**EXPERIMENT 8 iptables**

**c502@comp:~$ sudo apt-get install iptables**

**c502@comp:~$ sudo iptables -L -v**

Chain INPUT (policy ACCEPT 5862 packets, 1425K bytes)

pkts bytes target prot opt in out source destination

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)

pkts bytes target prot opt in out source destination

Chain OUTPUT (policy ACCEPT 2161 packets, 346K bytes)

pkts bytes target prot opt in out source destination

**c502@comp:~$ sudo iptables -L | grep policy**

Chain INPUT (policy ACCEPT)

Chain FORWARD (policy ACCEPT)

Chain OUTPUT (policy ACCEPT)

**c502@comp:~$ sudo iptables -L**

Chain INPUT (policy ACCEPT)

target prot opt source destination

Chain FORWARD (policy ACCEPT)

target prot opt source destination

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

**c502@comp:~$ sudo iptables -F**

**c502@comp:~$ sudo iptables -S**

-P INPUT ACCEPT

-P FORWARD ACCEPT

-P OUTPUT ACCEPT

**c502@comp:~$ sudo iptables -A INPUT -s 10.10.10.10 -j DROP**

**c502@comp:~$ sudo iptables -L --line-numbers**

Chain INPUT (policy ACCEPT)

num target prot opt source destination

1 DROP all -- 10.10.10.10 anywhere

Chain FORWARD (policy ACCEPT)

num target prot opt source destination

Chain OUTPUT (policy ACCEPT)

num target prot opt source destination

**c502@comp:~$ sudo iptables -A INPUT -p tcp --dport 22 -j ACCEPT**

**c502@comp:~$ sudo iptables -A INPUT -p tcp --dport 80 -j ACCEPT**

**c502@comp:~$ sudo iptables -S**

-P INPUT ACCEPT

-P FORWARD ACCEPT

-P OUTPUT ACCEPT

-A INPUT -s 10.10.10.10/32 -j DROP

-A INPUT -p tcp -m tcp --dport 22 -j ACCEPT

-A INPUT -p tcp -m tcp --dport 80 -j ACCEPT

**c502@comp:~$ sudo iptables -P INPUT DROP**

**c502@comp:~$**

