrinaufal@newtzy:~$ sudo systemctl status apache2

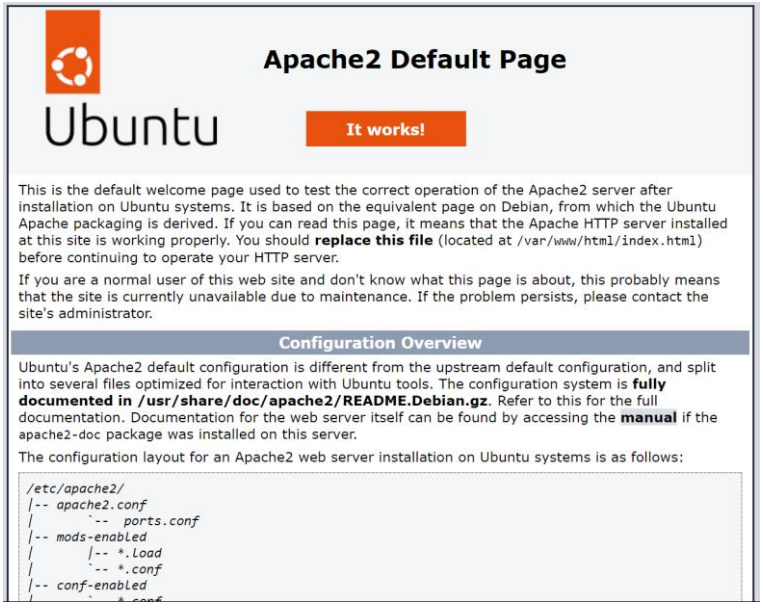
```
fakhrinaufal@newtzy:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
     Active: active (running) since Wed 2023-10-25 08:28:07 UTC; 1h 38min ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 1356 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 1360 (apache2)
      Tasks: 11 (limit: 2163)
     Memory: 147.7M
        CPU: 24.234s
     CGroup: /system.slice/apache2.service
             ├─1360 /usr/sbin/apache2 -k start
             ├─1361 /usr/sbin/apache2 -k start
             ├─1382 /usr/sbin/apache2 -k start
             ├─1390 /usr/sbin/apache2 -k start
             ├─1563 /usr/sbin/apache2 -k start
             ├─1566 /usr/sbin/apache2 -k start
             ├─1575 /usr/sbin/apache2 -k start
             ├─1578 /usr/sbin/apache2 -k start
             ├─1640 /usr/sbin/apache2 -k start
             ├─1642 /usr/sbin/apache2 -k start
             └─1643 /usr/sbin/apache2 -k start

Oct 25 08:28:07 newtzy systemd[1]: Starting The Apache HTTP Server...
Oct 25 08:28:07 newtzy apachectl[1359]: AH00558: apache2: Could not reliably determine the server's
Oct 25 08:28:07 newtzy systemd[1]: Started The Apache HTTP Server.
lines 1-25/25 (END)
```

STEP 5 : Selanjutnya pengecekan diweb browser, apakah apache2 berjalan dengan cara memasukkan ip kita

fakhrinaufal@newtzy:~$ ifconfig | fakhrinaufal@newtzy:~$ hostname -I

```
fakhrinaufal@newtzy:~$ hostname -I
10.8.143.126 192.168.56.102
fakhrinaufal@newtzy:~$
```



Jika telah keluar seperti ini berarti penginstalan apache2 berhasil diubuntu server 22.04

PROSES INSTALASI OPEN SSH, PUTTY

Instalasi OpenSSH

STEP 1 : Install OpenSSH diubuntu server menggunakan perintah berikut

fakhrinaufal@newtzy:~$ sudo apt install ssh

```
fakhrinaufal@newtzy:~$ sudo apt install ssh
[sudo] password for fakhrinaufal:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ssh is already the newest version (1:8.9p1-3ubuntu0.4).
The following packages were automatically installed and are no longer required:
  alsa-topology-conf alsa-ucm-conf bubblewrap docbook-xml glib-networking glib-networking-common
  glib-networking-services libasound2 libasound2-data libdrm-amdgpu1 libdrm-intel1 libdrm-nouveau2
  libdrm-radeon1 libegl-mesa0 libegl1 libgbm1 libglapi-mesa libglvnd0 libgraphene-1.0-0 libllvm15
  libpciaccess0 libproxy1v5 libwayland-server0 libx11-xcb1 libxcb-dri2-0 libxcb-dri3-0 libxcb-glx0
  libxcb-present0 libxcb-randr0 libxcb-sync1 libxcb-xfixes0 libxshmfence1 libxxf86vm1 sgml-base
  sgml-data xml-core
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 28 not upgraded.
fakhrinaufal@newtzy:~$ _
```

