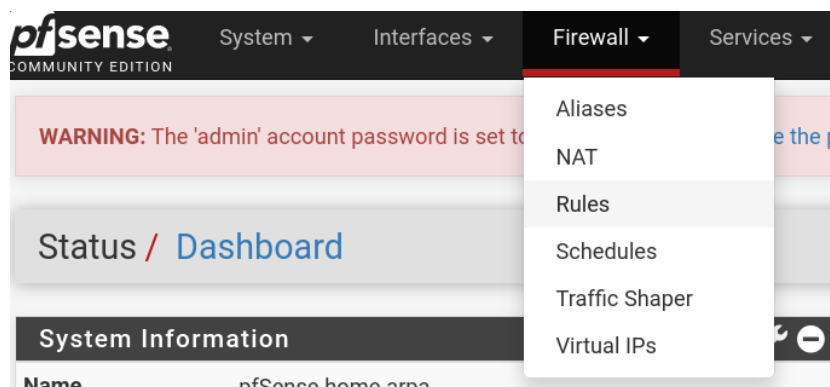
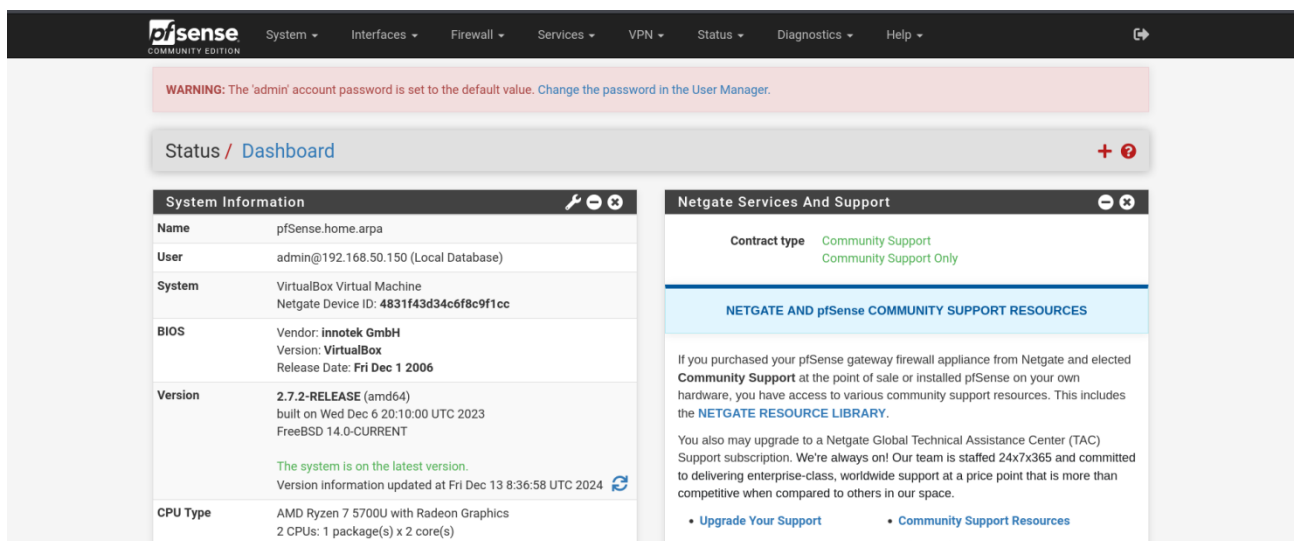
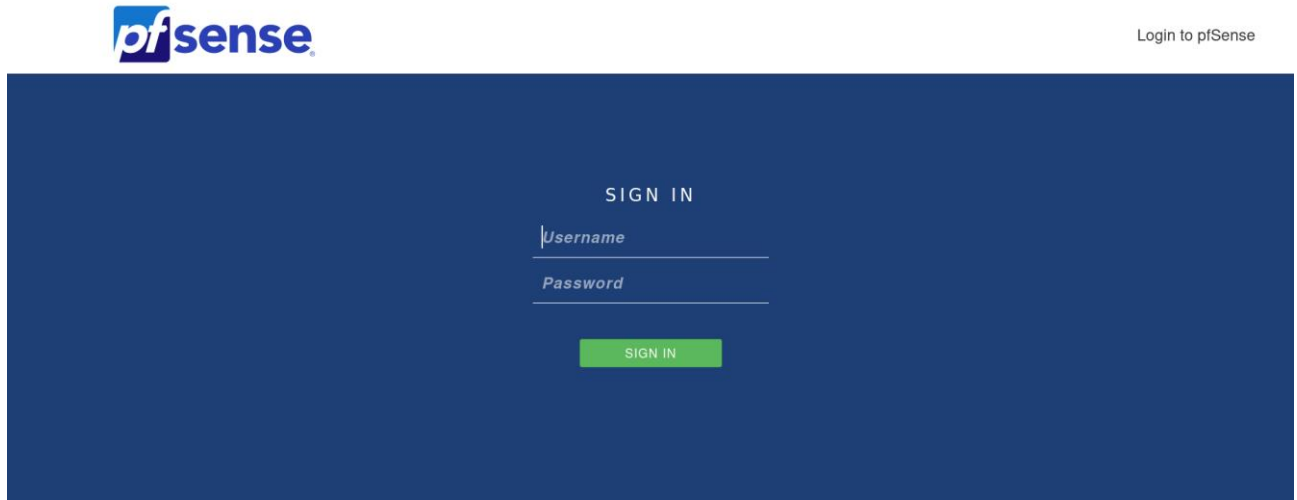


