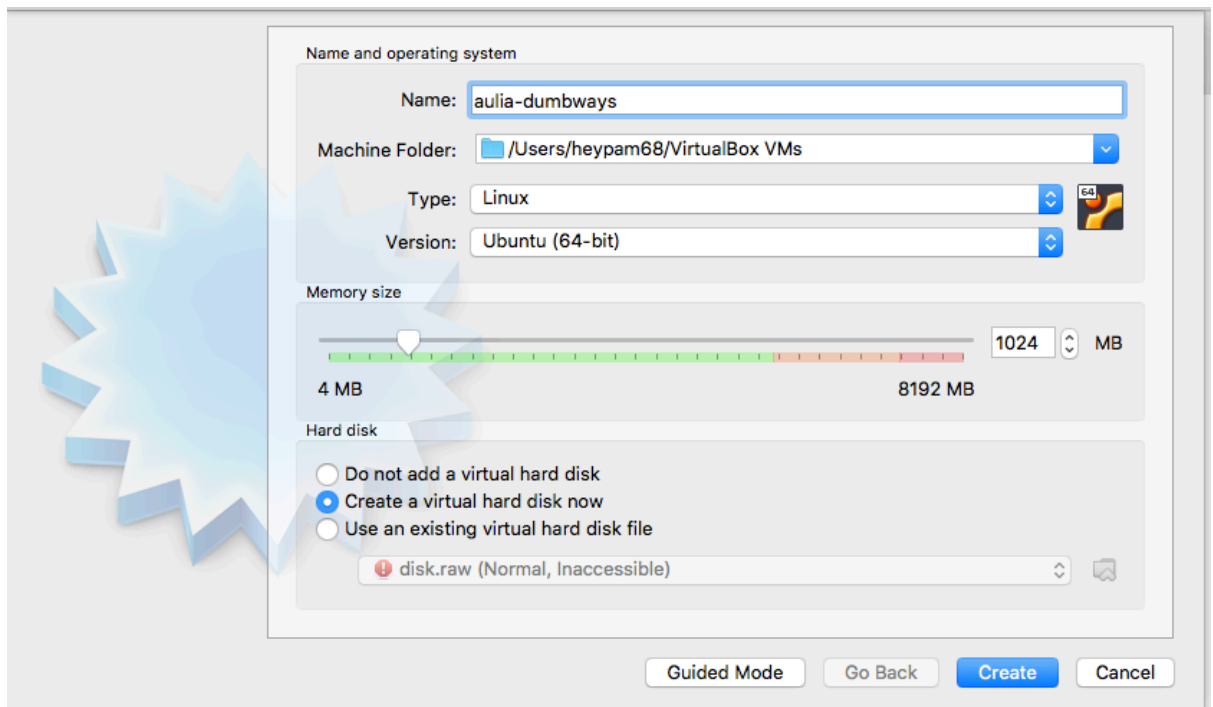
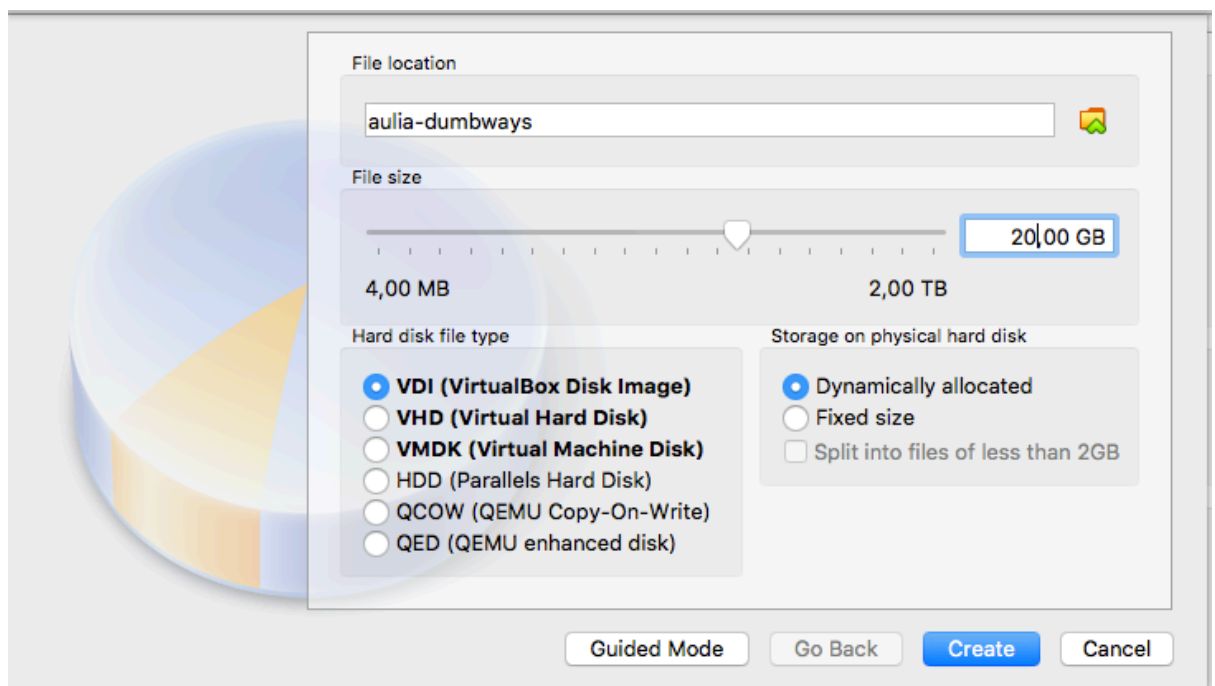


