

LAPORAN PRAKTIKUM INSTALASI DEBIAN 10

ADMINISTRASI SISTEM JARINGAN



KHOIRUNNISA FITRIA ALDIRA

19 / XI KJ

2019 / 2020

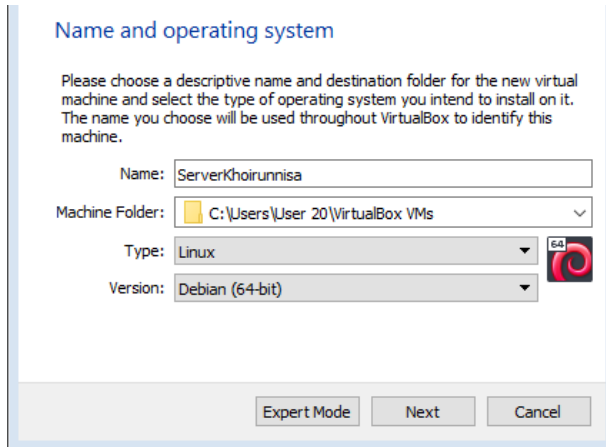
SMK N 2 WONOSARI

1. Langkah Install Debian 10

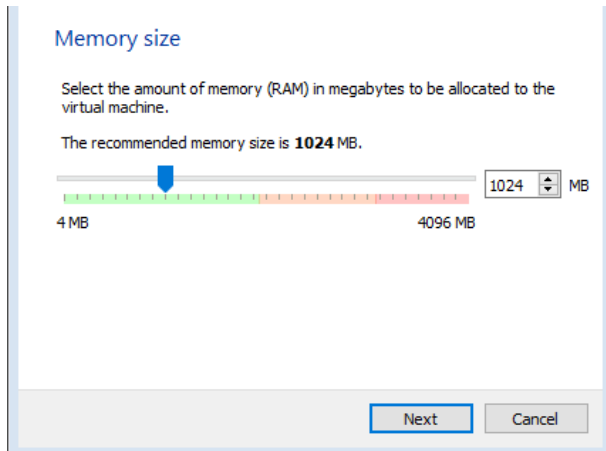
- 1) Pertama, klik ikon “New”



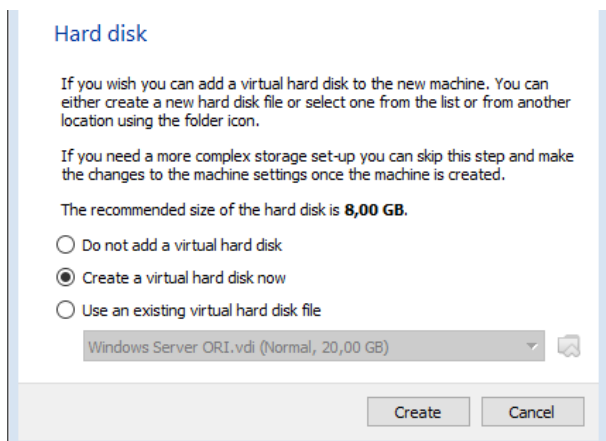
- 2) Beri nama sesuai keinginan, pilih type ‘Linux’, dan versi “Debian (64-bit)” dan klik “Next”



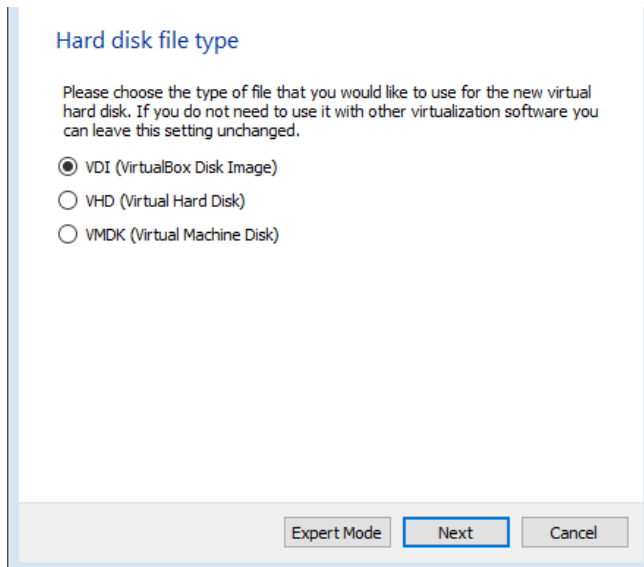
- 3) Atur memori atau biarkan default “1 GB” lalu klik “Next”



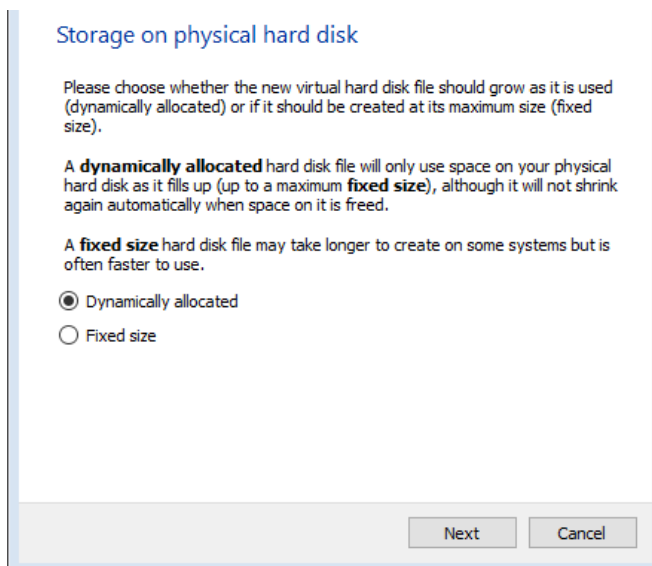
- 4) Pilih opsi “Create a virtual hard ...” lalu klik “Create”



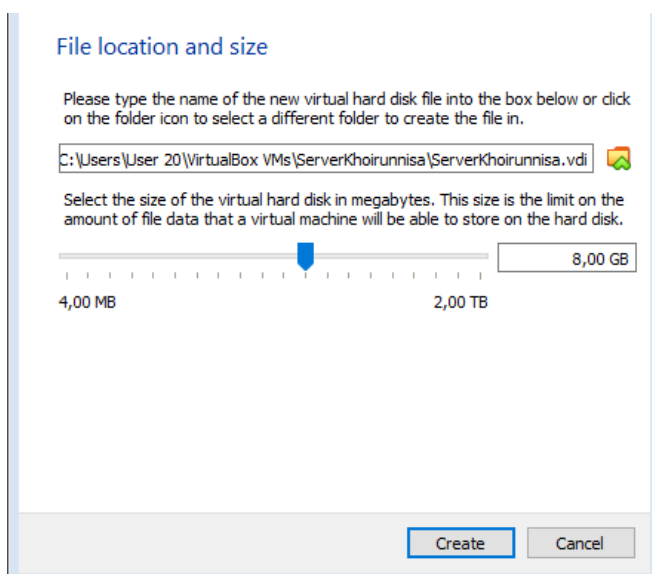
5) Pilih opsi “VDI” dan klik “Next”



