

Pengenalan Vmware Workstation Dan Linux

Nama : Rifky Izha Salasta

NIM : 123170032

1. Pengenalan vmware WS

Vmware

Belajar membuat layanan hosting

Konsep aplikasi :

- Virtual OS
- VMware WS
- OS komputer lab
- HW Fisik Komp lab

VMWare : Untuk virtualisasi OS

Virtualisasi : Menciptakan versi virtual sesuatu

Fasilitas swap digunakan untuk menjalankan VM yang tidak memiliki RAM yang cukup

Settingnya di bagian preference

Ketika setelah menginstal vm akan membuat xampp error

Preference → shared vms → disable

2. Linux

C → iso library

Alt prmt scr → prntscrn

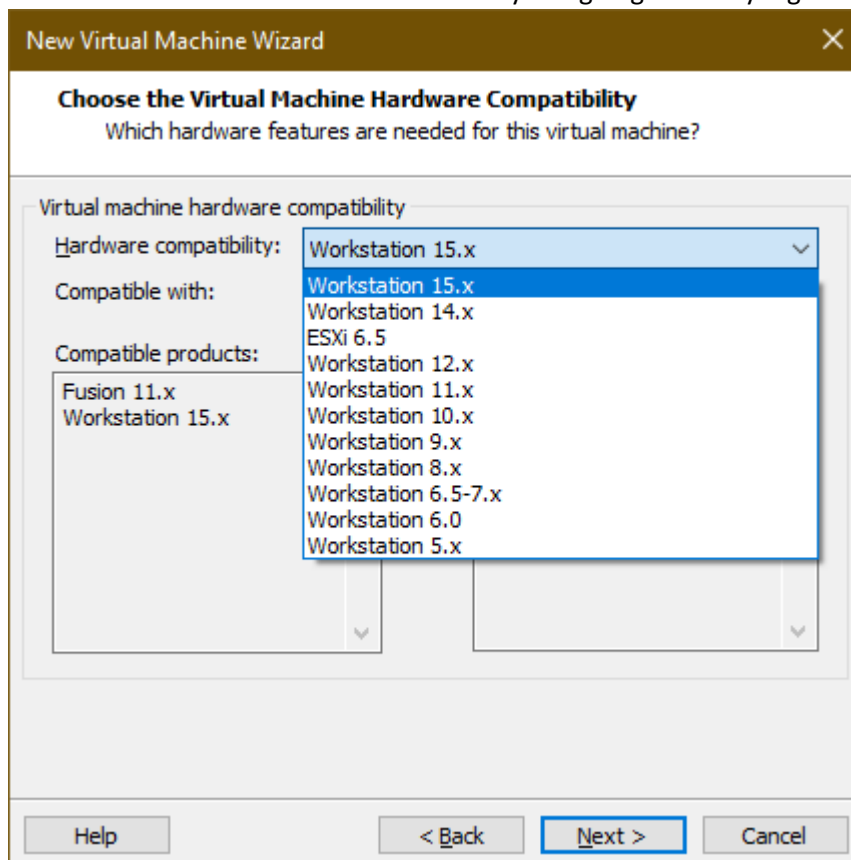
Saat melakukan proses install di ss sama kasih penjelasan singkat

- Install



Custom

- Pilih workstation 15.x karena ubuntu yang baru



- Tentukan isonya

New Virtual Machine Wizard [X]

Guest Operating System Installation
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:
DVD RW Drive (F:) [v]

☒ **Installer disc image file (iso):**
C:\ISO Library\ubuntu-18.10-live-server-amd64.iso [v] [Browse...]
☐ Ubuntu 64-bit Server 18.10 detected.
 This operating system will use Easy Install. [\(What's this?\)](#)

☐ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

[Help] [< Back] [**Next >**] [Cancel]

- Isi data penginstallan aaa

New Virtual Machine Wizard [X]

Easy Install Information
This is used to install Ubuntu 64-bit.

Personalize Linux

Full name: []

User name: []

Password: []

Confirm: []

[Help] [< Back] [**Next >**] [Cancel]

- Pemberian nama

New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:
Ubuntu LAMPP 123170032

Location:
D:\VM-123170032\Ubuntu LAMPP Browse...

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

- Pemberian parameter

New Virtual Machine Wizard

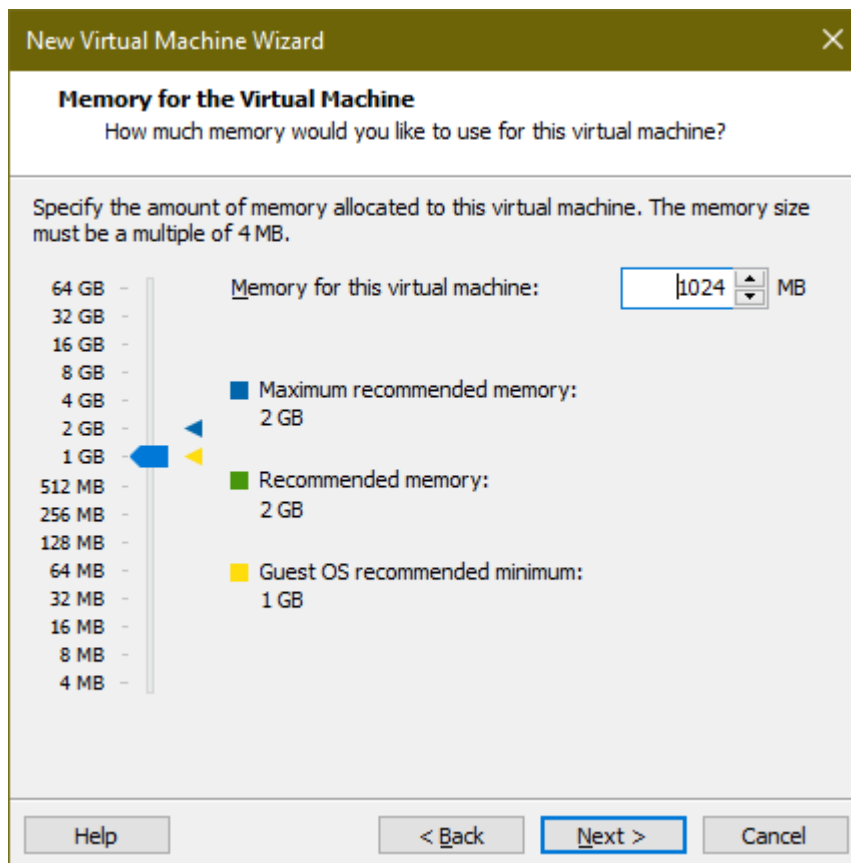
Processor Configuration
Specify the number of processors for this virtual machine.

Processors

Number of processors:	2
Number of cores per processor:	1
Total processor cores:	2

Help < Back Next > Cancel

- Tentukan RAM jadi 1 GB



- Rakit mode jaringan NAT
Jika pilih bridge mendapat ip yang sama dengan pertemuan kemarin jadi bisa diakses komputer lain
NAT mendapat ip yang berbeda

New Virtual Machine Wizard

Network Type
What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel

- Pilih I/O controller

New Virtual Machine Wizard

Select I/O Controller Types
Which SCSI controller type would you like to use?

I/O controller types

SCSI Controller:

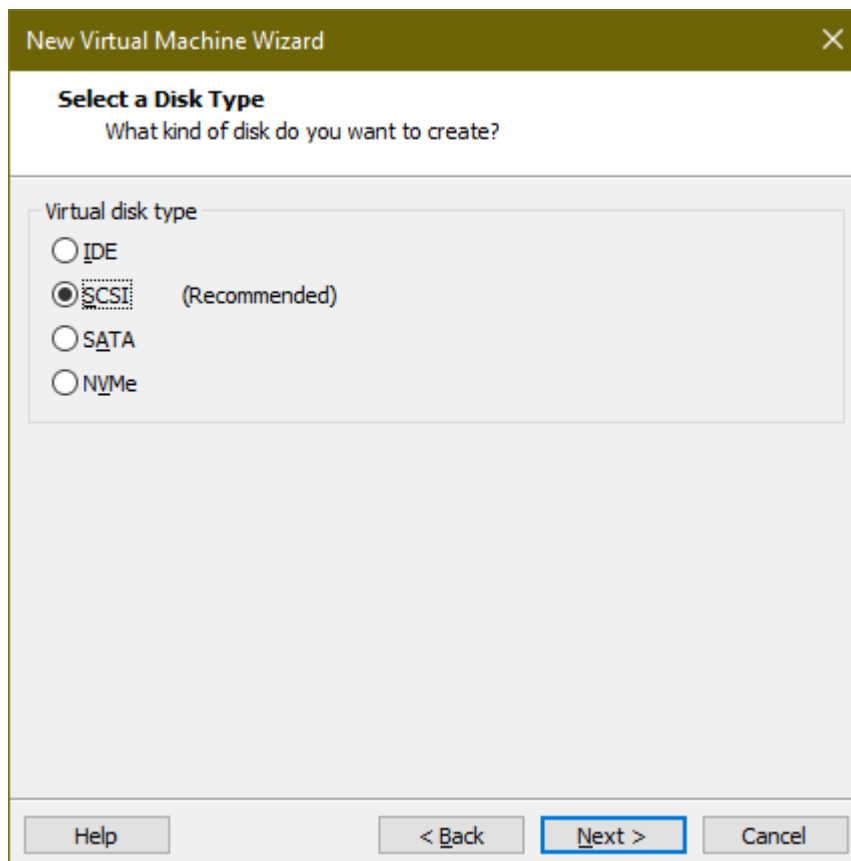
☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic (Recommended)

