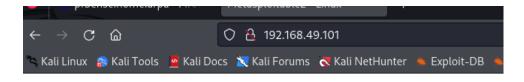
Dopo aver configurato le macchine virtuali dobbiamo creare un firewall che blocchi l'accesso da kali alla DVWA.



Warning: Never expose this VM to an untrusted network!

Contact: msfdev[at]metasploit.com

Login with msfadmin/msfadmin to get started

- TWiki
- phpMyAdmin
- Mutillidae
- DVWA
- WebDAV

Configurazione pfsense:

```
WAN (wan)
                -> em0
                              -> v4/DHCP4: 10.0.2.15/24
LAN (lan)
                -> em1
                              -> v4: 192.168.50.1/24
OPT1 (opt1)
                              -> v4: 192.168.49.1/24
                -> em2
0) Logout (SSH only)
                                      9) pfTop
1) Assign Interfaces
                                     10) Filter Logs
2) Set interface(s) IP address
                                     11) Restart webConfigurator

 Reset webConfigurator password

                                     12) PHP shell + pfSense tools
4) Reset to factory defaults
                                     13) Update from console
5) Reboot system
                                     14) Enable Secure Shell (sshd)
6) Halt system
                                     15) Restore recent configuration
7) Ping host
                                     16) Restart PHP-FPM
8) Shell
```

Andimao poi a cambiare l'indirizzo di Metasploitable:

RX bytes:106253 (103.7 KB) TX bytes:83068 (81.1 KB)
Base address:0xd020 Memory:f0200000-f0220000

collisions:0 txqueuelen:1000

Da Metasploitable al opt di pfsense:

```
nsfadmin@metasploitable:~$ ping 192.168.49.1
PING 192.168.49.1 (192.168.49.1) 56(84) bytes of data.
64 bytes from 192.168.49.1: icmp_seq=1 ttl=64 time=1.61 ms
64 bytes from 192.168.49.1: icmp_seq=2 ttl=64 time=0.990 ms
64 bytes from 192.168.49.1: icmp_seq=3 ttl=64 time=0.940 ms
```

Da Metasploitable alla lan di pfsense:

```
msfadmin@metasploitable:~$ ping 192.168.50.1

PING 192.168.50.1 (192.168.50.1) 56(84) bytes of data.

64 bytes from 192.168.50.1: icmp_seq=1 ttl=64 time=23.8 ms

64 bytes from 192.168.50.1: icmp_seq=2 ttl=64 time=1.12 ms

64 bytes from 192.168.50.1: icmp_seq=3 ttl=64 time=1.54 ms

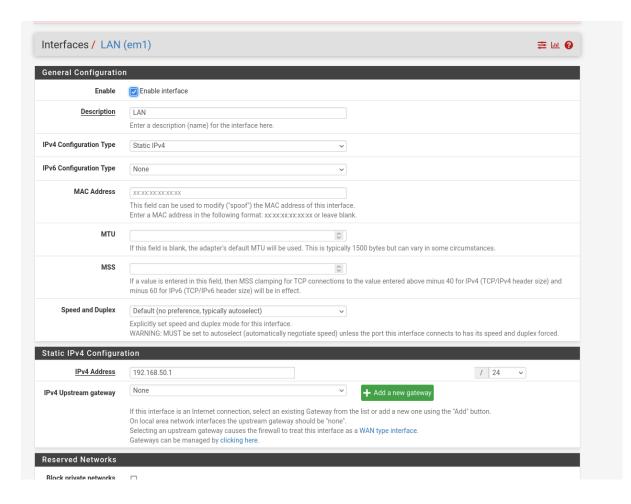
64 bytes from 192.168.50.1: icmp_seq=4 ttl=64 time=1.13 ms

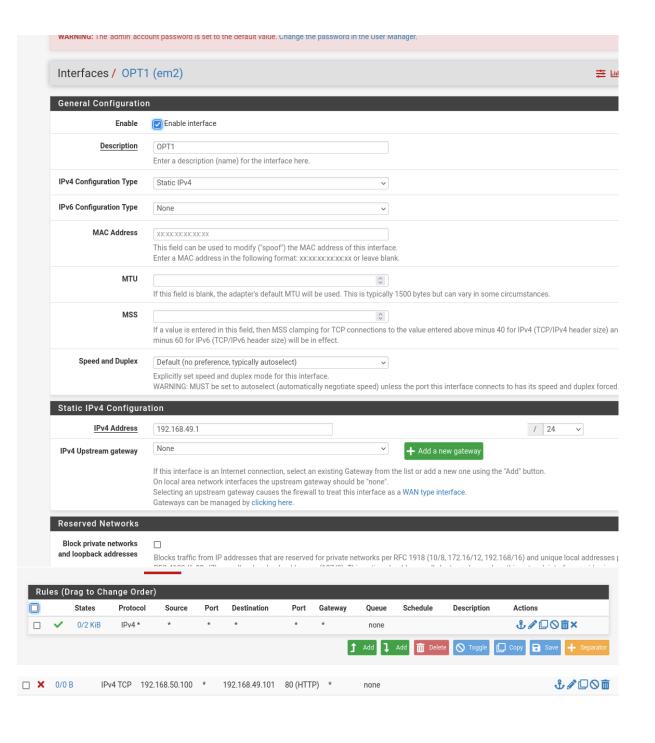
64 bytes from 192.168.50.1: icmp_seq=5 ttl=64 time=1.35 ms
```

Da Metasploitable a Kali:

```
msfadmin@metasploitable:~$ ping 192.168.50.100
PING 192.168.50.100 (192.168.50.100) 56(84) bytes of data.
64 bytes from 192.168.50.100: icmp_seq=62 ttl=63 time=20.3 ms
64 bytes from 192.168.50.100: icmp_seq=63 ttl=63 time=3.55 ms
64 bytes from 192.168.50.100: icmp_seq=64 ttl=63 time=25.6 ms
```

Creiamo le regole del firewall sia per la lan che opt:





Andando poi ad attivarlo noteremo che non avremo piú accesso alla DVWA:

