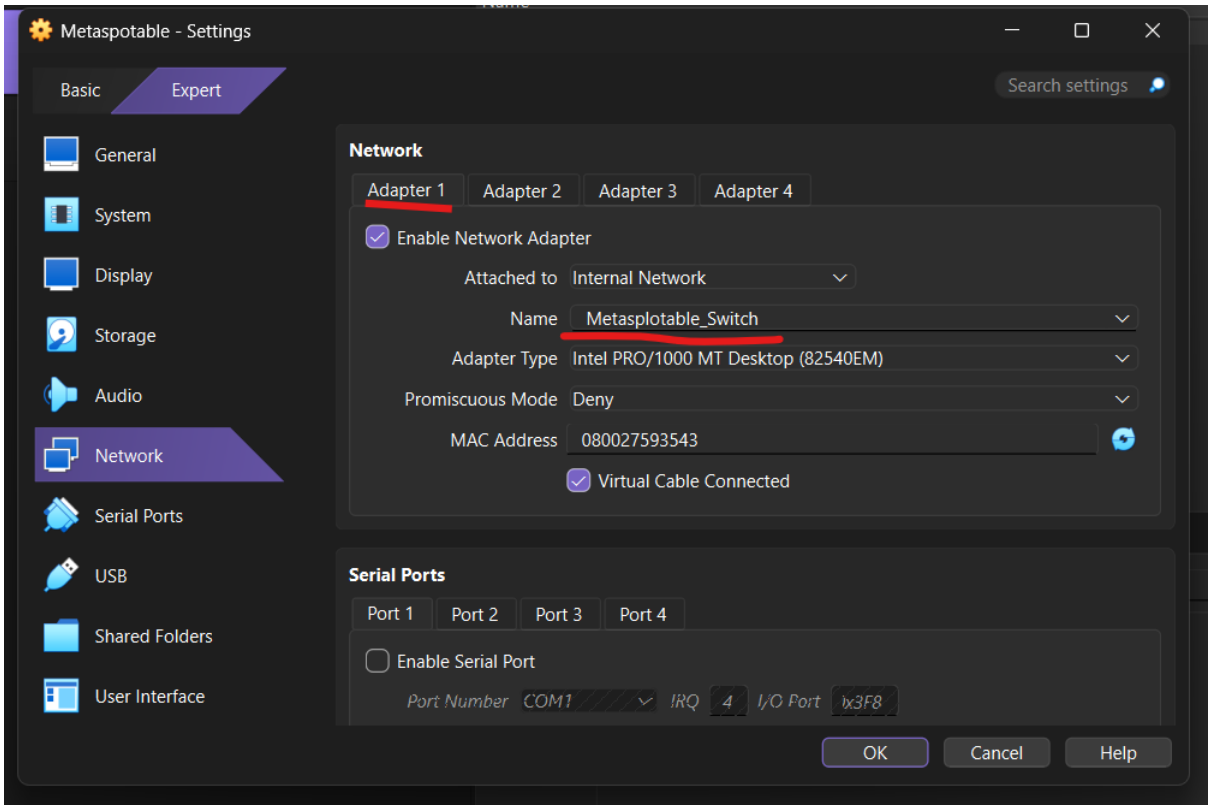
Obbiettivo:

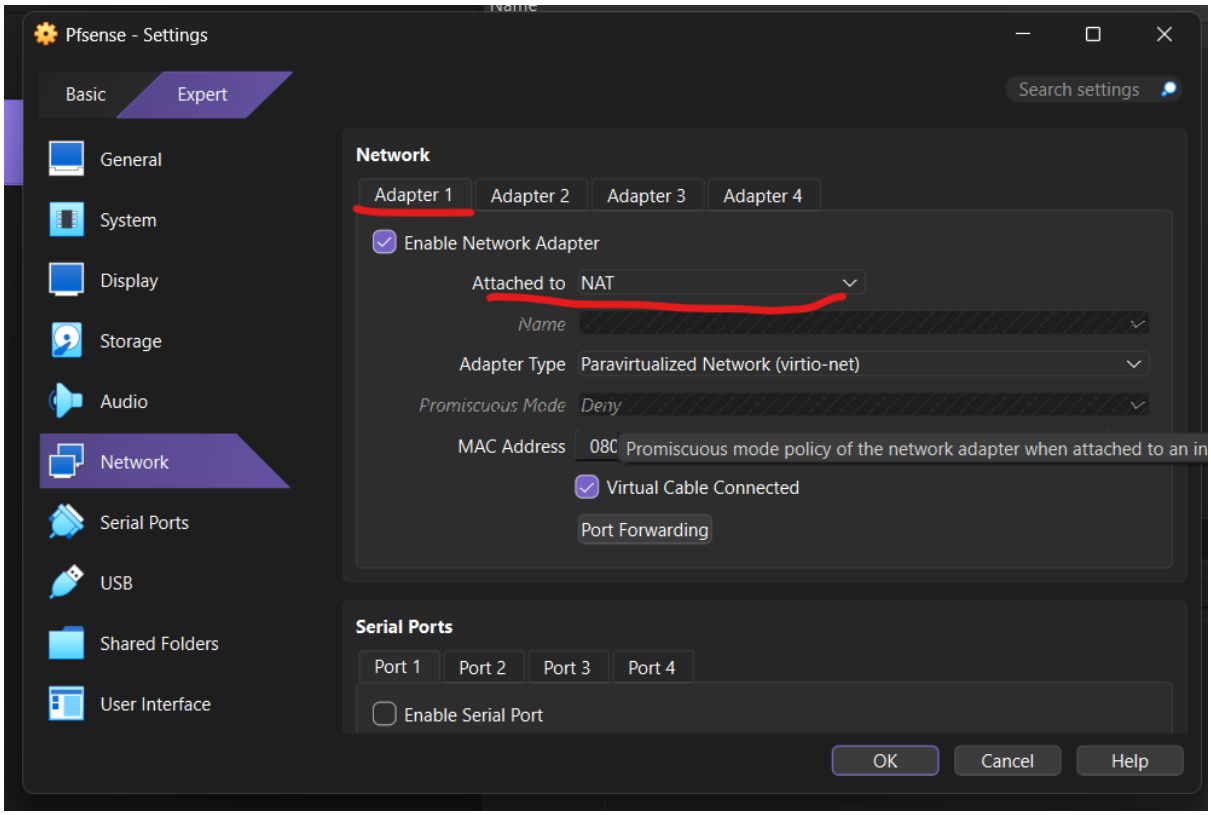
Creare una regola firewall che **blocchi** l'accesso alla DVWA (su metasploitable) dalla macchina Kali Linux e ne impedisca di conseguenza lo scan. Un