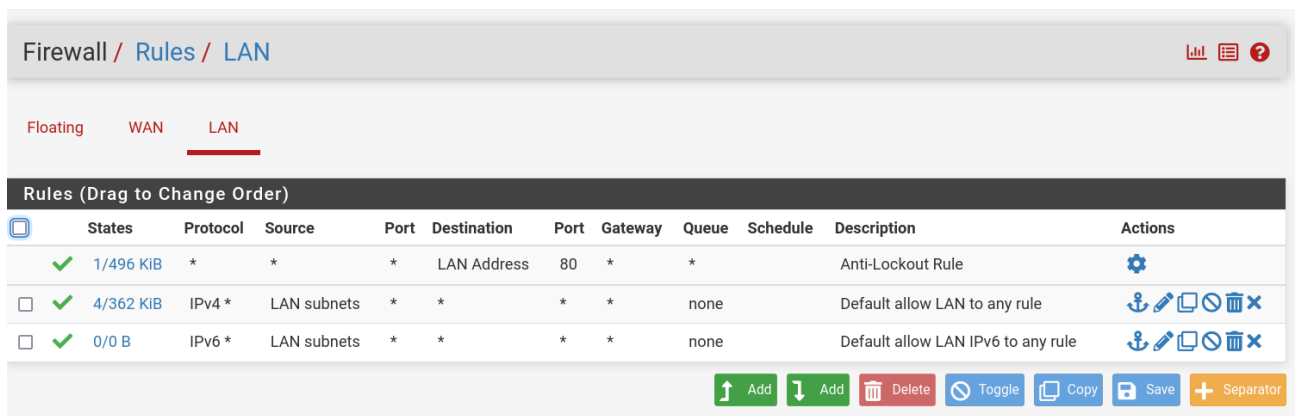
S3/L5

Matteo Congiu

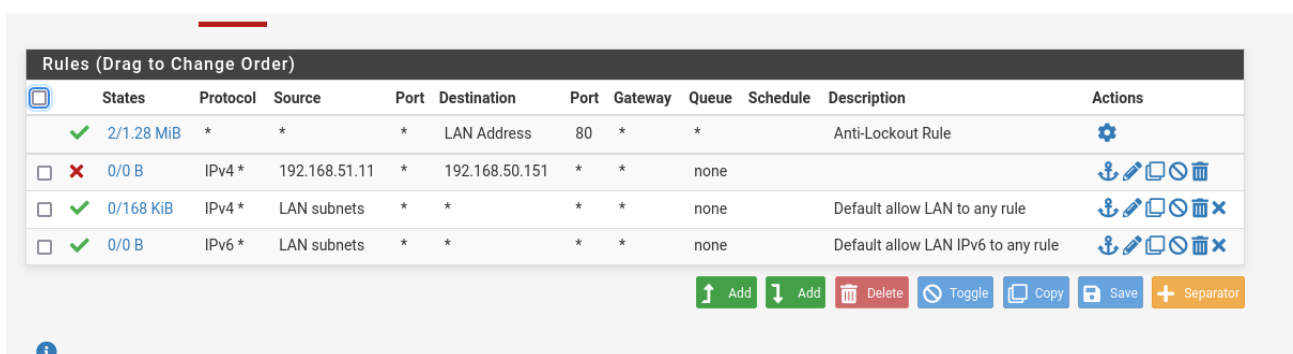
Creazione pratica di una regola Firewall.

