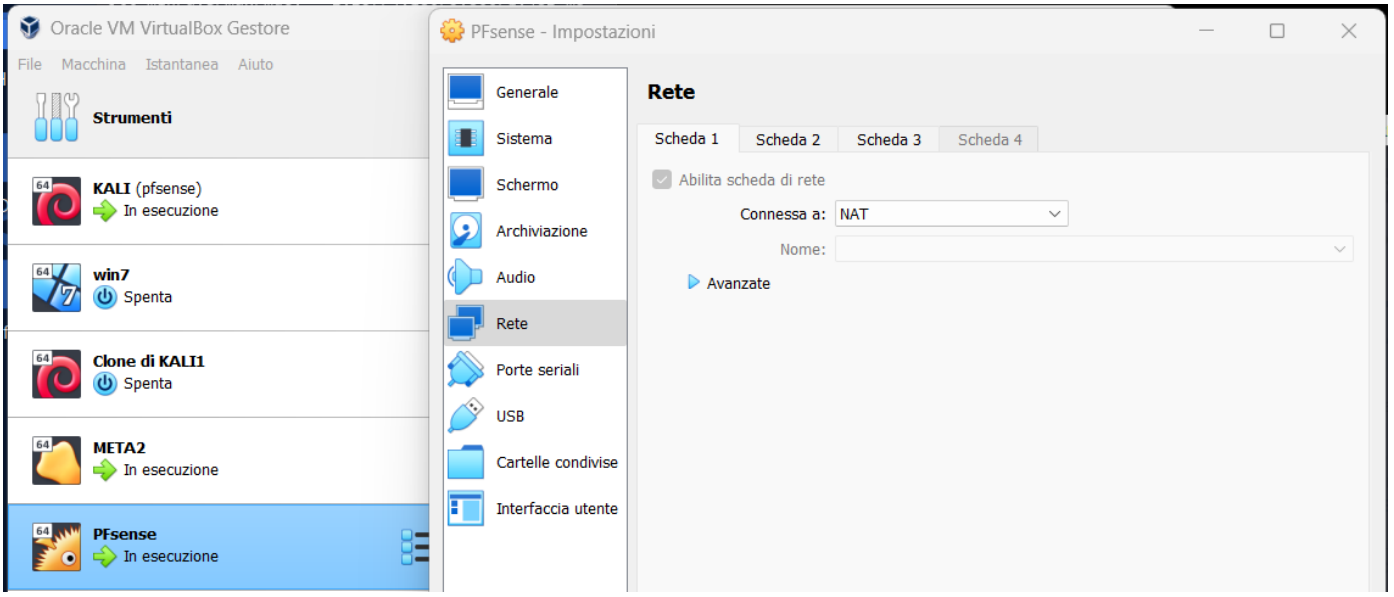
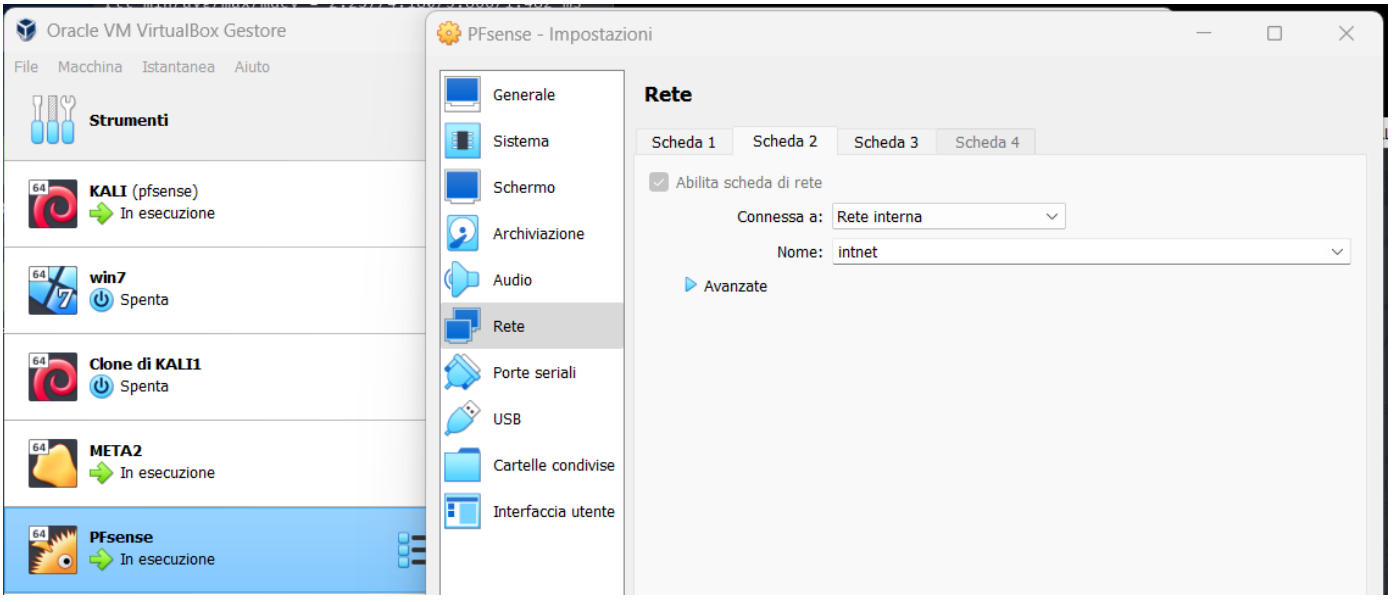
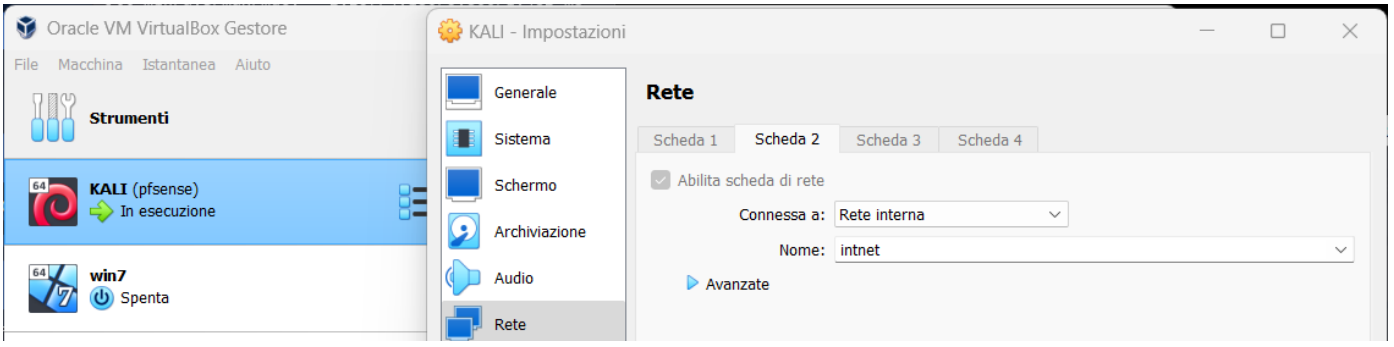
FIREWALL RULES PFSENSE W9D4