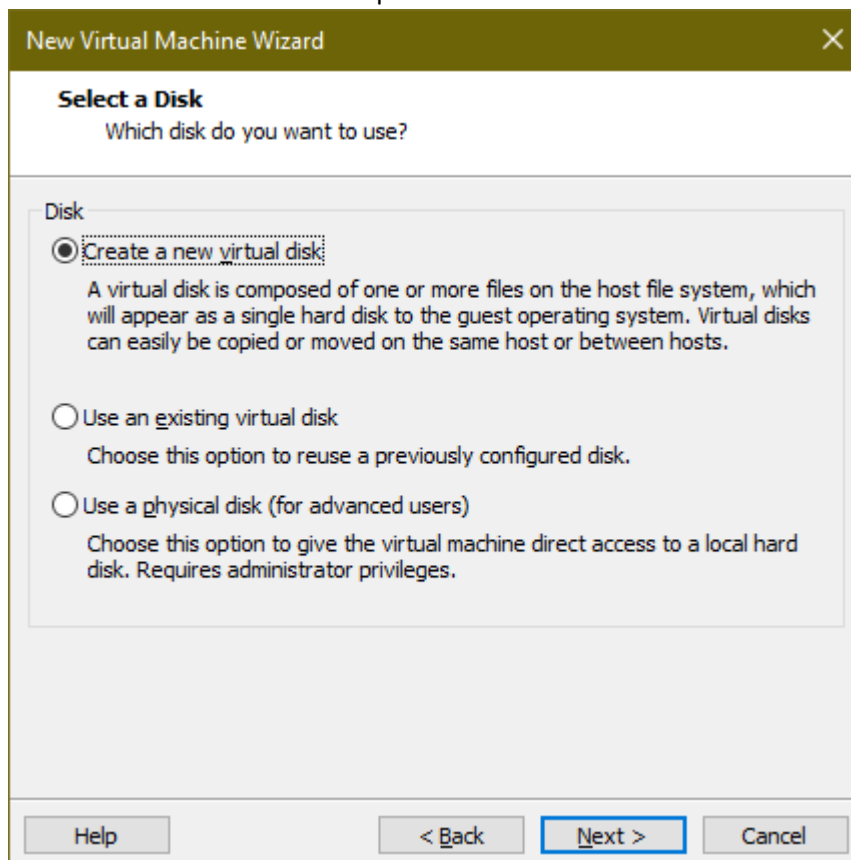
☐ LSI Logic SAS

Help < Back Next > Cancel

- Pilih type disk



- Tentukan disk mau buat baru apa pilih yang sudah di buat
Pilih create new karena belum pernah di buat



- Pilih kapasitas disk 20gb ppilih mode split : file yang tidak cukup bisa di potong2

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB):

Recommended size for Ubuntu 64-bit: 20 GB

☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back Next > Cancel

- Konfirmasi penamaan

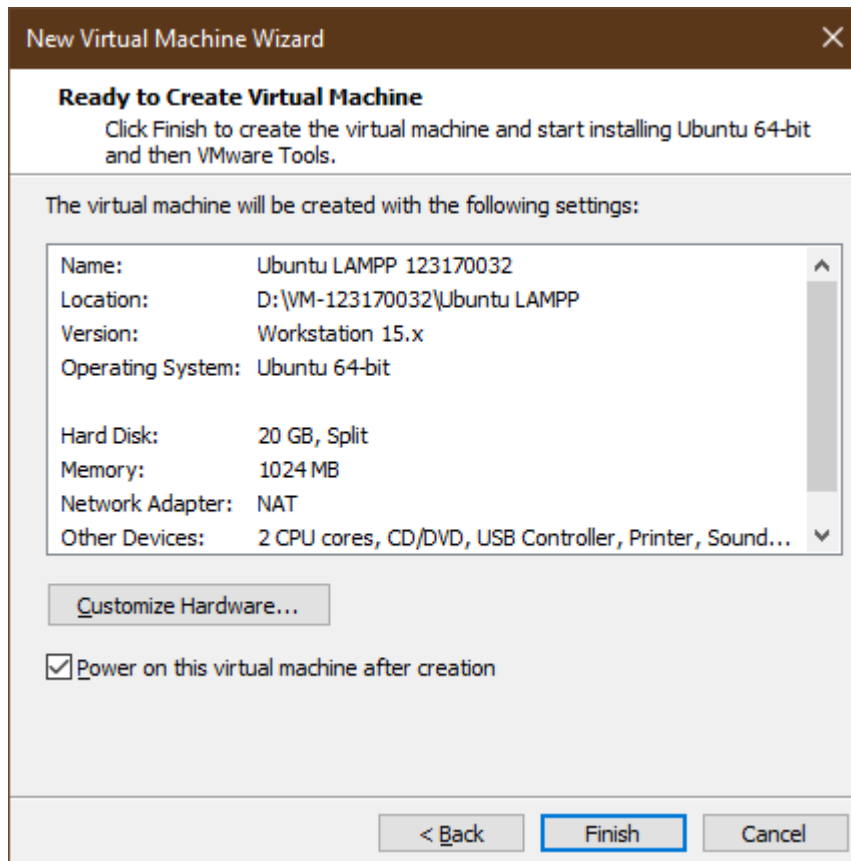
New Virtual Machine Wizard

Specify Disk File
Where would you like to store the disk file?

Disk file
A 20 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.

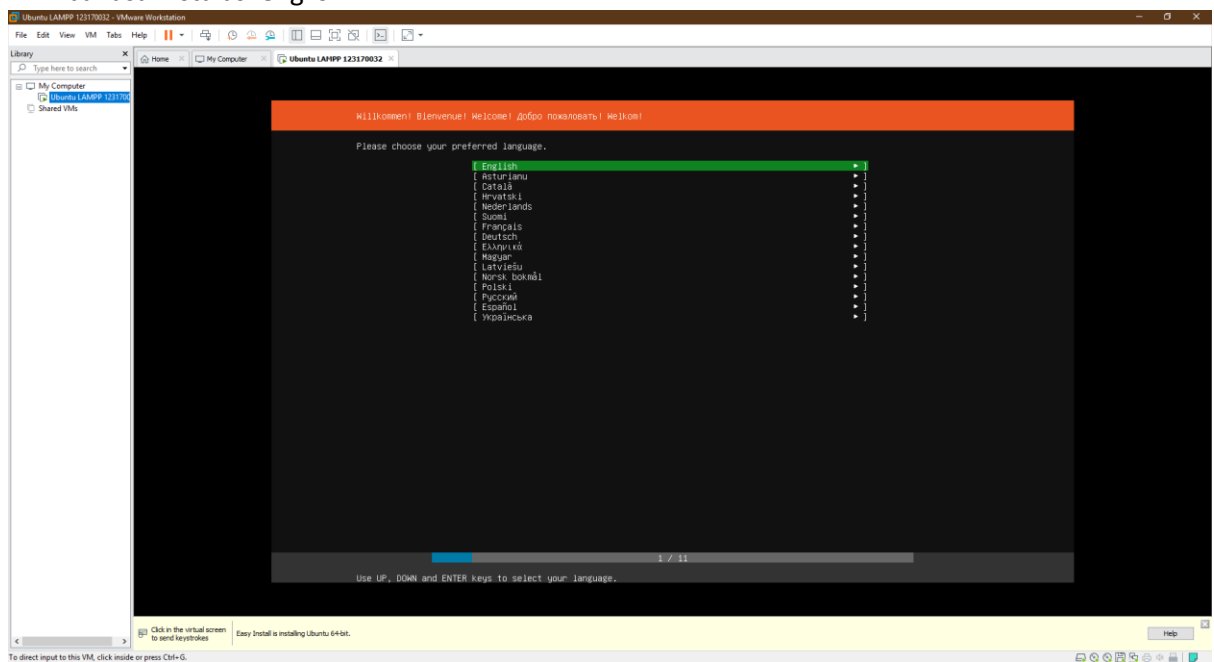
Browse...

Help < Back Next > Cancel

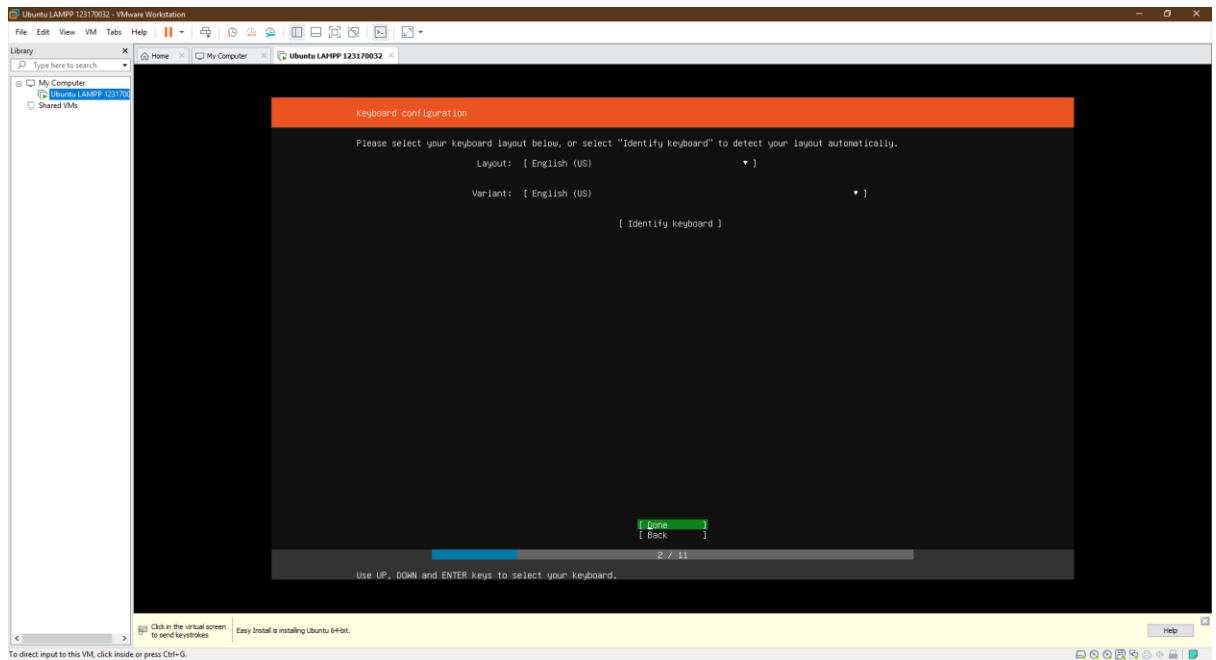


Instalasi OS

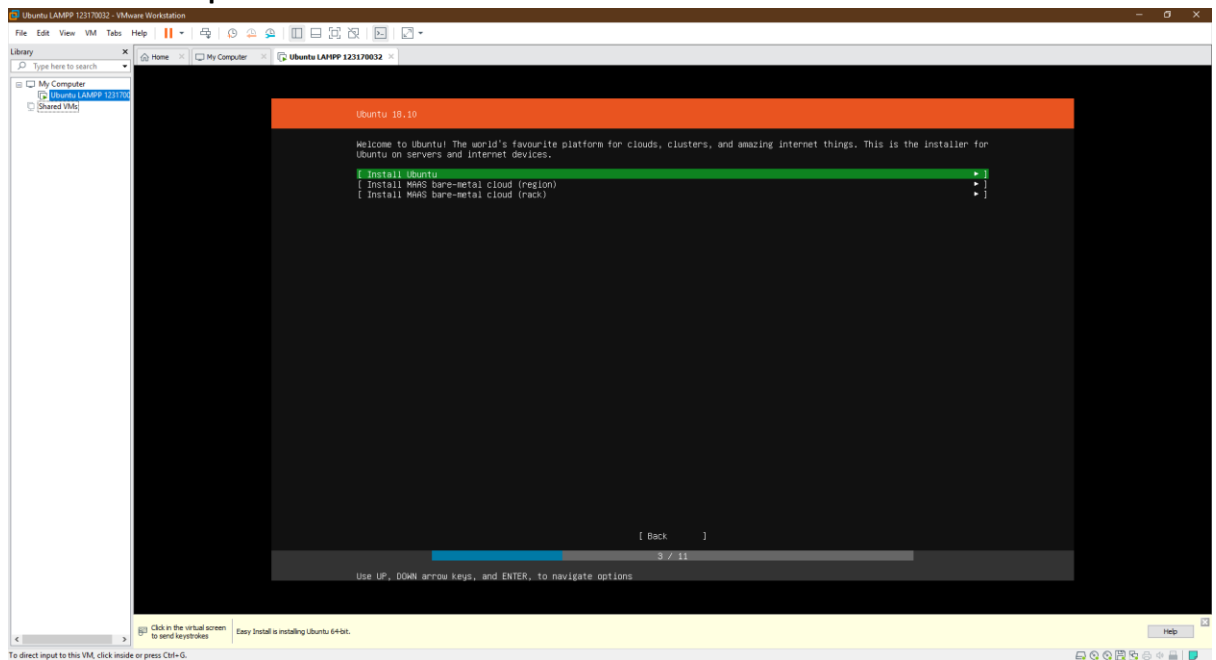
- Klik biar bisa di gerakan
- Untuk keluar ctrl-alt
- Pilih bahasa instalasi english