# Instalasi Ubuntu Server 18.04 pada Virtual Box

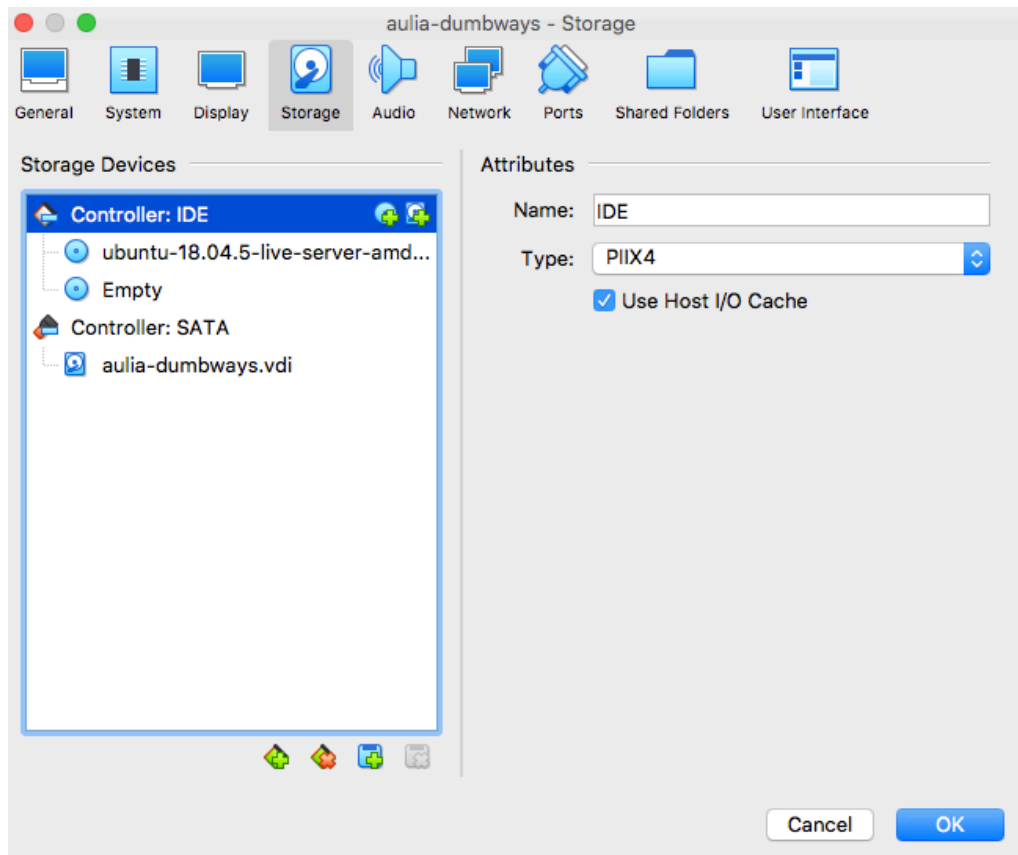
1. Menyiapkan Virtual box dan Image ubuntu server 18.04
2. Disini akan di perlukan Nama OS , Penyimpanan Folder Os , Jenis Os dan versi Os serta alokasi Ram yang di perlukan , dan jenis penyimpanan



