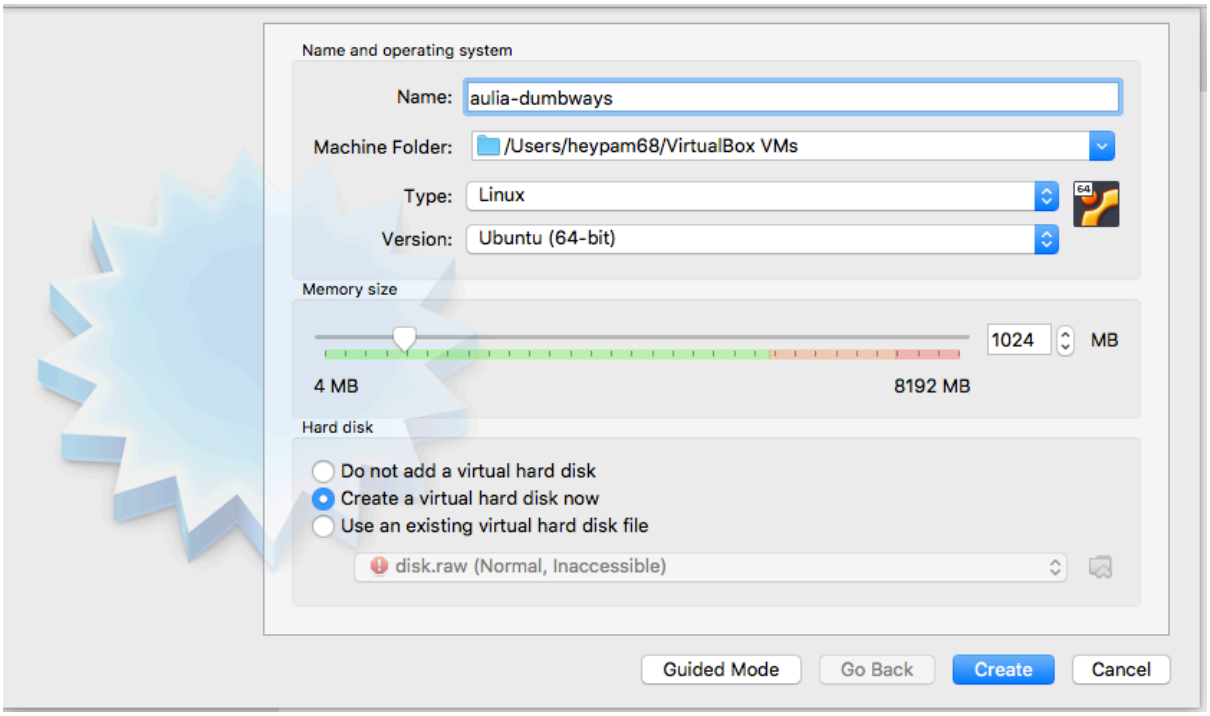
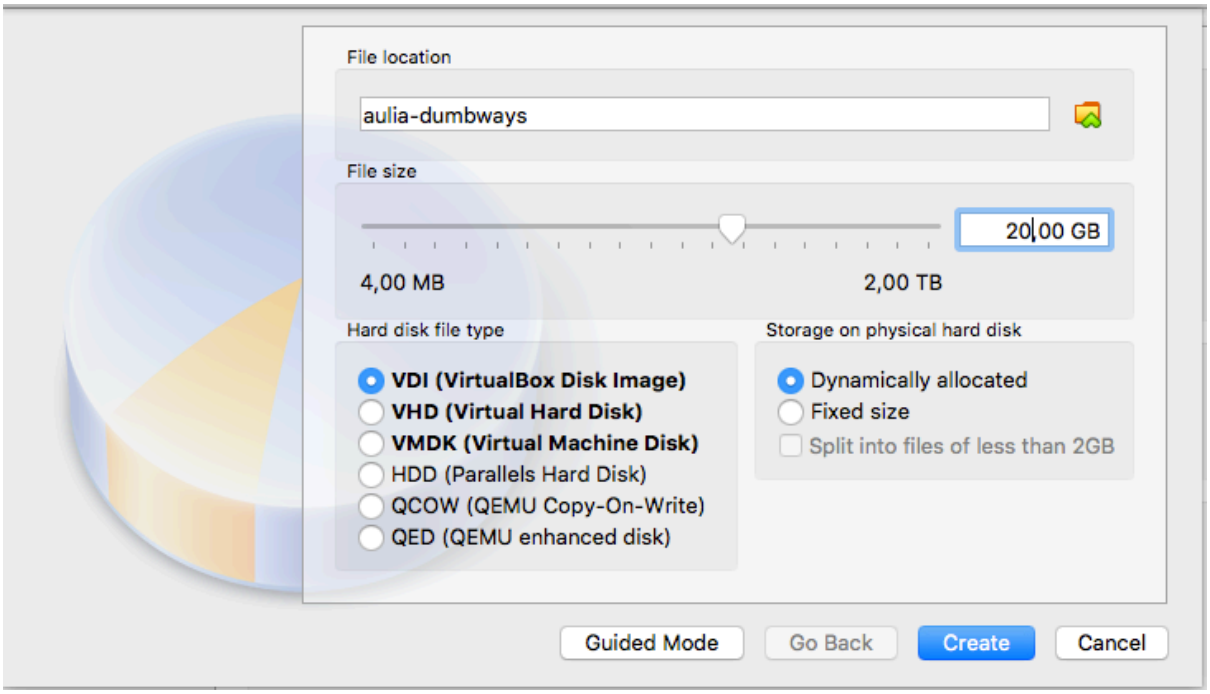
Instalasi Ubuntu Server 18.04 pada Virtual Box