una volta scaricato pfsense e installato su VMBOX
impostiamo le reti dei 3 dispositivi come segue come segue
la prima sara NAT

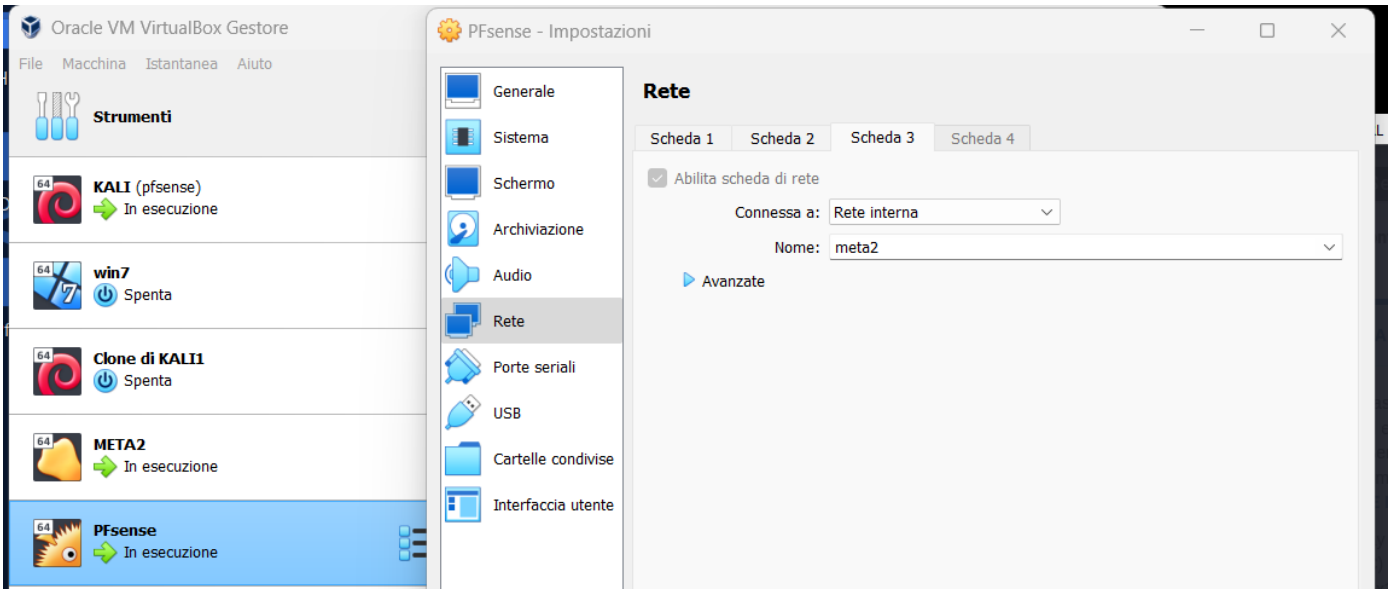


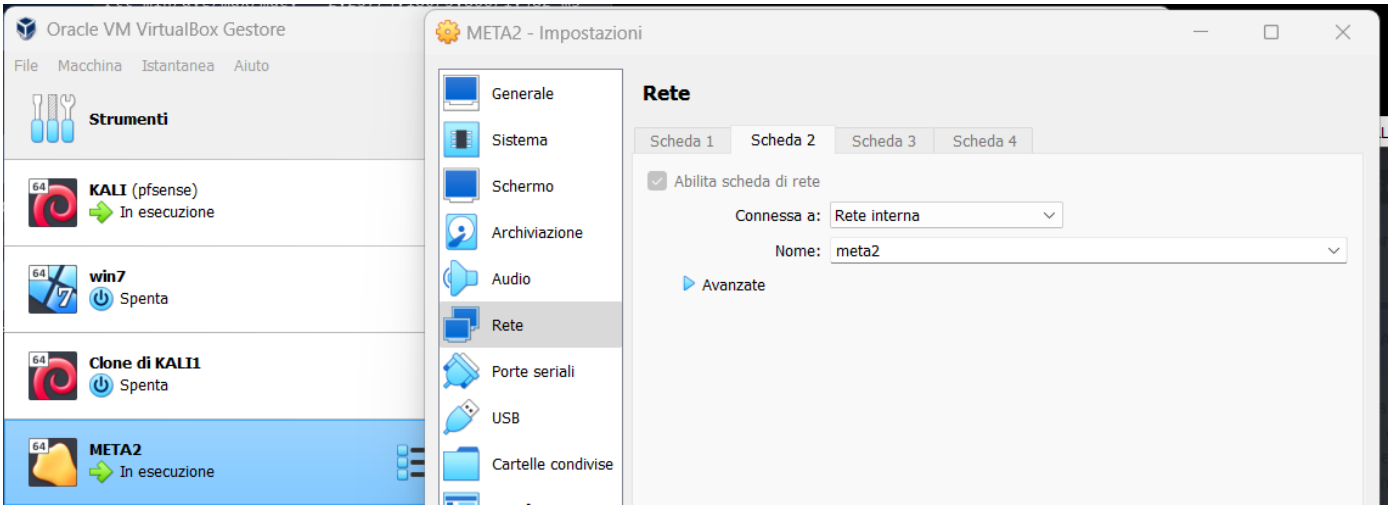
la seconda LAN nominat intnet associata a KALI





la terza sempre LAN rinominata meta2 associata a metaexplitable 2





impostiamo la rete di cali

```
┌──(kali㉿kali)-[~]
└─$ sudo nano /etc/network/interfaces
[sudo] password for kali:
```