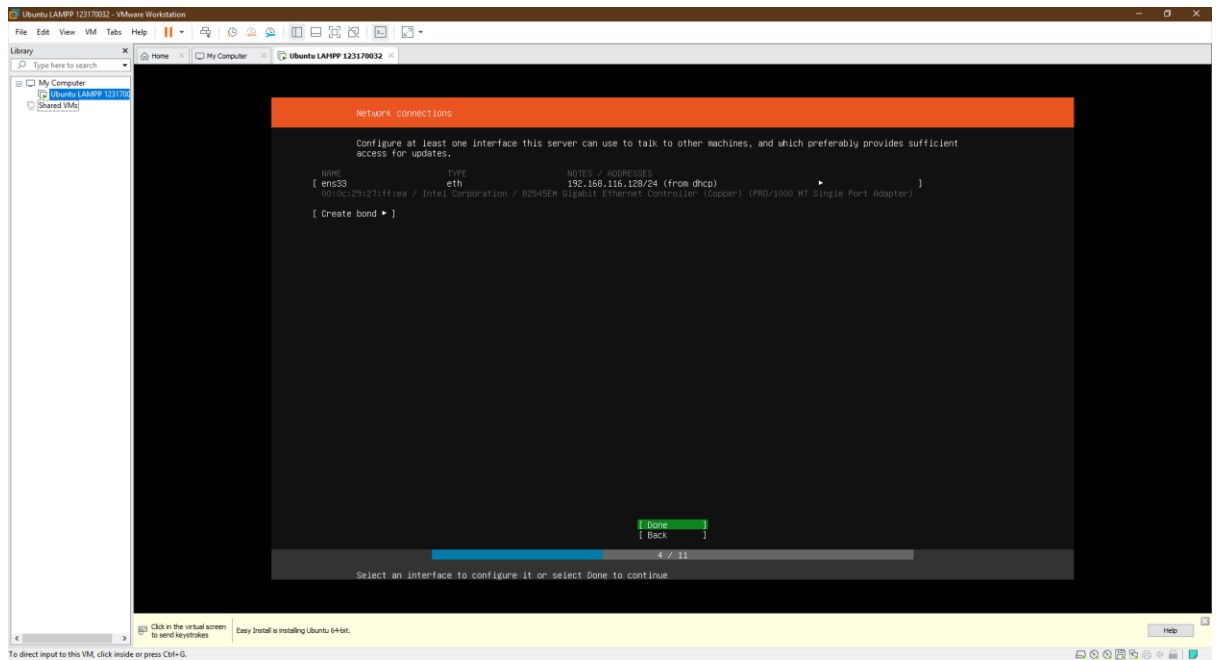
- Atur keyboard layout



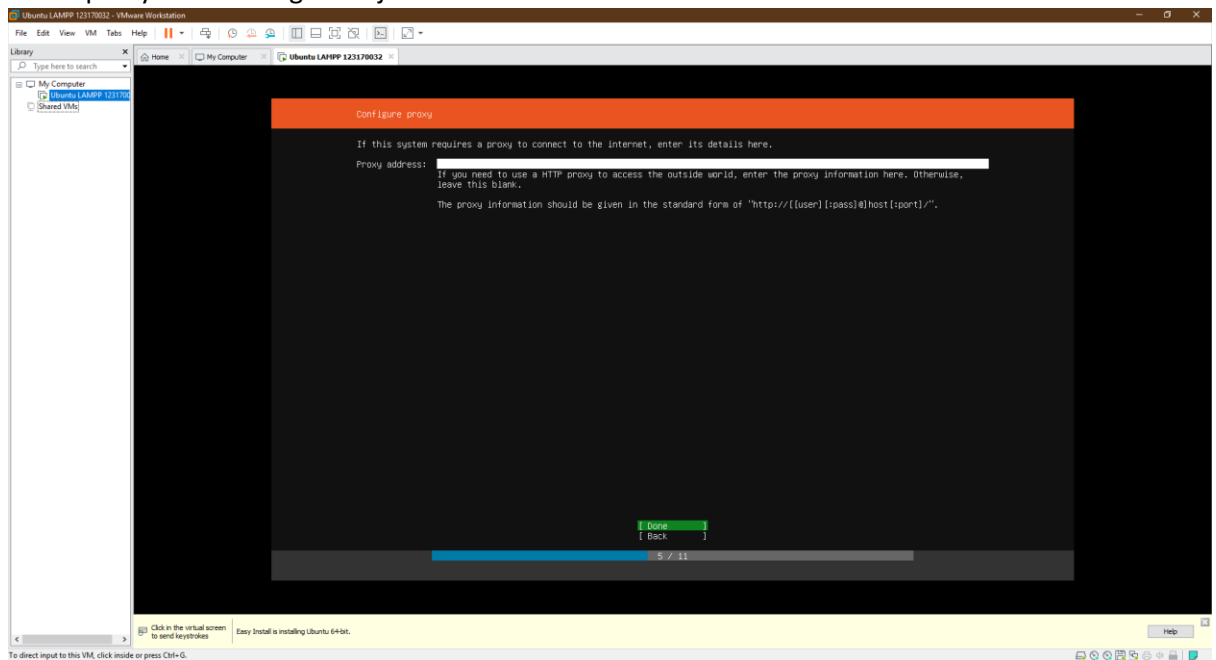
- **Pilih instalasi seperti biasa**



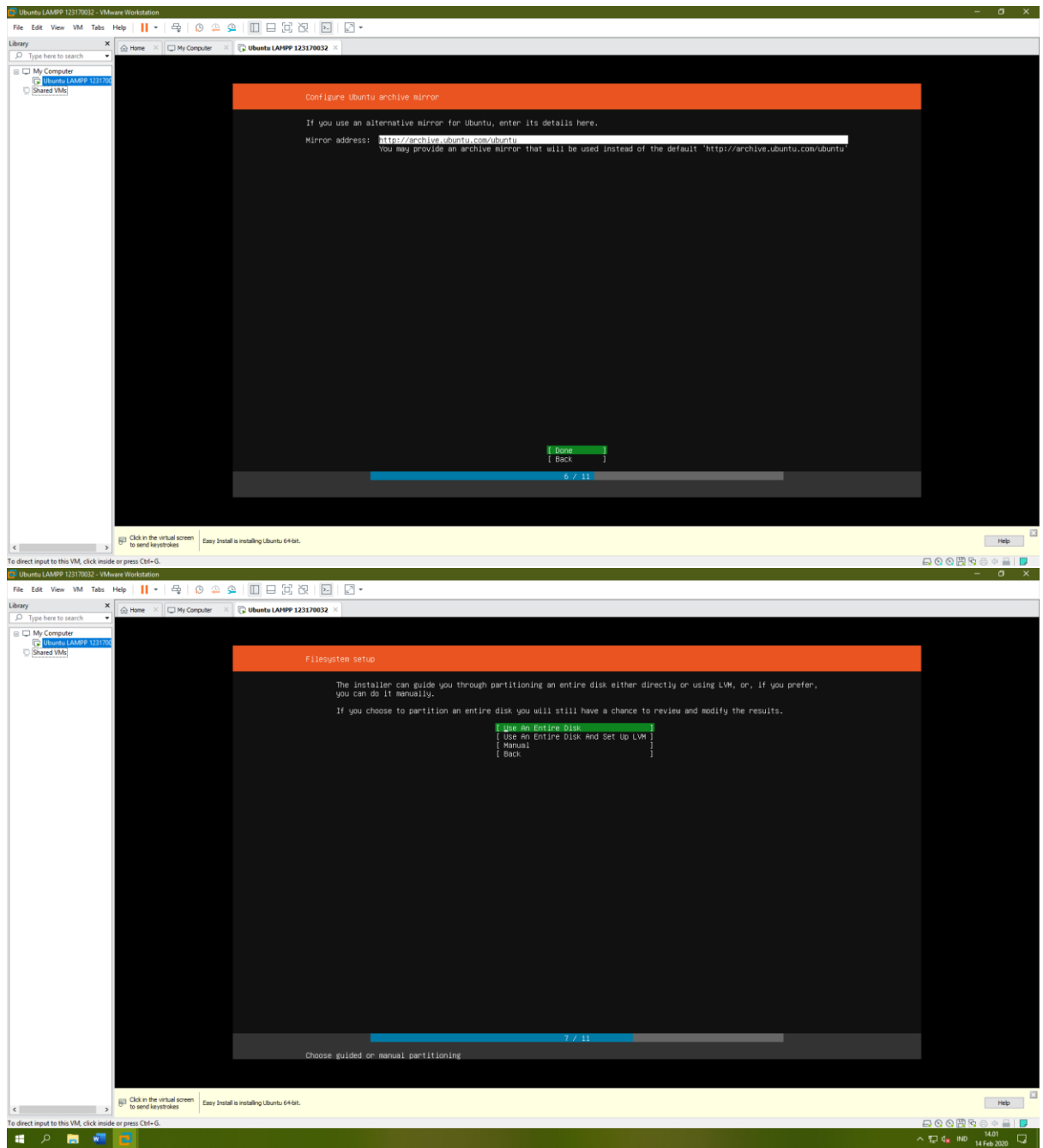
- **Akan tampil IP dari mode nat**



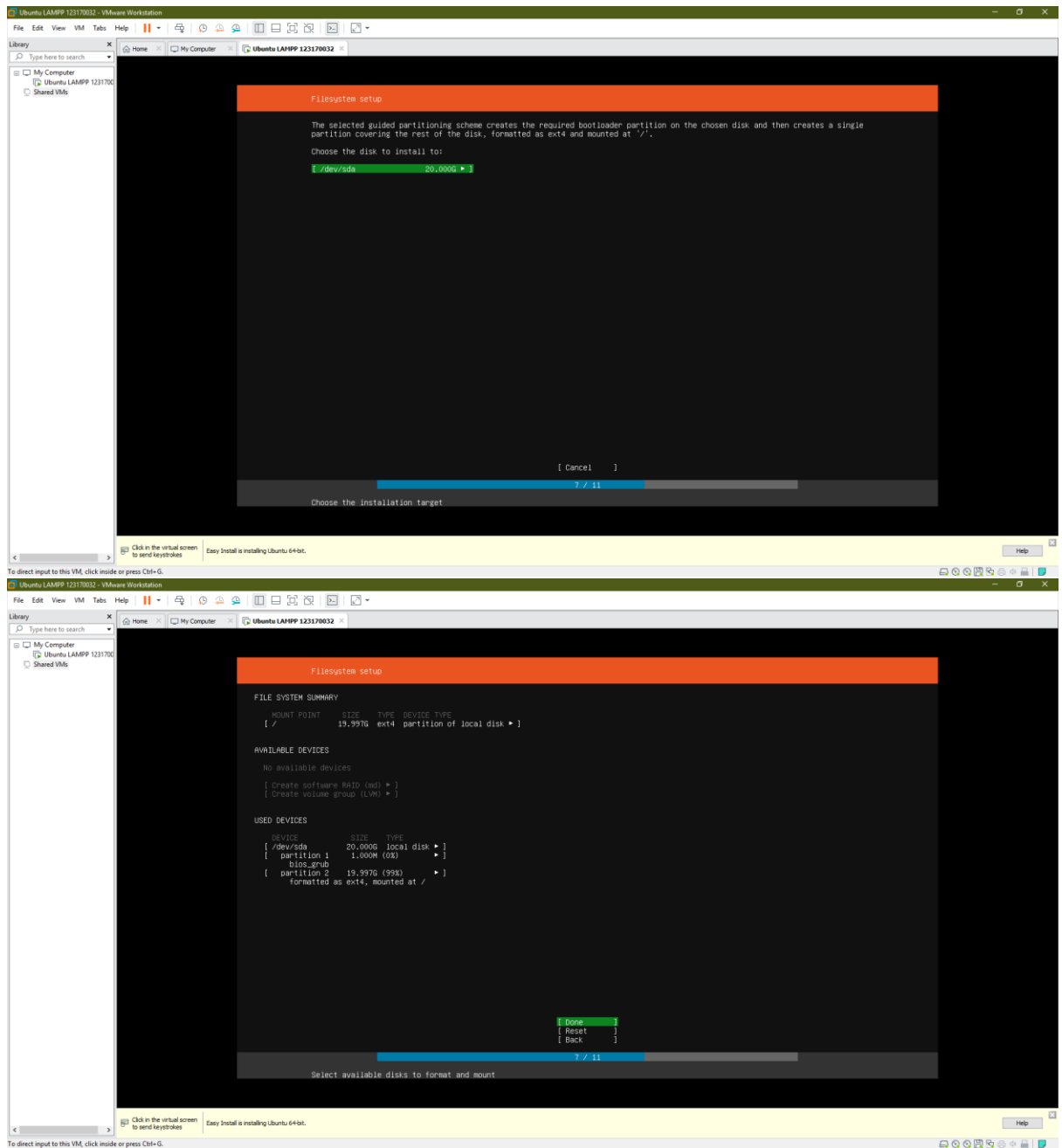