1. Menyiapkan Virtual box dan Image ubuntu server 18.04

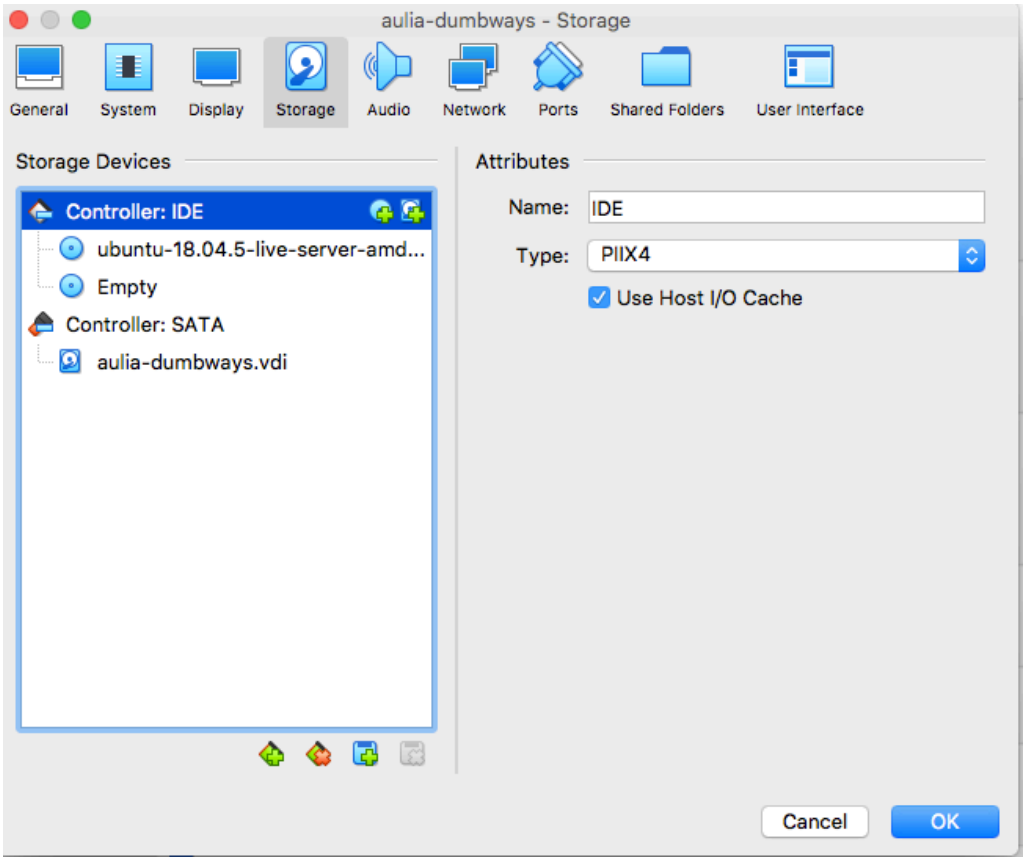
2. Disini akan di perlukan Nama OS , Penyimpanan Folder Os , Jenis Os dan versi Os serta alokasi Ram yang di perlukan , dan jenis penyimpanan