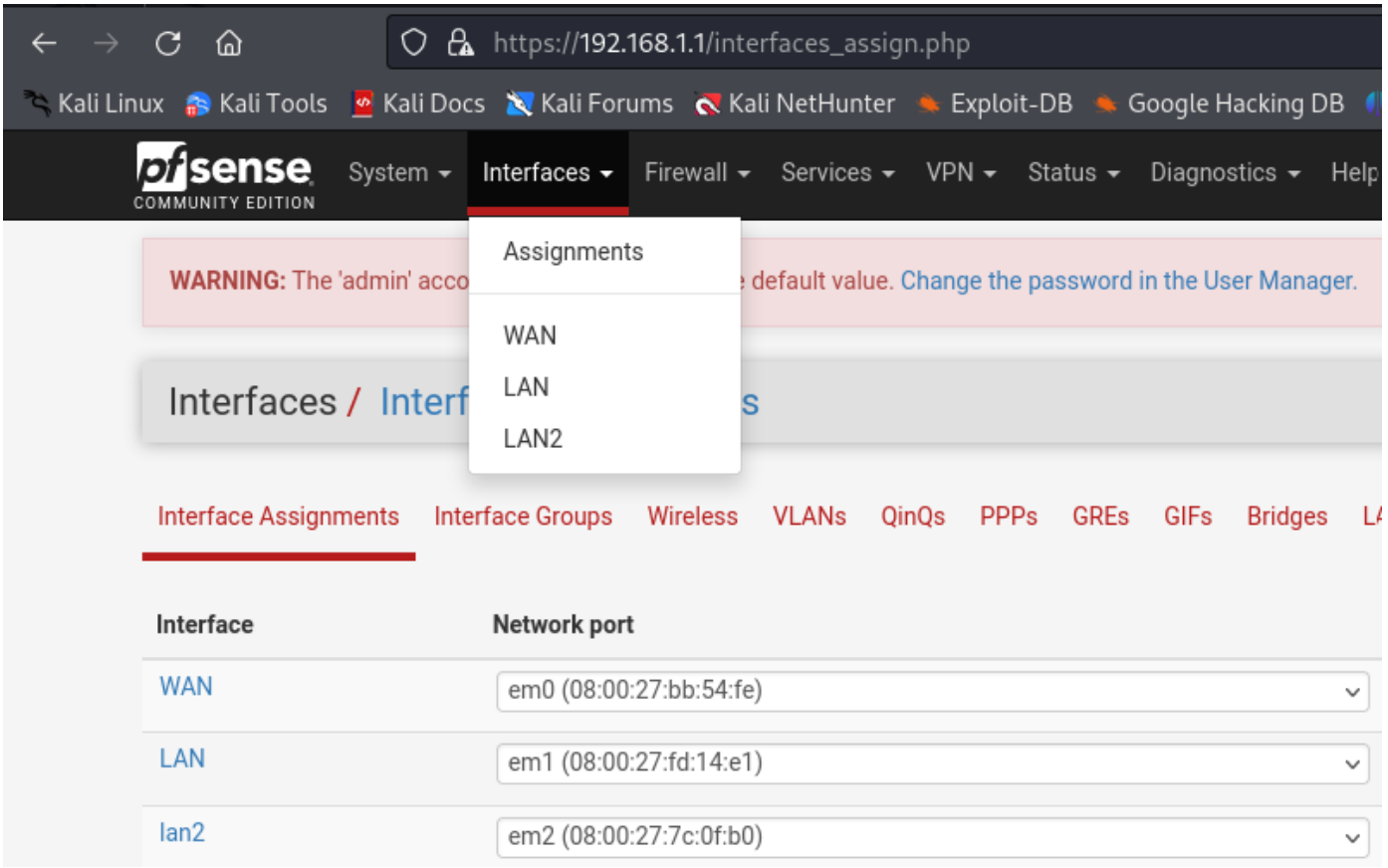
come segue

```
File  Actions  Edit  View  Help
  GNU nano 7.2                                        /etc/network/interfaces
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

auto eth0
#iface eth0 inet static
iface eth0 inet dhcp
#address 192.168.50.102
#address 192.168.1.12/24
#address 192.168.1.102/24
geteway 192.168.1.1
#network 192.168.50.0
netmask 255.255.255.0
#broadcast 192.168.50.255
#geteway 192.168.50.1
network 192.168.1.0
```