OpenSSH sudah berhasil diinstall

STEP 2 : Mengecek list application yang terlah terinstall tadi dengan cara

fakhrinaufal@newtzy:~$ sudo ufw app list

```
fakhrinaufal@newtzy:~$ sudo ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
  Nginx Full
  Nginx HTTP
  Nginx HTTPS
  OpenSSH
```

Disini sudo tertera aplikasi OpenSSH jadi sudah terinstall

STEP 3 : Mengaktifkan OpenSSH dengan perintah berikut

fakhrinaufal@newtzy:~$ sudo ufw allow OpenSSH

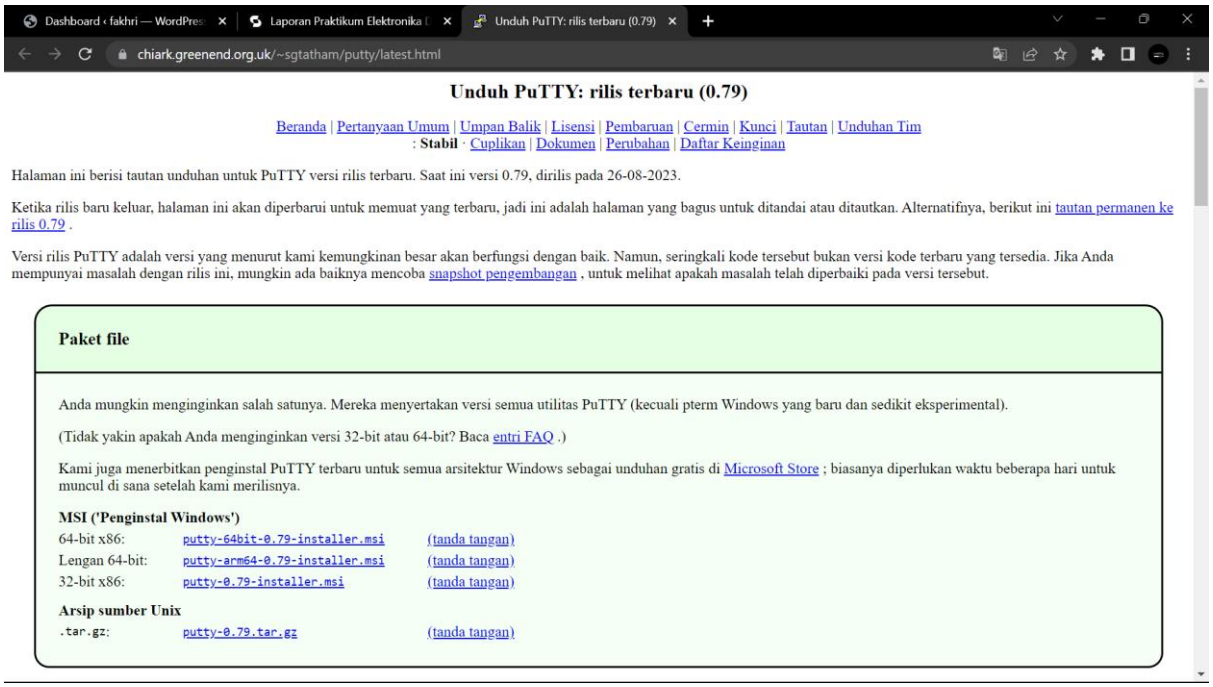
```
fakhrinaufal@newtzy:~$ sudo ufw allow OpenSSH
Skipping adding existing rule
Skipping adding existing rule (v6)
fakhrinaufal@newtzy:~$
```