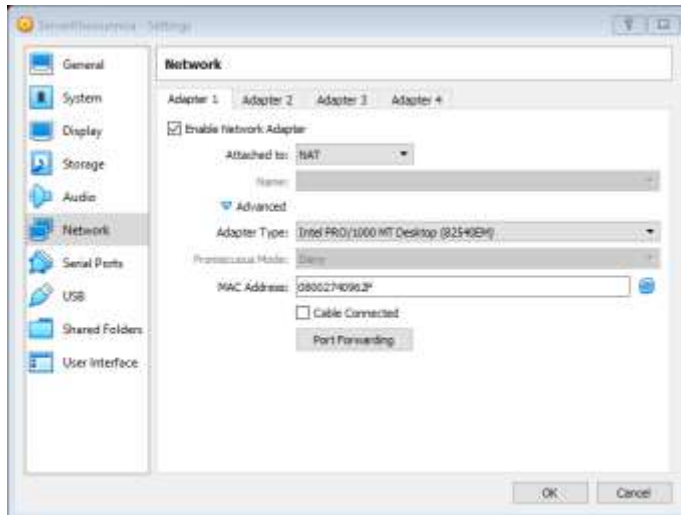
6) Pilih opsi “Dynamically allocated” lalu klik “Next”



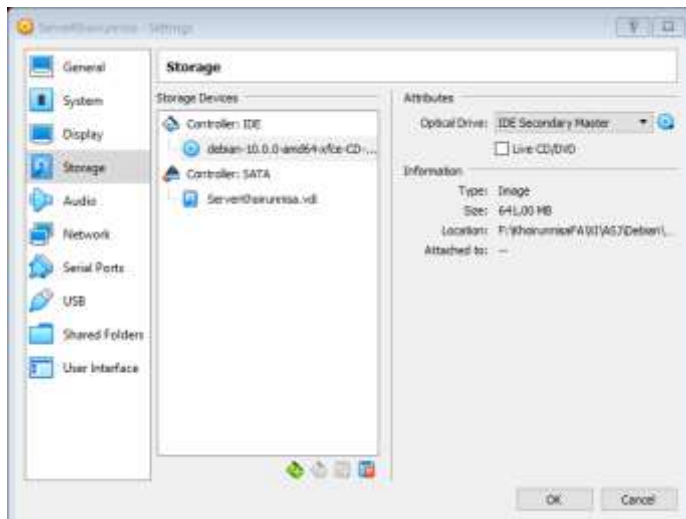
7) Biarkan tampilan default lalu klik “Create”



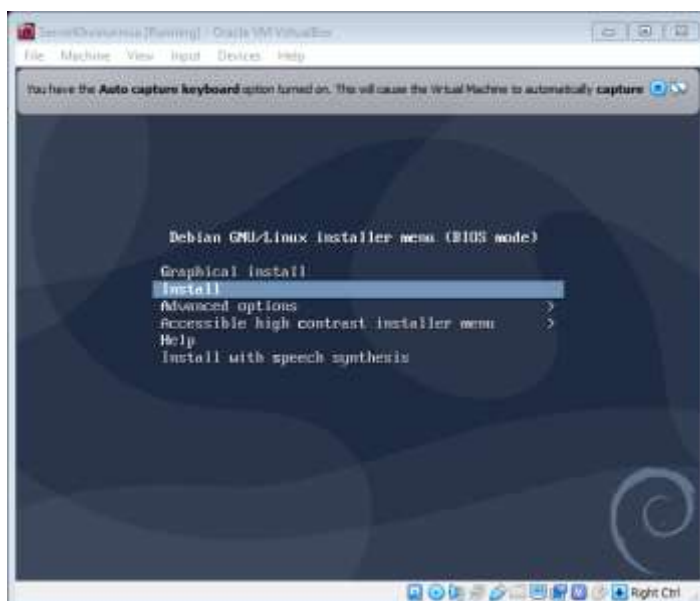
8) Klik ikon “Network” lalu “Uncheck” pada opsi “Cable Connected” lalu klik Ok



9) Klik ikon “Storage” lalu klik ikon “CD” pada sisi kanan “Optical Drive” dan browse file yang diinginkan lalu klik Ok



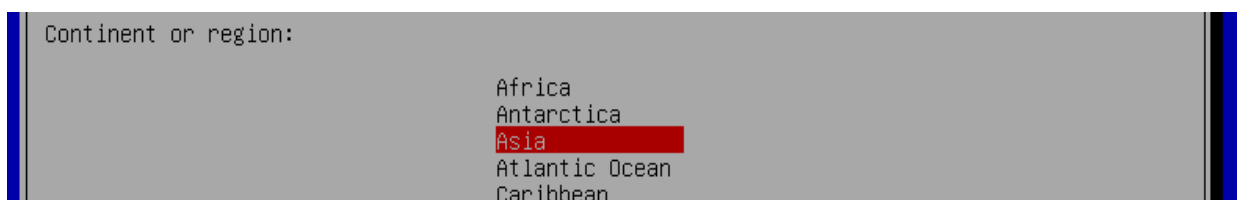
10) Pilih opsi “Install” lalu tekan Enter

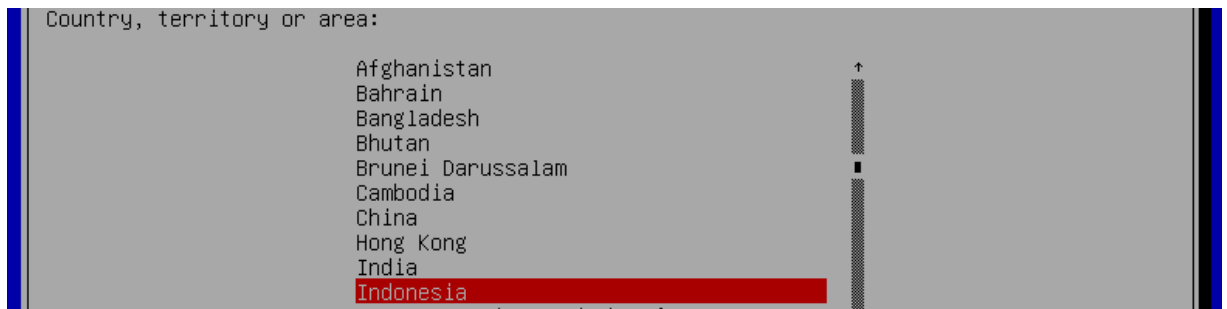


11) Pilih bahasa “English” lalu klik Enter



12) Pilih negara dengan klik Enter pada opsi “Other” lalu pilih “Asia” lalu “Indonesia”