- Menu proxy conf kosongkan saja



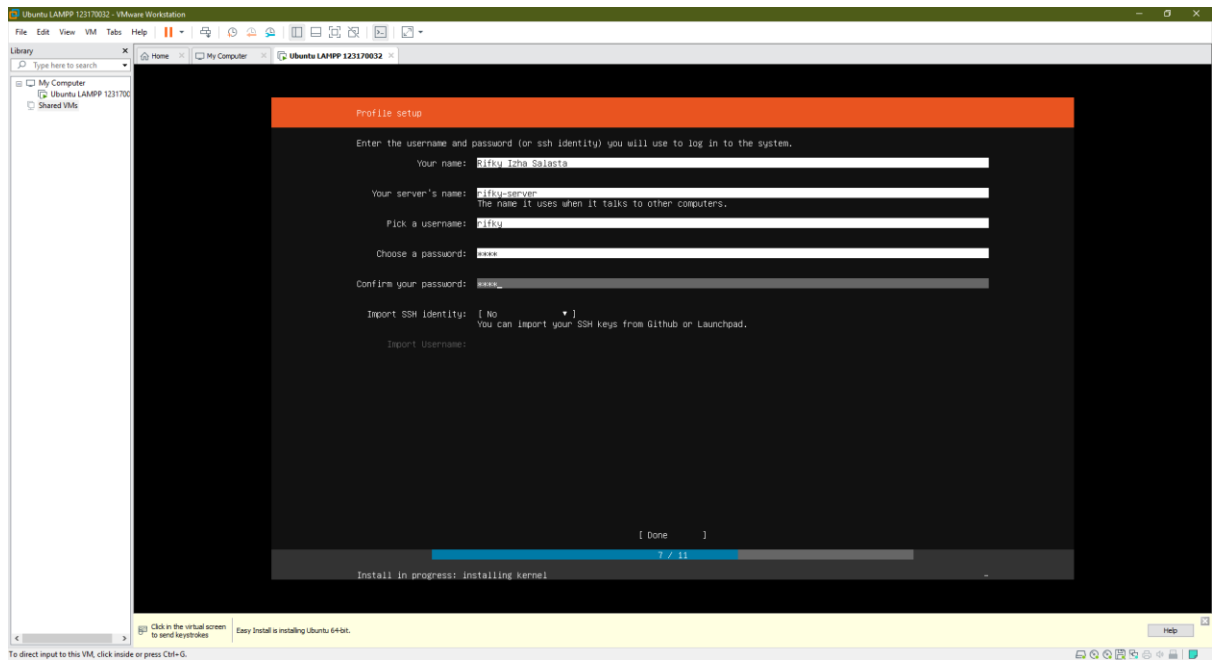
- Pilih use an entire disk untuk menggunakan virtual disk secara utuh



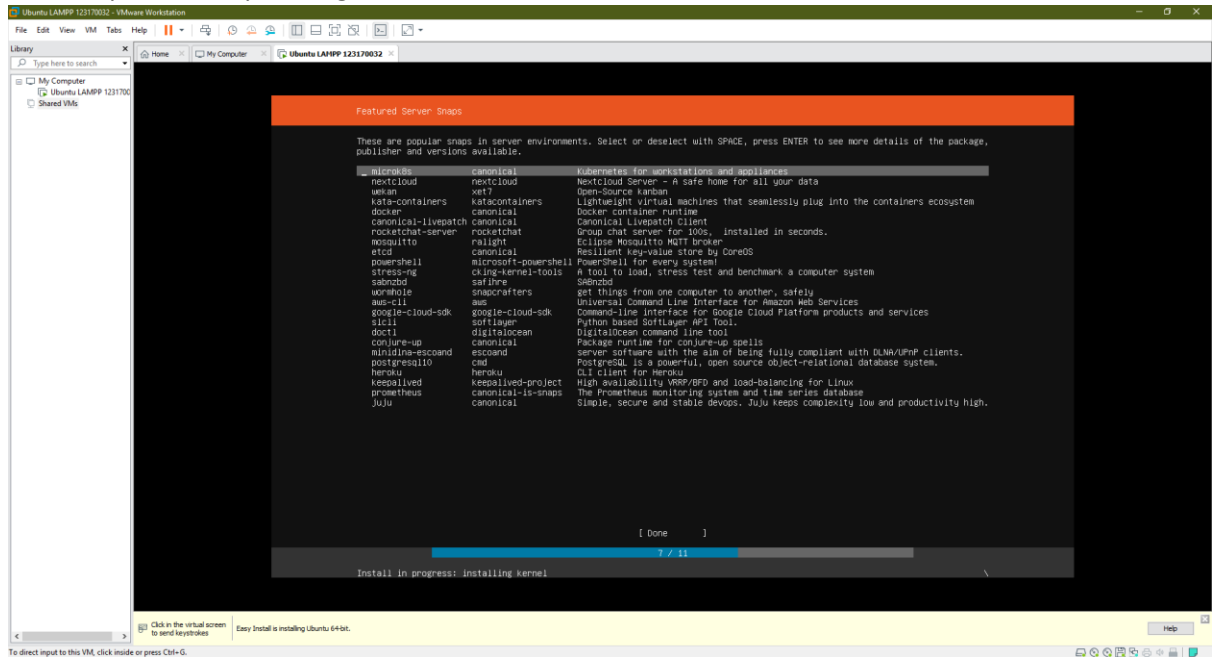
- Penyimpanan



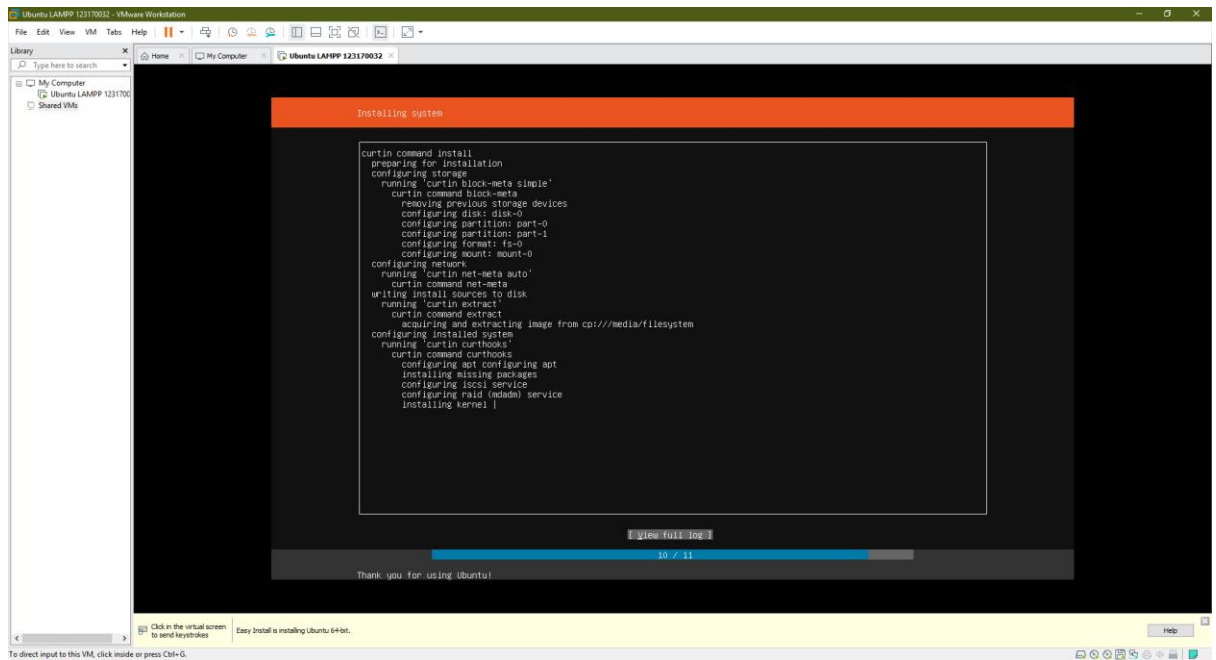
- - isi profil
Username : rifky
Pass : root