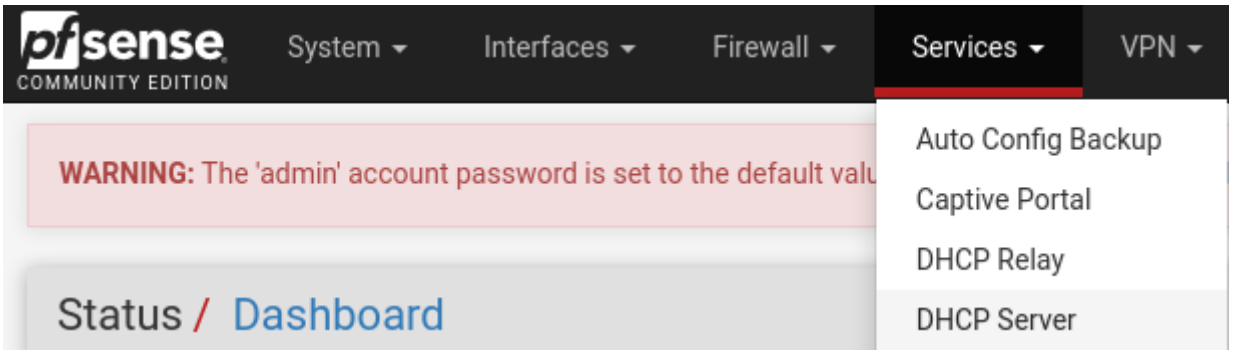
apriamo una pagina di firefox e inseriamo l'indirizzo 192.168.1.1 per entrare nelle impostazioni di efsense

