Proxy Server Debian 8

Pastikan sebelum nya sudah mengkonfigurasi IP

Masukan iso Debian dvd 2

Install proxy server

```
root@aril:~# apt-get install squid3_
```

Masukan iso Debian dvd 1 kemudian enter

```
'Debian GNU/Linux 8.5.0 _Jessie_ - Official i386 DVD Binary-1 20160604-14:09'
in the drive '/media/cdrom/' and press enter
```

Masukan Kembali iso Debian dvd 2 kemudian enter

```
'Debian GNU/Linux 8.5.0 _Jessie_ - Official i386 DVD Binary-2 20160604-14:09'
in the drive '/media/cdrom/' and press enter
```

Ketikan perintah

```
root@aril:~# nano /etc/squid3/squid.conf _
```

Klik ctrl + w untuk mencari kata http_port 3128 kemudian enter

```
Search: http_port 3128
^G Get Help      ^Y First Line
^C Cancel        ^V Last Line
```

Before

```
# Squid normally listens to port 3128
http_port 3128
```

After

```
# Squid normally listens to port 3128
http_port 3128 transparent
```

Klik ctrl + w untuk mencari kata cache_mem 256 kemudian enter

```
Search [cache_mem]: cache_mem 256
^G Get Help      ^Y First Line    ^T
^C Cancel        ^V Last Line     ^R
```

Before

```
#Default:
# cache_mem 256 MB
```

After

```
#Default:
cache_mem 256 MB
```

Klik ctrl + w untuk mencari kata cache_mgr kemudian enter

```
Search [cache_mem 256]: cache_mgr
^G Get Help      ^Y First Line    ^T
^C Cancel        ^V Last Line     ^R
```

Before

```
#Default:
# cache_mgr webmaster
```

After

```
#Default:
cache_mgr aril@smkkbm
```

Klik ctrl + w untuk mencari kata http_access deny all kemudian enter

```
Search [cache_mgr]: http_access deny all
^G Get Help      ^Y First Line    ^T Go To L
^C Cancel        ^V Last Line     ^R Replace
```

Before

```
# And finally deny all other access to this proxy
http_access deny all
```

After

```
# And finally deny all other access to this proxy
# http_access deny all
```

Klik ctrl + w untuk mencari kata acl connect kemudian enter

```
Search [http_access deny all]: acl connect
^G Get Help      ^Y First Line    ^T Go To Line
^C Cancel        ^V Last Line     ^R Replace
```

Tambahkan script di bawah ini

```
acl SSL_ports port 443
acl Safe_ports port 80          # http
acl Safe_ports port 21          # ftp
acl Safe_ports port 443         # https
acl Safe_ports port 70          # gopher
acl Safe_ports port 210         # wais
acl Safe_ports port 1025-65535  # unregistered ports
acl Safe_ports port 280         # http-mgmt
acl Safe_ports port 488         # gss-http
acl Safe_ports port 591         # filemaker
acl Safe_ports port 777         # multiling http
acl CONNECT method CONNECT
acl situs dstdomain "/etc/squid3/situs"
acl lan src 192.168.1.0/24          Sesuaikan dengan network kalian

http_access deny situs
http_access allow all
http_access allow lan

#  TAG: follow_x_forwarded_for
#         Allowing or Denying the X-Forwarded-For header t
```

Restart squid

```
root@aril:~# /etc/init.d/squid3 restart
```

Masuk ke rc.local

```
root@aril:~# nano /etc/rc.local
```

Tambahkan script di bawah

```
#!/bin/sh -e
#
# rc.local
#
# This script is executed at the end of each multiuser runlevel.
# Make sure that the script will "exit 0" on success or any other
# value on error.
#
# In order to enable or disable this script just change the execution
# bits.
#
# By default this script does nothing.

iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE

iptables -t nat -A PREROUTING -i eth1 -p tcp --dport 80 -j REDIRECT --to-port 3128

exit 0
```