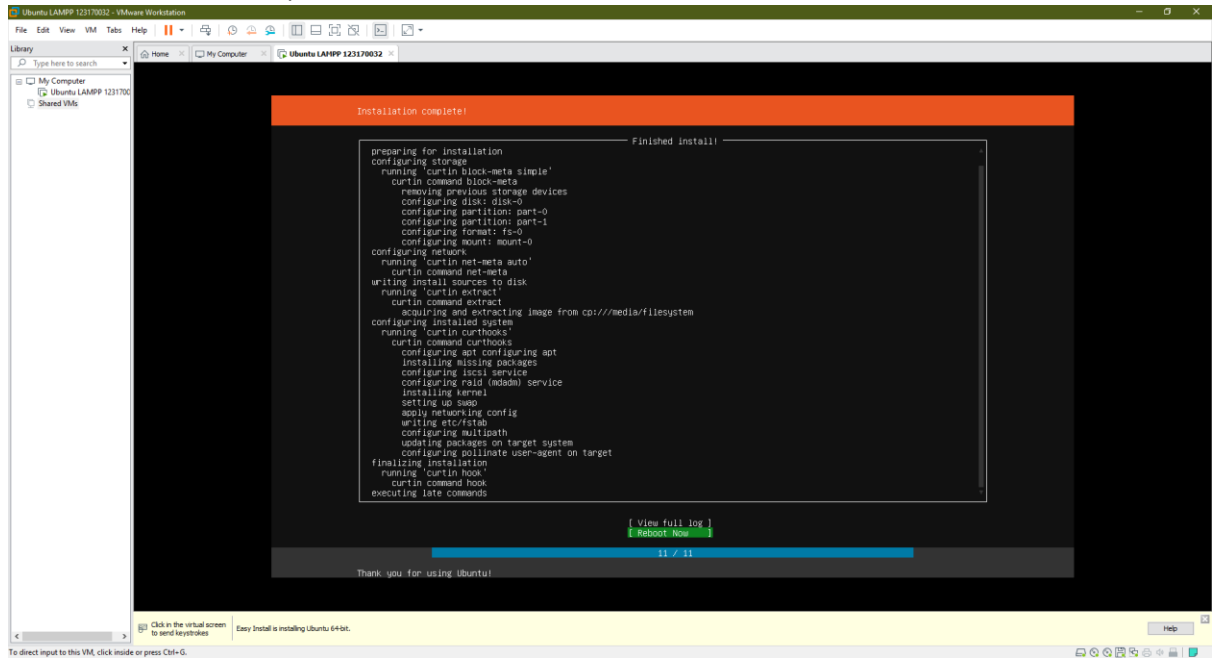
- Addon option tidak perlu digunakan



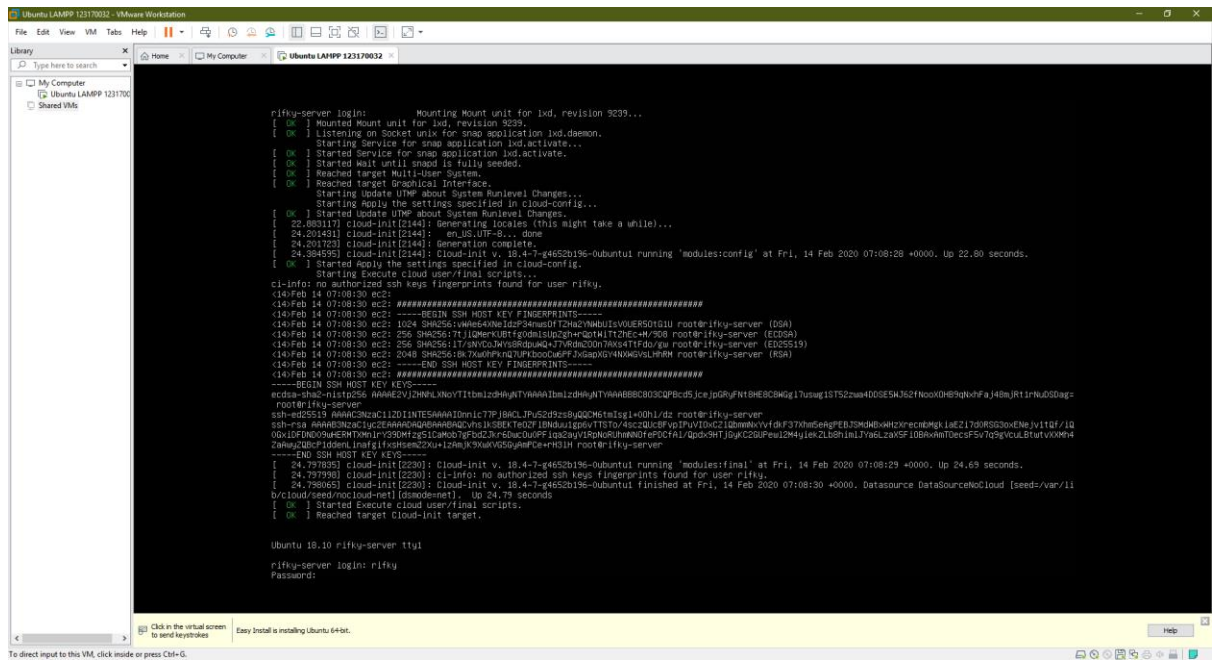
- Tunggu



- Setelah muncul reboot pilih reboot

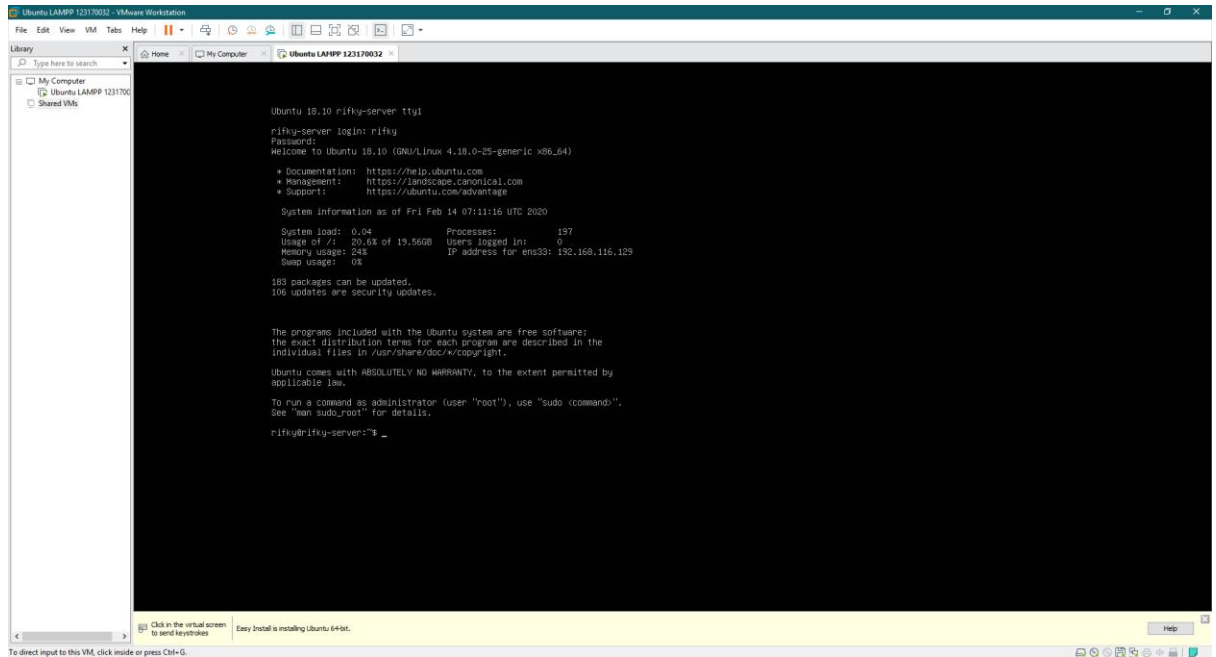


- Lakukan login



To direct input to this VM, click inside or press Ctrl+G.

- Masukk ke dashboard



To direct input to this VM, click inside or press Ctrl+G.