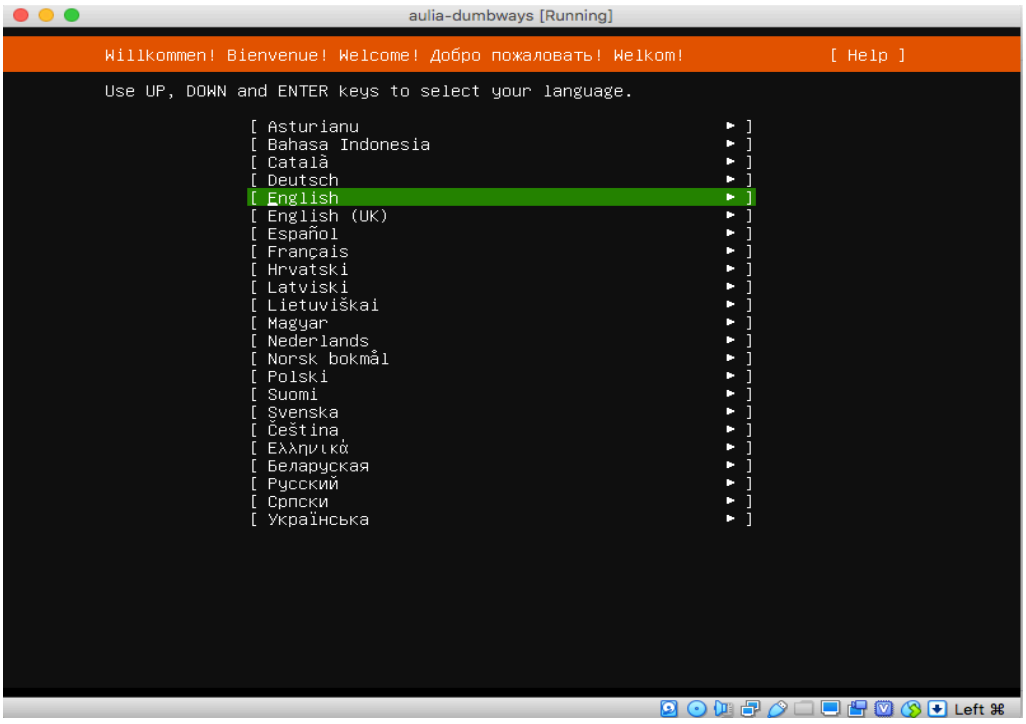
3. Menyiapkan jenis penyimpanan yang akan di pakai kita pilih saja virtual hdd serta penyimpanan type nya, Kita alokasi untuk penyimpanan 20GB.



