LAMPIRAN A :
Isi File *"/etc/network/interfaces"*

This file describes the network interfaces available on your system
and how to activate them. For more information, see interfaces (5).

The loopback network interface
auto lo
iface lo inet loopback

The primary network interface allow-hotplug
auto eth0
iface eth0 inet dhcp

the second network
auto eth1
iface eth1 inet static
        address 192.168.100.254
        netmask 255.255.255.0
        network 192.168.100.0
        broadcast 192.168.100.255

LAMPIRAN B :

Isi File *"/etc/rc.local"*

```
#!/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.
# echo 1 > /proc/sys/net/ipv4/ip_forward

echo 1 > /proc/sys/net/ipv4/ip_forward
iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
iptables -t nat -A POSTROUTING -o eth1 -p tcp --dport 80 -j REDIRECT --to-
ports 3128
exit 0
```

LAMPIRAN C :

Isi File *"/etc/sysctl.conf"*

```
# /etc/sysctl.conf - Configuration file for setting system variables
# See /etc/sysctl.d/ for additonal system variables
# See sysctl.conf (5) for information.
#
#kernel.domainname = example.com
# Uncomment the following to stop low-level messages on console
#kernel.printk = 3 4 1 3
##############################################################3
# Functions previously found in netbase
#
# Uncomment the next two lines to enable Spoof protection (reverse-path
filter)
# Turn on Source Address Verification in all interfaces to
# prevent some spoofing attacks
#net.ipv4.conf.default.rp_filter=1
#net.ipv4.conf.all.rp_filter=1
# Uncomment the next line to enable TCP/IP SYN cookies
# See http://lwn.net/Articles/277146/
# Note: This may impact IPv6 TCP sessions too
#net.ipv4.tcp_syncookies=1
# Uncomment the next line to enable packet forwarding for IPv4
net.ipv4.ip_forward=1
# Uncomment the next line to enable packet forwarding for IPv6
#  Enabling this option disables Stateless Address Autoconfiguration
#  based on Router Advertisements for this host
#net.ipv6.conf.all.forwarding=1
#############################################################
```

Additional settings - these settings can improve the network

security of the host and prevent against some network attacks

including spoofing attacks and man in the middle attacks through

redirection. Some network environments, however, require that these

settings are disabled so review and enable them as needed.

#

Do not accept ICMP redirects (prevent MITM attacks)

#net.ipv4.conf.all.accept_redirects = 0

#net.ipv6.conf.all.accept_redirects = 0

_or_

Accept ICMP redirects only for gateways listed in our default

gateway list (enabled by default)

net.ipv4.conf.all.secure_redirects = 1

#

Do not send ICMP redirects (we are not a router)

#net.ipv4.conf.all.send_redirects = 0

#

Do not accept IP source route packets (we are not a router)

#net.ipv4.conf.all.accept_source_route = 0

#net.ipv6.conf.all.accept_source_route = 0

#

Log Martian Packets

#net.ipv4.conf.all.log_martians = 1

#

LAMPIRAN D :
Isi File *"/etc/resolv.conf"*

nameserver 192.168.1.1

LAMPIRAN E :

Test Pemberian *IP Address*

root@debian:/home/ruby# ifconfig

eth0   Link encap:Ethernet HWaddr 00:50:ba:62:d5:e4
          inet addr:192.168.1.101 Bcast:192.168.1.255 Mask:255.255.255.0
          inet6 addr: fe80::250:baff:fe62:d5e4/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:7710 errors:0 dropped:0 overruns:0 frame:0
          TX packets:4701 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:9918666 (9.4 MiB) TX bytes:338194 (330.2 KiB)
          Interrupt:19 Base address:0xa000

eth1   Link encap:Ethernet HWaddr 00:14:2a:5f:a7:af
          inet addr:192.168.100.254 Bcast:192.168.100.255 Mask:255.255.255.0
          inet6 addr: fe80::214:2aff:fe5f:a7af/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:232 errors:0 dropped:0 overruns:0 frame:0
          TX packets:155 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:37353 (36.4 KiB) TX bytes:29458 (28.7 KiB)
          Interrupt:21 Base address:0xa400

lo   Link encap:Local Loopback
          inet addr:127.0.0.1 Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING MTU:16436 Metric:1
          RX packets:184 errors:0 dropped:0 overruns:0 frame:0
          TX packets:184 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0

LAMPIRAN F :

Isi File *"/etc/dhcp/dhcpd.conf"*

Sample configuration file for ISC dhcpd for Debian

#

ddns-update-style none;

option definitions common to all supported networks...

option domain-name "example.org";

option domain-name-servers ns1.example.org, ns2.example.org;

default-lease-time 600;

max-lease-time 7200;

If this DHCP server is the official DHCP server for the local

network, the authoritative directive should be uncommented.

#authoritative;

No service will be given on this subnet, but declaring it helps the

DHCP server to understand the network topology.

#subnet 10.152.187.0 netmask 255.255.255.0 {

#}

This is a very basic subnet declaration.

#subnet 10.254.239.0 netmask 255.255.255.224 {

range 10.254.239.10 10.254.239.20;

option routers rtr-239-0-1.example.org, rtr-239-0-2.example.org;

#}

This declaration allows BOOTP clients to get dynamic addresses,

which we don't really recommend.