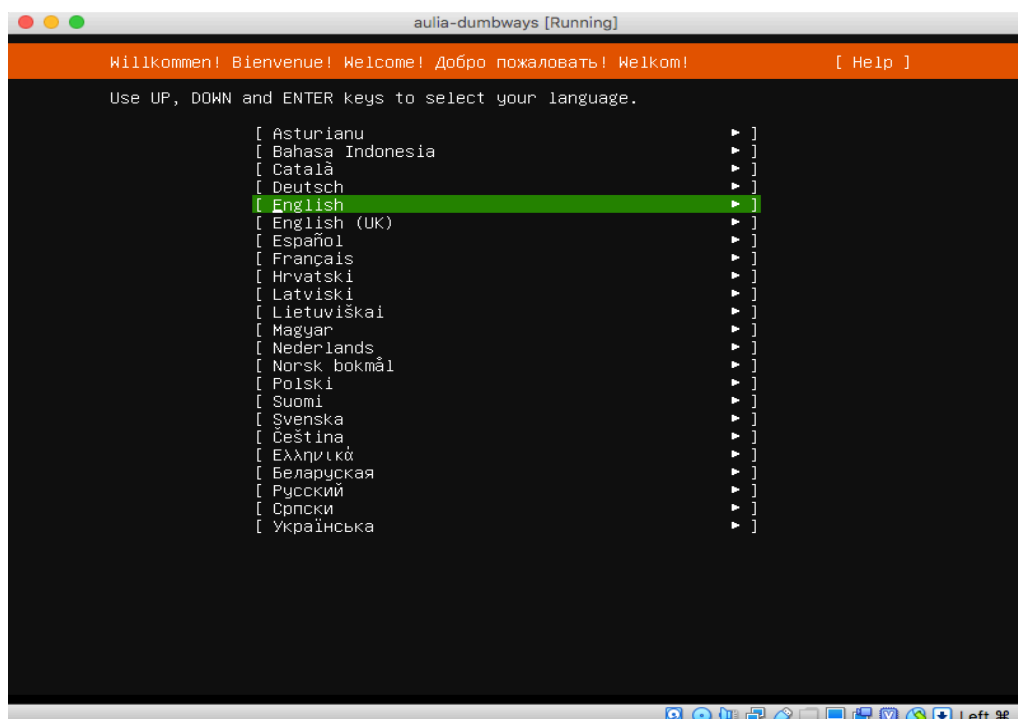
3. Menyiapkan jenis penyimpanan yang akan di pakai kita pilih saja virtual hdd serta penyimpanan type nya, Kita alokasi untuk penyimpanan 20GB.