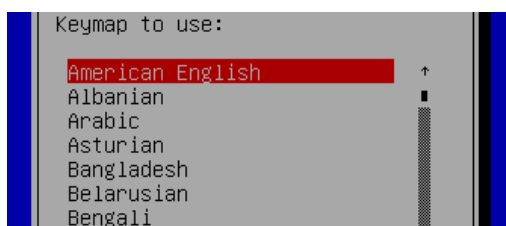




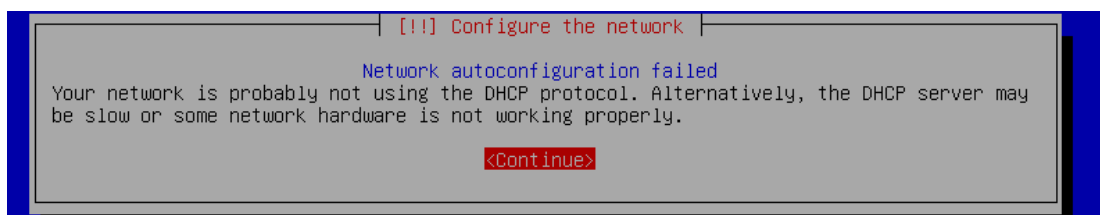
13) Biarkan default “United States” lalu klik Enter



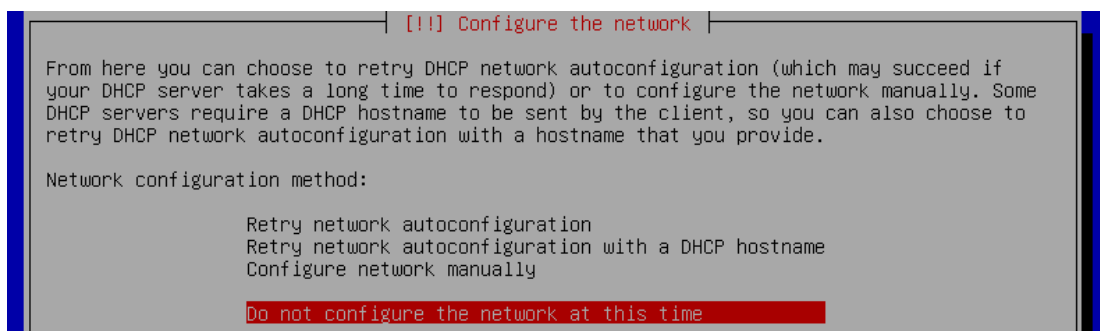
14) Klik Enter “American English” pada “Keymap to use”



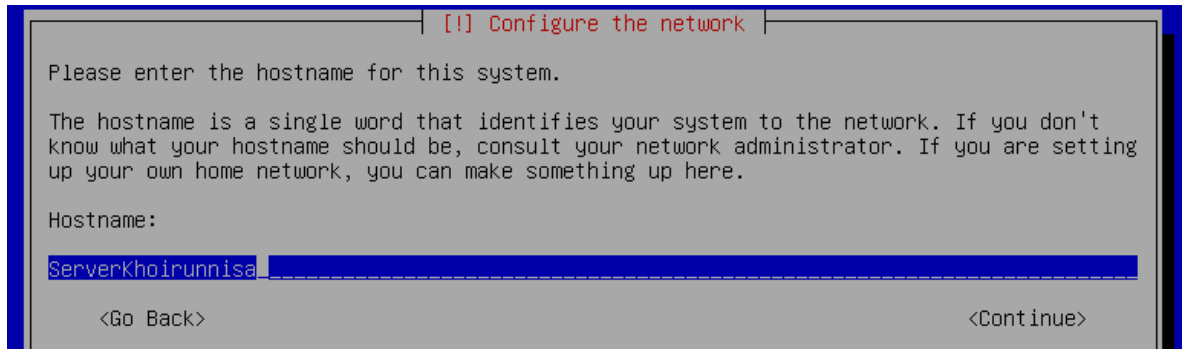
15) Karena diawal tadi anda sudah uncheck cable di setting “Network” maka debian secara default tidak bisa mendapat IP, jadi klik Continue



16) Pilih opsi “Don’t Configure” lalu klik Enter



17) Beri nama Hostname sesuai keinginan lalu klik Continue



[!] Configure the network

Please enter the hostname for this system.

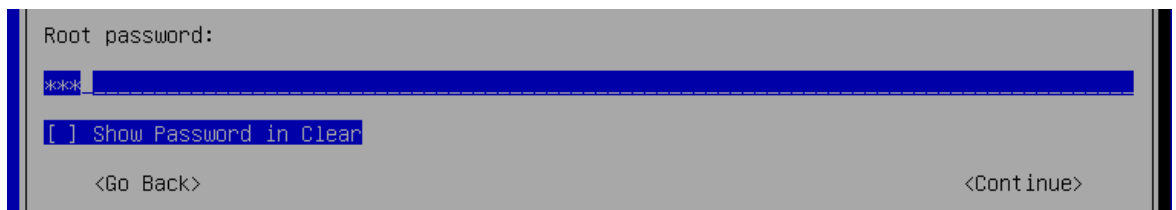
The hostname is a single word that identifies your system to the network. If you don't know what your hostname should be, consult your network administrator. If you are setting up your own home network, you can make something up here.

