

# TUGAS PRAKTIKUM

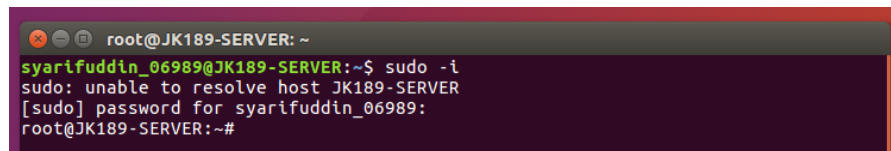
## SOAL PRAKTIKUM

1. Install aplikasi proxy minimal 3! (5 poin)
2. Konfigurasi agar client1 tidak bisa mengakses segala media social melalui browser chrome pada pukul 08:00 –17:00! Buktikan hasilnya! (30 poin).
3. Konfigurasi agar client2 tidak bisa melakukan download file apapun berekstensi .3gp, .mp4, .mkv pada pukul 17:01 – 07:59! Buktikan hasilnya! (25 poin).

### Jawaban :

1. Masuk ke super user dengan mengetikkan perintah:

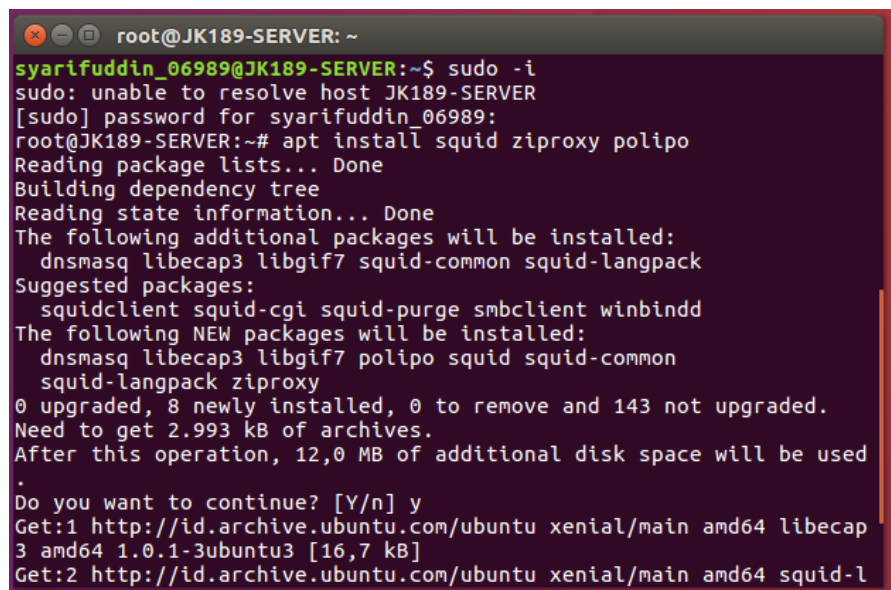
*# sudo -i*



```
root@JK189-SERVER: ~
syarifuddin_06989@JK189-SERVER:~$ sudo -i
sudo: unable to resolve host JK189-SERVER
[sudo] password for syarifuddin_06989:
root@JK189-SERVER:~#
```

2. Install aplikasi proxy dengan perintah:

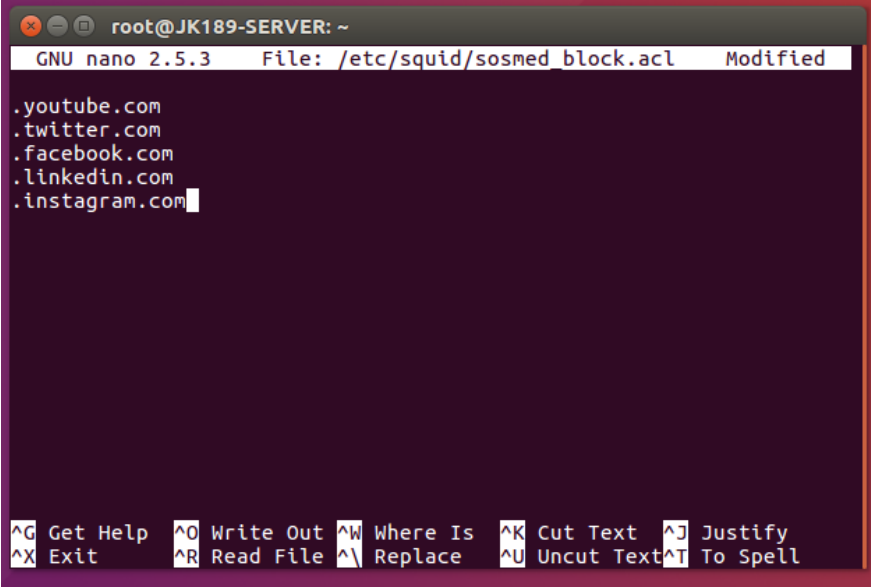
*# apt-get install squid polipo ziproxy*



```
root@JK189-SERVER: ~
syarifuddin_06989@JK189-SERVER:~$ sudo -i
sudo: unable to resolve host JK189-SERVER
[sudo] password for syarifuddin_06989:
root@JK189-SERVER:~# apt install squid ziproxy polipo
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  dnsmasq libcap3 libgif7 squid-common squid-langpack
Suggested packages:
  squidclient squid-cgi squid-purge smbclient winbindd
The following NEW packages will be installed:
  dnsmasq libcap3 libgif7 polipo squid squid-common
  squid-langpack ziproxy
0 upgraded, 8 newly installed, 0 to remove and 143 not upgraded.
Need to get 2.993 kB of archives.
After this operation, 12,0 MB of additional disk space will be used
.
Do you want to continue? [Y/n] y
Get:1 http://id.archive.ubuntu.com/ubuntu xenial/main amd64 libcap3
3 amd64 1.0.1-3ubuntu3 [16,7 kB]
Get:2 http://id.archive.ubuntu.com/ubuntu xenial/main amd64 squid-l
```