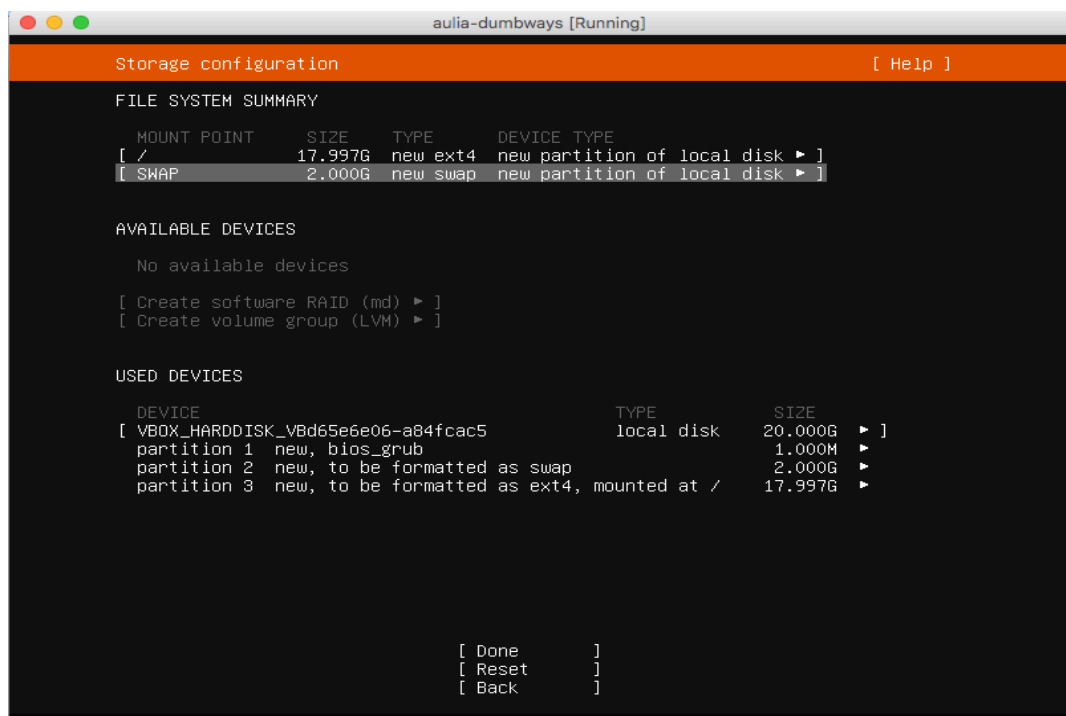
4. Tambahkan Image ubuntu 18.04 pada setting → storage → add optical drive → load image