Hostname:

ServerKhoirunnisa

<Go Back> <Continue>

18) Beri password hostname lalu klik continue



Root password:

[] Show Password in Clear

<Go Back> <Continue>

19) Tulis kembali password yang telah anda tuliskan di menu sebelumnya lalu klik continue

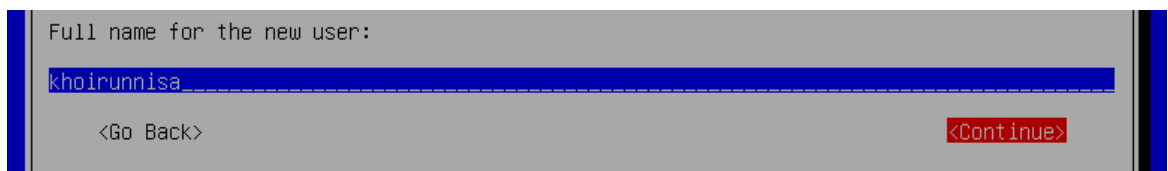


Re-enter password to verify:

[] Show Password in Clear

<Go Back> <Continue>

20) Beri keterangan nama untuk user baru (usahakan jangan gunakan huruf kapital) lalu klik continue

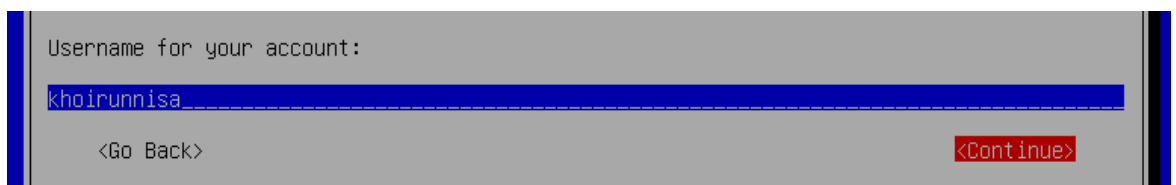


Full name for the new user:

khoirunnisa

<Go Back> <Continue>

21) Beri nama user sesuai keinginan (usahakan jangan gunakan huruf kapital) lalu klik continue

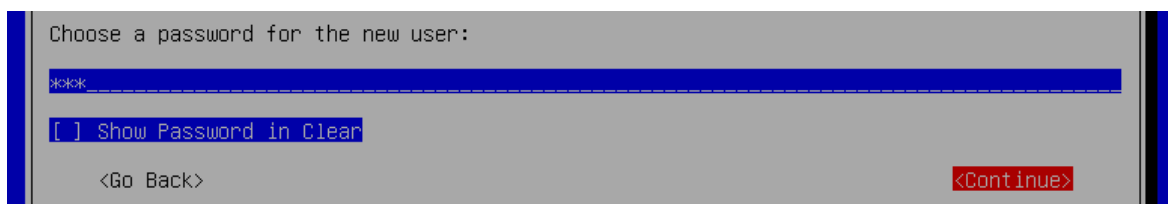


Username for your account:

khoirunnisa

<Go Back> <Continue>

22) Beri password untuk user baru lalu klik continue



Choose a password for the new user:

[] Show Password in Clear

<Go Back> <Continue>

23) Tulis kembali password yang telah anda tuliskan di menu sebelumnya lalu klik continue

```
Re-enter password to verify:
****
[ ] Show Password in Clear
<Go Back> <Continue>
```

24) Pilih kota yang sesuai dengan zona waktumu, lalu klik Enter

```
Select a city in your time zone:
Western (Sumatra, Jakarta, Java, West and Central Kalimantan)
Central (Sulawesi, Bali, Nusa Tenggara, East and South Kalimantan)
Eastern (Maluku, Papua)
<Go Back>
```

25) Pilih metode partisi “Guide – use entire disk” lalu klik Enter

```
Partitioning method:
Guided - use entire disk
Guided - use entire disk and set up LVM
Guided - use entire disk and set up encrypted LVM
Manual
<Go Back>
```

26) Biarkan disk untuk partisi secara default dan klik Enter

```
Select disk to partition:
SCSI1 (0,0,0) (sda) - 8.6 GB ATA VBOX HARDDISK
<Go Back>
```

27) Pilih skema partisi dengan klik Enter pada opsi “All files in one partition”

```
Partitioning scheme:
All files in one partition (recommended for new users)
Separate /home partition
Separate /home, /var, and /tmp partitions
<Go Back>
```

28) Klik Enter pada opsi “Finish Partitioning ...”

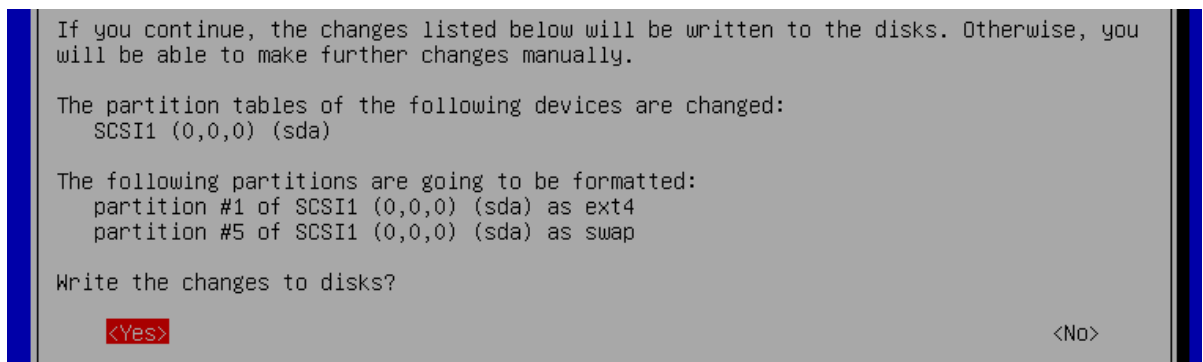
```
This is an overview of your currently configured partitions and mount points. Select a
partition to modify its settings (file system, mount point, etc.), a free space to create
partitions, or a device to initialize its partition table.

Guided partitioning
Configure software RAID
Configure the Logical Volume Manager
Configure encrypted volumes
Configure iSCSI volumes

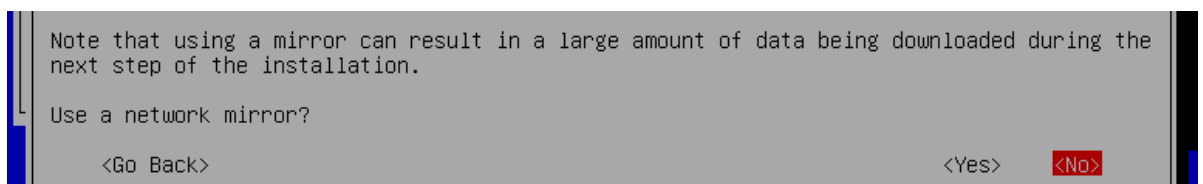
SCSI1 (0,0,0) (sda) - 8.6 GB ATA VBOX HARDDISK
#1 primary 7.5 GB f ext4 /
#5 logical 1.1 GB f swap swap

Undo changes to partitions
Finish partitioning and write changes to disk
<Go Back>
```