- Untuk menjadi administrator caranya

Sudo su

Dengan memasukkan password


```
Ubuntu 18.10 rifky-server tty1
rifky-server login: rifky
Password:
Welcome to Ubuntu 18.10 (GNU/Linux 4.18.0-25-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

System information as of Fri Feb 14 07:11:16 UTC 2020

System load:  0.04               Processes:            197
Usage of /:   20.6% of 19.56GB   Users logged in:     0
Memory usage: 24%               IP address for ens33: 192.168.116.129
Swap usage:   0%

183 packages can be updated.
106 updates are security updates.

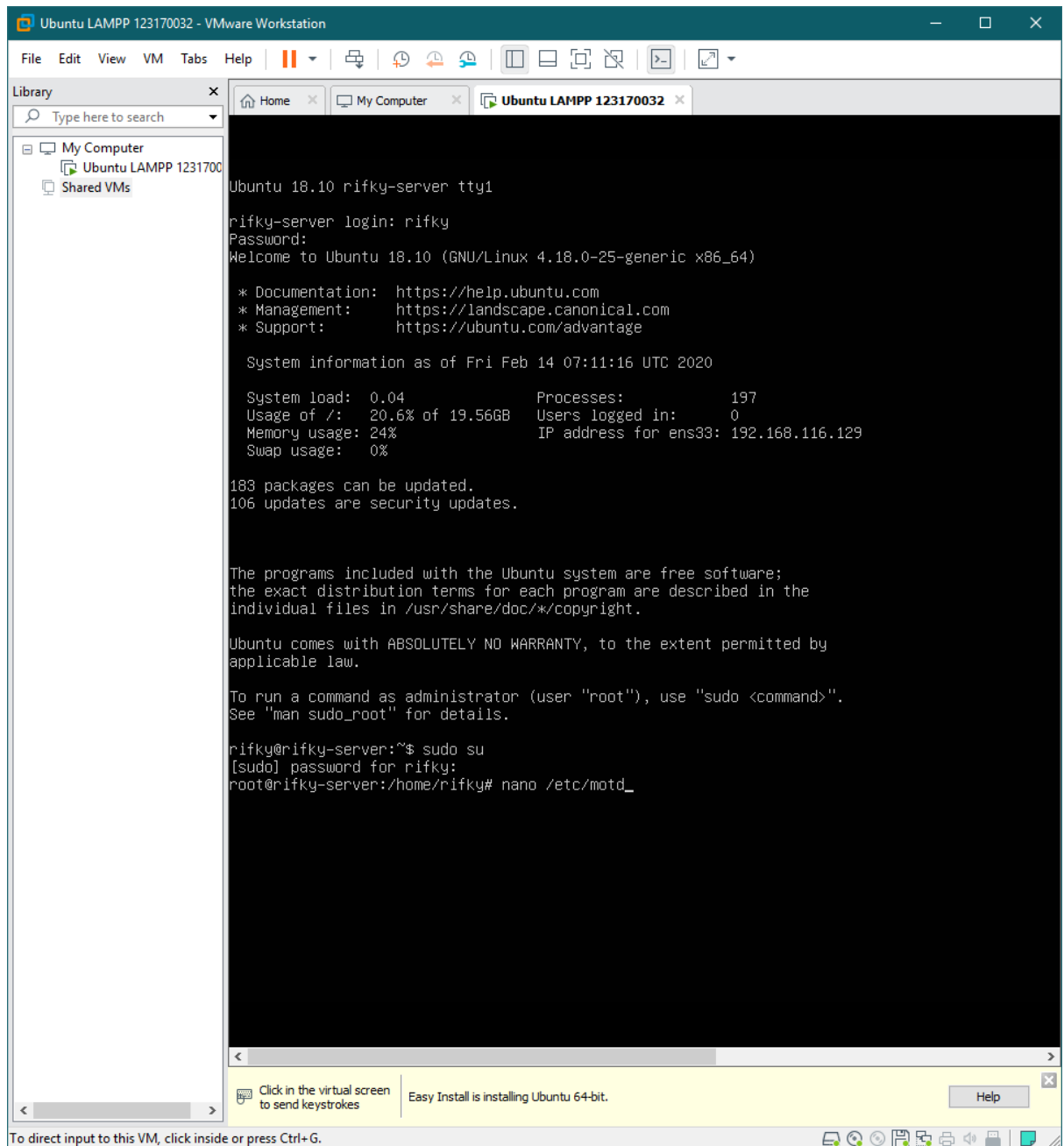
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

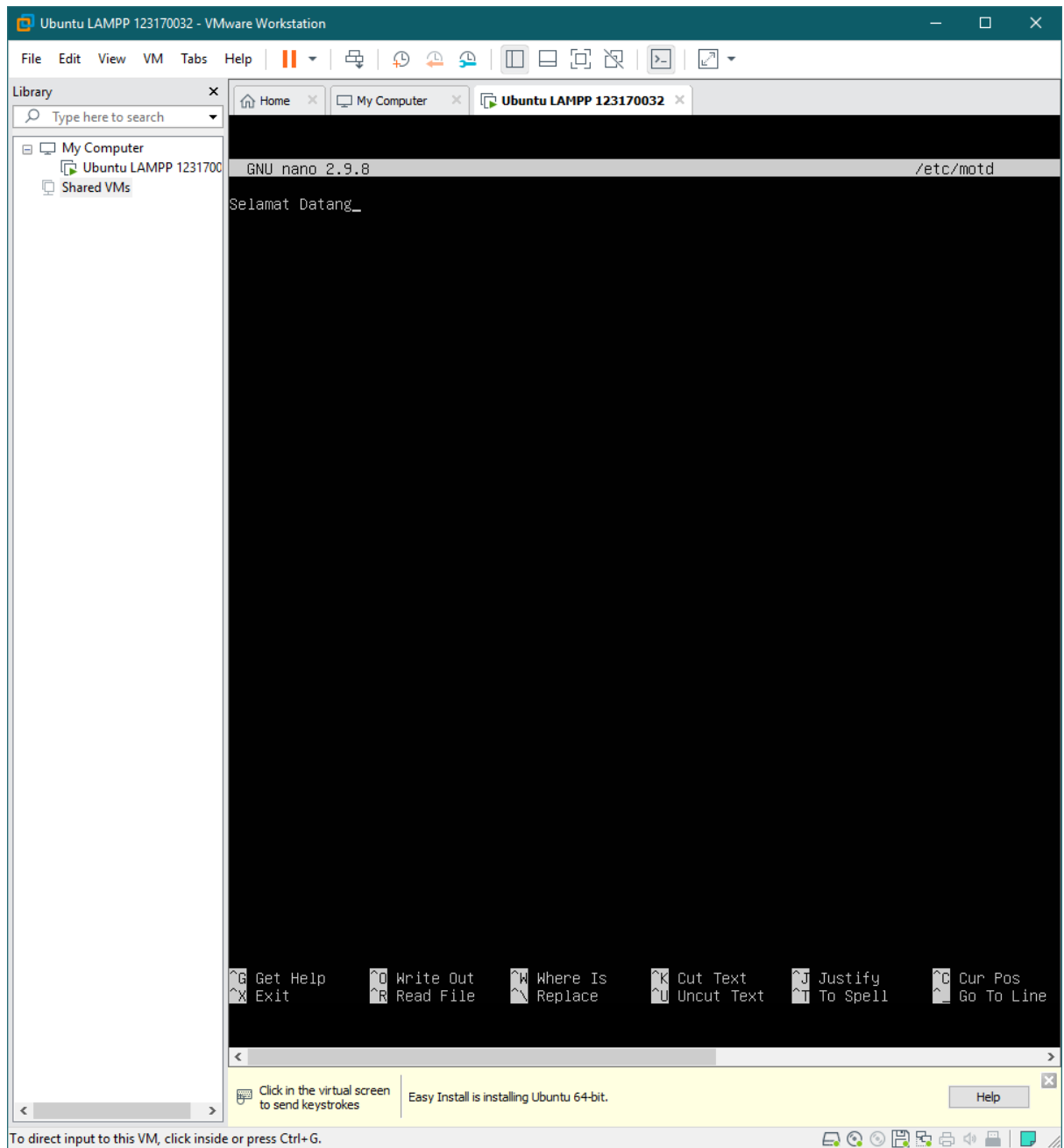
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

rifky@rifky-server:~$ sudo su
[sudo] password for rifky:
root@rifky-server:/home/rifky#
```

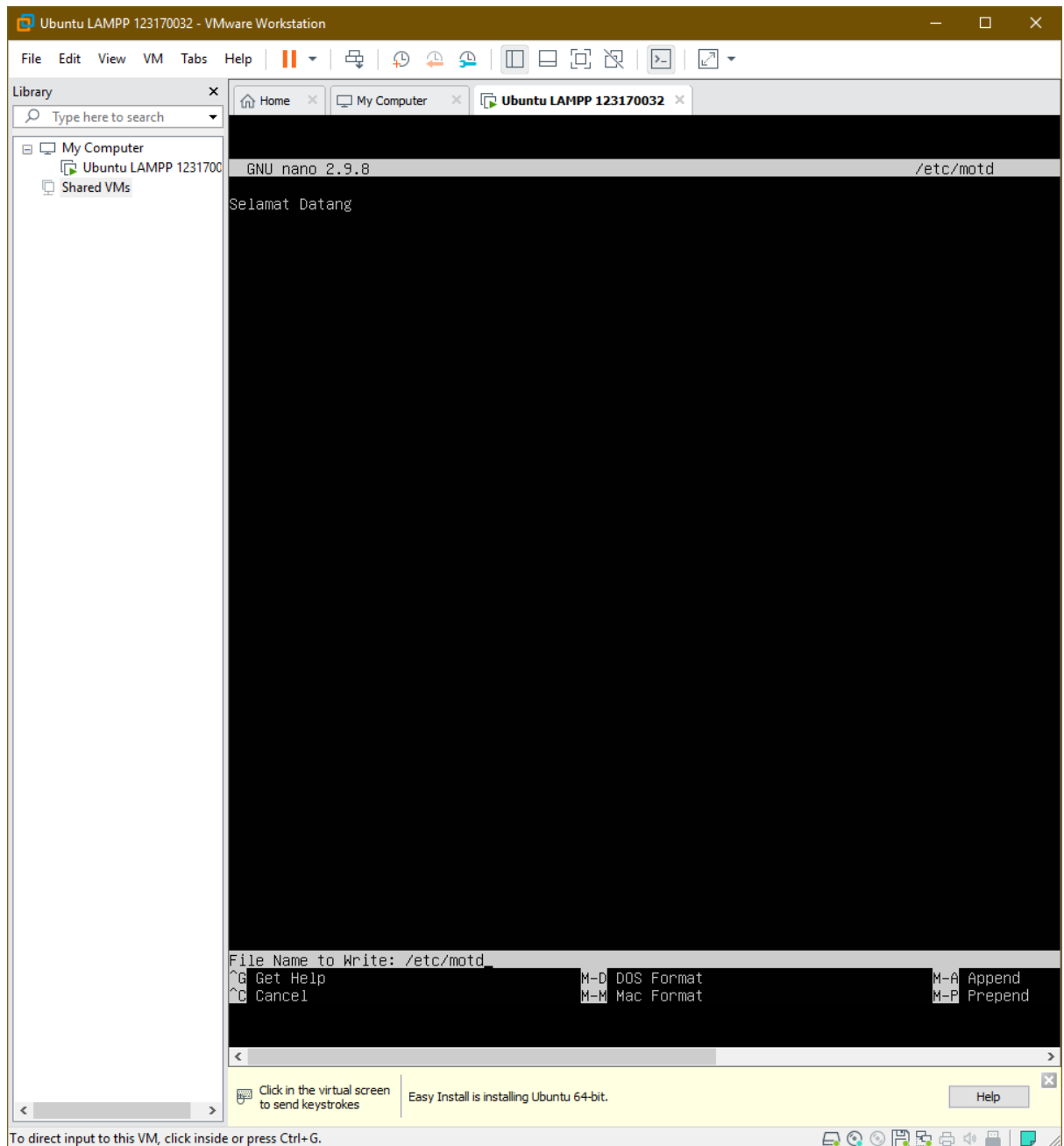
- Cara kembali ke akun semula ketik : exit
- Buat Message of the Day
Perlu menggunakan akses root
Nano /etc/motd