#subnet 10.254.239.32 netmask 255.255.255.224 {

range dynamic-bootp 10.254.239.40 10.254.239.60;

option broadcast-address 10.254.239.31;

option routers rtr-239-32-1.example.org;

LAMPIRAN G :

Isi File *"/etc/samba/smb.conf"*

 [data]
  comment = share dari data
  path = /home/ruby/data
  browseable = yes
  writeable = yes
  valid user = data
  admin user = root

LAMPIRAN H :

Isi File *"/etc/squid/squid_passwd"*

kasi:sjbsKvn67.jac
lurah:YqWFYp3QKPn5Q
umum:zb/LeNPrI1JHI
staf:jUljhlgdrkuFT

LAMPIRAN I :

Log pada squid *"tail -f /var/log/squid/access.log"*

root@debian:/var/log/squid# tail -f /var/log/squid/access.log

1108512159.364   0 192.168.100.10 TCP_DENIED/407 1756 GET
http://www.google.com/ - NONE/- text/html

1108512164.938   0 192.168.100.10 TCP_DENIED/407 1870 GET http://en-
us.fxfeeds.mozilla.com/en-US/firefox/headlines.xml - NONE/- text/html

1108512176.503   3643 192.168.100.10 TCP_MISS/302 2292 GET
http://www.google.com/ umum DIRECT/74.125.235.20 text/html

1108512180.549   4044 192.168.100.10 TCP_MISS/200 20533 GET
http://www.google.co.id/ umum DIRECT/74.125.235.24 text/html

1108512180.596   38 192.168.100.10 TCP_HIT/200 10293 GET
http://ssl.gstatic.com/gb/images/b_8d5afc09.png umum NONE/- image/png

1108512180.682   28 192.168.100.10 TCP_HIT/200 129086 GET
http://www.google.co.id/xjs/_/js/s/s,st,anim,jsa,c,sb,hv,wta,cr,cdos,pj,ssb,tbpr,t
bui,rsn,ob,mb,lc,du,ada,bihu,lu,m,tng,hsm,j,pcc,csitl/rt=j/ver=l3lFqRj_rDg.en_
US./d=1/rs=AItRSTNd2xM7N-7jiWER5XvKUf_O9OtaVQ umum NONE/-
text/javascript

1108512180.824   229 192.168.100.10 TCP_MISS/200 2367 GET
http://www.google.co.id/images/icons/product/chrome-48.png umum
DIRECT/74.125.235.24 image/png

1108512181.549   577 192.168.100.10 TCP_MISS/200 14242 GET
http://www.google.co.id/extern_chrome/4187a37ecaaa82fc.js umum
DIRECT/74.125.235.24 text/javascript

1108512181.558   569 192.168.100.10 TCP_MISS/200 919 GET
http://www.google.com/textinputassistant/tia.png umum
DIRECT/74.125.235.20 image/png

1108512181.588   994 192.168.100.10 TCP_MISS/200 7540 GET
http://www.google.co.id/images/srpr/logo3w.png umum
DIRECT/74.125.235.23 image/png

1108512182.149   1554 192.168.100.10 TCP_MISS/200 29227 GET
http://www.google.co.id/images/nav_logo107.png umum
DIRECT/74.125.235.31 image/png

1108512182.579   1546 192.168.100.10 TCP_MISS/200 5756 GET
http://www.google.co.id/images/swxa.gif umum DIRECT/74.125.235.24
image/gif

1108512182.648   1626 192.168.100.10 TCP_MISS/204 362 GET
http://clients1.google.co.id/generate_204 umum DIRECT/74.125.235.24
text/html

1108512182.801   2 192.168.100.10 TCP_HIT/200 17758 GET
http://ssl.gstatic.com/gb/js/sem_4131c95198cf723e2299704b5de49d1b.js
umum NONE/- text/javascript

1108512183.048   398 192.168.100.10 TCP_MISS/204 437 GET
http://www.google.co.id/csi? umum DIRECT/74.125.235.24 image/gif

1108512183.348   563 192.168.100.10 TCP_MISS/200 1686 GET http://www.google.co.id/favicon.ico umum DIRECT/74.125.235.31 image/x-icon

1108512193.413   0 192.168.100.10 TCP_DENIED/403 1460 GET http://www.facebook.com/ umum NONE/- text/html

1108512193.535   0 192.168.100.10 TCP_DENIED/403 1482 GET http://www.facebook.com/favicon.ico umum NONE/- text/html

1108512196.585   0 192.168.100.10 TCP_DENIED/403 1482 GET http://www.facebook.com/favicon.ico umum NONE/- text/html

1108512205.245   0 192.168.100.10 TCP_DENIED/403 1458 GET http://www.youtube.com/ umum NONE/- text/html

1108512205.347   0 192.168.100.10 TCP_DENIED/403 1480 GET http://www.youtube.com/favicon.ico umum NONE/- text/html

1108512208.349   0 192.168.100.10 TCP_DENIED/403 1480 GET http://www.youtube.com/favicon.ico umum NONE/- text/html