dokumentasi tentang instalasi Proxy Server

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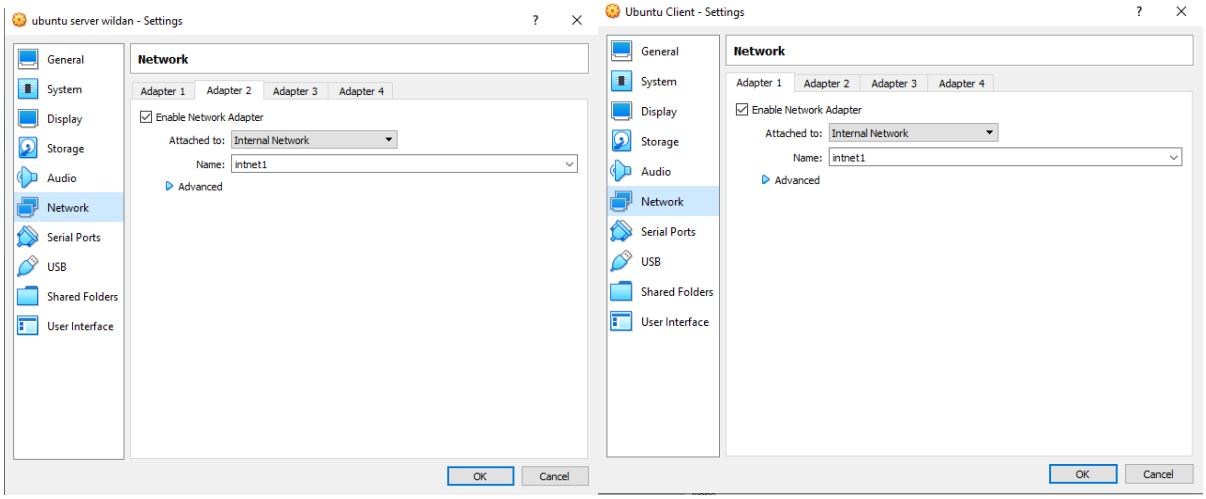
Kelas: 11 TKJ 2

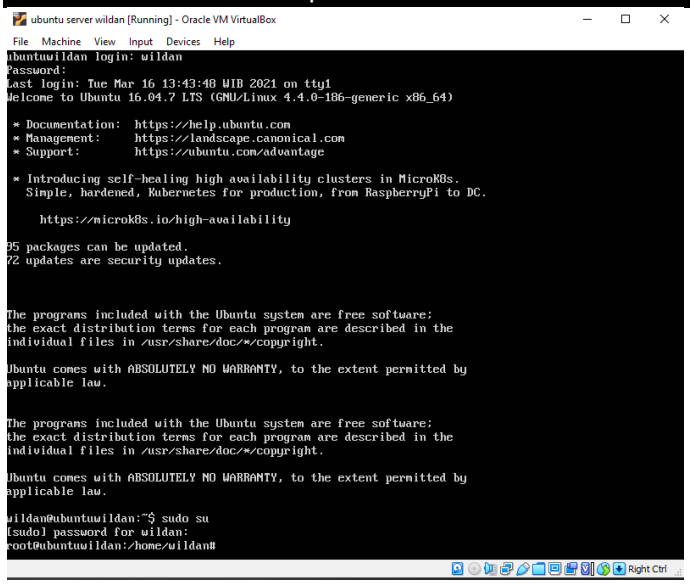
Server proksi atau server pewali adalah sebuah perantara yang bertindak sebagai perantara permintaan dari klien mencari sumber daya dari server lain. Klien A terhubung ke server perantara, meminta beberapa layanan, seperti berkas, sambungan, laman, atau sumber daya lainnya, yang tersedia dari server yang berbeda.

