

SETTING MIKROTIK

1. Setting Interface

- ethernet1=E1-ISP
- ethernet1=E2-LOKAL
- wlan
 - > mode : apbridge
 - > ssid : nama@proxyUKK

2. Setting IP Address

E1-ISP : DHCP Client
E2-LOKAL : 192.168.100.1/25
wlan : 192.168.200.1/24

3. Setting DHCP

DHCP Setup > E2-LOKAL
DHCP Setup > wlan

4. Setting DNS (Allow remote request)

5. Setting Firewall

IP> Firewall > Nat

5. Setting Hotspot

6. Setting SNTP

7. Setting Web Proxy : enable : ceklist , chache administrator : nama@komputama.sch.id.

block file

web proxy : access

+ dst.port : 80, Dst.Host : *.linux.org, action : deny

+ dst.port : 80, path : *.mp3, action : deny

+ dst.port : 80, path : *.mkv, action : deny

nat +

general : chain : dstnat

protocol : tcp

dst port : 80

action : action : redirect

to port: 8080

8. Block IP 192.168.100.2 - 192.168.100.50 tidak dapat ping ke >> 192.168.100.1

Block IP 192.168.100.51 - 192.168.100.100 tidak dapat ping ke >> 192.168.200.1

Dengan Cara :

FILTER RULES +

CHAIN : INPUT

SRC ADDR :192.168.100.2-192.168.100.50

PROTOCOL : ICMP

ACTION : DROP

FILTER RULES +

CHAIN : INPUT

SRC ADDR :192.168.100.51-192.168.100.100

DST ADDR :192.168.200.0/24
PROTOCOL : ICMP
ACTION : DROP

Uji Coba

Cek IP Komputer Melalui cmd >> buka cmd, ketik ipconfig

Cek Ip komputer Melalui winbox >> IP > DHCP Server >> DHCP leases

9. Block Situs

layer 7 protocols +

name : linux.org

regexp : ^.(linux.org).*\$

ok

layer 7 protocols +

NAME : mp3

Regexp : \.(mp3)

OK

layer 7 protocols +

NAME : mkv

Regexp : \.(mkv)

OK

MANGLE

MANGLE +

GENERAL -> CHAIN : FORWARD

ADVANCED -> LAYER 7 PROTOCOL : mp3

ACTION -> Action : mark connection

New Connection Mark : mc_mp3 (ketik)

MANGLE +

GENERAL -> CHAIN : FORWARD

ADVANCED -> LAYER 7 PROTOCOL : mkv

ACTION -> Action : mark connection

New Connection Mark : mc_mkv (ketik)

MANGLE +

GENERAL -> CHAIN : FORWARD

CONNECTION Mark : mc_mp3

ACTION -> Action : mark packet

New Connection Mark : mp_mkv (ketik)

Passthrough (uang ceklistnya)

MANGLE +

GENERAL -> CHAIN : FORWARD

CONNECTION Mark : mc_mkv

ACTION -> Action : mark packet

New Connection Mark : mp_mkv (ketik)

Passthrough (uang ceklistnya)

filter rules +

general : chain : forward

out.int : ether1

advanced : layer 7 protocols : linux.org

action : drop

filter rules +

GENERAL -> CHAIN : FORWARD

PACKET MARK : mp_mp3

ACTION : DROP

filter rules +

GENERAL -> CHAIN : FORWARD

PACKET MARK : mp_mkv

ACTION : DROP