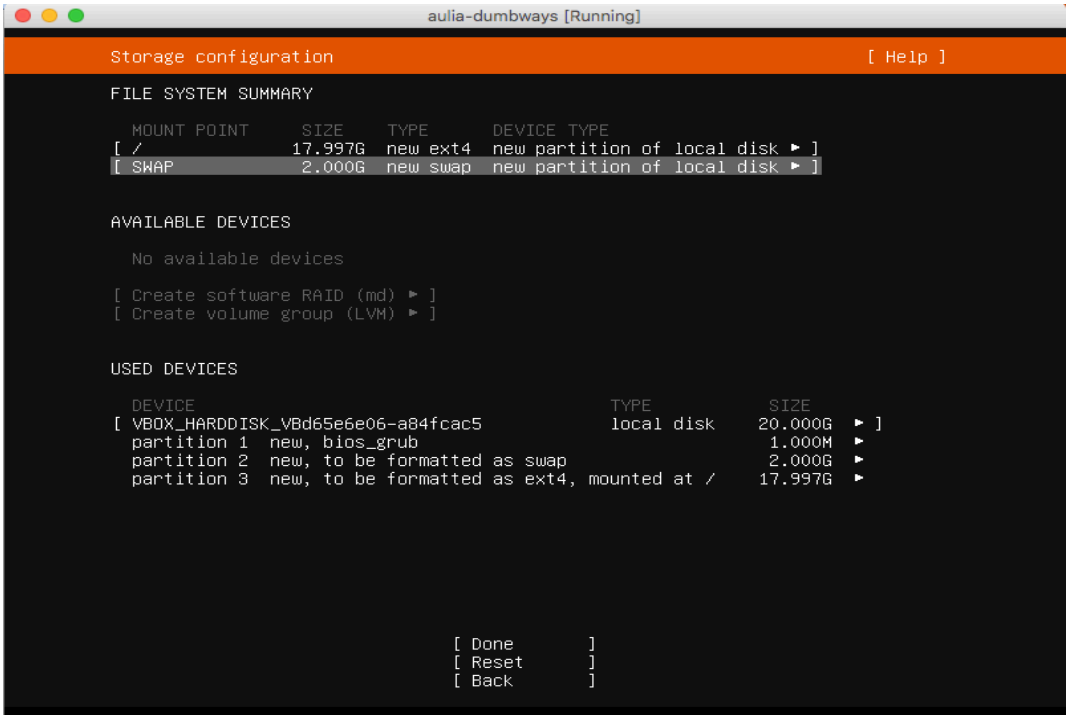
4. Tambahkan Image ubuntu 18.04 pada setting → strogage → add optical drive → load image