Karna disini saya sudah mengaktifkannya jadi keluar commend seperti diatas

PROSES REMOTE SERVER

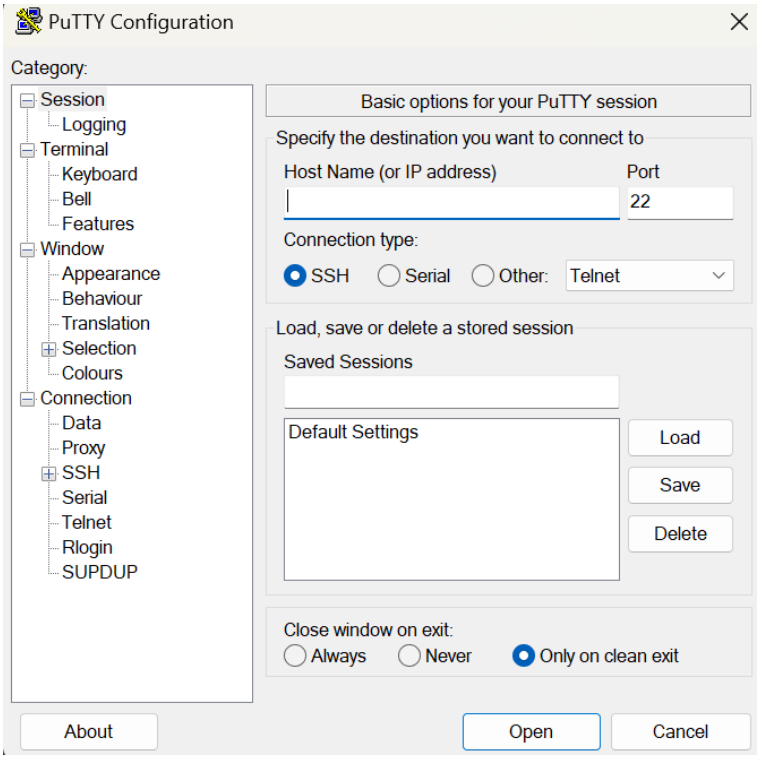
Instalasi Putty

STEP 1 : Instalasi Aplikasi Putty diwindows masing masing

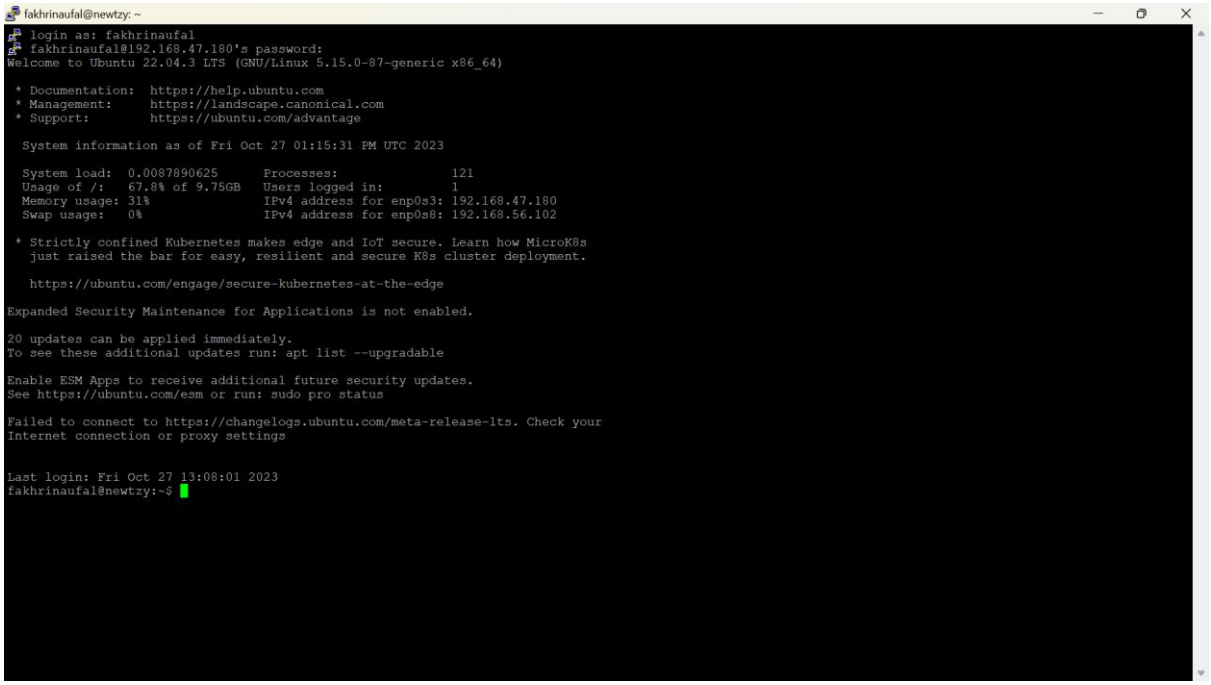


Disini kita install PuTTY yang MSI (For Windows) yang 64-bit x86, download sampai selesai.

STEP 2 : Bukak Aplikasi PuTTY yang sudah terinstall tadi



Selanjutnya isi bagian hostname Ubuntu Server masing masing, sebelum memasukkan hostname pastikan ubuntu server divirtual box sudah login terlebih dahulu.