Svolgimento



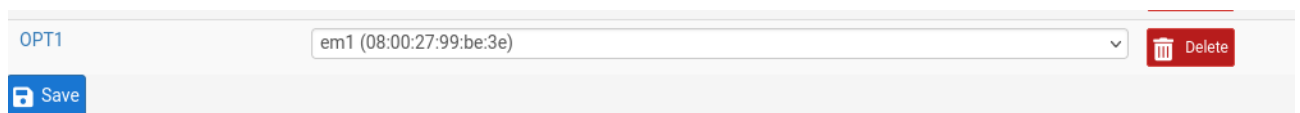
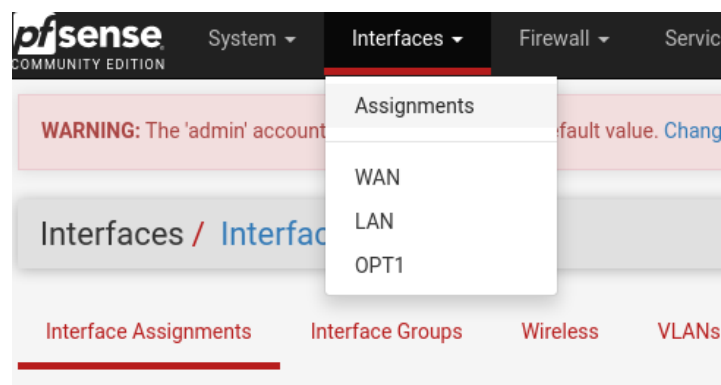


Una volta fatto l'accesso su pfsense sono andato sulla sezione Firewall > Rules e poi su LAN, ho aggiunto la regola che kali non potesse più collegarsi alla DVWA su metasploitable.



Dopo ho creato una terza scheda su pfsense e l'ho messa sempre su rete interna (Da impostazione VM)

Da interface e assignments ho aggiunto una nuova interfaccia di rete.



Ho inserito l'indirizzo MAC di metasploitable e dall'interno ho iniziato la configurazione.

Ho inserito ip statico 192.168.50.151 e ho attivato l'interfaccia.

Interfaces / OPT1 (em1)

General Configuration

Enable

☒ Enable interface

Description

OPT1

Enter a description (name) for the interface here.

IPv4 Configuration Type

Static IPv4

IPv6 Configuration Type

None

MAC Address

xx:xx:xx:xx:xx:xx

This field can be used to modify ("spoof") the MAC address of this interface.
Enter a MAC address in the following format: xx:xx:xx:xx:xx:xx or leave blank.

MTU

If this field is blank, the adapter's default MTU will be used. This is typically 1500 bytes but can vary in some circumstances.

MSS

If a value is entered in this field, then MSS clamping for TCP connections to the value entered above minus 40 for IPv4 (TCP/IPv4 header size) and minus 60 for IPv6 (TCP/IPv6 header size) will be in effect.

Speed and Duplex

Default (no preference, typically autoselect)

Explicitly set speed and duplex mode for this interface.
WARNING: MUST be set to autoselect (automatically negotiate speed) unless the port this interface connects to has its speed and duplex forced.

Explicitly set speed and duplex mode for this interface.
WARNING: MUST be set to autoselect (automatically negotiate speed) unless the port this interface connects to has its speed and duplex

Static IPv4 Configuration

IPv4 Address

192.168.50.151

/ 24

IPv4 Upstream gateway

None

+ Add a new gateway

If this interface is an Internet connection, select an existing Gateway from the list or add a new one using the "Add" button.
On local area network interfaces the upstream gateway should be "none".
Selecting an upstream gateway causes the firewall to treat this interface as a [WAN type interface](#).
Gateways can be managed by [clicking here](#).

Ho salvato il tutto.

Le macchine le ho configurate:

-Kali rete interna

-Metasploitable- (prima bridge) poi cambiata in rete interna

-Pfsense- Nat, intnet, intnet

Quando ho cambiato Metasploitable in rete interna ho dovuto riconfigurare gli indirizzi statici.

```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto eth0
iface eth0 inet static
address 192.168.50.151
netmask 255.255.255.0
gateway 192.168.50.1
dns-server 192.168.50.1
network 192.168.50.0
```

[Wrote 15 lines]

```
msfadmin@metasploitable:~$ sudo /etc/init.d/networking restart
* Reconfiguring network interfaces... [ OK ]
msfadmin@metasploitable:~$ _
```

```
[ Wrote 15 lines ]
msfadmin@metasploitable:~$ sudo /etc/init.d/networking restart
* Reconfiguring network interfaces... [ OK ]
msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:01:29:94
          inet addr:192.168.50.151  Bcast:192.168.50.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe01:2994/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:13 errors:0 dropped:0 overruns:0 frame:0
          TX packets:39 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:832 (832.0 B)  TX bytes:3458 (3.3 KB)
          Base address:0xd020 Memory:f0200000-f0220000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:273 errors:0 dropped:0 overruns:0 frame:0
          TX packets:273 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:106431 (103.9 KB)  TX bytes:106431 (103.9 KB)

msfadmin@metasploitable:~$ _
```

Quando vado a fare ping da Kali verso Metasploitable mi da il seguente errore.

```
(kali㉿kali)-[~]  
$ ping -c 4 192.168.50.151  
ping: connect: Network is unreachable
```

Non ho fatto in tempo a finire!! 😞 Ho avuto difficoltà con le configurazioni.