5. Pilih Bahasa disini menggunakan Bahasa English

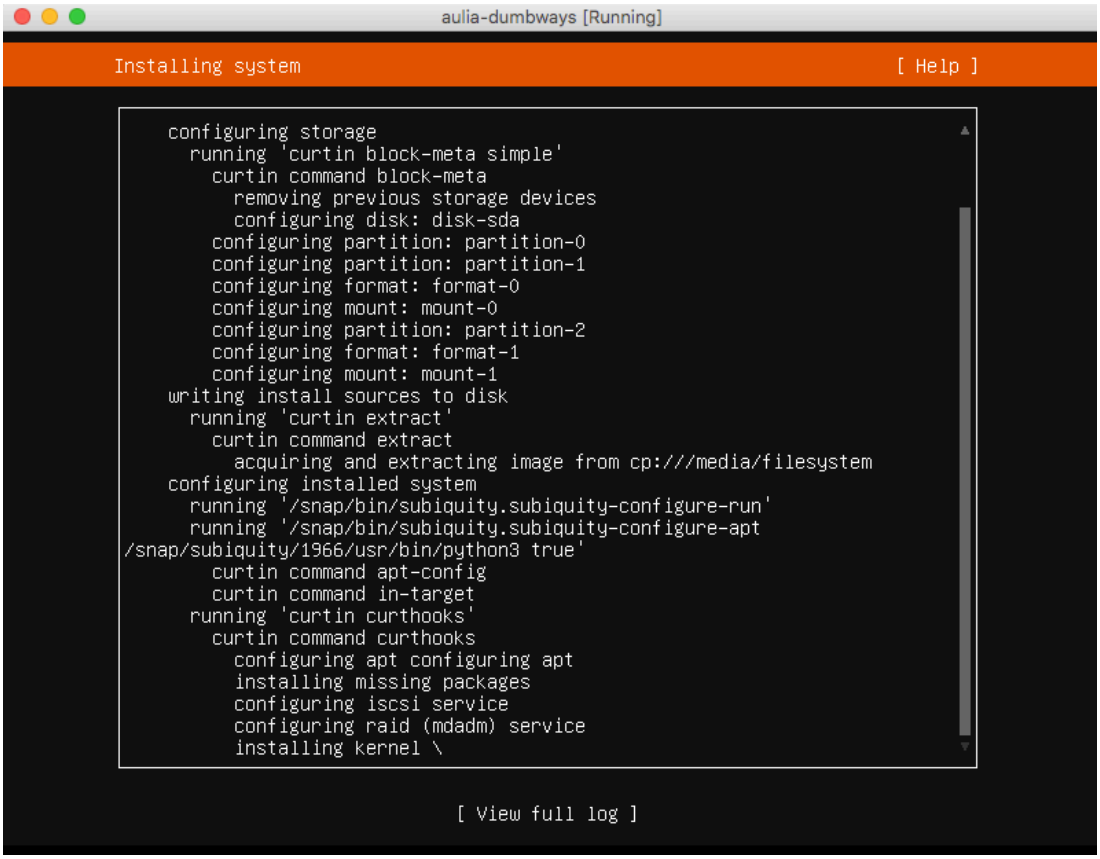


6. Lalu lakukan partisi hardisk manual dengan partisi swab dan /.



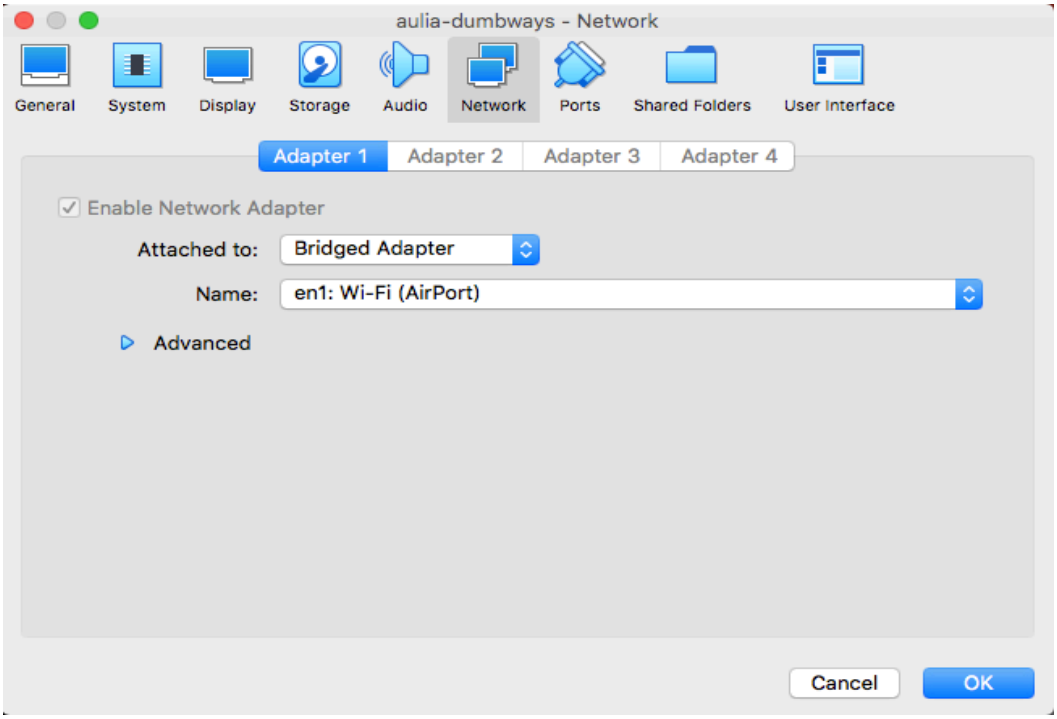
7. Isikan username password dan hostname