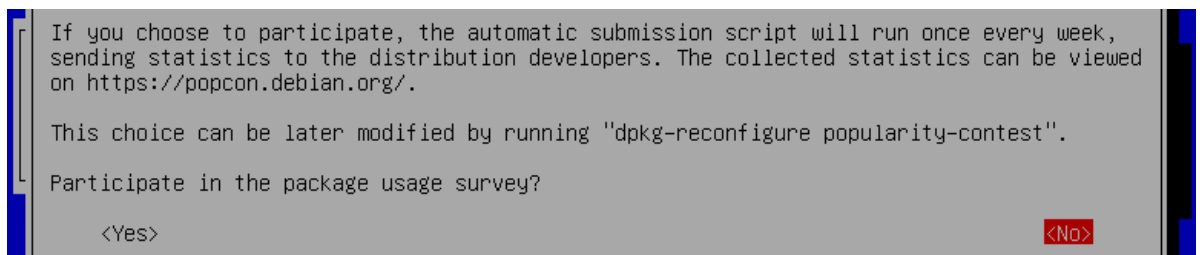

29) Klik “Yes” pada menu berikut



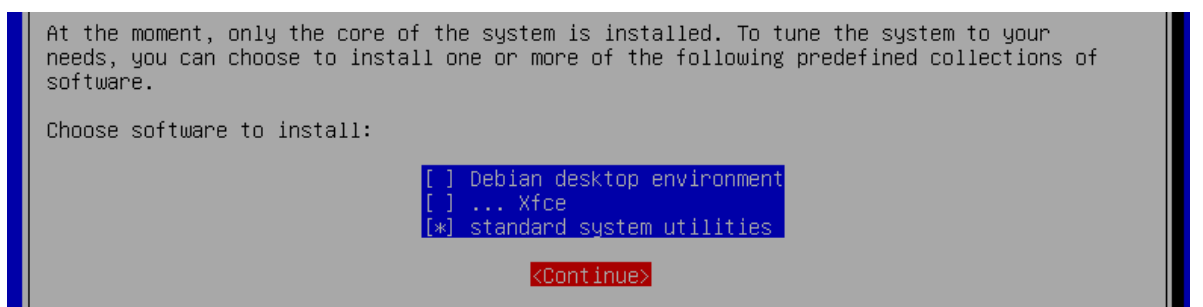
30) Klik “No” pada menu berikut



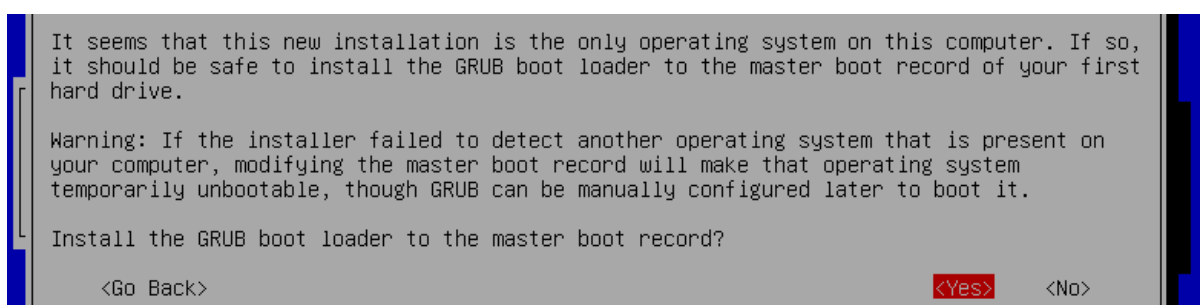
31) Klik “No” pada menu berikut



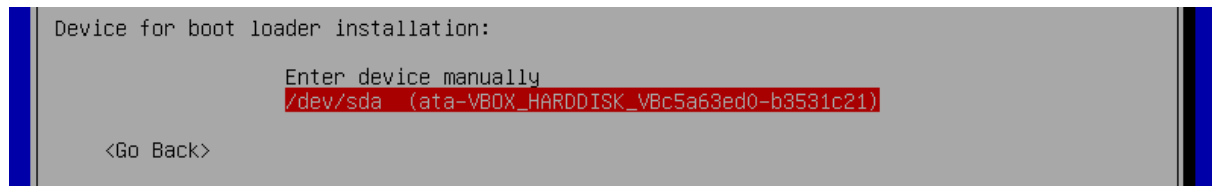
32) Tandai bintang pada opsi “Standard system utilities” dan uncheck opsi yang lain lalu klik continue



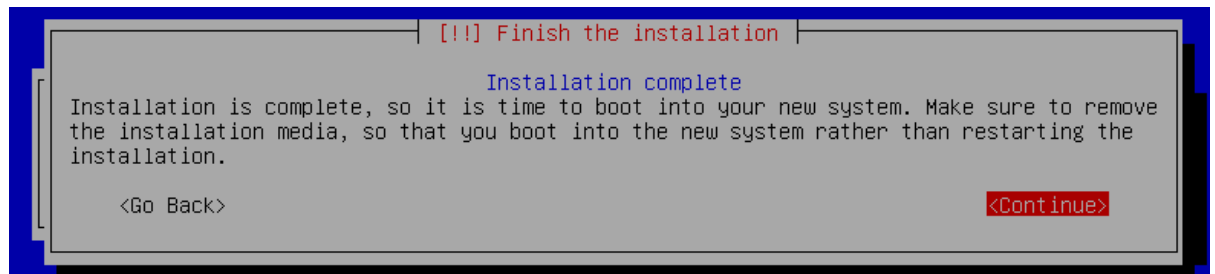
33) Klik “Yes” pada menu berikut



34) Klik Enter pada opsi “/dev/sda ...”

