8006 Asn2 - Testing

So you want to pass the firewall eh?

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Setup of client

Step 1

On the client machine run `./client.sh`

Setup of firewall

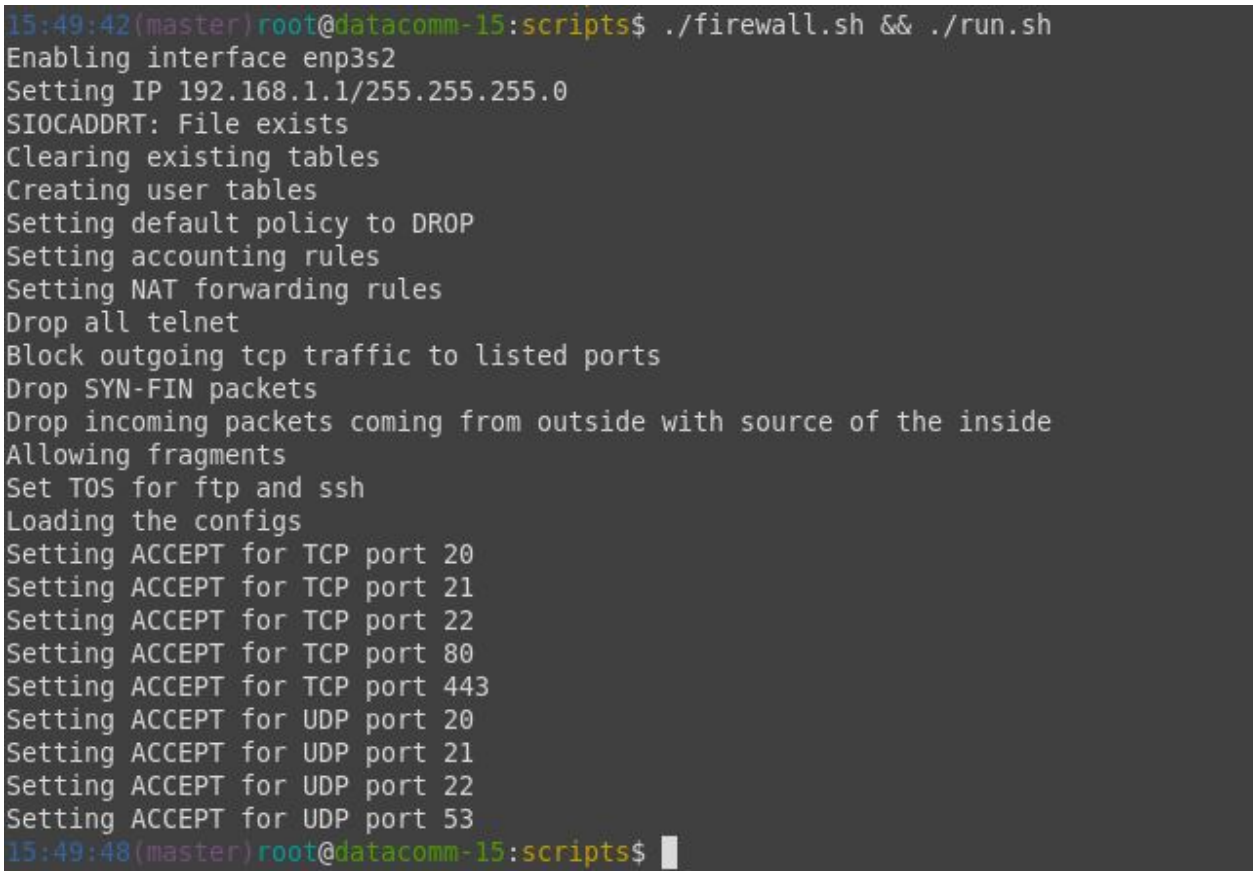
Step 1

On the firewall machine run `./firewall.sh`

Step 2

On the firewall machine run `./run.sh`

Expected result



Cleanup

Step 1

To disable the rules on either machine run `./cleanup.sh`

Test inbound traffic

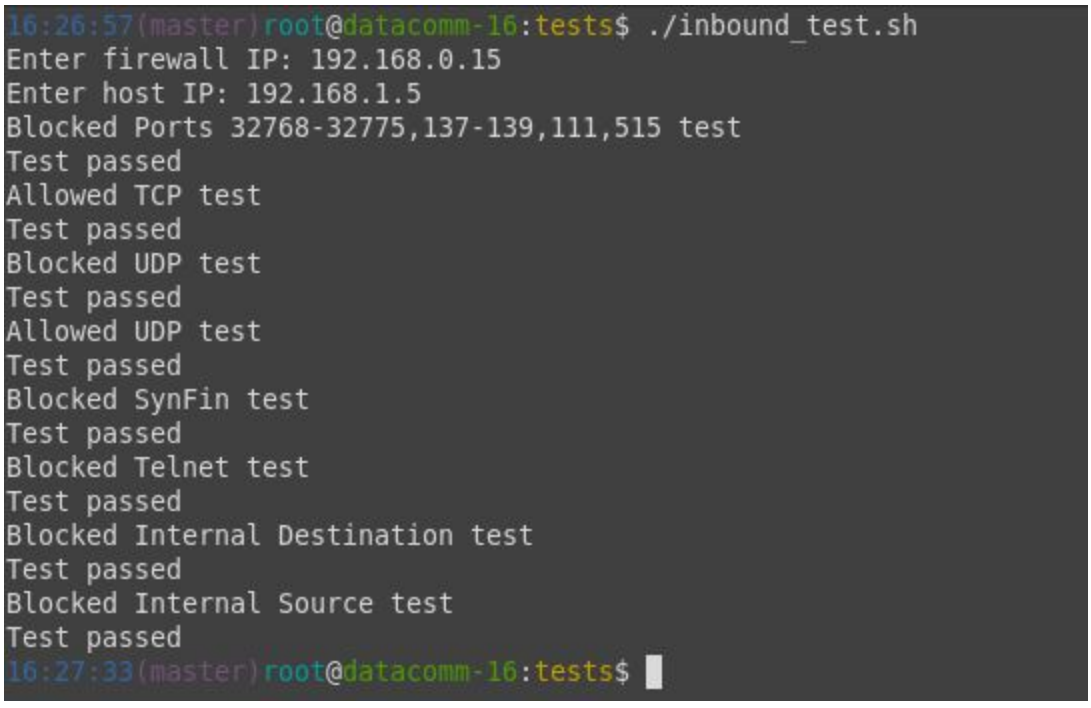
Step 1

On a machine outside the network the client machine run `./inbound_test.sh`

Step 2

Follow the prompts and enter the IPs as directed

Expected result



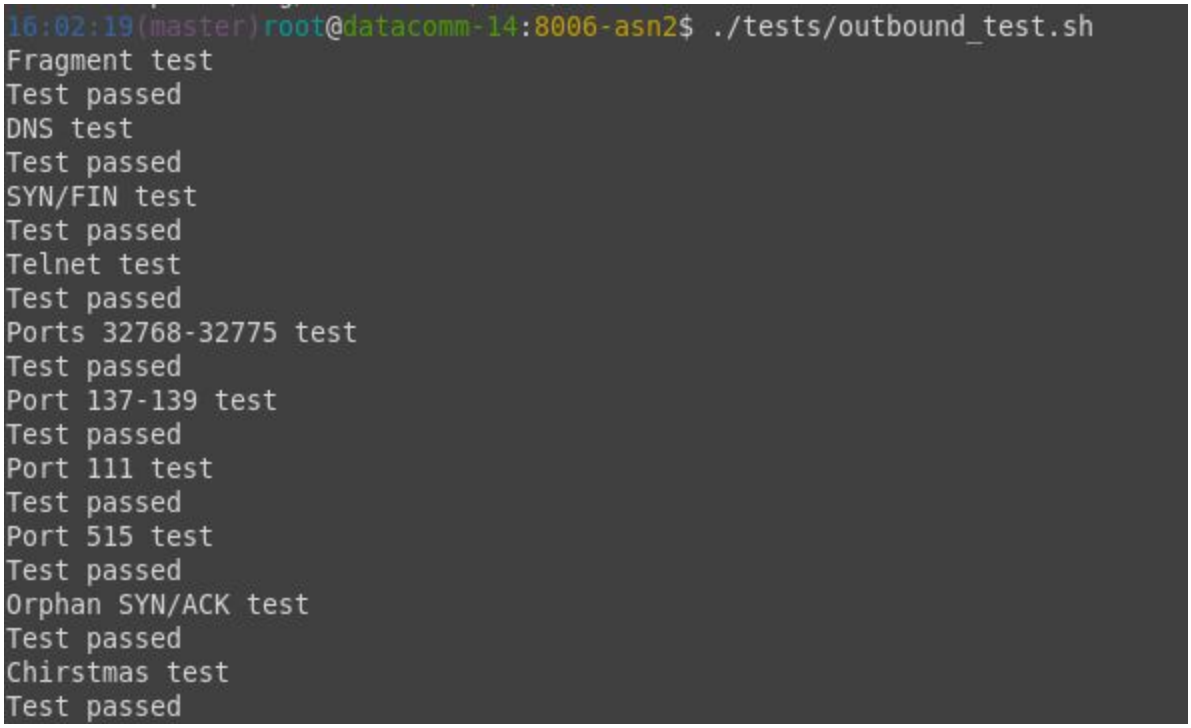
Test outbound traffic

Step 1

On the client machine run `./outbound_test.sh`

Expected result

On the client



On the firewall

```
16:04:24(master)root@datacomm-15:scripts$ iptables -L -nxv
Chain INPUT (policy DROP 0 packets, 0 bytes)
    pkts      bytes target     prot opt in     out     source               destination

Chain FORWARD (policy DROP 17 packets, 664 bytes)
    pkts      bytes target     prot opt in     out     source               destination
     146    33911 XxKr0n05xXx420blazeit  all  --  enp3s2 eno1    0.0.0.0/0           0.0.0.0/0
      80    44412 XxKr0n05xXx420blazeit  all  --  eno1   enp3s2  0.0.0.0/0           0.0.0.0/0

Chain OUTPUT (policy DROP 10 packets, 778 bytes)