## TUGAS PRAKTIKUM

3. Buat file konfigurasi untuk client1 pada “*/etc/squid/sosmed\_block.acl*” dan isikan alamat sosial media yang akan diblock, sebagai berikut :

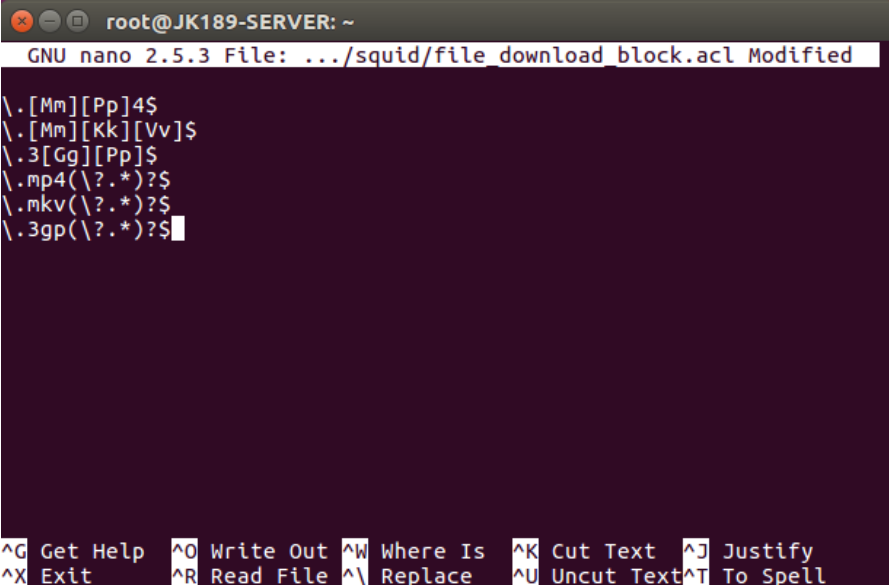


```
root@JK189-SERVER: ~
GNU nano 2.5.3 File: /etc/squid/sosmed_block.acl Modified

.youtube.com
.twitter.com
.facebook.com
.linkedin.com
.instagram.com

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text ^T To Spell
```

4. Buat file konfigurasi untuk client1 pada “*/etc/squid/file\_download\_block.acl*” dan isikan extensi file yang akan diblock, sebagai berikut :



```
root@JK189-SERVER: ~
GNU nano 2.5.3 File: ../squid/file_download_block.acl Modified

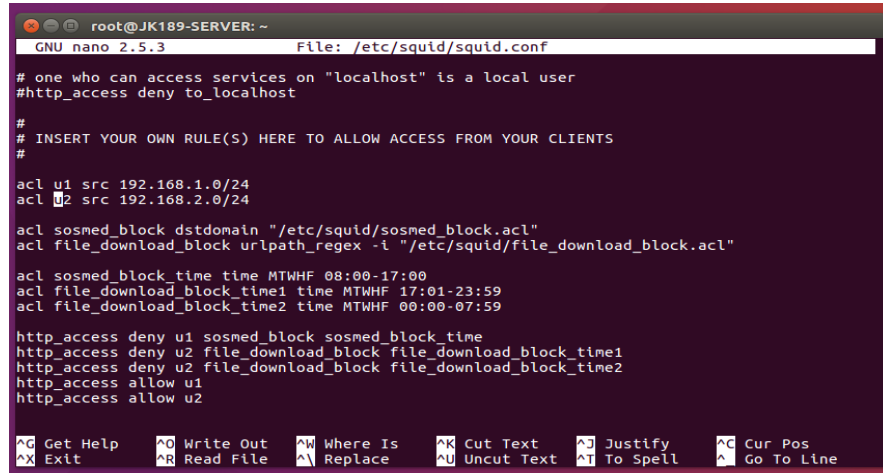
\[Mm][Pp]4$
\[Mm][Kk][Vv]$
\.3[Gg][Pp]$
\.mp4(\?.*)?$
\.mkv(\?.*)?$
\.3gp(\?.*)?$

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text ^T To Spell
```