5. Pilih Bahasa disini menggunakan Bahasa English



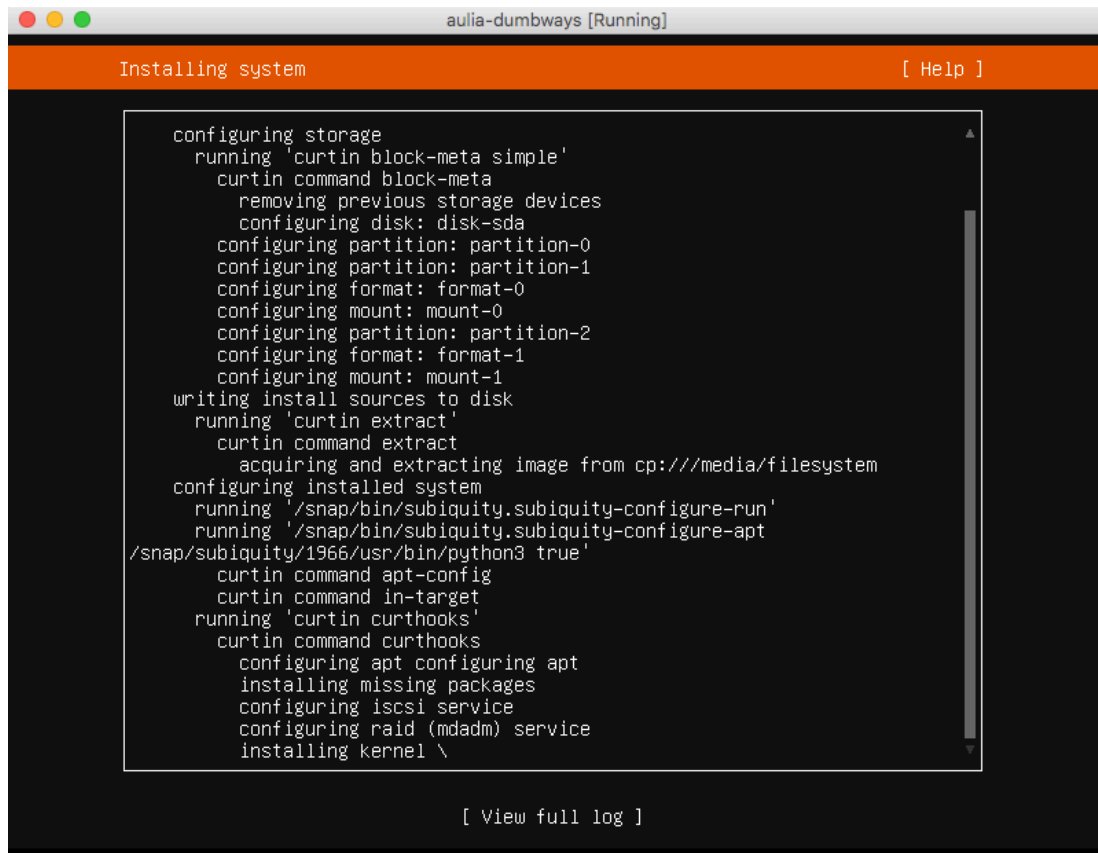
6. Lalu lakukan partisi hardisk manual dengan partisi swab dan /.



7. Isikan username password dan hostname



8. Tunggu Instalasi sampai selesai.

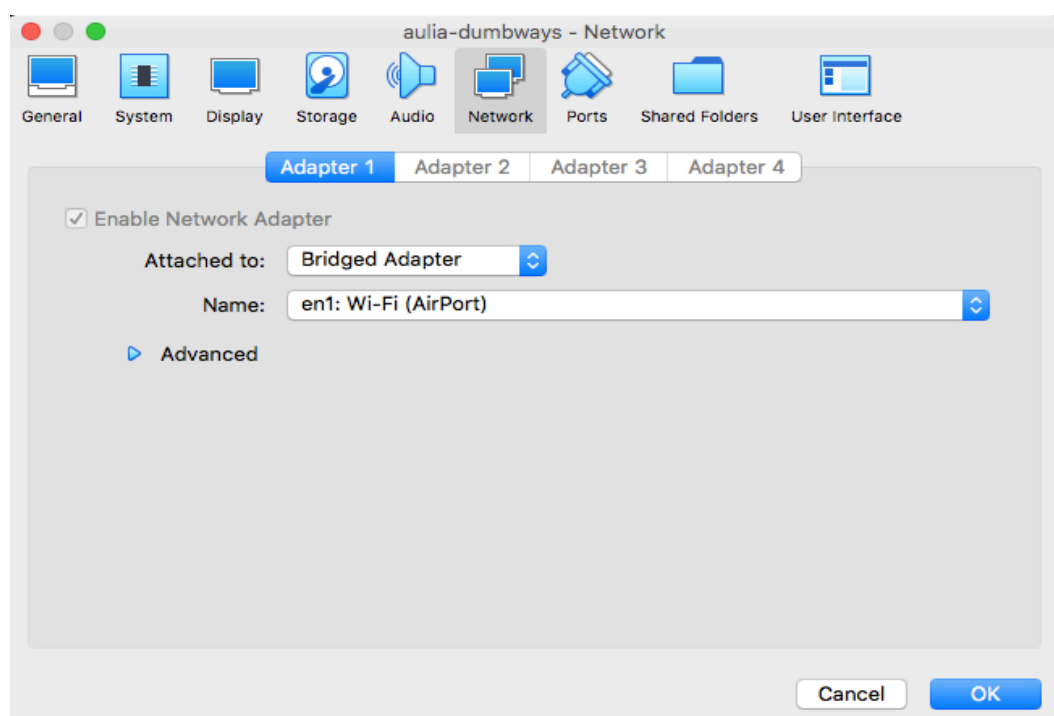


```
configuring storage
  running 'curtin block-meta simple'
    curtin command block-meta
      removing previous storage devices
      configuring disk: disk-sda
      configuring partition: partition-0
      configuring partition: partition-1
      configuring format: format-0
      configuring mount: mount-0
      configuring partition: partition-2
      configuring format: format-1
      configuring mount: mount-1
writing install sources to disk
  running 'curtin extract'
    curtin command extract
      acquiring and extracting image from cp:///media/filesystem
configuring installed system
  running '/snap/bin/subiquity.subiquity-configure-run'
  running '/snap/bin/subiquity.subiquity-configure-apt'
/snap/subiquity/1966/usr/bin/python3 true'
  curtin command apt-config
  curtin command in-target
  running 'curtin curthooks'
  curtin command curthooks
    configuring apt
    configuring apt
    installing missing packages
    configuring iscsi service
    configuring raid (mdadm) service
    installing kernel \
```

