

## ROUTER

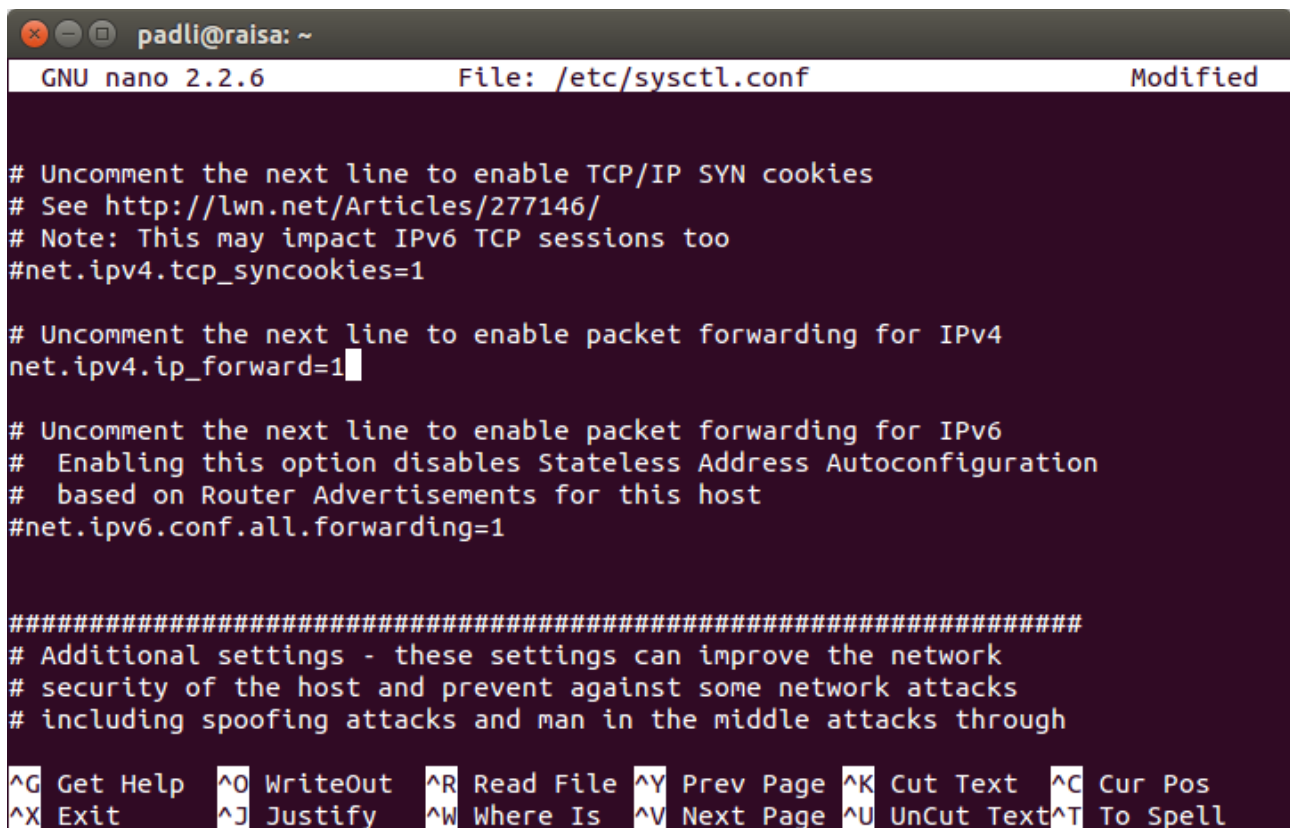
WAN - ROUTER - LAN

WAN → 192.168.100.1

ROUTER → eth0 192.168.100.10 eth1 192.168.2.1

LAN → 192.168.2.0/24

1. set "nano /etc/sysctl.conf" uncomment baris "net.ipv4.ip\_forward=1"



```
padli@raisa: ~
GNU nano 2.2.6      File: /etc/sysctl.conf      Modified

# 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

^G Get Help  ^O WriteOut  ^R Read File ^Y Prev Page ^K Cut Text  ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is  ^V Next Page ^U UnCut Text ^T To Spell
```

2. set "nano /etc/rc.local" tambahkan baris ini

```
padli@raisa: ~  
GNU nano 2.2.6 File: /etc/rc.local Modified  
#!/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 -s 192.168.2.0/24 -o eth0 -j MASQUERADE  
  
exit 0  
  
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos  
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
```

3. restart router

```
padli@raisa: ~  
padli@raisa:~$ sudo reboot
```

4. tes ping dari client

```
padli@raisa: ~  
padli@raisa:~$ ping 8.8.8.8  
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.  
64 bytes from 8.8.8.8: icmp_seq=1 ttl=55 time=41.7 ms  
64 bytes from 8.8.8.8: icmp_seq=2 ttl=55 time=37.3 ms  
64 bytes from 8.8.8.8: icmp_seq=3 ttl=55 time=51.6 ms  
64 bytes from 8.8.8.8: icmp_seq=4 ttl=55 time=42.3 ms
```