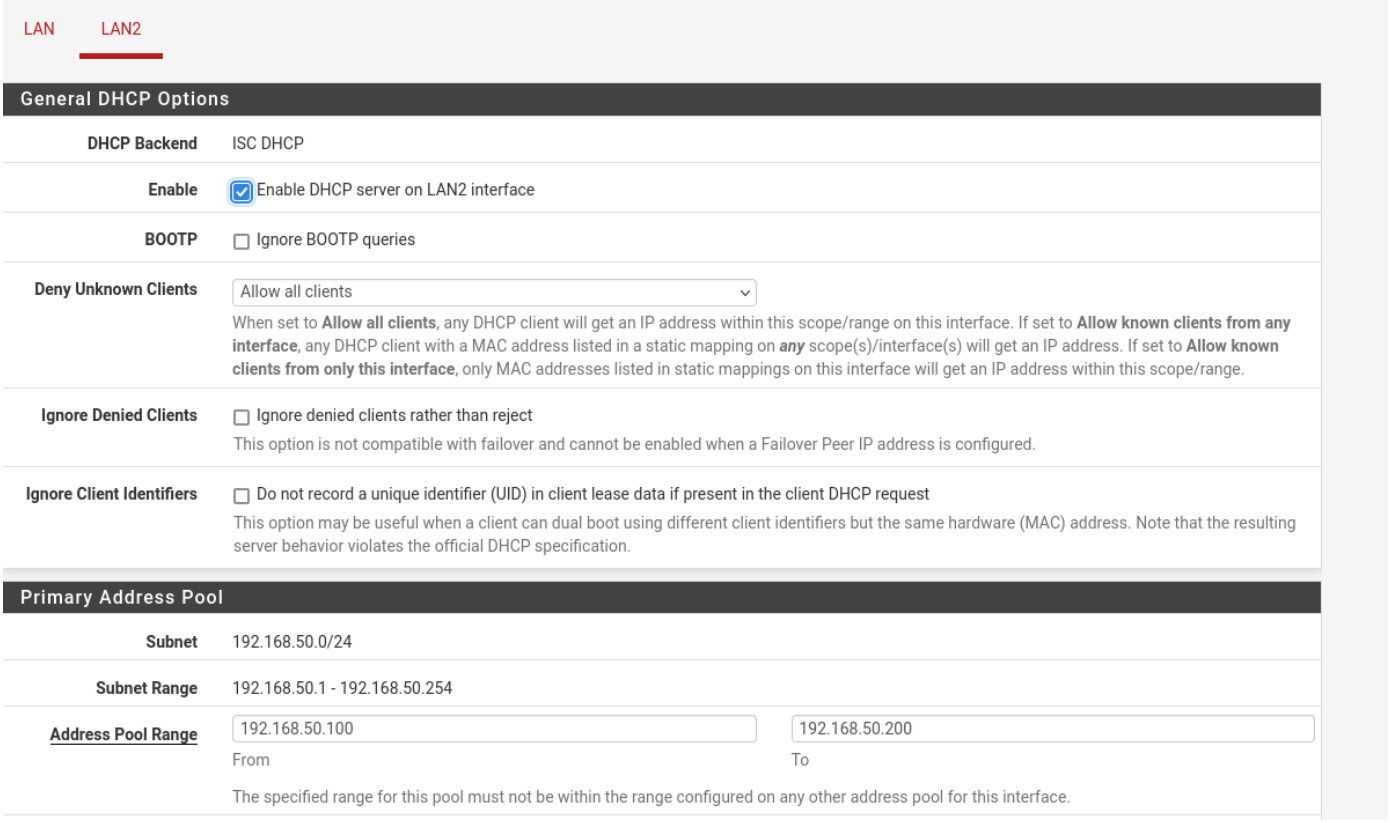
configuro una nuova interfaccia con come 192.162.50.1

abilitiamo la scheda di rete lan 2 riferita a metaexploitable2

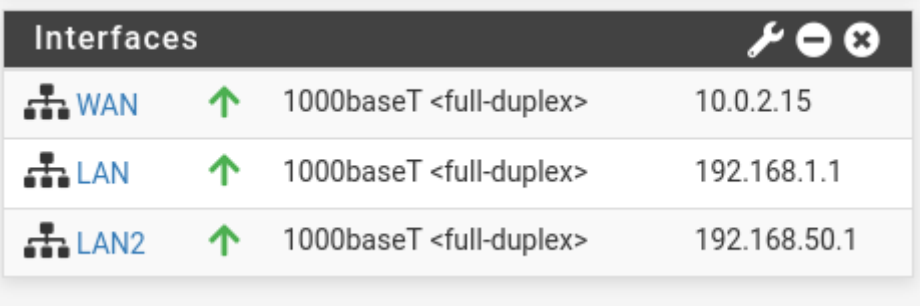


abilito il dhcp server della linea 2





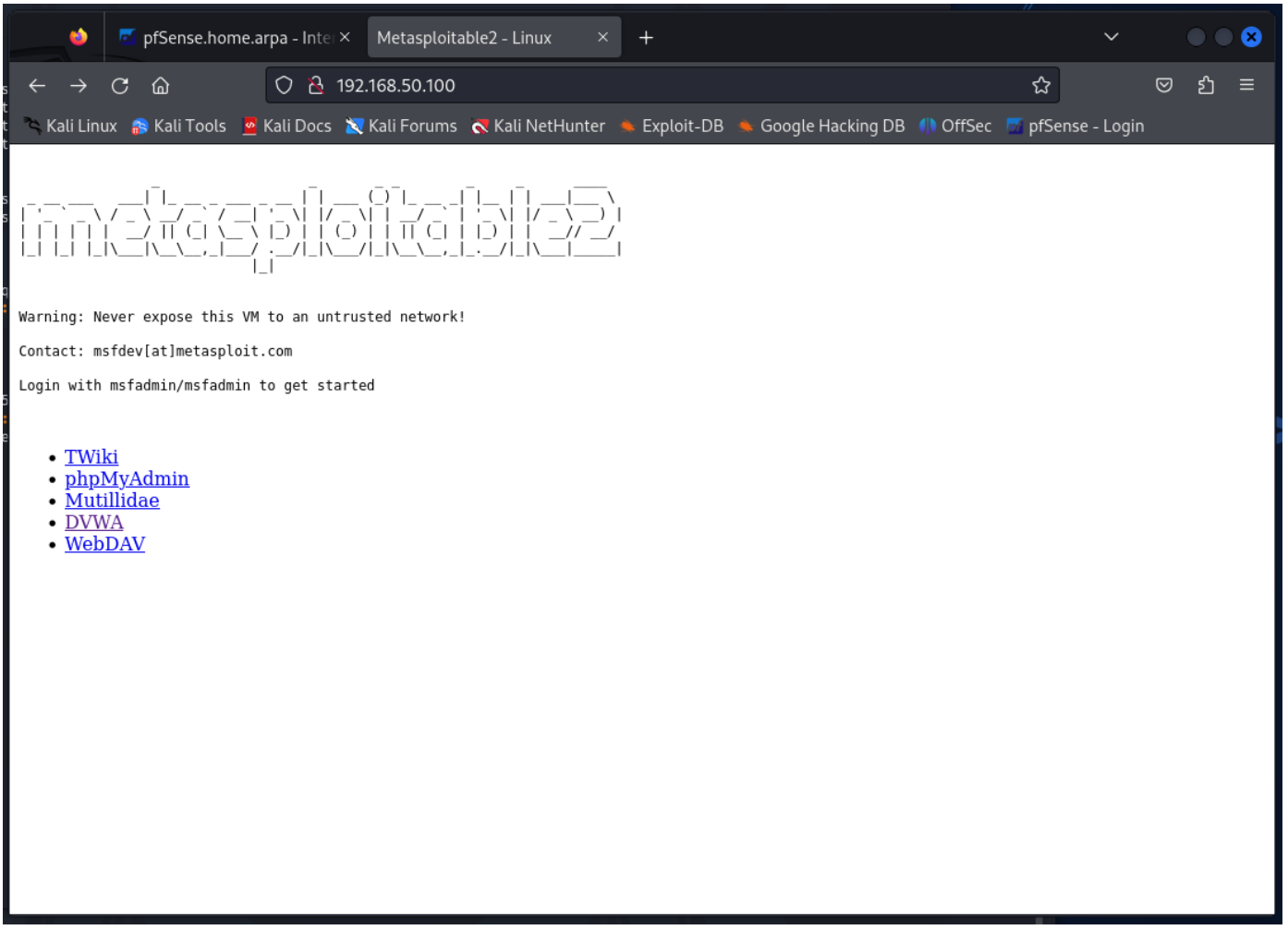
in modo da avere la rete come segue



controlliamo su kali il nostro ip e il ping con metaexploitable

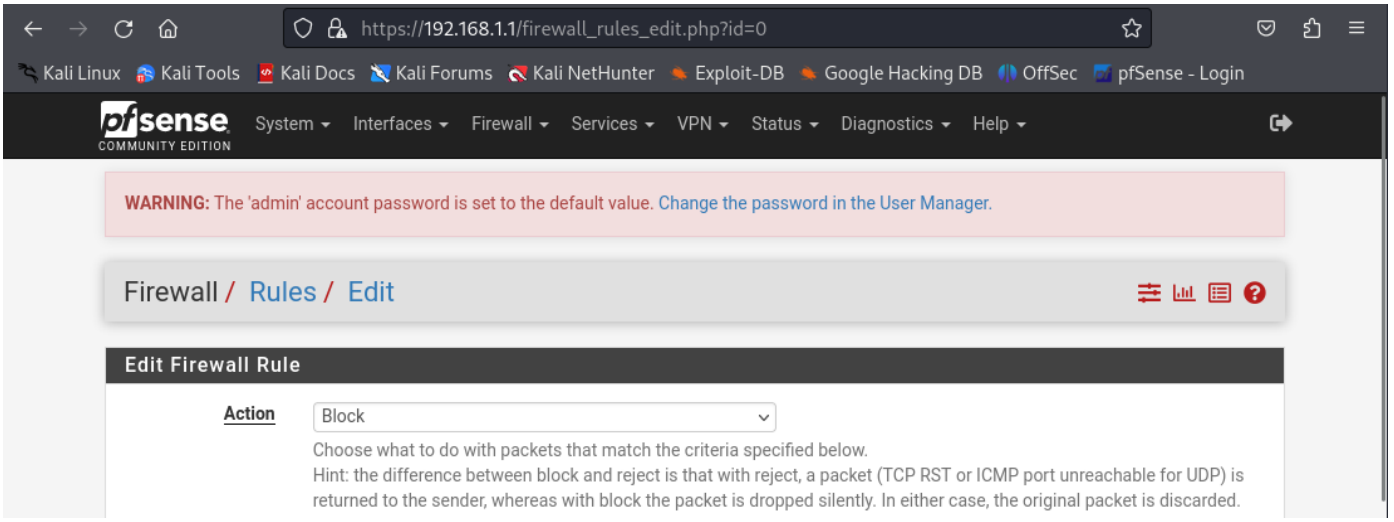
```
kali@kali: ~
File  Actions  Edit  View  Help
┌──(kali㉿kali)-[~]
└─$ ping 192.168.50.100
PING 192.168.50.100 (192.168.50.100) 56(84) bytes of data.
64 bytes from 192.168.50.100: icmp_seq=1 ttl=63 time=5.87 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=63 time=2.26 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=63 time=4.42 ms
^C
--- 192.168.50.100 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2038ms
rtt min/avg/max/mdev = 2.257/4.180/5.866/1.482 ms

┌──(kali㉿kali)-[~]
└─$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:77:47:37 brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.100/24 brd 192.168.1.255 scope global dynamic eth0
       valid_lft 7122sec preferred_lft 7122sec
    inet6 fe80::a00:27ff:fe77:4737/64 scope link proto kernel_ll
       valid_lft forever preferred_lft forever
```