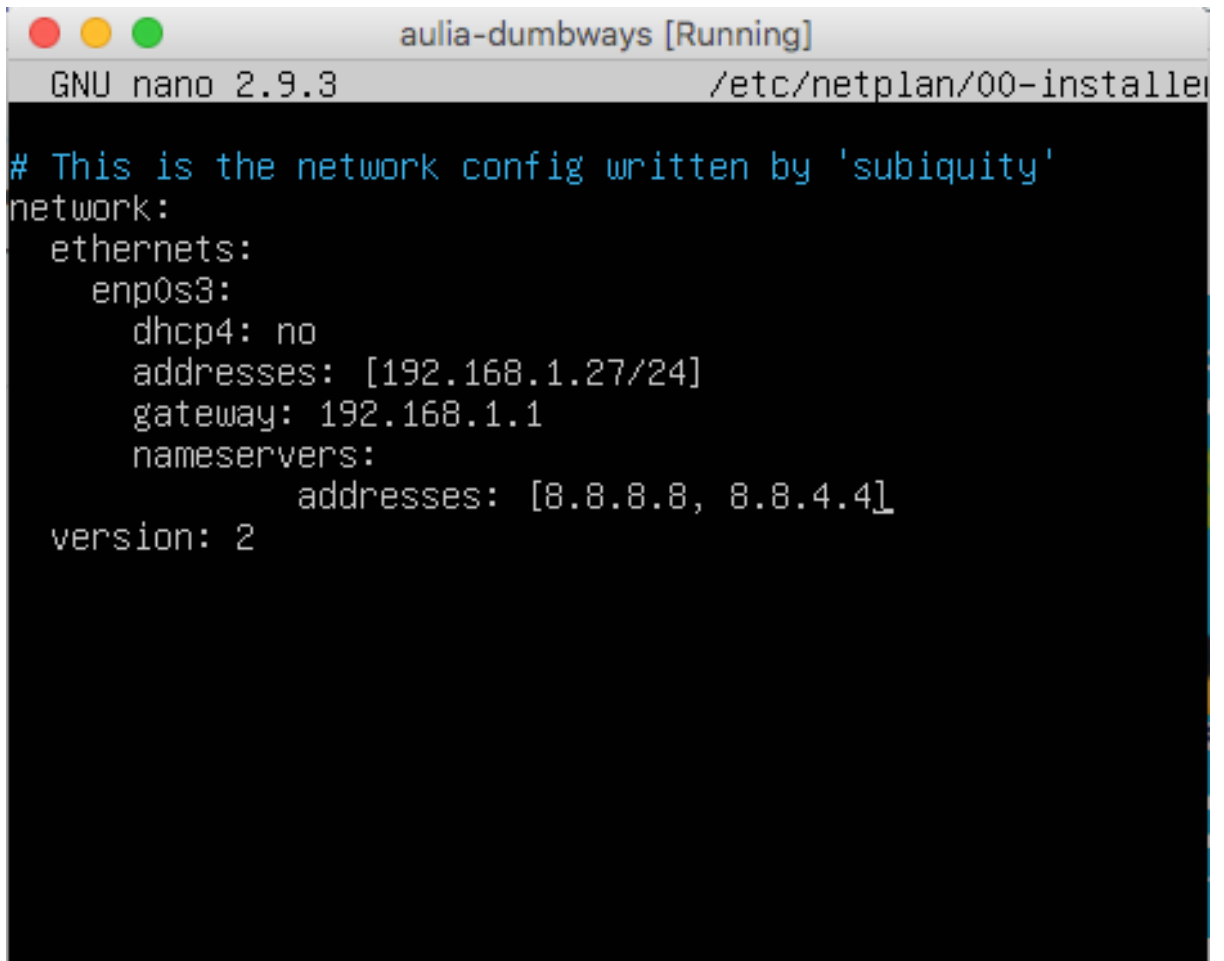
[ View full log ]

