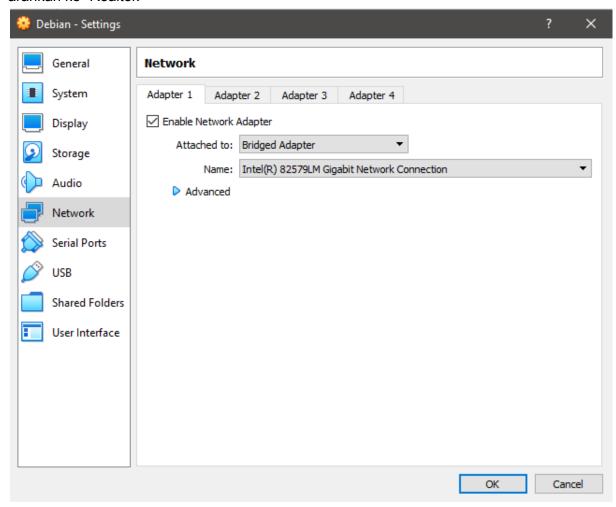
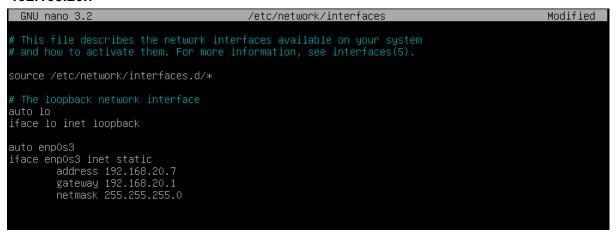
1. Kita konfigurasi virtual machine terlebih dahulu, disini pakai bridge kalau komputer arahkan ke "Realtek"



Gambar 1: Konfigurasi Interface

2. Setelah itu kita konfigurasi ip addressnya, disini saya setting static menjadi ip "192.168.20.7"



Gambar 2: Konfigurasi IP Address

 Lalu kita insert repository sesuai versinya bisa dilihat dengan cara "cat /etc/debian_version"

```
root@alphacntauri:~# cat /etc/debian_version
10.5
root@alphacntauri:~# cat /etc/apt/sources.list

# deb cdrom:[Debian GNU/Linux 10.5.0 _Buster_ - Official amd64 DVD Binary-1 20200801-11:35]/ buster
contrib main

deb cdrom:[Debian GNU/Linux 10.5.0 _Buster_ - Official amd64 DVD Binary-1 20200801-11:35]/ buster co
ntrib main

# Line commented out by installer because it failed to verify:
#deb http://security.debian.org/debian-security buster/updates main contrib

# Line commented out by installer because it failed to verify:
#deb-src http://security.debian.org/debian-security buster/updates main contrib

# buster-updates, previously known as 'volatile'

# A network mirror was not selected during install. The following entries
# are provided as examples, but you should amend them as appropriate
# for your mirror of choice.

# deb http://deb.debian.org/debian/ buster-updates main contrib

deb http://deb.debian.org/debian/ buster-updates main contrib

deb http://kartolo.sby.datautama.net.id/debian/ buster main contrib non-free
deb http://kartolo.sby.datautama.net.id/debian/ buster-updates main contrib non-free
deb http://kartolo.sby.datautama.net.id/debian-security/ buster/updates main contrib non-free
deb http://kartolo.sby.datautama.net.id/debian-security/ buster/updates main contrib non-free
root@alphacntauri:~# _
```

Gambar 3: Version debian & Repository

4. Next selanjutnya kita update repository dulu

```
root@alphacntauri:~# apt update -y
Ign:1 cdrom://[Debian GNU/Linux 10.5.0 _Buster_ - Official amd64 DVD Binary-1 20200801-11:35] buster
InRelease
Err:2 cdrom://[Debian GNU/Linux 10.5.0 _Buster_ - Official amd64 DVD Binary-1 20200801-11:35] buster
Release
Please use apt-cdrom to make this CD-ROM recognized by APT. apt-get update cannot be used to add n
ew CD-ROMs
Hit:3 http://kartolo.sby.datautama.net.id/debian buster InRelease
Hit:4 http://kartolo.sby.datautama.net.id/debian-security buster/updates InRelease
Hit:5 http://kartolo.sby.datautama.net.id/debian-security buster/updates InRelease
Ign:6 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:7 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:8 http://ftp.au.debian.org/debian buster InRelease
Ign:9 http://download.webmin.com/download/repository sarge InRelease
Hit:11 http://download.webmin.com/download/repository sarge Release
Reading package lists... Done
E: The repository 'cdrom://[Debian GNU/Linux 10.5.0 _Buster_ - Official amd64 DVD Binary-1 20200801-
11:35] buster Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
root@alphacntauri:~#
```

Gambar 4: Update repository

5. Konfigurasi DNS Server

```
[1/3]
                                                                                                            Modified
                                                      smk.int
 BIND data file for local loopback interface
                            smk13403.co.id. root.smk13403.co.id. (
                                                ; Serial
                             604800
                                               ; Refresh
                                               ; Retry
; Expire
                              86400
                            2419200
                             604800 )
                                               ; Negative Cache TTL
                                      smk13403.co.id.
192.168.1.136
                   ΙN
                                      192.168.1.136
192.168.1.136
mail
cacti
                                      192.168.1.8
192.168.1.7_
                   ΙN
smk13403.co.id
```