- Isikan filenya



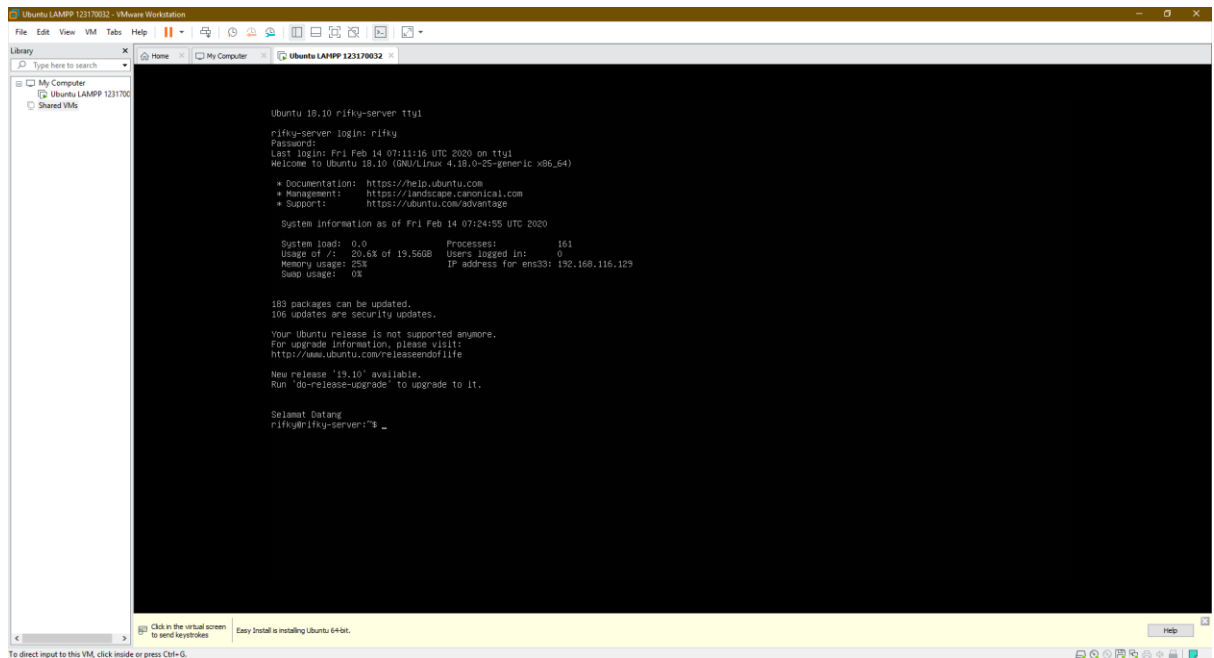
- Save dengan ctrl+o



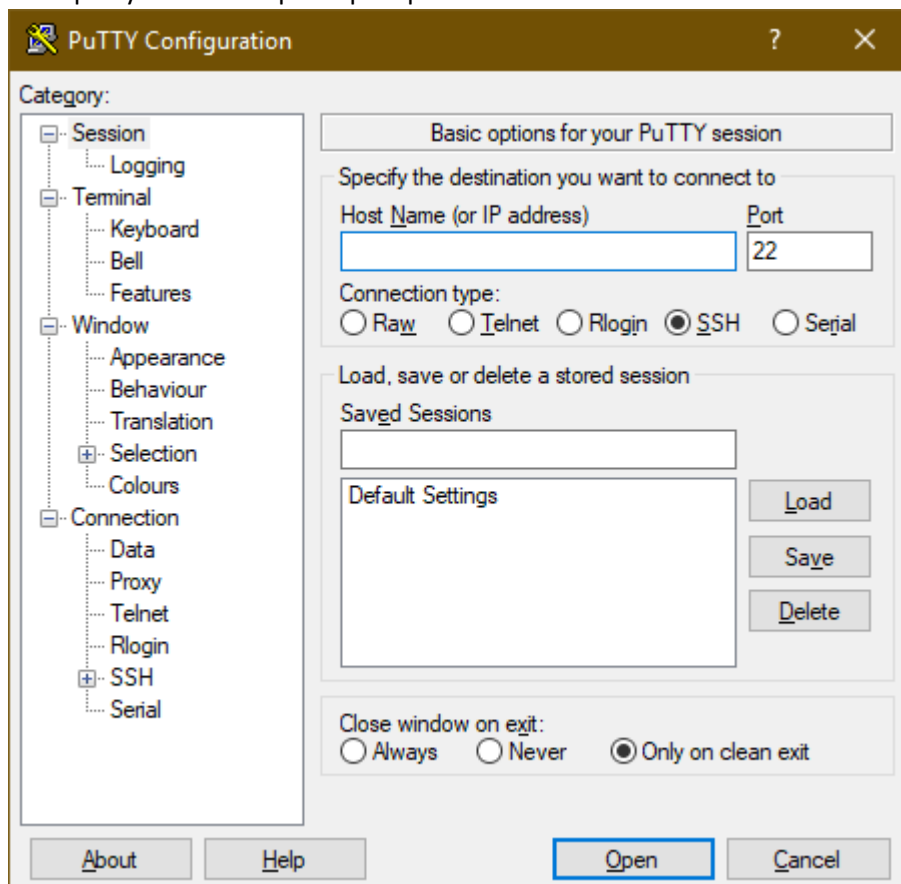
- Exit dengan ctrl+x

Menggunakan Remote terminal

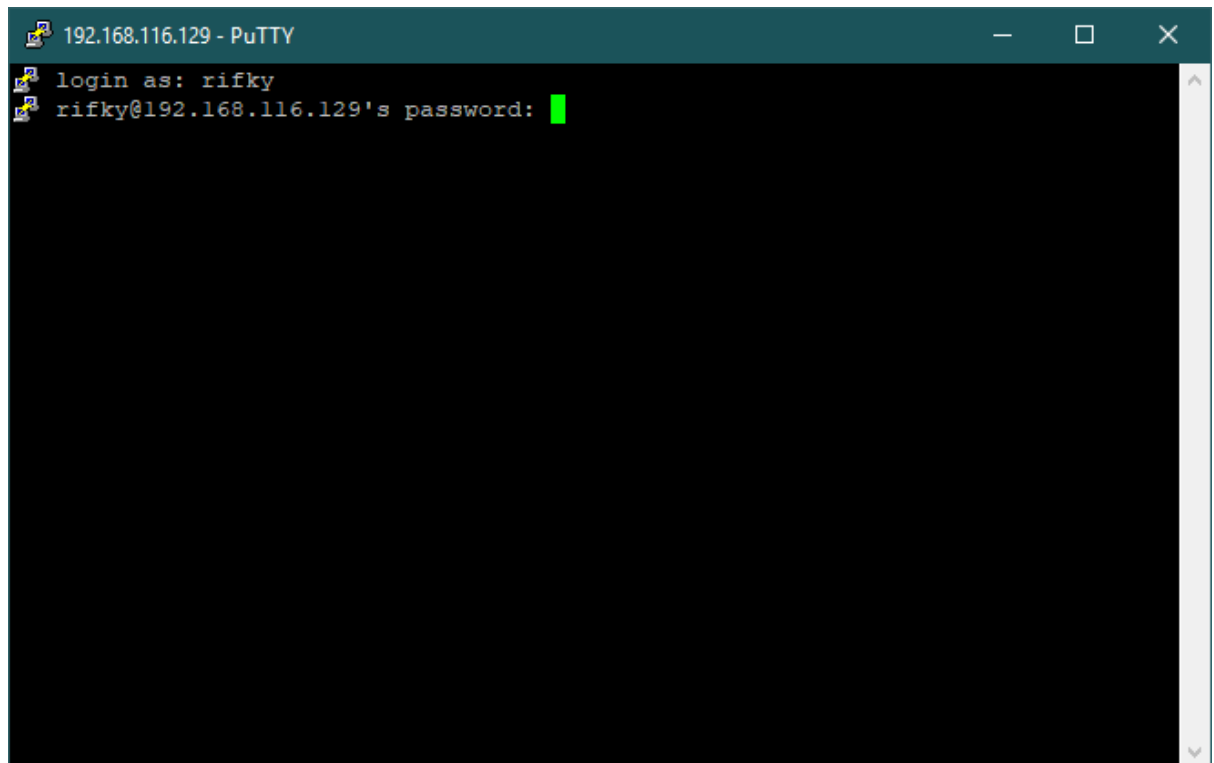
- Gunakan Putty
- Cari ip vm ifconfig atau muncul ketika pertama login



-
- Ipnya 192.168.116.129
- Buka putty masukkan ip lalu pilih port ssh

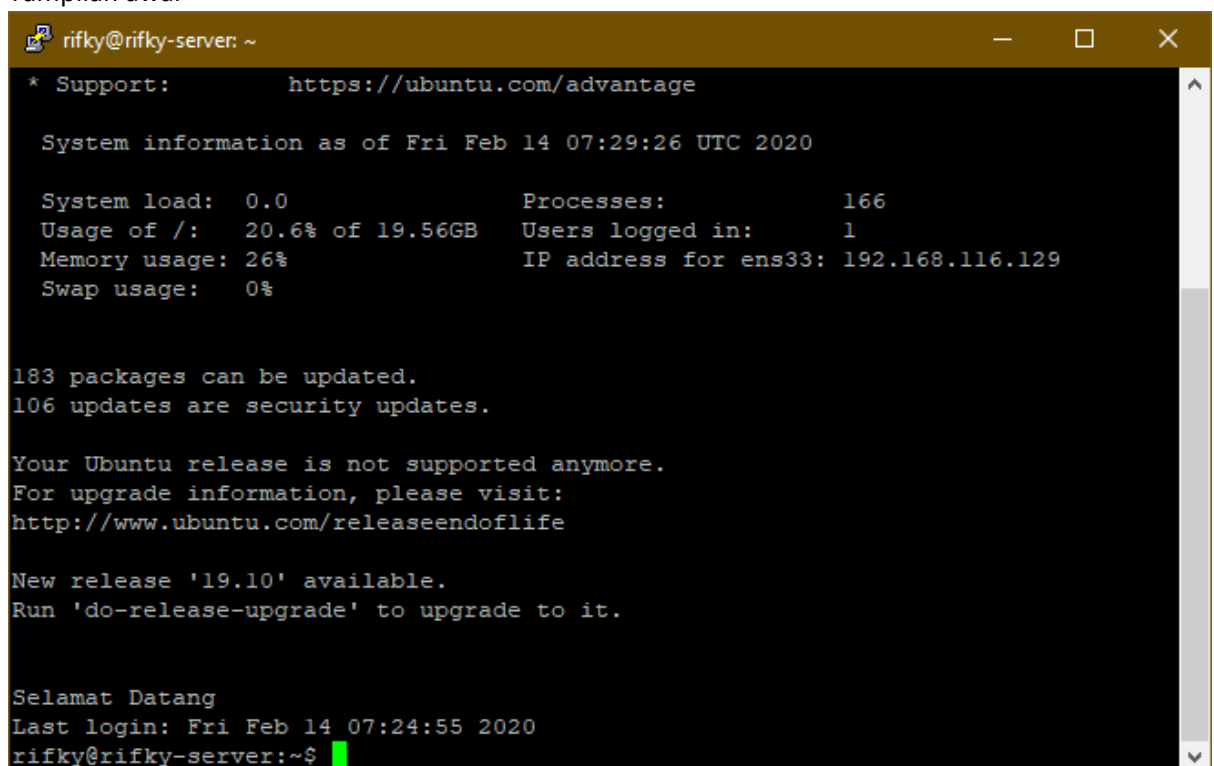


- Masukkan username dan password



```
192.168.116.129 - PuTTY
login as: rifky
rifky@192.168.116.129's password: 
```