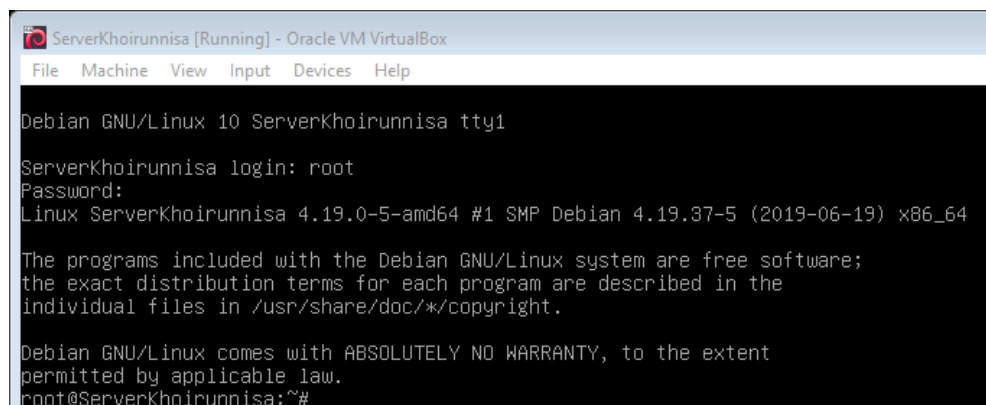


35) Instalasi selesai lalu klik Continue



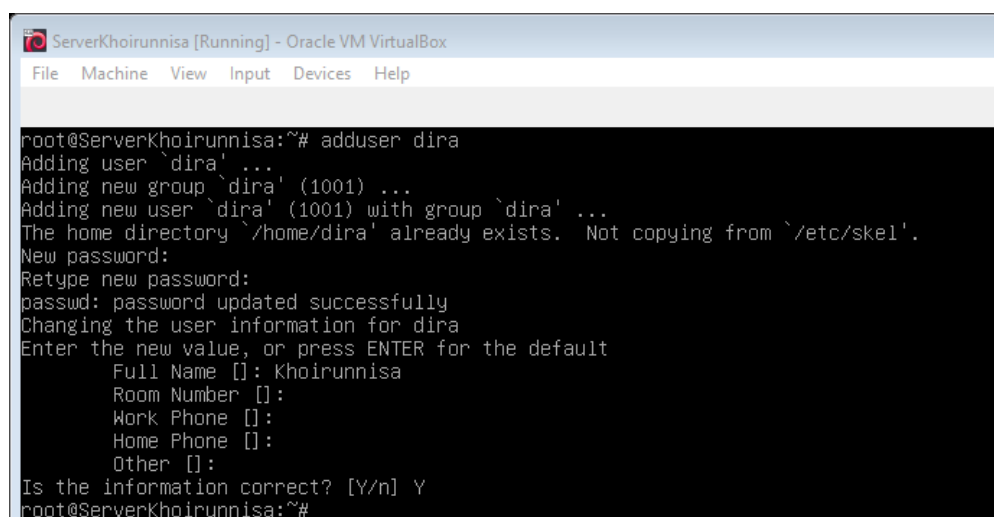
2. Perintah Dasar Linux

- 1) Login Root / SU (#) : untuk login user yang memiliki kemampuan dan kendali lebih besar dari user biasa

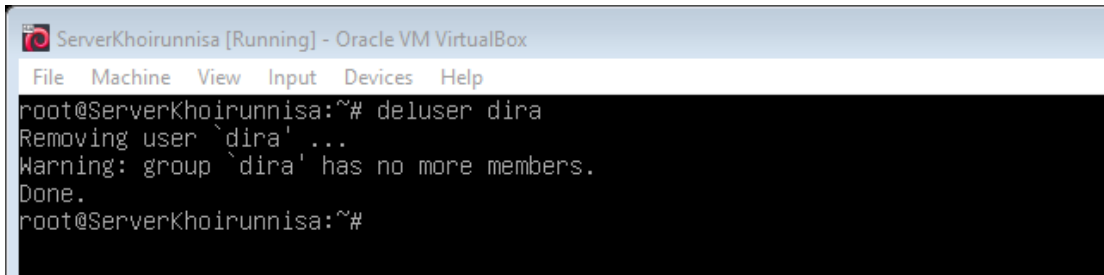


- 2) Management user

- a) Adduser : untuk menambah user

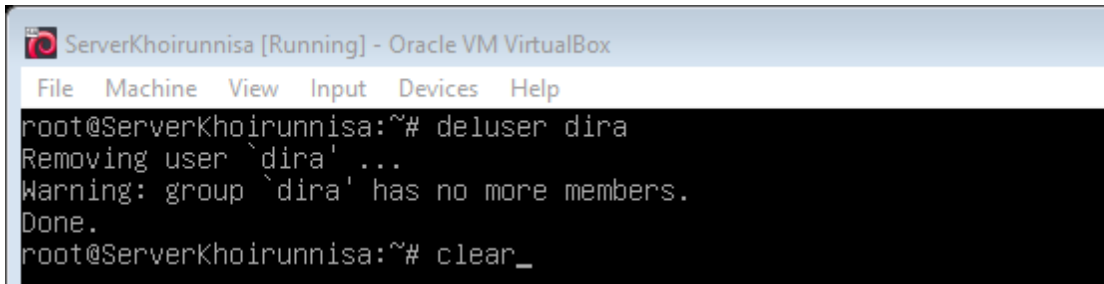


b) Deluser : untuk menghapus user



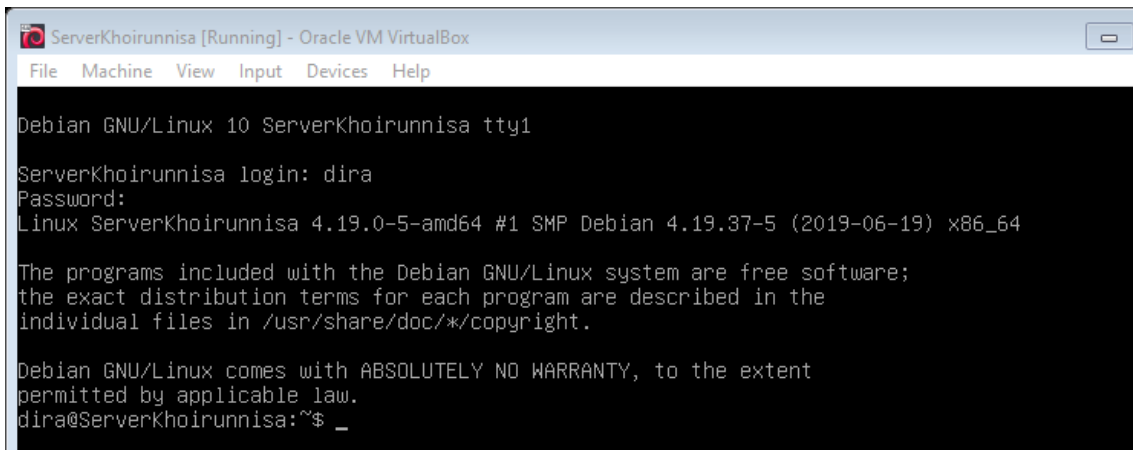
```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# deluser dira
Removing user `dira' ...
Warning: group `dira' has no more members.
Done.
root@ServerKhoirunnisa:~#
```

3) Clear : untuk menghapus layar



```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# deluser dira
Removing user `dira' ...
Warning: group `dira' has no more members.
Done.
root@ServerKhoirunnisa:~# clear_
```

4) Login user biasa (\$) : untuk login user biasa yang tidak memiliki banyak kemampuan / kendali seperti super user.