Gambar 5: Setting Forward Zone

```
GNU nano 3.2
                                                   smk.rev
 BIND reverse data file for local loopback interface
TTL
        604800
                         smk13403.co.id. root.smk13403.co.id. (
                                          ; Serial
                                          ; Refresh
                          604800
                          86400
                                          ; Retry
                         2419200
                                          ; Expire
                          604800 )
                                          ; Negative Cache TTL
                         smk13403.co.id.
www.smk13403.co.id.
        ΙN
                PTR
PTR
                         cacti.smk13403.co.id.
136
                PTR
                         mail.smk13403.co.id.
                PTR
                         cctv.smk13403.co.id.
                PTR
                         voip.smk13403.co.id.
```

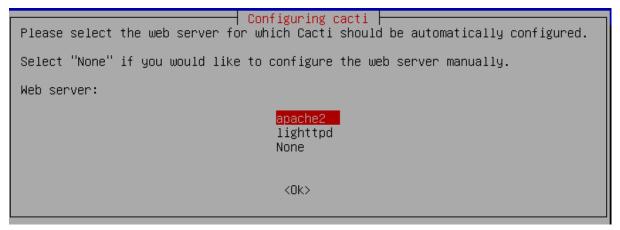
Gambar 5.1: Setting Rervese Zone

Gambar 5.2: Setting Local Zone

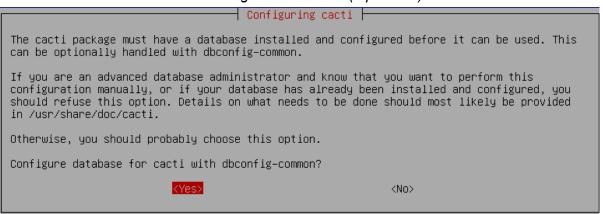
6. Setelah itu kita install cacti dengan command "apt install cacti snmp snmpd -y"

```
root@khairunisa:/etc/bind# apt install cacti snmp snmpd –y
```

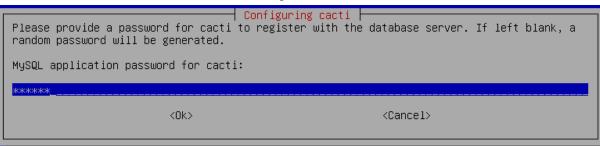
Gambar 6.1: Install Package



Gambar 6.2: Configure Webserver (apache2)



Gambar 6.3: Configure DBCONFIG



Gambar 6.4: Masukin Password (Bebas Apa aja)



Gambar 6.5: Rewrite password

7. Setelah itu konfigurasi file "snmpd.conf"

```
root@khairunisa:/etc/bind# cd /etc/snmp/
root@khairunisa:/etc/snmp# ls
snmp.conf snmpd.conf
root@khairunisa:/etc/snmp# nano snmpd.conf
```

Gambar 7.1: Buka file snmpd.conf

Gambar 7.2: Masukan ip addres server kalian

Gambar 7.3: Masukan custom rocomunity server kalian

8. Lalu jalankan command "snmpwalk -v2c -c {namarocomunityserver} {ip address}"

```
root@khairunisa:/etc/snmp# snmpwalk –v2c –c khairunisaserver 192.168.1.136
Timeout: No Response from 192.168.1.136
root@khairunisa:/etc/snmp#
```

Gambar 8: Runnin snmpwalk

9. Lalu buat vhost untuk cacti

```
root@khairunisa:/etc/apache2/sites–available# cp 000–default.conf cacti.conf
root@khairunisa:/etc/apache2/sites–available# nano cacti.conf _
```

Gambar 9.1: Copy file default to cacti configuration

Gambar 9.2: Configure VHOST

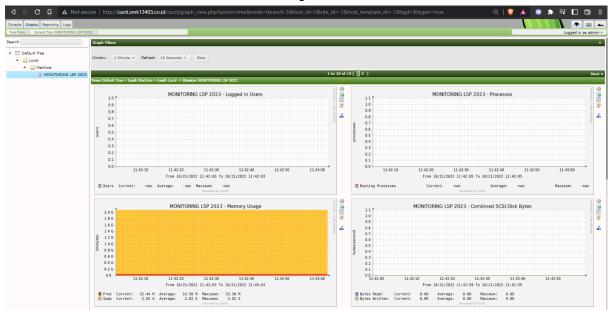
```
root@khairunisa:/etc/apache2/sites—available# a2ensite cacti.conf
Enabling site cacti.
To activate the new configuration, you need to run:
   systemctl reload apache2
root@khairunisa:/etc/apache2/sites—available# systemctl restart apache2
root@khairunisa:/etc/apache2/sites—available# _
```

Gambar 9.3: a2ensite

- 10. Testing di web, dengan user admin dan password sesuaikan yang tadi di config pas dbconfig-common
- 11. Konfigurasi monitoring



Gambar 11.1: Konfigurasi Device



Gambar 11.2: Monitorng Apply