    pkts      bytes target     prot opt in     out     source               destination

Chain XxKr0n05xXx420blazeit (2 references)
    pkts      bytes target     prot opt in     out     source               destination
       0        0 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp spt:23
       3      120 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:23
      16      704 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpts:32768:32775
       6      264 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpts:137:139
       3      120 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:111
       3      120 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:515
       6      240 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp flags:0x03/0x03
       0        0 DROP       all  --  eno1   *       192.168.1.0/24       0.0.0.0/0
       0        0 ACCEPT     all  -f  *      *       0.0.0.0/0            0.0.0.0/0
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp spt:20 state NEW,ESTABLISHED
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:20 state NEW,ESTABLISHED
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp spt:21 state NEW,ESTABLISHED
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:21 state NEW,ESTABLISHED
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp spt:22 state NEW,ESTABLISHED
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:22 state NEW,ESTABLISHED
       6      683 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp spt:80 state NEW,ESTABLISHED
       9      776 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:80 state NEW,ESTABLISHED
      64    42971 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp spt:443 state NEW,ESTABLISHED
      79    30601 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:443 state NEW,ESTABLISHED
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp spt:53 state NEW,ESTABLISHED
       0        0 ACCEPT     tcp  --  *      *       0.0.0.0/0            0.0.0.0/0           tcp dpt:53 state NEW,ESTABLISHED
       0        0 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp spt:20 state NEW,ESTABLISHED
       0        0 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp dpt:20 state NEW,ESTABLISHED
       0        0 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp spt:21 state NEW,ESTABLISHED
       0        0 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp dpt:21 state NEW,ESTABLISHED
       0        0 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp spt:22 state NEW,ESTABLISHED
       2       56 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp dpt:22 state NEW,ESTABLISHED
       6      646 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp spt:53 state NEW,ESTABLISHED
       6      358 ACCEPT     udp  --  *      *       0.0.0.0/0            0.0.0.0/0           udp dpt:53 state NEW,ESTABLISHED
```