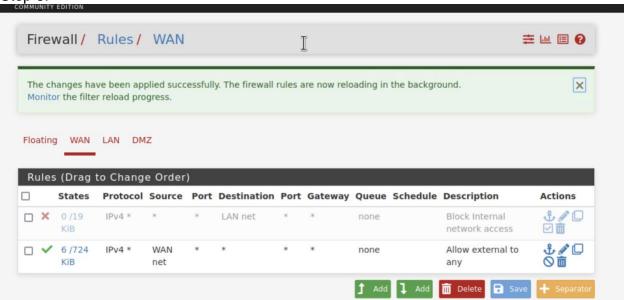
Peter Sanford IT 2700 NetLab Lab 8 11/04/2023

1.1: Step 6:



1.2: Step 6:

```
File Actions Edit View Help
  nmap -T5 203.0.113.1 192.168.0.0/24 172.16.1.0/28
  Starting Nmap 7.91 ( https://nmap.org ) at 2023-11-04 15:43 CDT
  Nmap scan report for 203.0.113.1
  Host is up (0.00031s latency).
  Not shown: 998 filtered ports
  PORT STATE SERVICE
  53/tcp open domain
  80/tcp open http
  Nmap scan report for pfsense.netlab.local (192.168.0.1)
  Host is up (0.00039s latency).
  Not shown: 998 filtered ports
  PORT STATE SERVICE
  53/tcp open domain
  80/tcp open http
OF Nmap scan report for 172.16.1.1
  Host is up (0.00038s latency).
  Not shown: 998 filtered ports
  PORT STATE SERVICE
  53/tcp open domain
  80/tcp open http
  Nmap scan report for netlab.local (172.16.1.10)
  Host is up (0.00045s latency).
  Not shown: 991 filtered ports
  PORT STATE SERVICE
  22/tcp open ssh
  25/tcp open smtp
  80/tcp open http
  110/tcp open pop3
  143/tcp open imap
  443/tcp open https
  587/tcp open submission
  993/tcp open imaps
  995/tcp open pop3s
 Nmap done: 273 IP addresses (4 hosts up) scanned in 7.69 seconds
    -(kali⊕kali)-[~]
  _$
                                                             1 0
```

Step 8:

```
Public Key type: rsa
  Public Key bits: 4096
  Signature Algorithm: sha256WithRSAEncryption
  Not valid before: 2021-08-04T05:57:30
  Not valid after: 2031-08-02T05:57:30
  MD5: 45cc f107 3f3b 344f 3732 f2c3 26f1 2efe
 SHA-1: f686 694b 38de ee00 1697 d9cc dc4a 9380 2866 acd3
995/tcp open ssl/pop3 Dovecot pop3d
pop3-capabilities: USER RESP-CODES AUTH-RESP-CODE SASL(PLAIN L
OGIN) PIPELINING TOP CAPA UIDL
 ssl-cert: Subject: commonName=ubuntusrv.netlab.local/organizat
ionName=ubuntusrv.netlab.local/stateOrProvinceName=GuangDong/cou
| Issuer: commonName=ubuntusrv.netlab.local/organizationName=ubu
ntusrv.netlab.local/stateOrProvinceName=GuangDong/countryName=CN
  Public Key type: rsa
  Public Key bits: 4096
  Signature Algorithm: sha256WithRSAEncryption
  Not valid before: 2021-08-04T05:57:30
  Not valid after: 2031-08-02T05:57:30
       45cc f107 3f3b 344f 3732 f2c3 26f1 2efe
 _SHA-1: f686 694b 38de ee00 1697 d9cc dc4a 9380 2866 acd3
Service Info: Hosts: -ubuntusrv.netlab.local, ubuntusrv.netlab.
local; OS: Linux; CPE: cpe:/o:linux:linux_kernel
NSE: Script Post-scanning.
Initiating NSE at 15:44
Completed NSE at 15:44, 0.00s elapsed
Initiating NSE at 15:44
Completed NSE at 15:44, 0.00s elapsed
Initiating NSE at 15:44
Completed NSE at 15:44, 0.00s elapsed
Read data files from: /usr/bin/../share/nmap
Service detection performed. Please report any incorrect results
 at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 18.58 seconds
```

1.3: Step 11:

```
File Edit View Search Terminal Help

[sysadmin@seconion ~]$ sudo so-import-pcap ~/Downloads//scan.pcap

Processing Import: /home/sysadmin/Downloads/scan.pcap

- verifying file
- assigning unique identifier to import: 23895597de4dc9bbc6a5c2dc427bfe12
- analyzing traffic with Suricata
- analyzing traffic with Zeek
- saving PCAP data spanning dates 2023-11-04 through 2023-11-04

Cleaning up:

Import complete!
```

2: Step 8: This is where I got stuck, the PCAP wouldn't import correctly into SO and wouldn't show up in the web interface.
3.1: Step 5:
Step 9:
Step 13:
3.2: Step 8:
Step 13:
3.3: Step 3:
Step 7:

Commentary:

In this lab we used Wireshark to capture packets and then analyze them as IDS alerts. I learned that nmap is super powerful and packet captures can be super useful in finding threat alerts. Knowing this information, companies can use nmap and packet captures to maintain security from the outside of the network and also analyze potential threats in the network.