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PRAKTIKUM KEAMANAN JARINGAN

MODUL 4

Percobaan 1 :
Menghapus "rules" yang ada pada iptables

Percobaan 2:
Melakukan konfigurasi blocking semua trafik

```
64 bytes from 192.163.1.31: icmp_seq=4 ttl=64 time=0.037 ms
64 bytes from 192.163.1.31: icmp_seq=5 ttl=64 time=0.052 ms
64 bytes from 192.163.1.31: icmp_seq=6 ttl=64 time=0.038 ms
64 bytes from 192.163.1.31: icmp_seq=7 ttl=64 time=0.025 ms
64 bytes from 192.163.1.31: icmp_seq=8 ttl=64 time=0.025 ms
64 bytes from 192.163.1.31: icmp_seq=9 ttl=64 time=0.024 ms
64 bytes from 192.163.1.31: icmp_seq=10 ttl=64 time=0.047 ms
64 bytes from 192.163.1.31: icmp_seq=11 ttl=64 time=0.033 ms
64 bytes from 192.163.1.31: icmp_seq=12 ttl=64 time=0.032 ms
^C
--- 192.163.1.31 ping statistics ---
12 packets transmitted, 12 received, 0% packet loss, time 11006ms
rtt min/avg/max/mdev = 0.023/0.034/0.052/0.011 ms
root@septio:~# ping 192.163.1.5
PING 192.163.1.5 (192.163.1.5) 56(84) bytes of data.


^C
--- 192.163.1.5 ping statistics ---
13 packets transmitted, 0 received, 100% packet loss, time 12000ms

root@septio:~# ping 192.163.1.5
PING 192.163.1.5 (192.163.1.5) 56(84) bytes of data.
_
```

```
root@septio:~# iptables -A INPUT -j DROP
root@septio:~# _
```

Percobaan 3 :Mengijinkan Traffic Masuk hanya ke port SSH

```
root@septio:~# iptables -F
root@septio:~# iptables -A INPUT -m state --state ESTABLISHED,RELATED -j ACCEPT
root@septio:~# iptables -A INPUT -p tcp --dport ssh -j ACCEPT
root@septio:~# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source               destination
ACCEPT     all  --  anywhere             anywhere             state RELATED,ESTA
BLISHED
ACCEPT     tcp  --  anywhere             anywhere             tcp dpt:ssh

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination
root@septio:~# _
```

```
root@septio:~# iptables -A INPUT -j DROP
root@septio:~# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source              destination
ACCEPT     all  --  anywhere            anywhere            state RELATED,ESTA
BLISHED
ACCEPT     tcp  --  anywhere            anywhere            tcp dpt:ssh
DROP       all  --  anywhere            anywhere

Chain FORWARD (policy ACCEPT)
target     prot opt source              destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source              destination
root@septio:~# _
```

Percobaan 4:
Mengijinkan Traffic Masuk hanya ke Port Web dan SSH

```
root@septio:~# iptables -F
root@septio:~# iptables -A INPUT -p tcp --dport 80 -j ACCEPT
root@septio:~# iptables -A INPUT -p tcp --dport 22 -j ACCEPT
root@septio:~# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source              destination
ACCEPT     tcp  --  anywhere            anywhere            tcp dpt:http
ACCEPT     tcp  --  anywhere            anywhere            tcp dpt:ssh

Chain FORWARD (policy ACCEPT)
target     prot opt source              destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source              destination
root@septio:~# _
```

```
root@septio:~# iptables -A INPUT -j DROP
root@septio:~# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source              destination
ACCEPT     tcp  --  anywhere            anywhere            tcp dpt:http
ACCEPT     tcp  --  anywhere            anywhere            tcp dpt:ssh
DROP       all  --  anywhere            anywhere

Chain FORWARD (policy ACCEPT)
target     prot opt source              destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source              destination
root@septio:~# _
```

Percobaan 5:
Melakukan konfigurasi blocking ip address
185.156.1.31

```
root@septio:~# iptables -F
root@septio:~# iptables -I INPUT -s 185.156.1.31 -j DROP
root@septio:~# ping 185.156.1.31
PING 185.156.1.31 (185.156.1.31) 56(84) bytes of data.
^C
--- 185.156.1.31 ping statistics ---
24 packets transmitted, 0 received, 100% packet loss, time 23183ms

root@septio:~# _
```

```
root@septio:~# iptables -D INPUT -s 185.156.1.31 -j DROP
root@septio:~# ping 185.156.1.31
PING 185.156.1.31 (185.156.1.31) 56(84) bytes of data.
64 bytes from 185.156.1.31: icmp_seq=1 ttl=64 time=0.020 ms
64 bytes from 185.156.1.31: icmp_seq=2 ttl=64 time=0.052 ms
64 bytes from 185.156.1.31: icmp_seq=3 ttl=64 time=0.058 ms
64 bytes from 185.156.1.31: icmp_seq=4 ttl=64 time=0.059 ms
64 bytes from 185.156.1.31: icmp_seq=5 ttl=64 time=0.046 ms
64 bytes from 185.156.1.31: icmp_seq=6 ttl=64 time=0.062 ms
64 bytes from 185.156.1.31: icmp_seq=7 ttl=64 time=0.060 ms
64 bytes from 185.156.1.31: icmp_seq=8 ttl=64 time=0.079 ms
64 bytes from 185.156.1.31: icmp_seq=9 ttl=64 time=0.059 ms
^C
--- 185.156.1.31 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8010ms
rtt min/avg/max/mdev = 0.020/0.055/0.079/0.014 ms
root@septio:~# _
```

Percobaan 6 :
Melakukan konfigurasi blocking MAC Address
08:00:27:e4:42:19

```
root@septio:~# iptables -A INPUT -m mac --mac-source 08:00:27:e4:42:19 -i -eth0
-j DROP
root@septio:~# iptables -D INPUT -m mac --mac-source 08:00:27:e4:42:19 -i -eth0
-j DROP
root@septio:~# _
```