- Tampilan awal



```
rifky@rifky-server: ~
* Support: https://ubuntu.com/advantage

System information as of Fri Feb 14 07:29:26 UTC 2020

System load: 0.0          Processes: 166
Usage of /: 20.6% of 19.56GB Users logged in: 1
Memory usage: 26%        IP address for ens33: 192.168.116.129
Swap usage: 0%

183 packages can be updated.
106 updates are security updates.

Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife

New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.

Selamat Datang
Last login: Fri Feb 14 07:24:55 2020
rifky@rifky-server:~$
```

3. Eval

Latihan

- Tidak keluar apa-apa karena tidak ada direktori yang dibuat
Ls digunakan untuk menampilkan directory yang ada

```
rifky@rifky-server: ~  
Memory usage: 26%          IP address for ens33: 192.168.116.129  
Swap usage: 0%  
  
183 packages can be updated.  
106 updates are security updates.  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Datang  
Last login: Fri Feb 14 07:29:26 2020 from 192.168.116.1  
rifky@rifky-server:~$ sudo su  
[sudo] password for rifky:  
root@rifky-server:/home/rifky# exit  
exit  
rifky@rifky-server:~$ ls  
rifky@rifky-server:~$  
rifky@rifky-server:~$
```

- Mk dir digunakan untuk membuat direktori baru

```
rifky@rifky-server: ~  
Swap usage: 0%  
  
183 packages can be updated.  
106 updates are security updates.  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Datang  
Last login: Fri Feb 14 07:29:26 2020 from 192.168.116.1  
rifky@rifky-server:~$ sudo su  
[sudo] password for rifky:  
root@rifky-server:/home/rifky# exit  
exit  
rifky@rifky-server:~$ ls  
rifky@rifky-server:~$  
rifky@rifky-server:~$ mkdir pertemuan-2  
rifky@rifky-server:~$
```

- Ls -l digunakan untuk melihat semua directory dengan hak aksesnya dan detail lainnya

```
rifky@rifky-server: ~
183 packages can be updated.
106 updates are security updates.

Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife

New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.

Selamat Datang
Last login: Fri Feb 14 07:29:26 2020 from 192.168.116.1
rifky@rifky-server:~$ sudo su
[sudo] password for rifky:
root@rifky-server:/home/rifky# exit
exit
rifky@rifky-server:~$ ls
rifky@rifky-server:~$
rifky@rifky-server:~$ mkdir pertemuan-2
rifky@rifky-server:~$ ls -l
total 4
drwxrwxr-x 2 rifky rifky 4096 Feb 14 07:35 pertemuan-2
rifky@rifky-server:~$
```

- Cp -r pertemuan-2 pertemuan-1 untuk mengopi direktori pertemuan-2 dengan nama pertemuan-1

```
rifky@rifky-server: ~
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife

New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.

Selamat Datang
Last login: Fri Feb 14 07:29:26 2020 from 192.168.116.1
rifky@rifky-server:~$ sudo su
[sudo] password for rifky:
root@rifky-server:/home/rifky# exit
exit
rifky@rifky-server:~$ ls
rifky@rifky-server:~$
rifky@rifky-server:~$ mkdir pertemuan-2
rifky@rifky-server:~$ ls -l
total 4
drwxrwxr-x 2 rifky rifky 4096 Feb 14 07:35 pertemuan-2
rifky@rifky-server:~$ ls
pertemuan-2
rifky@rifky-server:~$ cp -r pertemuan-2 pertemuan-1
rifky@rifky-server:~$
```

- Ls untuk melihat direktori yang sudah dikopi akan bertambah


```
rifky@rifky-server: ~  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Datang  
Last login: Fri Feb 14 07:29:26 2020 from 192.168.116.1  
rifky@rifky-server:~$ sudo su  
[sudo] password for rifky:  
root@rifky-server:/home/rifky# exit  
exit  
rifky@rifky-server:~$ ls  
rifky@rifky-server:~$  
rifky@rifky-server:~$ mkdir pertemuan-2  
rifky@rifky-server:~$ ls -l  
total 4  
drwxrwxr-x 2 rifky rifky 4096 Feb 14 07:35 pertemuan-2  
rifky@rifky-server:~$ ls  
pertemuan-2  
rifky@rifky-server:~$ cp -r pertemuan-2 pertemuan-1  
rifky@rifky-server:~$ ls  
pertemuan-1 pertemuan-2  
rifky@rifky-server:~$
```

- Mv pertemuan-2 “pertemuan 2 LAMPP” untuk mengganti nama direktori pertemuan-2 menjadi pertemuan 2 LAMPP

```
rifky@rifky-server: ~  
[sudo] password for rifky:  
root@rifky-server:/home/rifky# exit  
exit  
rifky@rifky-server:~$ ls  
rifky@rifky-server:~$  
rifky@rifky-server:~$ mkdir pertemuan-2  
rifky@rifky-server:~$ ls -l  
total 4  
drwxrwxr-x 2 rifky rifky 4096 Feb 14 07:35 pertemuan-2  
rifky@rifky-server:~$ ls  
pertemuan-2  
rifky@rifky-server:~$ cp -r pertemuan-2 pertemuan-1  
rifky@rifky-server:~$ ls  
pertemuan-1 pertemuan-2  
rifky@rifky-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
rifky@rifky-server:~$ LS  
  
Command 'LS' not found, but can be installed with:  
  
sudo apt install sl  
  
rifky@rifky-server:~$ ls  
pertemuan-1 'pertemuan 2 LAMPP'  
rifky@rifky-server:~$
```

- Cd "pertemuan 2 lalu tab untuk membuat perintah otomatis ntuk masuk ke direktori pertemuan 2 LAMPP

```
rifky@rifky-server: ~  
drwxrwxr-x 2 rifky rifky 4096 Feb 14 07:35 pertemuan-2  
rifky@rifky-server:~$ ls  
pertemuan-2  
rifky@rifky-server:~$ cp -r pertemuan-2 pertemuan-1  
rifky@rifky-server:~$ ls  
pertemuan-1  pertemuan-2  
rifky@rifky-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
rifky@rifky-server:~$ LS  
  
Command 'LS' not found, but can be installed with:  
  
sudo apt install sl  
  
rifky@rifky-server:~$ ls  
pertemuan-1  'pertemuan 2 LAMPP'  
rifky@rifky-server:~$ cd "pertemuan 2  
> LAMPP  
> ls  
>  
> ^C  
rifky@rifky-server:~$ cd "pertemuan 2 LAMPP"/
```

- Nano biodata.txt untuk membuat file biodata.txt

```
rifky@rifky-server: ~/pertemuan 2 LAMPP  
drwxrwxr-x 2 rifky rifky 4096 Feb 14 07:35 pertemuan-2  
rifky@rifky-server:~$ ls  
pertemuan-2  
rifky@rifky-server:~$ cp -r pertemuan-2 pertemuan-1  
rifky@rifky-server:~$ ls  
pertemuan-1  pertemuan-2  
rifky@rifky-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
rifky@rifky-server:~$ LS  
  
Command 'LS' not found, but can be installed with:  
  
sudo apt install sl  
  
rifky@rifky-server:~$ ls  
pertemuan-1  'pertemuan 2 LAMPP'  
rifky@rifky-server:~$ cd "pertemuan 2  
> LAMPP  
> ls  
>  
> ^C  
rifky@rifky-server:~$ cd "pertemuan 2 LAMPP"/  
  
rifky@rifky-server:~/pertemuan 2 LAMPP$ nano biodata.txt
```

- Isikan NIM lalu save

```
rifky@rifky-server: ~/pertemuan 2 LAMPP
GNU nano 2.9.8      biodata.txt      Modified
123170032

[ New File ]
^G Get Help  ^O Write Out  ^W Where Is   ^K Cut Text   ^J Justify    ^C Cur Pos
^X Exit      ^R Read File  ^\ Replace    ^U Uncut Text ^T To Spell   ^_ Go To Line
```

- Ls untuk melihat isi direktori pertemuan 2 LAMPP

```
rifky@rifky-server: ~/pertemuan 2 LAMPP
pertemuan-1 pertemuan-2
rifky@rifky-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
rifky@rifky-server:~$ LS

Command 'LS' not found, but can be installed with:

sudo apt install sl

rifky@rifky-server:~$ ls
pertemuan-1 'pertemuan 2 LAMPP'
rifky@rifky-server:~$ cd "pertemuan 2
> LAMPP
> ls
>
> ^C
rifky@rifky-server:~$ cd "pertemuan 2 LAMPP"/

rifky@rifky-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rifky@rifky-server:~/pertemuan 2 LAMPP$ ls
biodata.txt
rifky@rifky-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 rifky rifky 10 Feb 14 07:50 biodata.txt
rifky@rifky-server:~/pertemuan 2 LAMPP$
```

- Cat biodata untuk melihat isi biodata.txt

```
rifky@rifky-server: ~/pertemuan 2 LAMPP
rifky@rifky-server:~$ LS
Command 'LS' not found, but can be installed with:
sudo apt install sl
rifky@rifky-server:~$ ls
pertemuan-1 'pertemuan 2 LAMPP'
rifky@rifky-server:~$ cd "pertemuan 2
> LAMPP
> ls
>
> ^C
rifky@rifky-server:~$ cd "pertemuan 2 LAMPP"/
rifky@rifky-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rifky@rifky-server:~/pertemuan 2 LAMPP$ ls
biodata.txt
rifky@rifky-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 rifky rifky 10 Feb 14 07:50 biodata.txt
rifky@rifky-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170032
rifky@rifky-server:~/pertemuan 2 LAMPP$
```

- Nano biodata.txt lagi dengan mengisi seperti gambar di bawah

```
GNU nano 2.9.8 biodata.txt Modified
123170032
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
File Name to Write: biodata.txt
^G Get Help      M-D DOS Format   M-A Append      M-B Backup File
^C Cancel        M-M Mac Format   M-P Prepend     ^T To Files
```

Save

- Ketik cat biodata.txt lagi untuk melihat tambahan isinya

```
rifky@rifky-server: ~/pertemuan 2 LAMPP
rifky@rifky-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rifky@rifky-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170032
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
19.
20.
rifky@rifky-server:~/pertemuan 2 LAMPP$
```

- Tail biodata.txt untuk melihat 10 baris terakhir

```
rifky@rifky-server: ~/pertemuan 2 LAMPP
rifky@rifky-server:~/pertemuan 2 LAMPP$ tail biodata.txt
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
19.
20.
rifky@rifky-server:~/pertemuan 2 LAMPP$
```