1. Setting network Ubuntu server dan Ubuntu client di virtual box seperti pada gambar berikut. (Virtualbox>VirualMachine>Setting>Network)



2. Buka Ubuntu server-nya dan login.
3. Masuk ke root dengan cara ketikkan perintah.

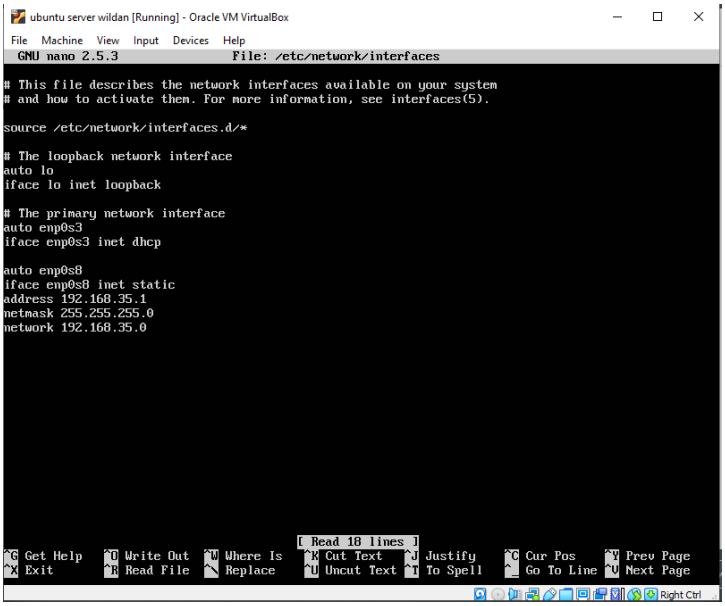
“sudo su” dan masukkan password



4. Masuk ke network interface dengan cara ketikkan perintah.

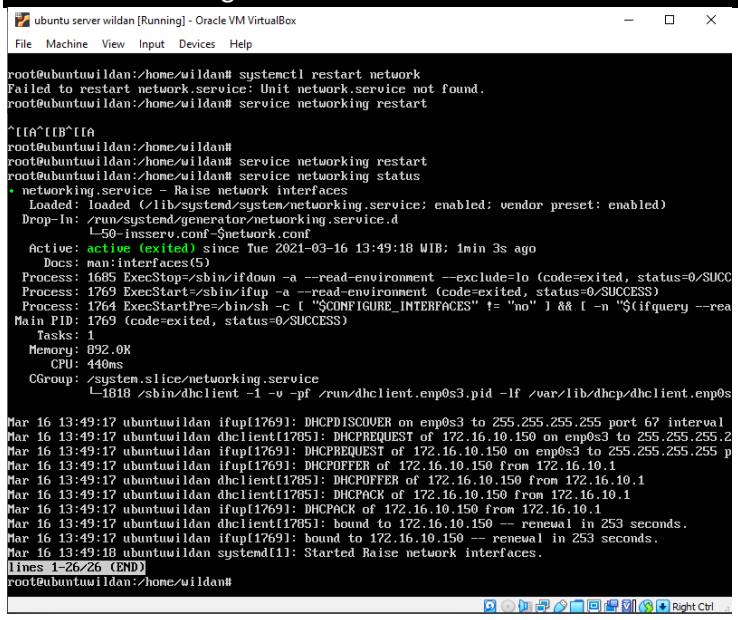
Sudo nano /etc/network/intefaces

5. Setting network interface seperti gambar berikut.



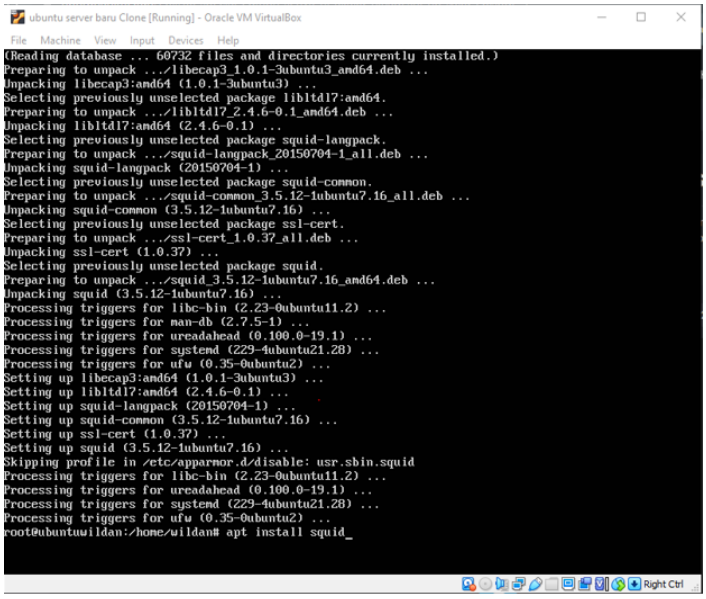
6. Ketik-kan perintah untuk melihat status network interface.

```
Service networking restart
Service networking status
```



