

LAMPIRAN

Listing script perancangan mikrotik pada CV. Mitra Tani :

```
interface set ether1 name=speedy
```

```
interface set ether2 name=Mitra
```

```
ip address add address 192.168.1.2/24 interface=speedy
```

```
ip address add address 192.168.0.254/24 interface=Mitra
```

```
ip route add gateway=192.168.1.1
```

```
ip dns setprimary-dns=203.134.0.155
```

```
ip dns set secondary-dns=202.134.1.10
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.1
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.2
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.3
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.4
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.5
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.6
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.7
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.8
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.9
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.10
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.11
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.12
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.13
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.14
```

```
ip firewall nat add chain=srcnat src-address=192.168.0.15
ip firewall nat add chain=srcnat src-address=192.168.0.16
ip firewall nat add chain=srcnat src-address=192.168.0.17
ip firewall nat add chain=srcnat src-address=192.168.0.18
ip firewall nat add chain=srcnat src-address=192.168.0.19
ip firewall nat add chain=srcnat src-address=192.168.0.20
ip firewall nat add chain=srcnat src-address=192.168.0.21
ip firewall nat add chain=srcnat src-address=192.168.0.22
ip firewall nat add chain=srcnat src-address=192.168.0.23
ip firewall nat add chain=srcnat src-address=192.168.0.24
ip firewall nat add chain=srcnat src-address=192.168.0.25
ip firewall nat add chain=srcnat src-address=192.168.0.26
ip firewall nat add chain=srcnat src-address=192.168.0.27
ip firewall nat add chain=srcnat src-address=192.168.0.28
ip firewall nat add chain=srcnat src-address=192.168.0.29
ip firewall nat add chain=srcnat src-address=192.168.0.30
ip arp addaddress=192.168.0.1 mac-address=[mac-address here]
ip arp addaddress=192.168.0.2 mac-address=[mac-address here]
ip arp addaddress=192.168.0.3 mac-address=[mac-address here]
ip arp addaddress=192.168.0.4 mac-address=[mac-address here]
ip arp addaddress=192.168.0.5 mac-address=[mac-address here]
ip arp addaddress=192.168.0.6 mac-address=[mac-address here]
ip arp addaddress=192.168.0.7 mac-address=[mac-address here]
```

ip arp addaddress=192.168.0.8 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.9 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.10 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.11 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.12 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.13 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.14 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.15 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.16 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.17 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.18 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.19 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.20 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.21 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.22 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.23 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.24 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.25 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.26 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.27 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.28 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.29 mac-address=[mac-address here] interface=Mitra

ip arp addaddress=192.168.0.30 mac-address=[mac-address here] interface=Mitra

```
ip firewall address-list add address=192.168.0.31-192.168.0.253 list=Block-IP
ip firewallfilter add chain=forward src-address=Block-IP action=drop
ip firewallfilter add chain=input src-address=Block-IP action=drop
ip firewallfilter add chain=output src-address=Block-IP action=drop
ip firewall mangle add chain=prerouting src-address=192.168.0.1 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC01-
ip firewall mangle add chain=prerouting src-address=192.168.0.2 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC02-
ip firewall mangle add chain=prerouting src-address=192.168.0.3 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC03-
ip firewall mangle add chain=prerouting src-address=192.168.0.4 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC04-
ip firewall mangle add chain=prerouting src-address=192.168.0.5 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC05-
ip firewall mangle add chain=prerouting src-address=192.168.0.6 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC06-
ip firewall mangle add chain=prerouting src-address=192.168.0.7 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark
ip firewall mangle add chain=prerouting src-address=192.168.0.8 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC08-
ip firewall mangle add chain=prerouting src-address=192.168.0.9 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC09-
ip firewall mangle add chain=prerouting src-address=192.168.0.10 dst-
    address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC10-
```

ip firewall mangle add chain=prerouting src-address=192.168.0.11 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC11-

ip firewall mangle add chain=prerouting src-address=192.168.0.12 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC12-

ip firewall mangle add chain=prerouting src-address=192.168.0.13 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC13-

ip firewall mangle add chain=prerouting src-address=192.168.0.14 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC14-