8. Tunggu Instalasi sampai selesai.

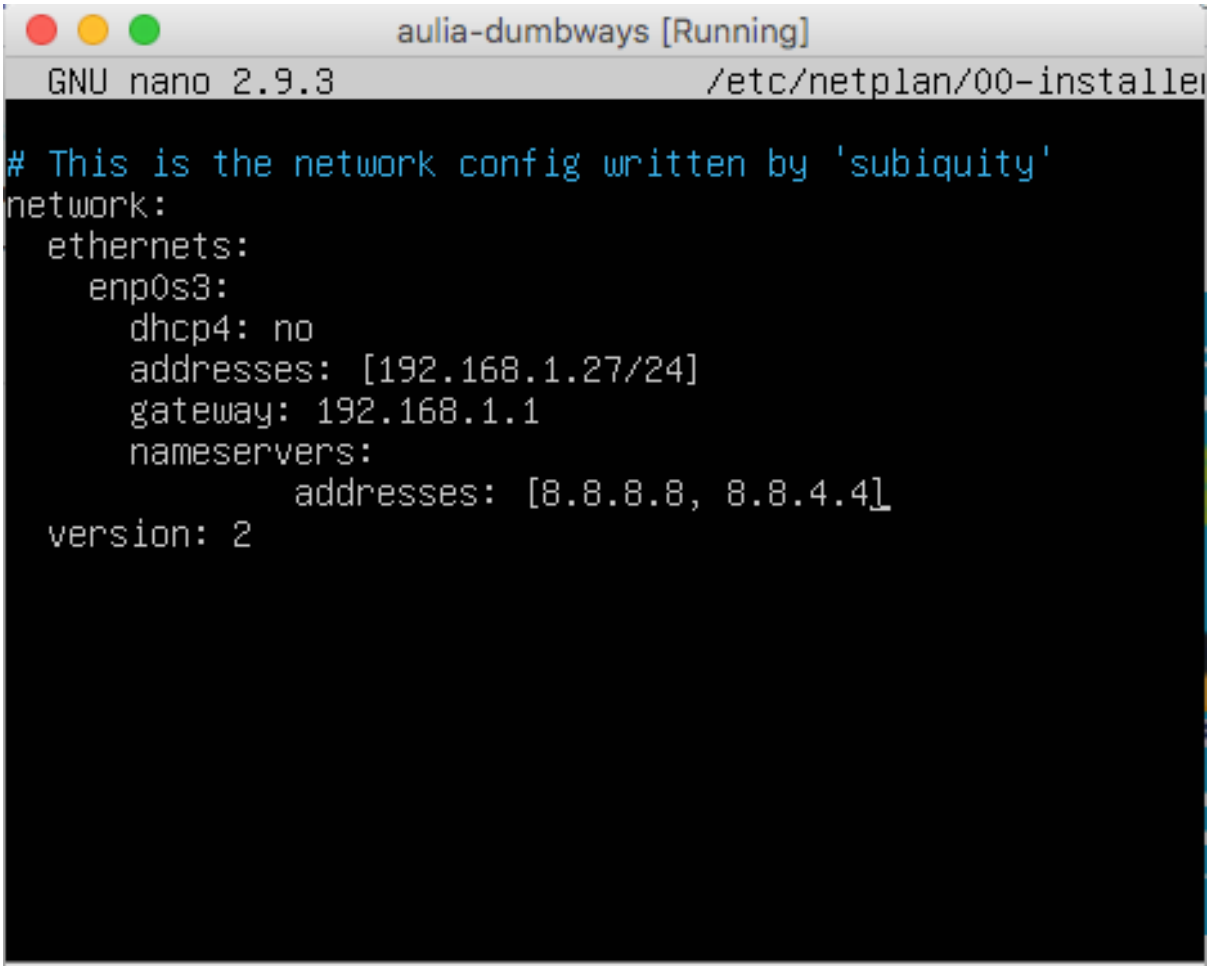


9. Tunggu Vm reboot dan coba masuk ke vm

10. Konfigurasi network agar dapat terhubung ke jaringan rubah dari jaringan Nat → Bridge (sesuaikan dengan interface wifi yang di pakai).