## TUGAS PRAKTIKUM

### 5. Setting konfigurasi squid3 di file “/etc/squid/squid.conf”

*# nano /etc/squid/squid.conf*



```
root@JK189-SERVER: ~
GNU nano 2.5.3 File: /etc/squid/squid.conf

# one who can access services on "localhost" is a local user
#http_access deny to_localhost

#
# INSERT YOUR OWN RULE(S) HERE TO ALLOW ACCESS FROM YOUR CLIENTS
#

acl u1 src 192.168.1.0/24
acl u2 src 192.168.2.0/24

acl sosmed_block dstdomain "/etc/squid/sosmed_block.acl"
acl file_download_block urlpath_regex -i "/etc/squid/file_download_block.acl"

acl sosmed_block_time time MTWHF 08:00-17:00
acl file_download_block_time1 time MTWHF 17:01-23:59
acl file_download_block_time2 time MTWHF 00:00-07:59

http_access deny u1 sosmed_block sosmed_block_time
http_access deny u2 file_download_block file_download_block_time1
http_access deny u2 file_download_block file_download_block_time2
http_access allow u1
http_access allow u2

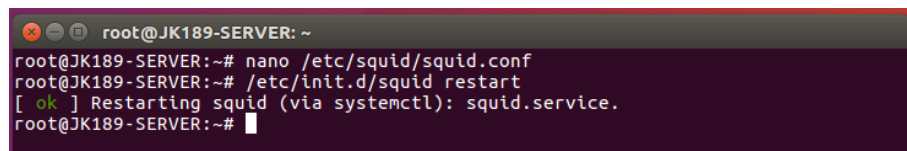
^G Get Help      ^O Write Out    ^W Where Is     ^K Cut Text      ^J Justify      ^C Cur Pos
^X Exit          ^R Read File    ^_ Replace      ^U Uncut Text   ^T To Spell     ^_ Go To Line
```

### 6. Restart squid:

*# service squid restart*

Atau

*# /etc/init.d/squid restart*



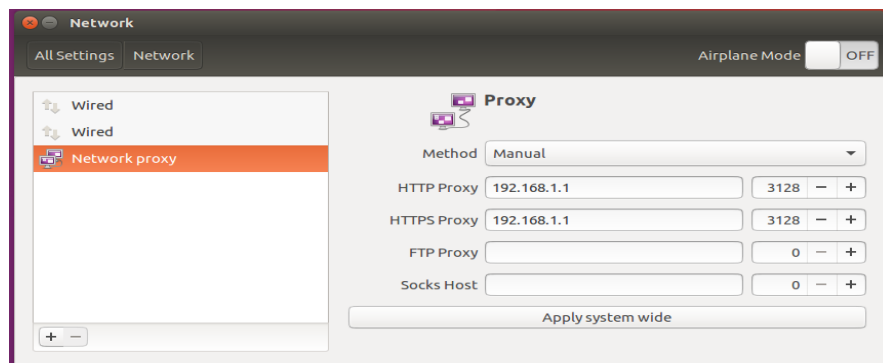
```
root@JK189-SERVER: ~
root@JK189-SERVER:~# nano /etc/squid/squid.conf
root@JK189-SERVER:~# /etc/init.d/squid restart
[ ok ] Restarting squid (via systemctl): squid.service.
root@JK189-SERVER:~#
```

