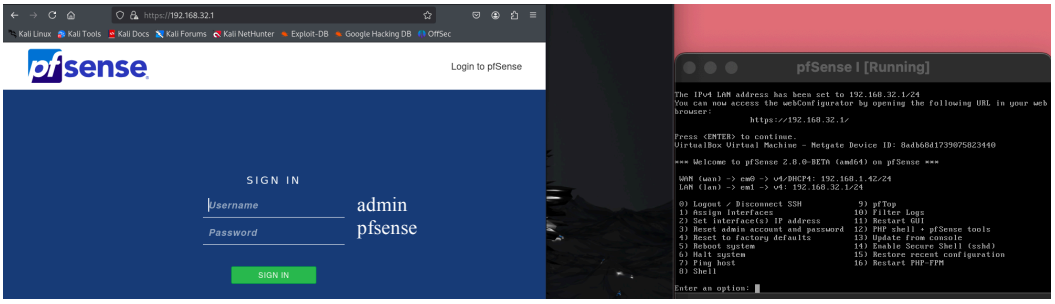
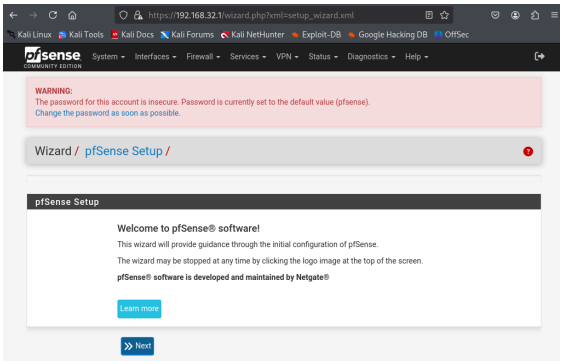
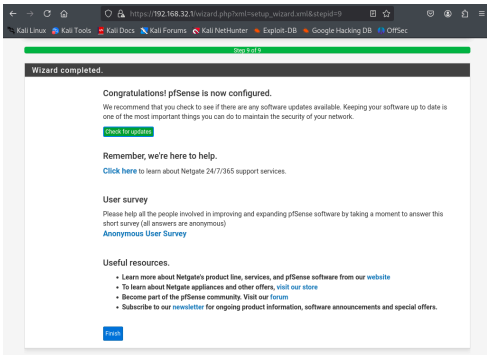
INSTALLAZIONE PFSENSE

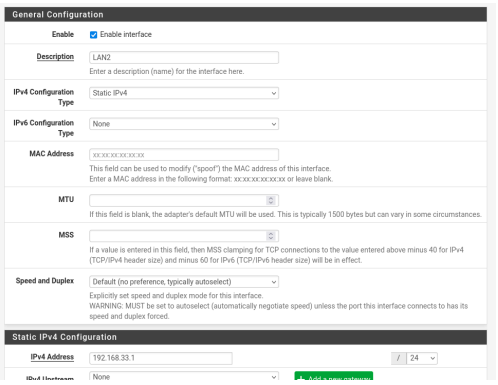
1. Scaricare l'immagine Iso da "https://www.pfsense.org/download/"
2. Creare una nuova macchina virtuale su VirtualBox
3. Impostare le schede di rete:
    - Pfsense:
        1) Scheda con bridge
        2) Rete interna "intnet"
        3) Rete interna "pfsense"
    - Kali: 192.168.32.100
        1) Rete interna "intnet"
    - Metasploitable 2: 192.168.33.101
        1) Rete interna "pfsense"
4. Accendere la VM e configurarla
5. Accedere al sito di pfsense e cliccare su NEXT, poi su RELOAD ed infine su FINISH



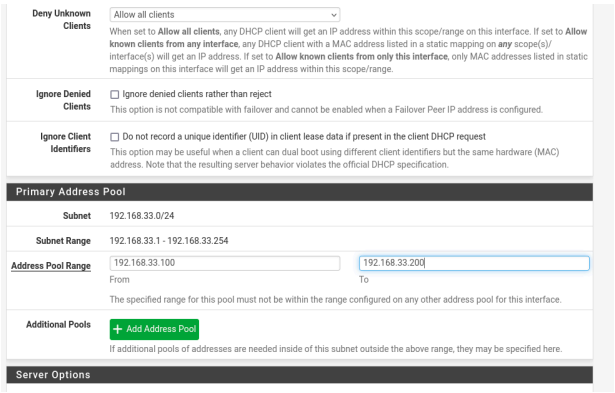




6. Dal sito di Pfsense, andare su INTERFACES → ASSIGNMENTS e creare una LAN2 con IPv4 192.168.33.1/24 (oltre alla LAN con IPv4 192.168.32.1/24)



7. Dal sito di Pfsense, andare su SERVICES → DHCP SERVER → LAN2 e compilare come segue



8. Avviare la VM Metasploitable 2 e tramite il comando *sudo nano /etc/network/interfaces*, scriviamo quanto segue

```
# 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 dhcp
address 192.168.33.101
netmask 255.255.255.0
network 192.168.33.0
broadcast 192.168.33.255
gateway 192.168.33.1
```

9. Creare una nuova regola che blocchi il traffico sulla porta 80 da Kali a Meta, andando su FIREWALL → RULES → EDIT e compilando come segue