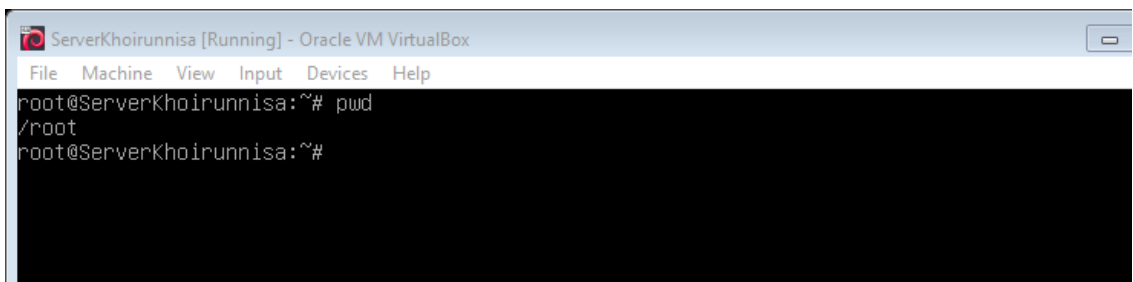


```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Debian GNU/Linux 10 ServerKhoirunnisa tty1
ServerKhoirunnisa login: dira
Password:
Linux ServerKhoirunnisa 4.19.0-5-amd64 #1 SMP Debian 4.19.37-5 (2019-06-19) x86_64

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

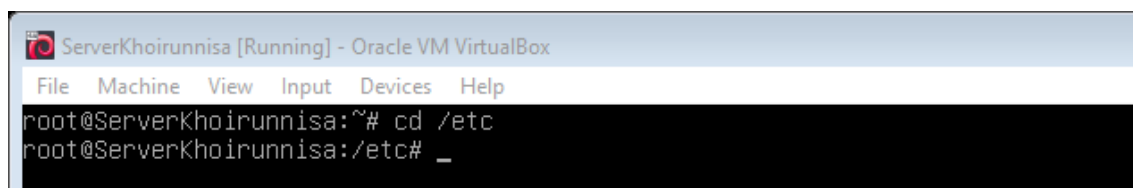
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
dira@ServerKhoirunnisa:~$ _
```

5) Pwd : untuk melihat direktori aktif



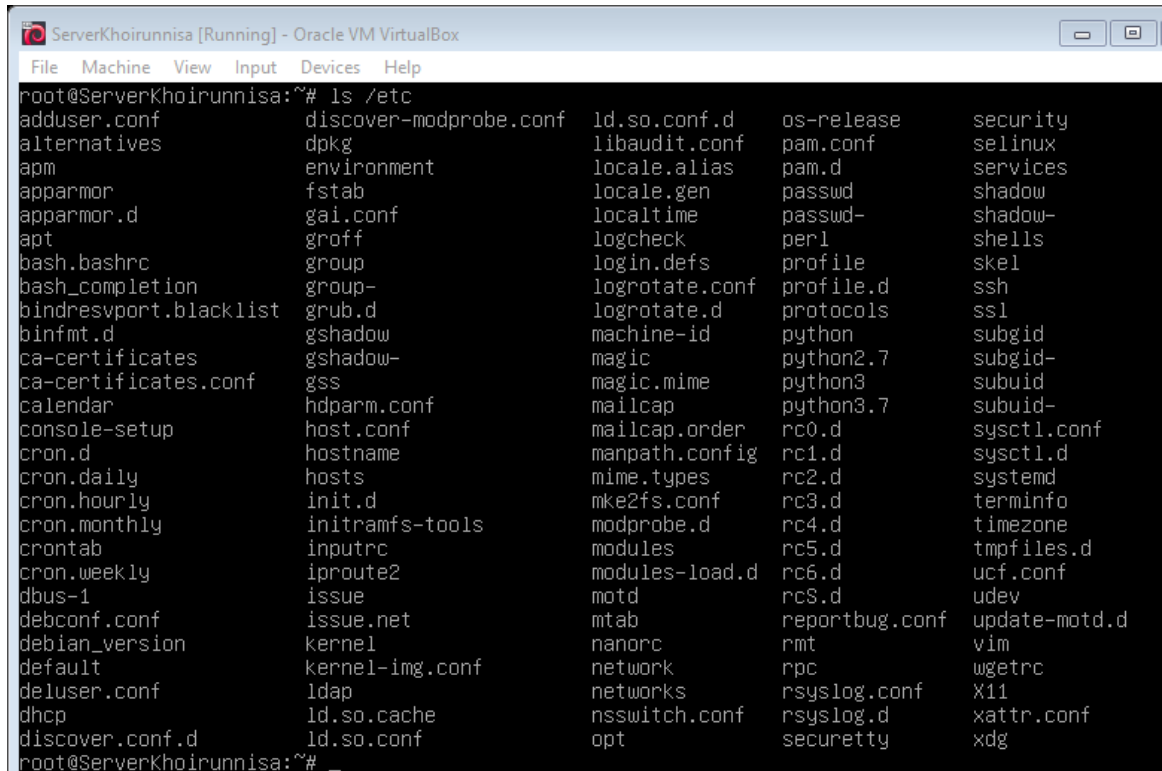
```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# pwd
/root
root@ServerKhoirunnisa:~#
```

6) Cd /etc : untuk masuk direktori /etc



```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# cd /etc
root@ServerKhoirunnisa:/etc# _
```