7. Install proxy server dengan mengetikkan perintah.

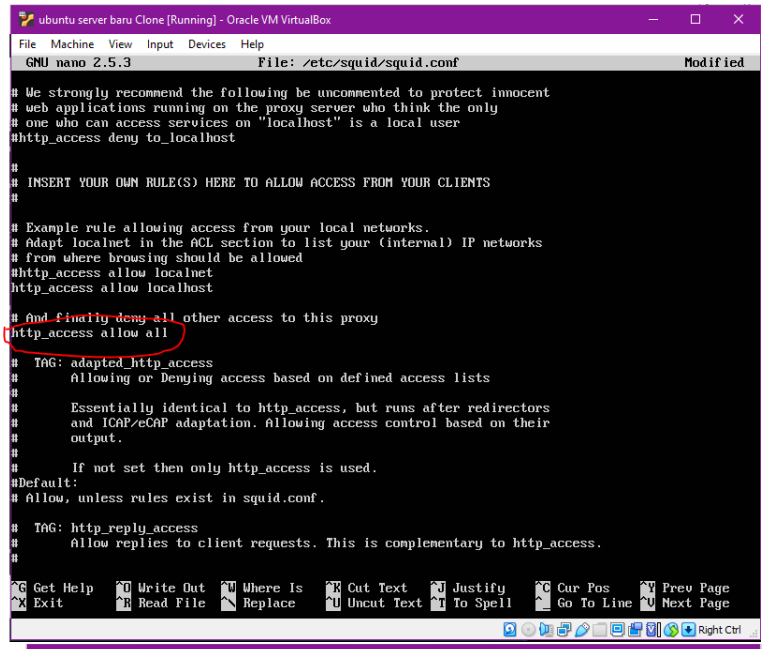
```
Sudo apt install squid
```

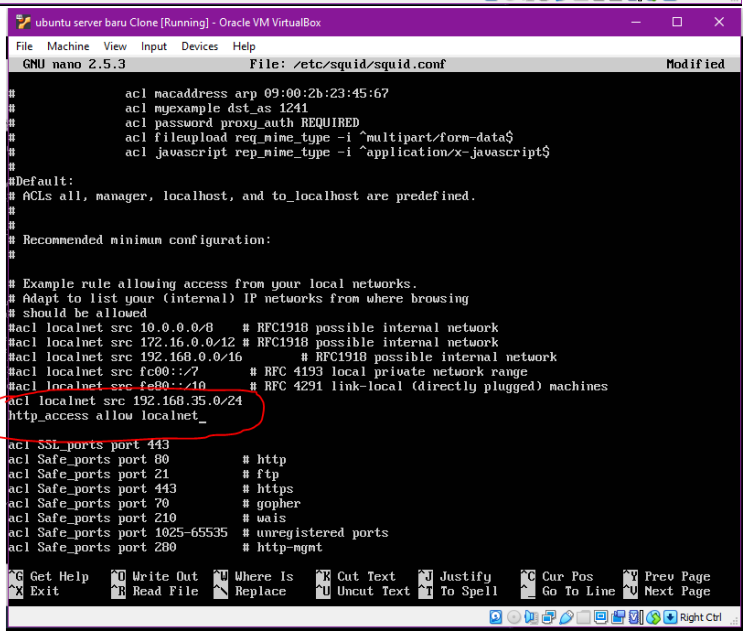


8. Masuk ke settingan squid dengan cara ketikkan perintah.

```
Sudo nano /etc/squid/squid.conf
```

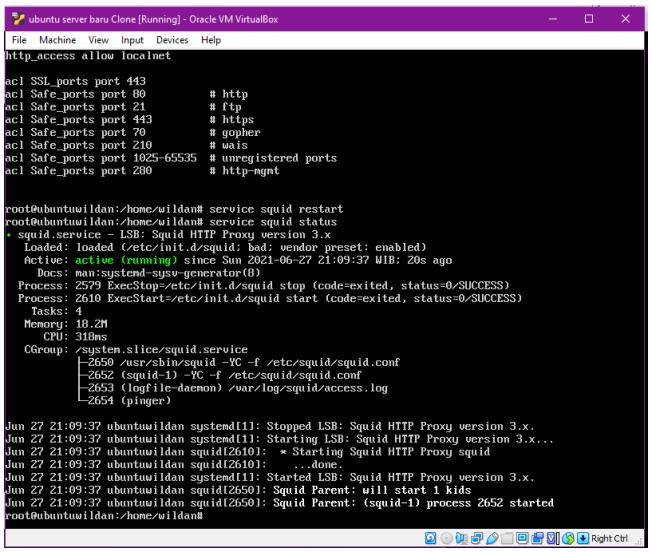
9. Setting squid seperti gambar berikut.