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.

A screenshot of a terminal window titled 'aulia-dumbways [Running]'. The window shows the GNU nano 2.9.3 editor editing the file /etc/netplan/00-installer.yaml. The content of the file is a network configuration for 'ethernets' with an interface 'enp0s3' set to static IP 192.168.1.27/24, gateway 192.168.1.1, and DNS servers 8.8.8.8 and 8.8.4.4. The version is 2.

```
aulia-dumbways [Running]
GNU nano 2.9.3 /etc/netplan/00-installer.yaml

# This is the network config written by 'subiquity'
network:
  ethernets:
    enp0s3:
      dhcp4: no
      addresses: [192.168.1.27/24]
      gateway: 192.168.1.1
      nameservers:
        addresses: [8.8.8.8, 8.8.4.4]
  version: 2
```

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

13. Lalukan Pacthing upgrade dan update.

A screenshot of a terminal window showing the output of the 'sudo apt update' command. The output lists several updates from the Ubuntu archive, including bionic InRelease, bionic-updates InRelease, bionic-backports InRelease, bionic-security InRelease, bionic/restricted amd64 Packages, bionic/restricted Translation-en, and bionic/universe amd64 Packages. The progress bar shows 28% completion for the 7 packages.

```
Last login: Tue Jan 26 11:58:50 2021
[aulia@ubuntu1804:~]$ sudo apt update
[[sudo] password for aulia:
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:5 http://id.archive.ubuntu.com/ubuntu bionic/restricted amd64 Packages [9184 B]
Get:6 http://id.archive.ubuntu.com/ubuntu bionic/restricted Translation-en [3584 B]
Get:7 http://id.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
28% [7 Packages 3595 kB/8570 kB 42%]
```

```
[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 liblwpres160 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 libjpeg8
  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 libjpeg8
  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.
```

← → ↻ Not Secure 192.168.1.4 ☆ ⚙ ⌵ 👤 :  
 Apps AWS Management... Belajar Coding da... AWS Certified Clo... Dashboard Siswa... Dashboard - Pixel... Hacking Playgrou... Typing practice Pitch »

## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
 Commercial support is available at [nginx.com](http://nginx.com).

Thank you for using nginx.

```
[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-frontent>

```
[aulia@ubuntu1804:~$ git clone https://github.com/sgnd/library-frontent
Cloning into 'library-frontent'...
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-frontent lalu install npm dan jalankan.

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

> node-sass@4.14.1 install /home/aulia/library-frontent/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