Ketikan script berikut ini

```
root@aril:~# iptables -t nat -A PREROUTING -p tcp --dport 80 -j REDIRECT --to-port 3128_
```

Start rc.local

```
root@aril:~# /etc/init.d/rc.local start_
```

Restart rc.local

```
root@aril:~# /etc/init.d/rc.local restart_
```

Masuk ke file situs

```
root@aril:~# nano /etc/squid3/situs
```
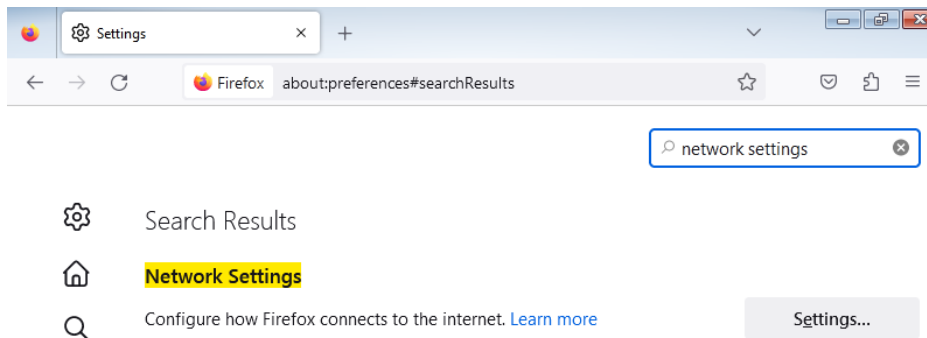
Ketik situs apa saja yang akan di blok

```
  GNU nano 2.2.6

www.kompas.com
www.gamepress.gg
www.lipi.go.id
```
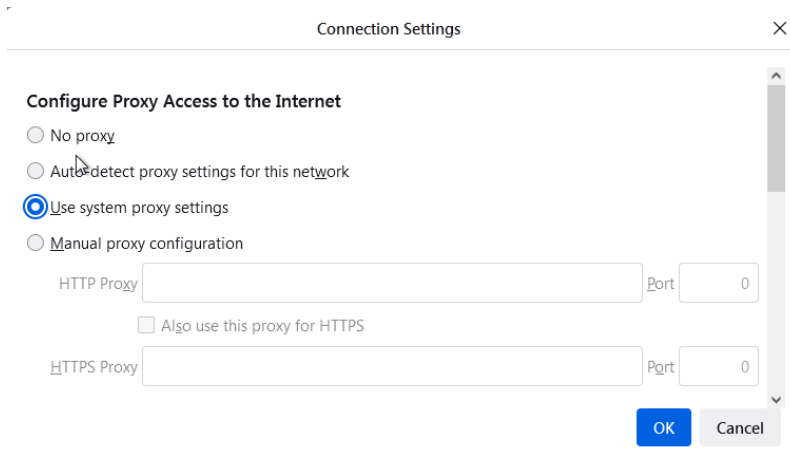
Restart squid3

```
root@aril:~# /etc/init.d/squid3 restart_
```
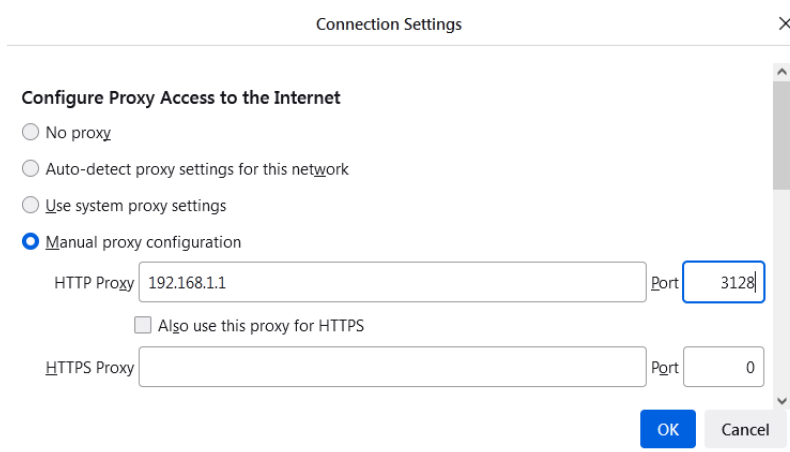
Tahap pengujian