11. Menambahkan ip static untuk vm.



12. Lalu reboot dan netplan apply , coba ssh ke server denga ip static .

13. Lalukan Pacthing updgrade dan update.

```
aulia@ubuntu1804:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following NEW packages will be installed:
  linux-headers-4.15.0-134 linux-headers-4.15.0-134-generic
  linux-image-4.15.0-134-generic linux-modules-4.15.0-134-generic
  linux-modules-extra-4.15.0-134-generic motd-news-config
The following packages will be upgraded:
  accountsservice apport apt apt-utils base-files bcache-tools bind9-host
  bsdutils busybox-initramfs busybox-static ca-certificates cloud-init
  cryptsetup cryptsetup-bin curl dirmngr distro-info-data dnsmasq-base
  dnsutils fdisk gnupg gnupg-l10n gnupg-utils gpg gpg-agent gpg-wks-client
  gpg-wks-server gpgconf gpgsm gpgv grub-common grub-pc grub-pc-bin
  grub2-common initramfs-tools initramfs-tools-bin initramfs-tools-core
  intel-microcode krb5-locales libaccountsservice0 libapt-inst2.0
  libapt-pkg5.0 libaudit-common libaudit1 libbind9-160 libblkid1 libc-bin
  libc6 libcryptsetup12 libcurl3-gnutls libcurl4 libdns-export1100 libdns1100
  libfdisk1 libfreetype6 libgssapi-krb5-2 libirs160 libisc-export169 libisc169
  libisccc160 libisccfg160 libk5crypto3 libkrb5-3 libkrb5support0
  libldap-2.4-2 libldap-common liblwres160 libmount1 libnss-systemd
  libp11-kit0 libpam-modules libpam-modules-bin libpam-runtime libpam-systemd
```

14. Lakukan Proses instalasi node & npm serta web service.

```
aulia@ubuntu1804:~$ sudo apt-get install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjbig0
  libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx-common
  nginx-core
Suggested packages:
  libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjbig0
  libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx
  nginx-common nginx-core
0 upgraded, 18 newly installed, 0 to remove and 0 not upgraded.
```


```
aulia@ubuntu1804:~$ sudo apt-get install nodejs
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libc-ares2 libhttp-parser2.7.1 nodejs-doc
The following NEW packages will be installed:
  libc-ares2 libhttp-parser2.7.1 nodejs nodejs-doc
0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 5606 kB of archives.
After this operation, 24.7 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

```
aulia@ubuntu1804:~$ nodejs -v
v10.23.1
aulia@ubuntu1804:~$ npm -v
6.14.10
aulia@ubuntu1804:~$
```

15. Kemudian clone https://github.com/sgnd/library-frontend

```
aulia@ubuntu1804:~$ git clone https://github.com/sgnd/library-frontend
Cloning into 'library-frontend'...
remote: Enumerating objects: 306, done.
remote: Counting objects: 100% (306/306), done.
remote: Compressing objects: 100% (197/197), done.
remote: Total 306 (delta 162), reused 238 (delta 100), pack-reused 0
Receiving objects: 100% (306/306), 5.03 MiB | 1.46 MiB/s, done.
Resolving deltas: 100% (162/162), done.
```

16. Masuk ke direktori library-frontend lalu install npm dan jalankan.

```
aulia@ubuntu1804:~/library-frontend$ npm install

> node-sass@4.14.1 install /home/aulia/library-frontend/node_modules/node-sass
> node scripts/install.js

Downloading binary from https://github.com/sass/node-sass/releases/download/v4.1
4.1/linux-x64-64_binding.node
[                ] - :
```

17. Cek Aplikasi yang telah di jalankan di server