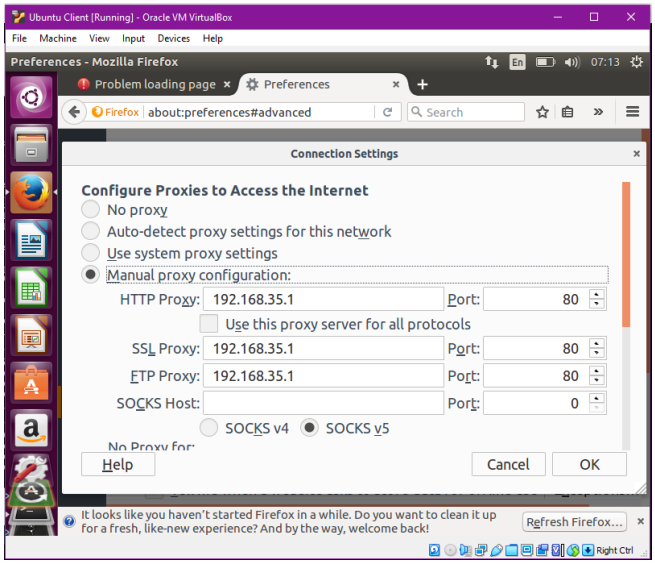


10. Ketik-kan perintah untuk melihat status squid server.

```
Service squid restart
Service squid status
```

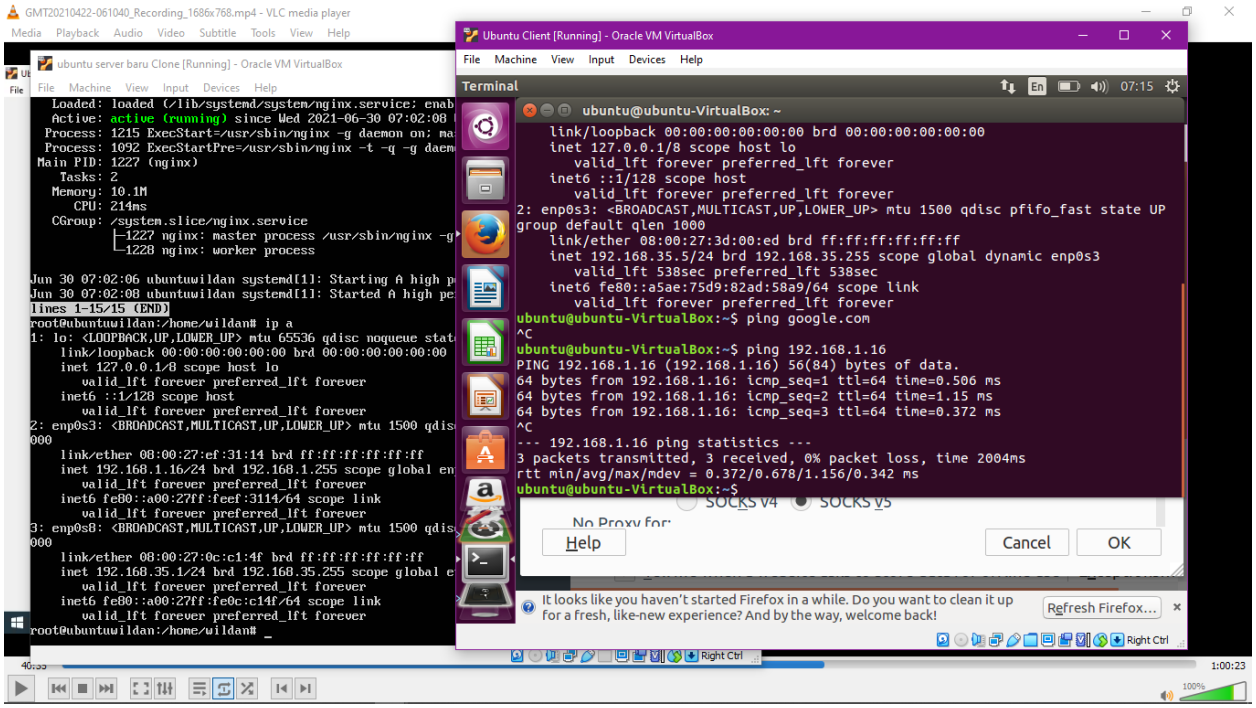


11. Buka Ubuntu client.
12. Masuk ke firefox>preferances>advanced>network>setting
13. Setting seperti gambar di bawah



14. Keti-kan perintah di Ubuntu client untuk mengecek hasil dari dhcp server.

```
Ping google.com
Ping 192.168.1.16
```


GMT20210422-061040_Recording_1686x768.mp4 - VLC media player
Media Playback Audio Video Subtitle Tools View Help
ubuntu server baru Clone [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Loaded: loaded (/lib/systemd/system/nginx.service; enab
Active: active (running) since Wed 2021-06-30 07:02:08
Process: 1215 ExecStart=/usr/sbin/nginx -g daemon on; ma
Process: 1092 ExecStartPre=/usr/sbin/nginx -t -q -g daem
Main PID: 1227 (nginx)
Tasks: 2
Memory: 10.1M
CPU: 214ms
CGroup: /system.slice/nginx.service
├─1227 nginx: master process /usr/sbin/nginx -g
└─1228 nginx: worker process
Jun 30 07:02:06 ubuntuwildan systemd[1]: Starting A high p
Jun 30 07:02:08 ubuntuwildan systemd[1]: Started A high pe
lines 1-15/15 (END)
root@ubuntuwildan:/home/wildan# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue stat
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdis
000
link/ether 08:00:27:ef:31:14 brd ff:ff:ff:ff:ff:ff
inet 192.168.1.16/24 brd 192.168.1.255 scope global en
valid_lft forever preferred_lft forever