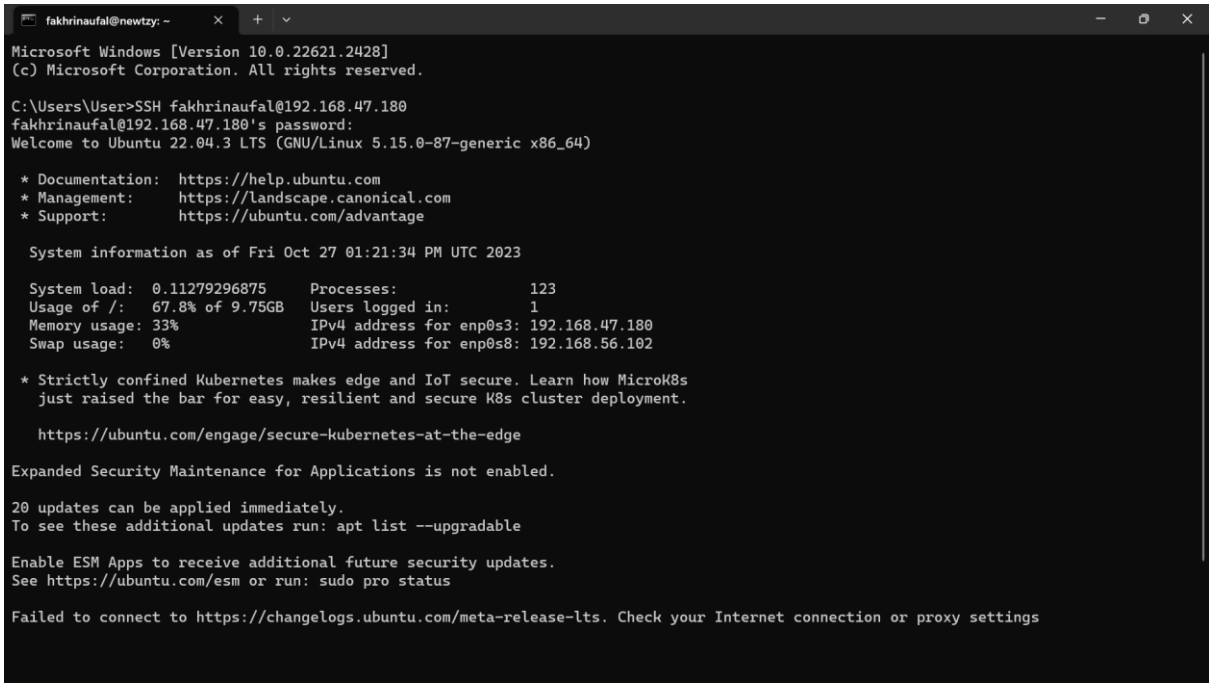


Tinggal Login dengan username diubuntu server lalu masukkan password. Selesai

Remote Dari CMD

STEP 1 : Bukak lah cmd pada windows, lalu ketikan perintah dibawah ini

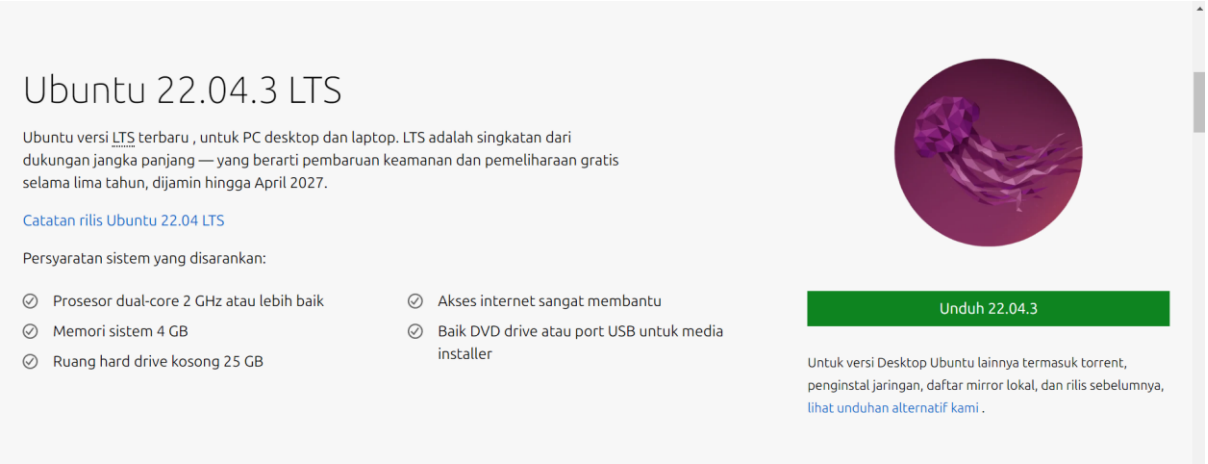
C:\Users\User> SSH ‘username ubuntu server’@’localhost’