ip firewall mangle add chain=prerouting src-address=192.168.0.15 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC15-

ip firewall mangle add chain=prerouting src-address=192.168.0.16 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC16-

ip firewall mangle add chain=prerouting src-address=192.168.0.17 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC17-

ip firewall mangle add chain=prerouting src-address=192.168.0.18 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC18-

ip firewall mangle add chain=prerouting src-address=192.168.0.19 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC19-

ip firewall mangle add chain=prerouting src-address=192.168.0.20 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC20-

ip firewall mangle add chain=prerouting src-address=192.168.0.21 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC21-

ip firewall mangle add chain=prerouting src-address=192.168.0.22 dst-address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC22-

```
ip firewall mangle add chain=prerouting src-address=192.168.0.23 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC23-  
ip firewall mangle add chain=prerouting src-address=192.168.0.24 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC24-  
ip firewall mangle add chain=prerouting src-address=192.168.0.25 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC25-  
ip firewall mangle add chain=prerouting src-address=192.168.0.26 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC26-  
ip firewall mangle add chain=prerouting src-address=192.168.0.27 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark  
ip firewall mangle add chain=prerouting src-address=192.168.0.28 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC28-  
ip firewall mangle add chain=prerouting src-address=192.168.0.29 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC29-  
ip firewall mangle add chain=prerouting src-address=192.168.0.30 dst-  
address=!192.168.1.0/24 action=mark-connection new-connection-mark=PC30-  
ip firewall mangle add chain=prerouting connection-mark=PC01-con  
packet new-packet-mark=PC01  
ip firewall mangle add chain=prerouting connection-mark=PC02-con  
packet new-packet-mark=PC02  
ip firewall mangle add chain=prerouting connection-mark=PC03-con  
packet new-packet-mark=PC03  
ip firewall mangle add chain=prerouting connection-mark=PC04-con  
packet new-packet-mark=PC04
```

*ip firewall mangle add chain=prerouting connection-mark=PC05-con
action=mark- packet new-packet-mark=PC05*

*ip firewall mangle add chain=prerouting connection-mark=PC06-con
action=mark- packet new-packet-mark=PC06*

*ip firewall mangle add chain=prerouting connection-mark=PC07-con
action=mark- packet new-packet-mark =PC07*

*ip firewall mangle add chain=prerouting connection-mark=PC08-con
action=mark- packet new-packet-mark=PC08*

*ip firewall mangle add chain=prerouting connection-mark=PC09-con
action=mark- packet new-packet-mark=PC09*

*ip firewall mangle add chain=prerouting connection-mark=PC10-con
action=mark- packet new-packet-mark=PC10*

*ip firewall mangle add chain=prerouting connection-mark=PC11-con
action=mark- packet new-packet-mark=PC11*

*ip firewall mangle add chain=prerouting connection-mark=PC12-con
action=mark- packet new-packet-mark=PC12*

*ip firewall mangle add chain=prerouting connection-mark=PC13-con
action=mark- packet new-packet-mark=PC13*

*ip firewall mangle add chain=prerouting connection-mark=PC14-con
action=mark- packet new-packet-mark=PC14*

*ip firewall mangle add chain=prerouting connection-mark=PC15-con
action=mark- packet new-packet-mark=PC15*

*ip firewall mangle add chain=prerouting connection-mark=PC16-con
action=mark- packet new-packet-mark=PC16*

*ip firewall mangle add chain=prerouting connection-mark=PC17-con
action=mark- packet new-packet-mark=PC17*

*ip firewall mangle add chain=prerouting connection-mark=PC18-con
action=mark- packet new-packet-mark=PC18*

*ip firewall mangle add chain=prerouting connection-mark=PC19-con
action=mark- packet new-packet-mark=PC19*

*ip firewall mangle add chain=prerouting connection-mark=PC20-con
action=mark- packet new-packet-mark=PC20*

*ip firewall mangle add chain=prerouting connection-mark=PC21-con
action=mark- packet new-packet-mark=PC21*

*ip firewall mangle add chain=prerouting connection-mark=PC22-con
action=mark- packet new-packet-mark=PC22*

*ip firewall mangle add chain=prerouting connection-mark=PC23-con
action=mark- packet new-packet-mark=PC23*