inet6 fe80::a00:27ff:feef:3114/64 scope link
valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdis
000
link/ether 08:00:27:0c:c1:4f brd ff:ff:ff:ff:ff:ff
inet 192.168.35.1/24 brd 192.168.35.255 scope global e
valid_lft forever preferred_lft forever
inet6 fe80::a00:27ff:fe0c:c14f/64 scope link
valid_lft forever preferred_lft forever
root@ubuntuwildan:/home/wildan#
Ubuntu Client [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Terminal
En 07:15
ubuntu@ubuntu-VirtualBox: ~
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP
group default qlen 1000
link/ether 08:00:27:3d:00:ed brd ff:ff:ff:ff:ff:ff
inet 192.168.35.5/24 brd 192.168.35.255 scope global dynamic enp0s3
valid_lft 538sec preferred_lft 538sec
inet6 fe80::a5ae:75d9:82ad:58a9/64 scope link
valid_lft forever preferred_lft forever
ubuntu@ubuntu-VirtualBox:~$ ping google.com
^C
ubuntu@ubuntu-VirtualBox:~$ ping 192.168.1.16
PING 192.168.1.16 (192.168.1.16) 56(84) bytes of data.
64 bytes from 192.168.1.16: icmp_seq=1 ttl=64 time=0.506 ms
64 bytes from 192.168.1.16: icmp_seq=2 ttl=64 time=1.15 ms
64 bytes from 192.168.1.16: icmp_seq=3 ttl=64 time=0.372 ms
^C
--- 192.168.1.16 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2004ms
rtt min/avg/max/mdev = 0.372/0.678/1.156/0.342 ms
ubuntu@ubuntu-VirtualBox:~$
SOCKS v4 SOCKS v5
No Proxy for:
Help
Cancel
OK
It looks like you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!
Refresh Firefox...
Right Ctrl
1:00:23
100%