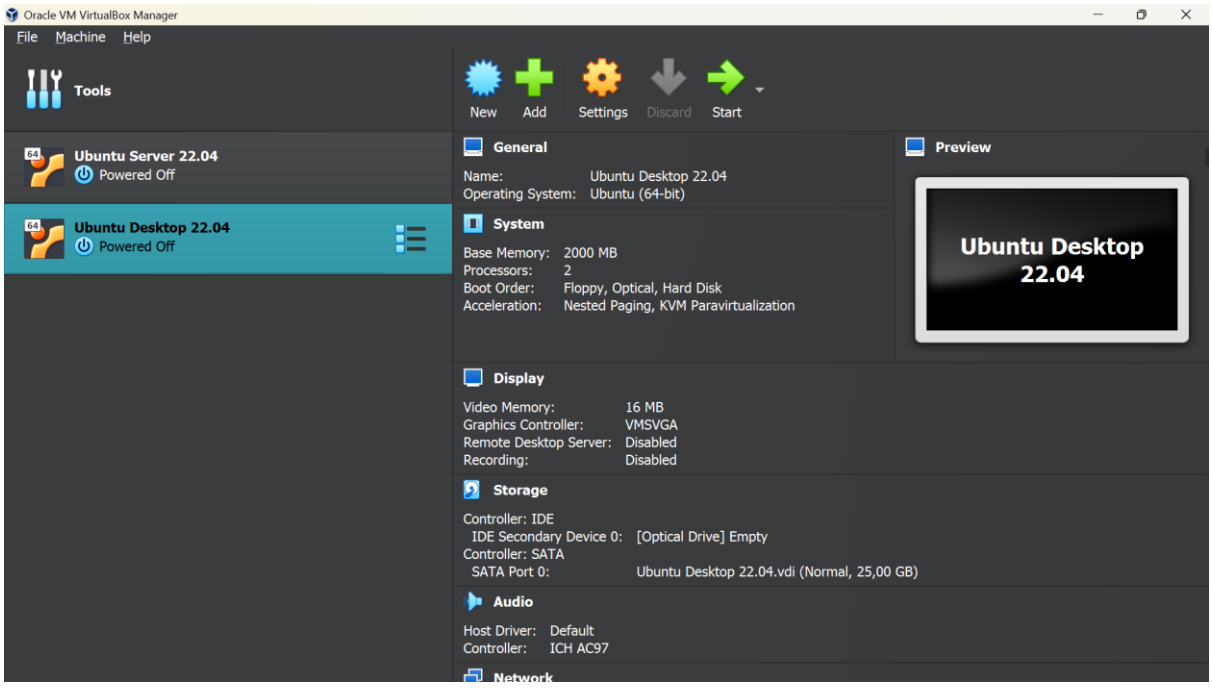
Tinggal login seperti biasa. Selesai

Remote Dari Ubuntu Server

STEP 1 : Download Ubuntu Desktop Digoogle https://ubuntu.com/download/desktop



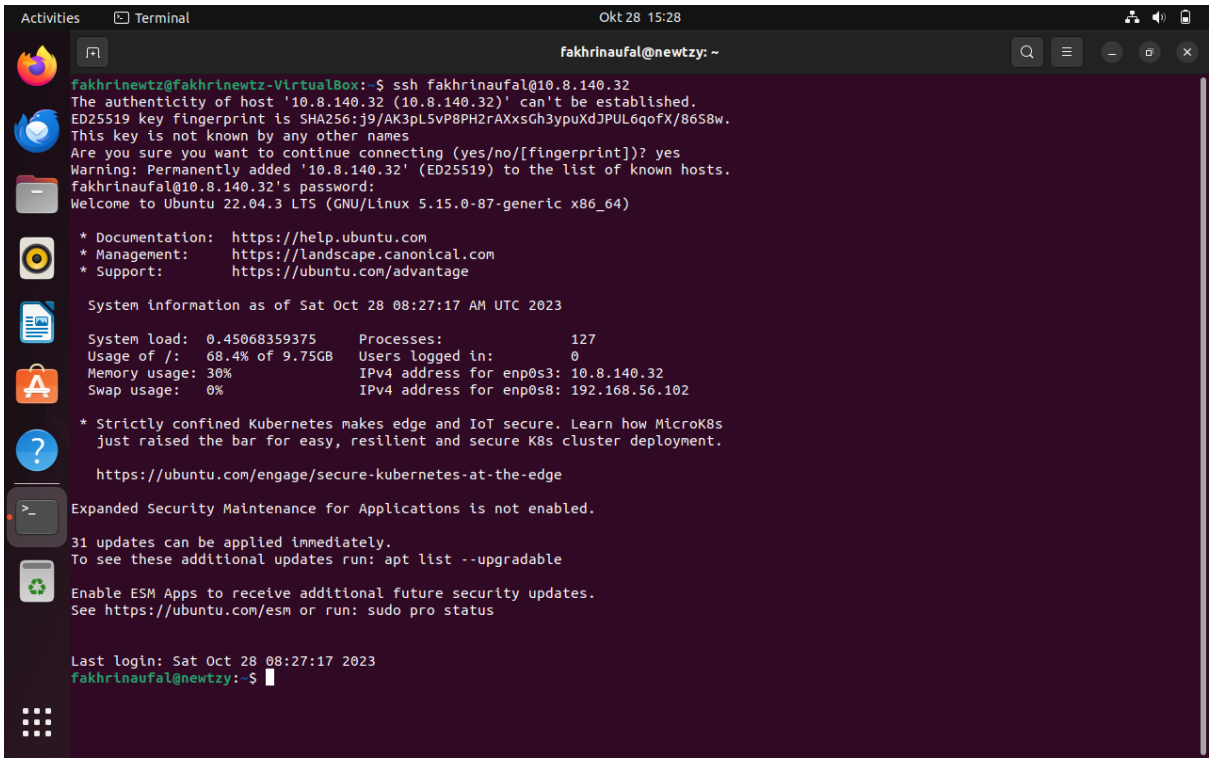
STEP 2 : Install Ubuntu Desktop diVM VirtualBox untuk menjalankannya



Jika sudah, lansung saja jalankan dan ikuti proses instalasi seperti biasa.

STEP 3 : Bukak terminal diubuntu desktop lalu ketikan perintah berikut

fakhrinewtz@fakhrinewtz-VirtualBox:~$ ssh ‘username ubuntu server’@’localhost’



Jika berhasil seperti gambar diatas, remote dari ubuntu desktop sudah berhasil. Sekarang bisa remote server diubuntu desktop

SELESAI