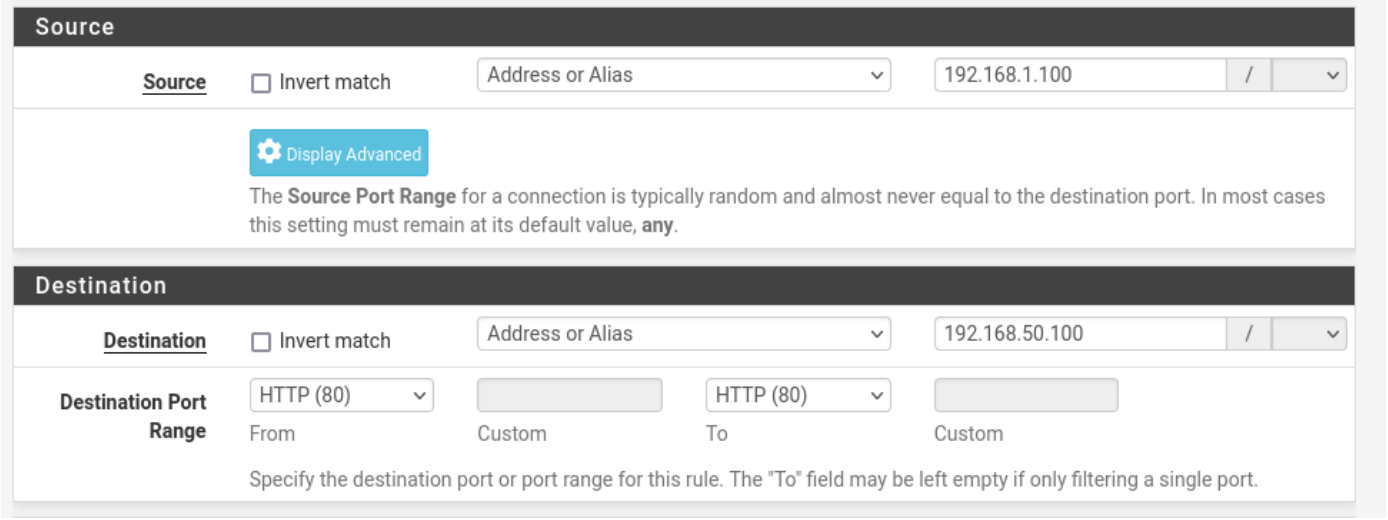
accediamo a metaexploitable digitando il suo indirizzo



e vediamo che è raggiungibile

torniamo sulla scheda di configurazione pfsense e impostiamo una regola da firewall come segue