7) Ls / dir : untuk melihat isi folder

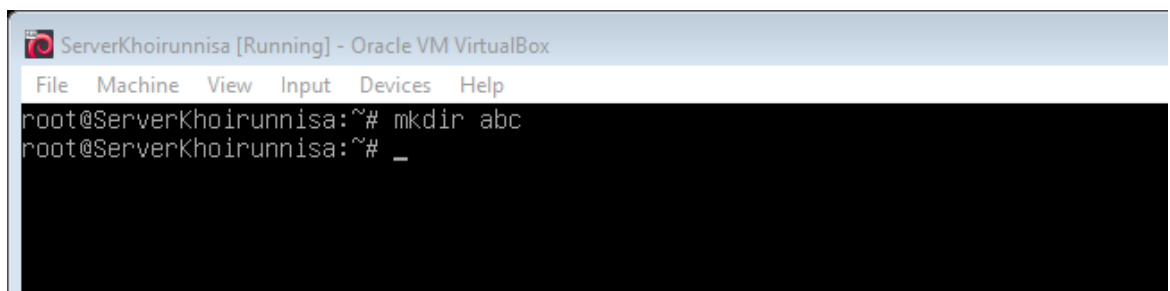


```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# ls /etc
adduser.conf          discover-modprobe.conf  ld.so.conf.d          os-release            security
alternatives          dpkg                   libaudit.conf         pam.conf              selinux
apm                   environment            locale.alias          pam.d                 services
apparmor             fstab                  locale.gen            passwd               shadow
apparmor.d           gai.conf               localtime            passwd-              shadow-
apt                  groff                  logcheck              perl                 shells
bash.bashrc          group                  login.defs            profile              skel
bash_completion      group-                 logrotate.conf        profile.d             ssh
bindresvport.blacklist grub.d                 logrotate.d           protocols            ssl
binfmt.d             gshadow               machine-id            python               subgid
ca-certificates      gshadow-              magic                 python2.7            subgid-
ca-certificates.conf gss                   magic.mime            python3              subuid
calendar             hdparm.conf           mailcap               python3.7            subuid-
console-setup        host.conf             mailcap.order         rc0.d                sysctl.conf
cron.d               hostname              manpath.config        rc1.d                sysctl.d
cron.daily           hosts                 mime.types            rc2.d                systemd
cron.hourly         init.d                mke2fs.conf           rc3.d                terminfo
cron.monthly        initramfs-tools       modprobe.d            rc4.d                timezone
crontab             inputrc               modules               rc5.d                tmpfiles.d
cron.weekly         iproute2              modules-load.d        rc6.d                ucf.conf
dbus-1              issue                 motd                  rc8.d                udev
debconf.conf         issue.net             mtab                  reportbug.conf       update-motd.d
debian_version      kernel                nanorc                rmt                  vim
default             kernel-img.conf       network               rpc                  wgetrc
deluser.conf         ldap                  networks              rsyslog.conf         X11
dhcp                 ld.so.cache           nsswitch.conf         rsyslog.d            xattr.conf
discover.conf.d      ld.so.conf            opt                   securetty             xdg
root@ServerKhoirunnisa:~# _
```

8) Perintah Shutdown

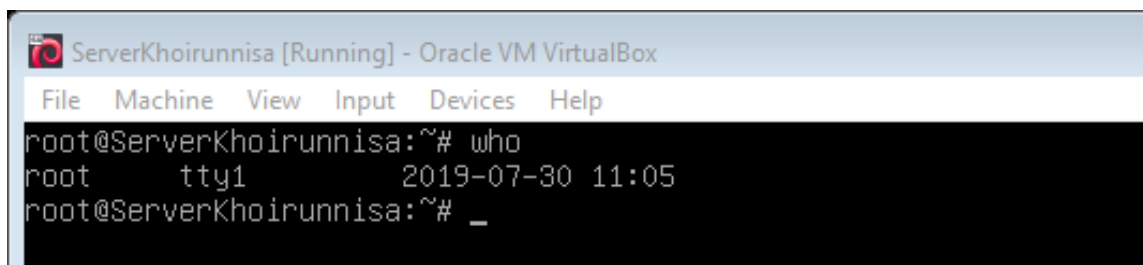
- a) Init 0
- b) Shutdown -h now
- c) Halt (secara paksa)

9) Mkdir : untuk membuat direktori



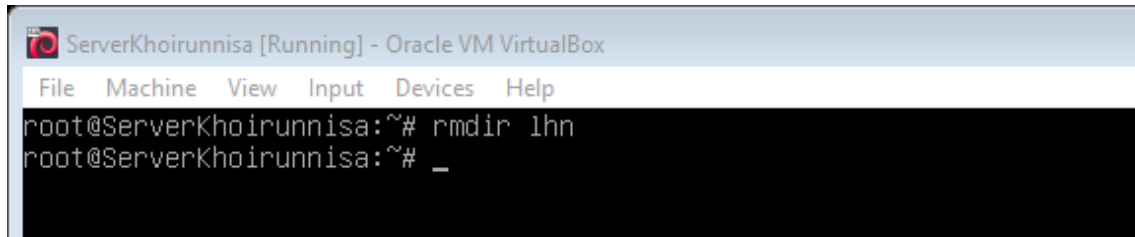
```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# mkdir abc
root@ServerKhoirunnisa:~# _
```

10) Who : untuk mengetahui user yang login



```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# who
root      tty1          2019-07-30 11:05
root@ServerKhoirunnisa:~# _
```

11) Rmdir : untuk menghapus direktori

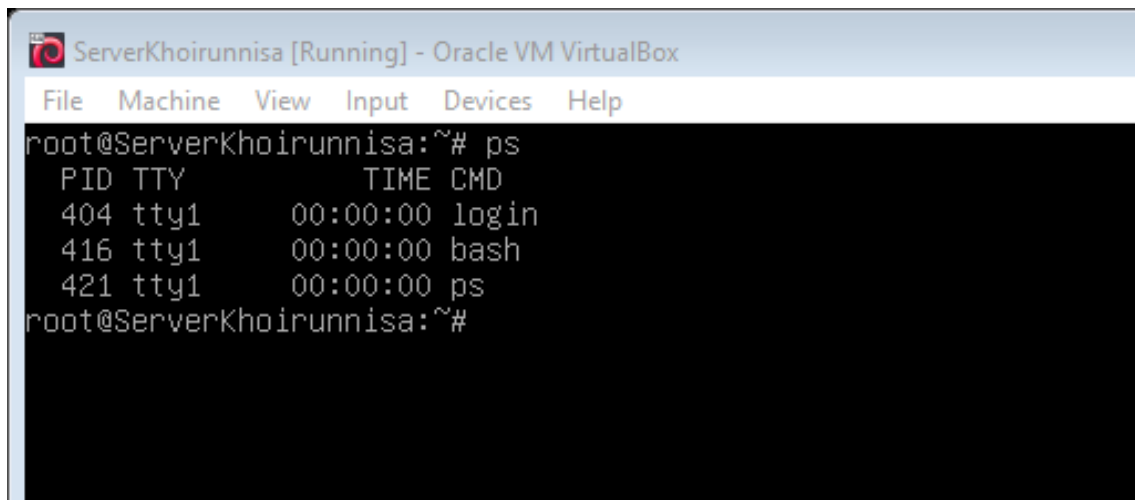


```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# rmdir lhn
root@ServerKhoirunnisa:~# _
```

12) Perintah log out

- a. logout
- b. Ctrl + D

13) Ps : untuk menampilkan snapshot



```
ServerKhoirunnisa [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
root@ServerKhoirunnisa:~# ps
  PID TTY          TIME CMD
  404 tty1        00:00:00 login
  416 tty1        00:00:00 bash
  421 tty1        00:00:00 ps
root@ServerKhoirunnisa:~#
```