

ASSIGNMENT 4

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Firewall 1:

```
iptables -F INPUT
iptables -F OUTPUT
iptables -F FORWARD
```

```
iptables -P INPUT ACCEPT
iptables -P OUTPUT ACCEPT
iptables -P FORWARD DROP
```

```
iptables -A FORWARD -m state --state ESTABLISHED,RELATED -j ACCEPT
iptables -A FORWARD -i eth0 -o eth1 -m state --state NEW --destination 10.0.1.13 --dport 80 -j
ACCEPT
iptables -A FORWARD -i eth1 -o eth0 -j ACCEPT
```

Firewall 2:

We make an assumption that the IP address of the webserver(2 Webserver) are 10.0.1.2 and 10.0.1.3.

```
iptables -F INPUT
iptables -F OUTPUT
iptables -F FORWARD
```

```
iptables -P INPUT ACCEPT
iptables -P OUTPUT ACCEPT
iptables -P FORWARD DROP
```

```
iptables -A FORWARD -m state --state ESTABLISHED,RELATED -j ACCEPT
iptables -A FORWARD -i eth1 -o eth0 -m state --state NEW --destination 10.0.1.2 -j ACCEPT
iptables -A FORWARD -i eth1 -o eth0 state --state NEW --destination 10.0.1.3 -j ACCEPT
// if server is supposed to be 10.0.1.13
// iptables -A FORWARD -i eth1 -o eth0 state --state NEW --destination 10.0.1.13 --dport 80 -j
ACCEPT
iptables -A INPUT -i eth0 -m state --state NEW -d 10.0.2.0/24 -j DROP
```