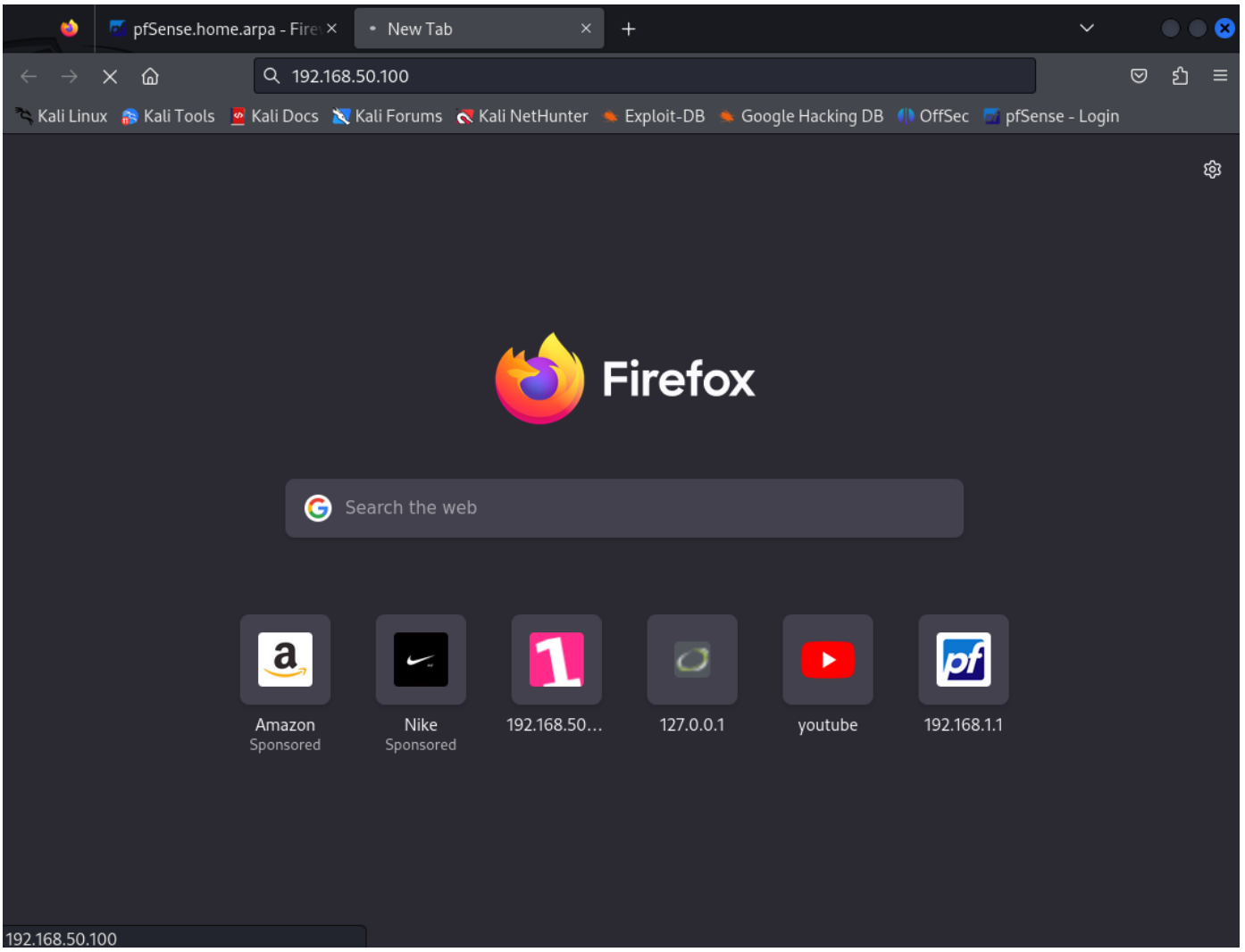


in modo da impedire al nostro kali di raggiungere metaexploitable2

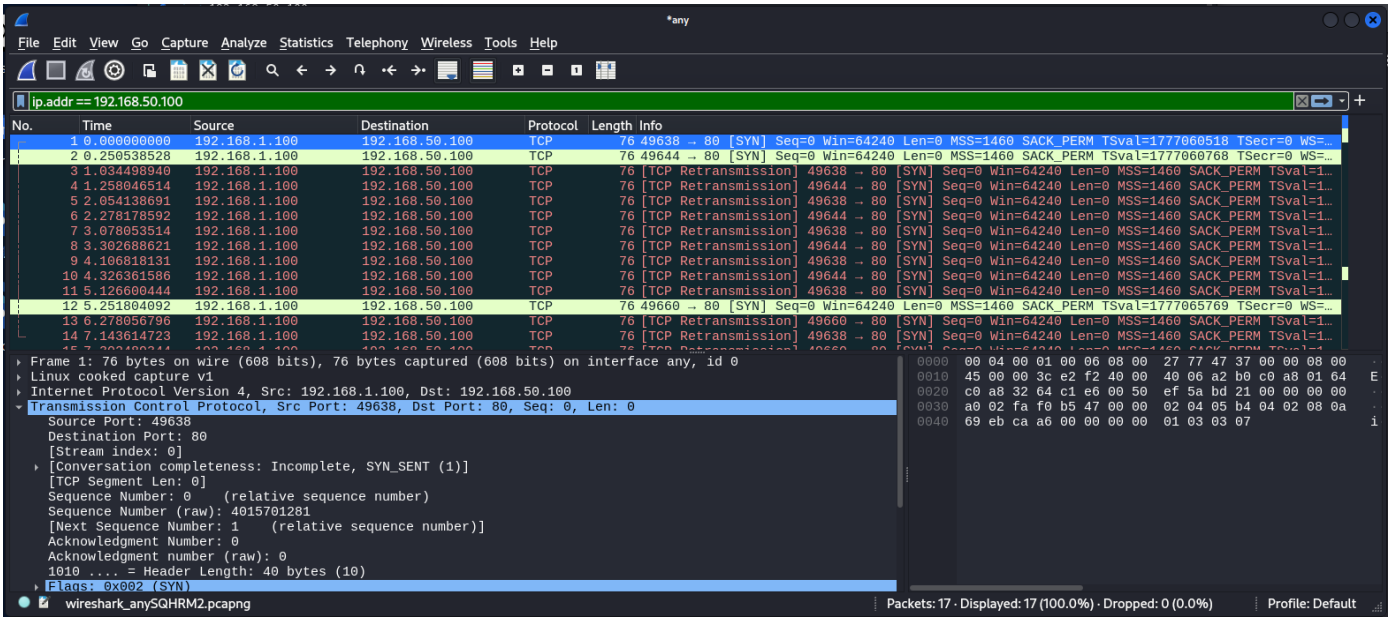
salvate le impostazioni
proviamo a fare il ping

```
┌──(kali㉿kali)-[~]
└─$ 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=1 ttl=63 time=1.85 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=63 time=2.56 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=63 time=1.81 ms
64 bytes from 192.168.50.100: icmp_seq=4 ttl=63 time=0.826 ms
64 bytes from 192.168.50.100: icmp_seq=5 ttl=63 time=1.98 ms
^C
--- 192.168.50.100 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4003ms
rtt min/avg/max/mdev = 0.826/1.804/2.556/0.557 ms
```

e funziona in quanto abbiamo inserito la regola per la porta 80 e protocollo HTTP
se aggiorniamo la pagina firefox non ci darà nessun risultato



e come vediamo dalla seguende immagine da wireshark non cè risposta dal metaexploitable



ci saranno solo richiesta SYN da parte del nostro ip