Buka web browser saya lebih menyarankan menggunakan mozilla firefox, kemudian setting > network setting
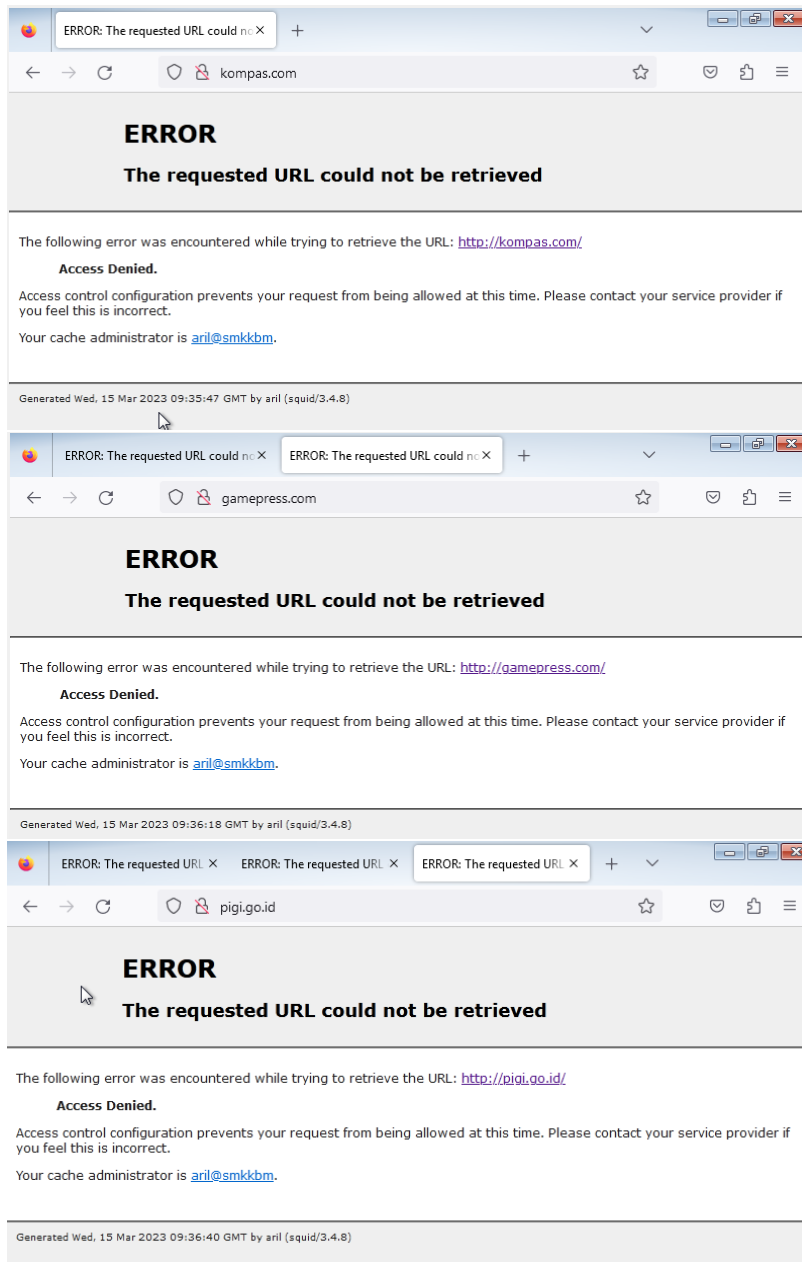

Rubah ke manual proxy configuration

Rubah menjadi seperti ini

Buka kompas.com , gamepress.com , lipi.go.id

Berhasil

Proxy ini hanya mampu memblokir situs yang masih http untuk yg https tidak bisa