### 7. Kemudian konfigurasi proxy sebagai berikut :

Untuk client1 dengan IP : 192.168.1.1 & port :3128

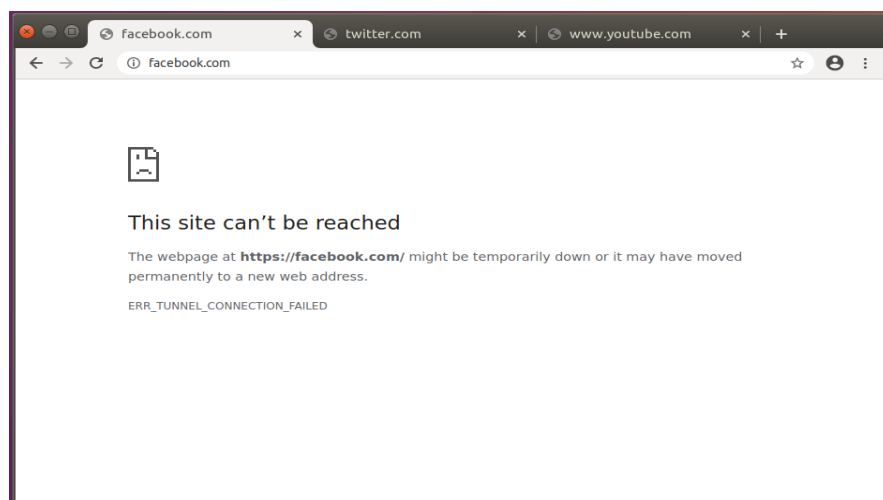
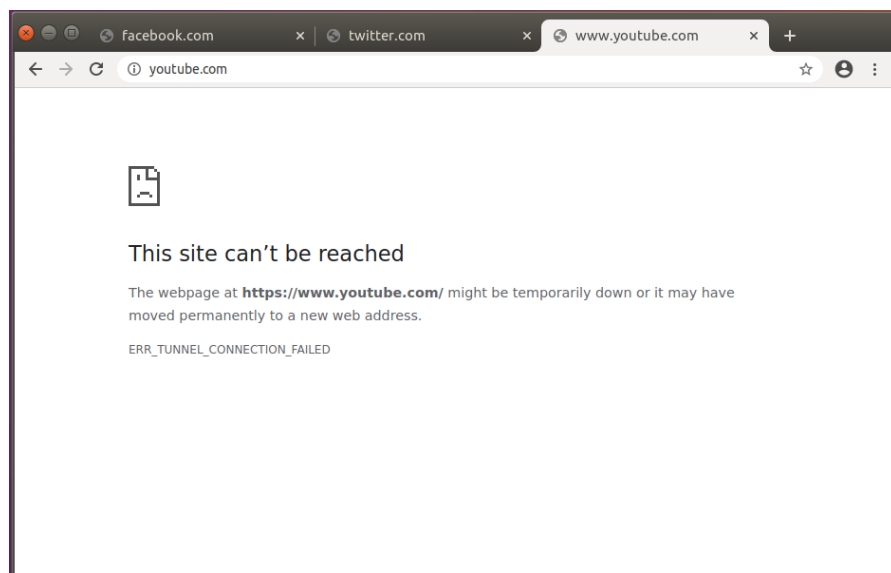
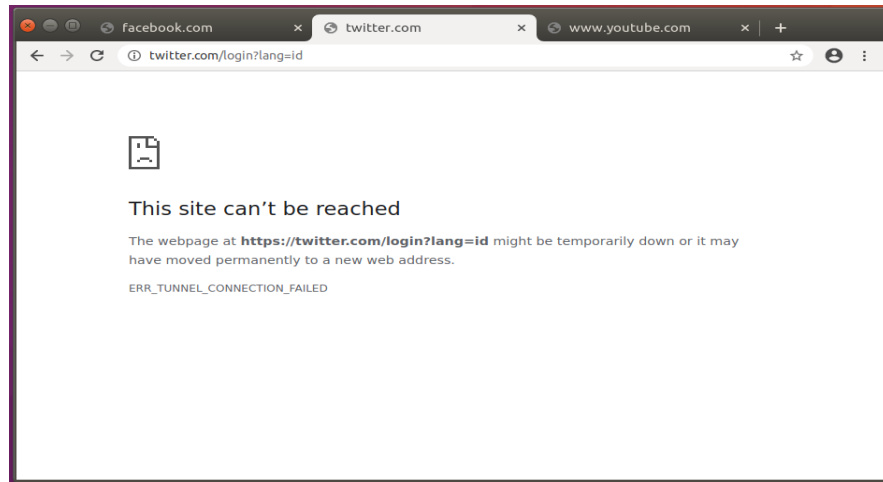
Untuk client2 dengan IP : 192.168.2.1 & port :3128

Berikut adalah contohnya,



## TUGAS PRAKTIKUM

8. Selanjutnya kita lakukan tes ke client1 dengan mengakses sosial media dengan waktu yang telah ditentukan, dan hasilnya ialah sebagai berikut,



# TUGAS PRAKTIKUM

9. Kemudian untuk client2 ialah sebagai berikut,