*ip firewall mangle add chain=prerouting connection-mark=PC24-con
action=mark- packet new-packet-mark=PC24*

*ip firewall mangle add chain=prerouting connection-mark=PC25-con
action=mark- packet new-packet-mark=PC25*

*ip firewall mangle add chain=prerouting connection-mark=PC26-con
action=mark- packet new-packet-mark=PC26*

*ip firewall mangle add chain=prerouting connection-mark=PC27-con
action=mark- packet new-packet-mark=PC27*

*ip firewall mangle add chain=prerouting connection-mark=PC28-con
action=mark- packet new-packet-mark=PC28*

*ip firewall mangle add chain=prerouting connection-mark=PC29-con
action=mark- packet new-packet-mark=PC29*

*ip firewall mangle add chain=prerouting connection-mark=PC30-con
action=mark- packet new-packet-mark=PC30*

*queue tree addname=PC01-downparent=Mitrapacket-mark=PC01 limit-
at=131072 max-limit=131072*

*queue tree addname=PC01-upparent=Speedypacket-mark=PC01 limit-at=65536
max-limit=65536*

*queue tree addname=PC02-downparent=Mitrapacket-mark=PC02 limit- at=65536
max-limit=65536*

*queue tree addname=PC02-upparent=Speedypacket-mark=PC02 limit-at=32768
max-limit=32768*

*queue tree addname=PC03-downparent=Mitrapacket-mark=PC03 limit- at=65536
max-limit=65536*

*queue tree addname=PC03-upparent=Speedypacket-mark=PC03 limit-at=32768
max-limit=32768*

*queue tree addname=PC04-downparent=Mitrapacket-mark=PC04 limit- at=65536
max-limit=65536*

*queue tree addname=PC04-upparent=Speedypacket-mark=PC04 limit-at=32768
max-limit=32768*

*queue tree addname=PC05-downparent=Mitrapacket-mark=PC05 limit- at=65536
max-limit=65536*

