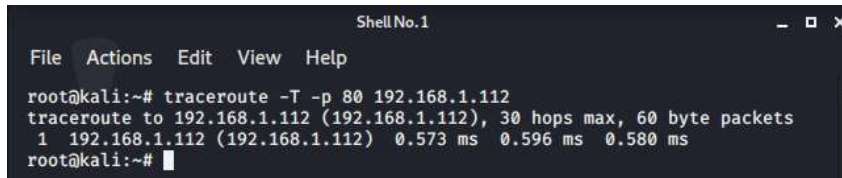


Setup your virtual machines. Add a network rule that blocks all traffic from internal network 1 to internal network 2 except for one port. Use traceroute to show this port is open and that there are no other hosts between your target and PFSense. You should submit the following.

1. A screen shot showing what happens when you use traceroute to the target when the port is open vs when it is closed.

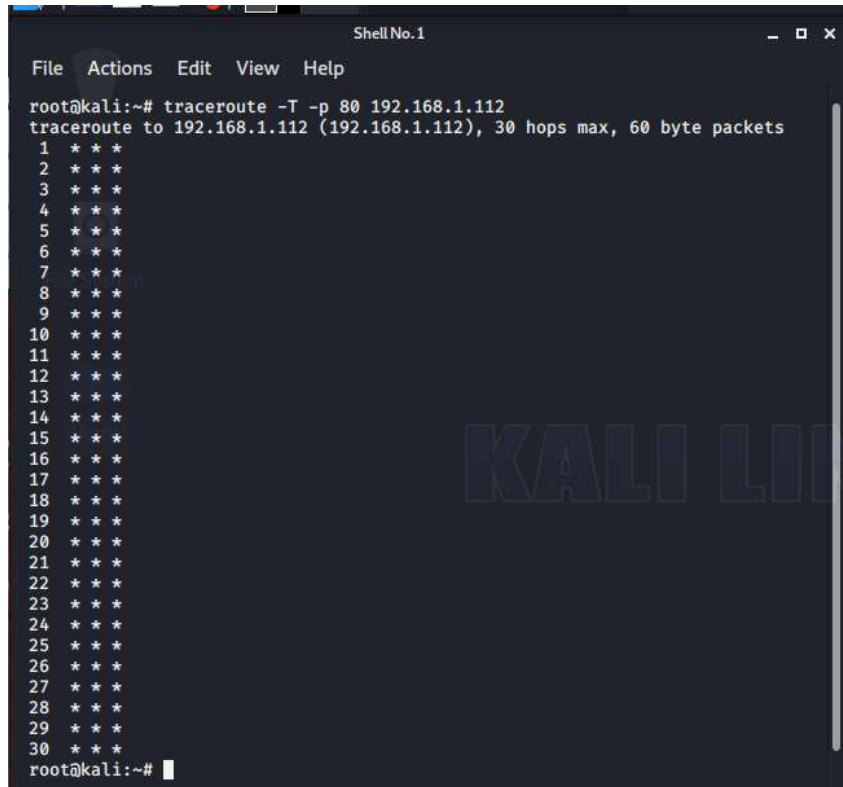
Sub Task 1

TraceRoute command with port 80 open



```
Shell No.1
File Actions Edit View Help
root@kali:~# traceroute -T -p 80 192.168.1.112
traceroute to 192.168.1.112 (192.168.1.112), 30 hops max, 60 byte packets
 1 192.168.1.112 (192.168.1.112) 0.573 ms 0.596 ms 0.580 ms
root@kali:~#
```

TraceRoute command with port 80 closed



```
Shell No.1
File Actions Edit View Help
root@kali:~# traceroute -T -p 80 192.168.1.112
traceroute to 192.168.1.112 (192.168.1.112), 30 hops max, 60 byte packets
 1 * * *
 2 * * *
 3 * * *
 4 * * *
 5 * * *
 6 * * *
 7 * * *
 8 * * *
 9 * * *
10 * * *
11 * * *
12 * * *
13 * * *
14 * * *
15 * * *
16 * * *
17 * * *
18 * * *
19 * * *
20 * * *
21 * * *
22 * * *
23 * * *
24 * * *
25 * * *
26 * * *
27 * * *
28 * * *
29 * * *
30 * * *
root@kali:~#
```