

Lab - Linux Firewall

- This is an individual assignment and worth 5 points.
- The due is tonight.
- Submit the outcome file. Follow the naming convention.

Task 1

- On Kali, create a rule that blocks ping requests to the Kali machine.
- Go to the host machine and ping the Kali. [Take a screenshot of the output on the host machine.](#)

```
C:\Users\adama>ping 192.168.6.134

Pinging 192.168.6.134 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.6.134:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

- On Kali, display the rule you created. [Take a screenshot of the output.](#)

```
=^C
— 192.168.6.1 ping statistics —
271 packets transmitted, 0 received, 100% packet loss, time 276479ms

(root@kali)-[/home/kali]
# iptables -A INPUT -p icmp --icmp-type echo-request -j DROP

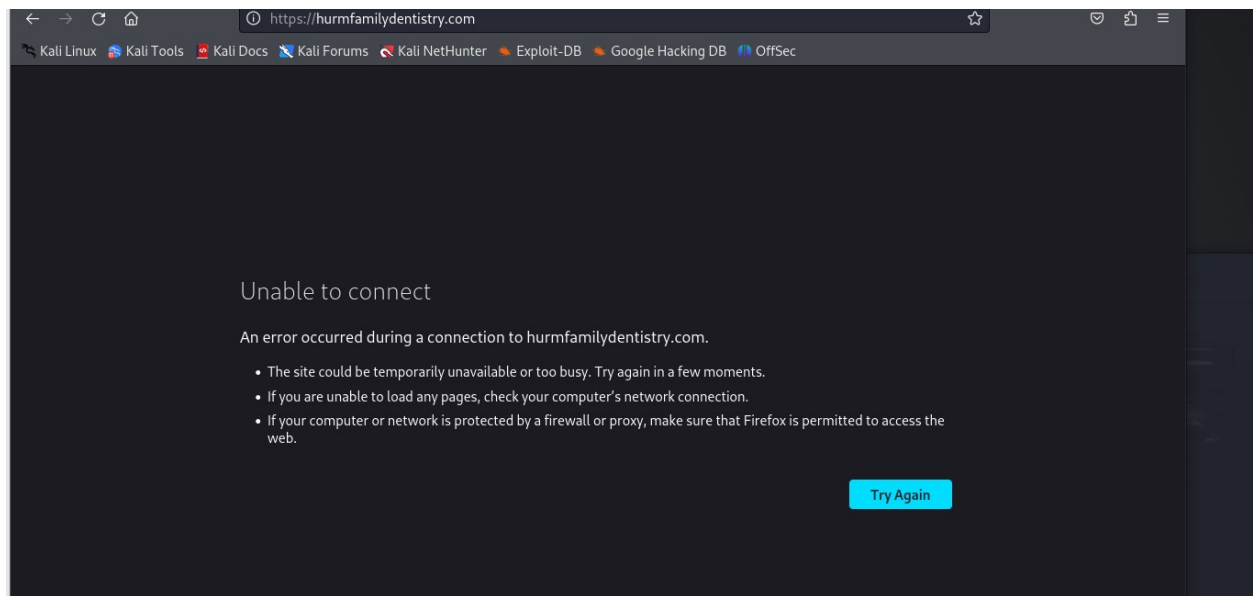
(root@kali)-[/home/kali]
# iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source                destination
DROP      icmp -- anywhere          anywhere              icmp echo-request

Chain FORWARD (policy ACCEPT)
target     prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source                destination
```

Task 2

- On Kali, launch Firefox and visit hurmfamilydentistry.com. Make sure the website is displayed properly.
- Create a rule that blocks access to this site. On a separate tab of the browser, visit the site again and [show in a screenshot that the site now is not accessible.](#)



- c) Display the rule you created. **Take a screenshot of the output.** (Hint: watch the 2nd video in Tutorial 1).

```
Chain INPUT (policy ACCEPT 12604 packets, 15M bytes)
pkts bytes target      prot opt in      out     source      destination
4      240 DROP          icmp -- any      any     anywhere    anywhere
icmp echo-request

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target      prot opt in      out     source      destination

Chain OUTPUT (policy ACCEPT 6428 packets, 740K bytes)
pkts bytes target      prot opt in      out     source      destination
2906 176K          all -- any      any     anywhere    154.0.153
.160.host.secureserver.net
2906 176K REJECT      all -- any      any     anywhere    154.0.153
.160.host.secureserver.net reject-with icmp-port-unreachable
0      0 REJECT      all -- any      any     anywhere    154.0.153
.160.host.secureserver.net reject-with icmp-port-unreachable
```