queue tree addname=PC05-upparent=Speedypacket-mark=PC05 limit-at=32768

max-limit=32768

queue tree addname=PC06-downparent=Mitrapacket-mark=PC06 limit- at=65536

max-limit=65536

queue tree addname=PC06-upparent=Speedypacket-mark=PC06 limit-at=32768

max-limit=32768

queue tree addname=PC07-downparent=Mitrapacket-mark=PC07 limit- at=65536

max-limit=65536

queue tree addname=PC07-upparent=Speedypacket-mark=PC07 limit-at=32768

max-limit=32768

queue tree addname=PC08-downparent=Mitrapacket-mark=PC08 limit- at=65536

max-limit=65536

queue tree addname=PC08-upparent=Speedypacket-mark=PC08 limit-at=32768

max-limit=32768

queue tree addname=PC09-downparent=Mitrapacket-mark=PC09 limit- at=65536

max-limit=65536

queue tree addname=PC09-upparent=Speedypacket-mark=PC09 limit-at=32768

max-limit=32768

queue tree addname=PC10-downparent=Mitrapacket-mark=PC10 limit- at=65536

max-limit=65536

queue tree addname=PC10-upparent=Speedypacket-mark=PC10 limit-at=32768

max-limit=32768

queue tree addname=PC11-downparent=Mitrapacket-mark=PC11 limit- at=65536

max-limit=65536

queue tree addname=PC11-upparent=Speedypacket-mark=PC11 limit-at=32768

max-limit=32768

queue tree addname=PC12-downparent=Mitrapacket-mark=PC12 limit- at=65536

max-limit=65536

queue tree addname=PC12-upparent=Speedypacket-mark=PC12 limit-at=32768

max-limit=32768

queue tree addname=PC13-downparent=Mitrapacket-mark=PC13 limit- at=65536

max-limit=65536

queue tree addname=PC13-upparent=Speedypacket-mark=PC13 limit-at=32768

max-limit=32768

queue tree addname=PC14-downparent=Mitrapacket-mark=PC14 limit- at=65536

max-limit=65536

queue tree addname=PC14-upparent=Speedypacket-mark=PC14 limit-at=32768

max-limit=32768

queue tree addname=PC15-downparent=Mitrapacket-mark=PC15 limit- at=65536

max-limit=65536

queue tree addname=PC15-upparent=Speedypacket-mark=PC15 limit-at=32768

max-limit=32768

queue tree addname=PC16-downparent=Mitrapacket-mark=PC16 limit- at=65536

max-limit=65536

queue tree addname=PC16-upparent=Speedypacket-mark=PC16 limit-at=32768

max-limit=32768

queue tree addname=PC17-downparent=Mitrapacket-mark=PC17 limit- at=65536

max-limit=65536

queue tree addname=PC17-upparent=Speedypacket-mark=PC17 limit-at=32768

max-limit=32768

queue tree addname=PC18-downparent=Mitrapacket-mark=PC18 limit- at=65536

max-limit=65536

queue tree addname=PC18-upparent=Speedypacket-mark=PC18 limit-at=32768

max-limit=32768

queue tree addname=PC19-downparent=Mitrapacket-mark=PC19 limit- at=65536

max-limit=65536 queue tree addname=PC19-upparent=Speedypacket-mark=PC19

limit-at=32768 max-limit=32768

queue tree addname=PC20-downparent=Mitrapacket-mark=PC20 limit- at=65536

max-limit=65536

queue tree addname=PC20-upparent=Speedypacket-mark=PC20 limit-at=32768

max-limit=32768

queue tree addname=PC21-upparent=Speedypacket-mark=PC21 limit-at=32768

max-limit=32768

queue tree addname=PC22-downparent=Mitrapacket-mark=PC22 limit- at=65536

queue tree addname=PC22-upparent=Speedypacket-mark=PC22 limit-at=32768

max-limit=32768

queue tree addname=PC23-downparent=Mitrapacket-mark=PC23 limit- at=65536

max-limit=65536

queue tree addname=PC23-upparent=Speedypacket-mark=PC23 limit-at=32768

max-limit=32768

queue tree addname=PC24-downparent=Mitrapacket-mark=PC24 limit- at=65536

max-limit=65536

queue tree addname=PC24-upparent=Speedypacket-mark=PC24 limit-at=32768

max-limit=32768

queue tree addname=PC25-downparent=Mitrapacket-mark=PC25 limit-at=65536

max-limit=65536

queue tree addname=PC25-upparent=Speedypacket-mark=PC25 limit-at=32768

max-limit=32768

queue tree addname=PC26-downparent=Mitrapacket-mark=PC26 limit-at=65536

max-limit=65536

queue tree addname=PC26-upparent=Speedypacket-mark=PC26 limit-at=32768

max-limit=32768

queue tree addname=PC27-downparent=Mitrapacket-mark=PC27 limit-at=65536

max-limit=65536

queue tree addname=PC27-upparent=Speedypacket-mark=PC27 limit-at=32768

max-limit=32768

queue tree addname=PC28-downparent=Mitrapacket-mark=PC28 limit-at=65536

max-limit=65536

queue tree addname=PC28-upparent=Speedypacket-mark=PC28 limit-at=32768

max-limit=32768

queue tree addname=PC29-downparent=Mitrapacket-mark=PC29 limit-at=65536

max-limit=65536

queue tree addname=PC29-upparent=Speedypacket-mark=PC29 limit-at=32768

max-limit=32768

queue tree addname=PC30-downparent=Mitrapacket-mark=PC30 limit-at=65536

max-limit=65536

```
queue tree addname=PC30-upparent=Speedypacket-mark=PC30 limit-at=32768
    max-limit=32768
ip proxy set enabled=yes
ip web-proxy set hostname=proxyMitra cache-administrator=[emailadmin]
ip firewall nat add chain=dstnat in-interface=Mitra src-address=192.168.0.0/24
    protocol=6 dst-port=80 action=redirect to-ports=3128
system backup save name=mikrotikMitra
system backup load name=mikrotikMitra
tool graphing set store-every=5min
tool graphing interface add interface=Mitra allow-address=192.168.0.0/24 store-
    on-disk=yes
tool graphing resource add allow-address=192.168.0.0/24 store-on-disk=yes
tool sniffer set streaming-server=192168.0.254 streaming-enabled=yes file-
    name=testing
```