requisito fondamentale dell'esercizio è che le macchine Kali e Metasploitable siano su reti diverse, potete aggiungere una nuova interfaccia di rete a Pfsense in modo tale da gestire una ulteriore rete. Connettetevi poi in Web Gui per attivare la nuova interfaccia e configurarla.

Configurazione Network delle tre macchine Virtuali

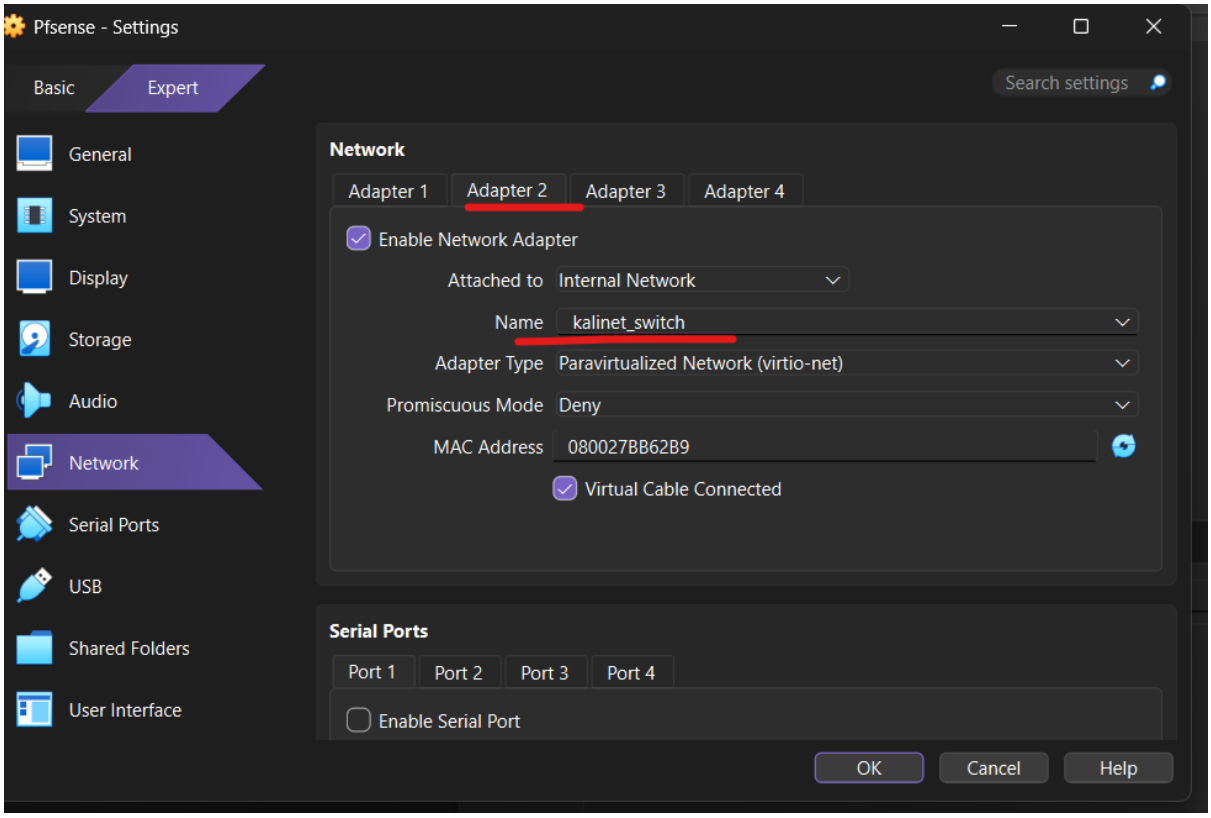
Configurazione **Mtasploitable** Adapter1



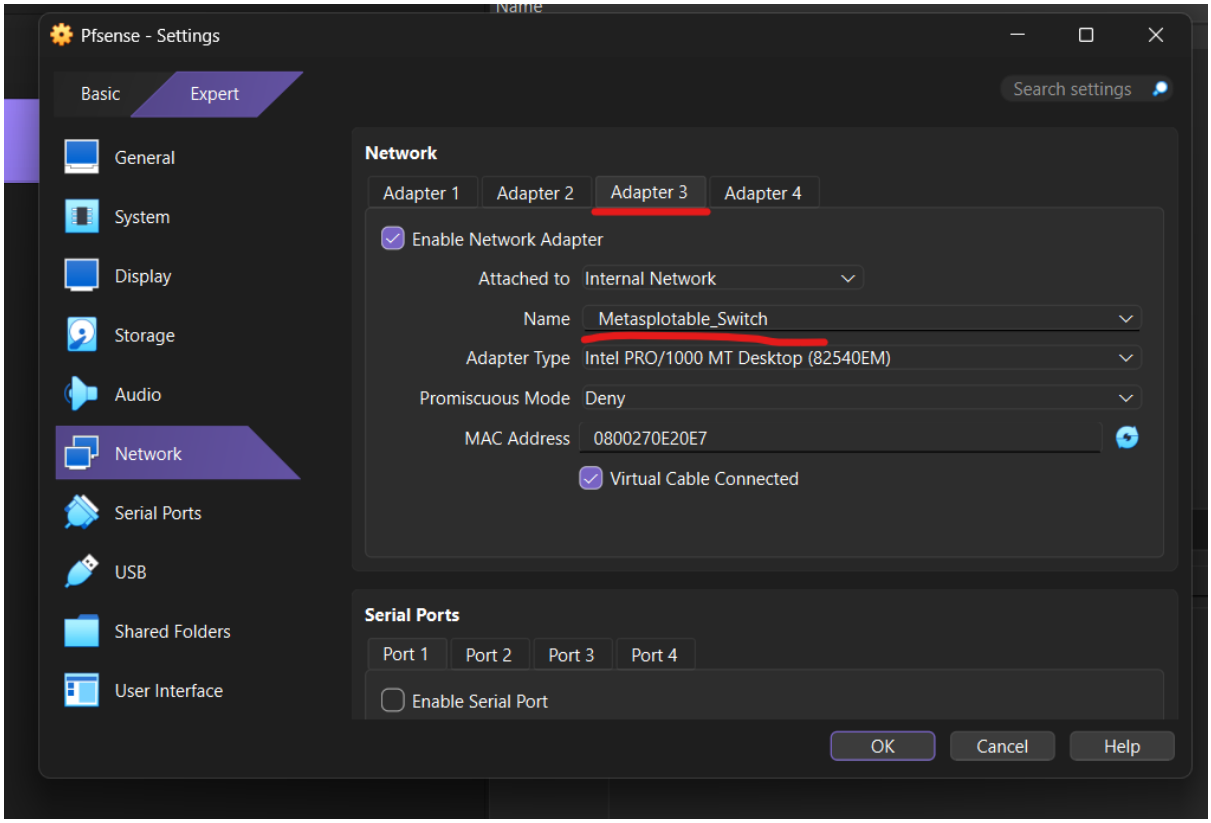
Configurazione **PsSense** Adapter 01



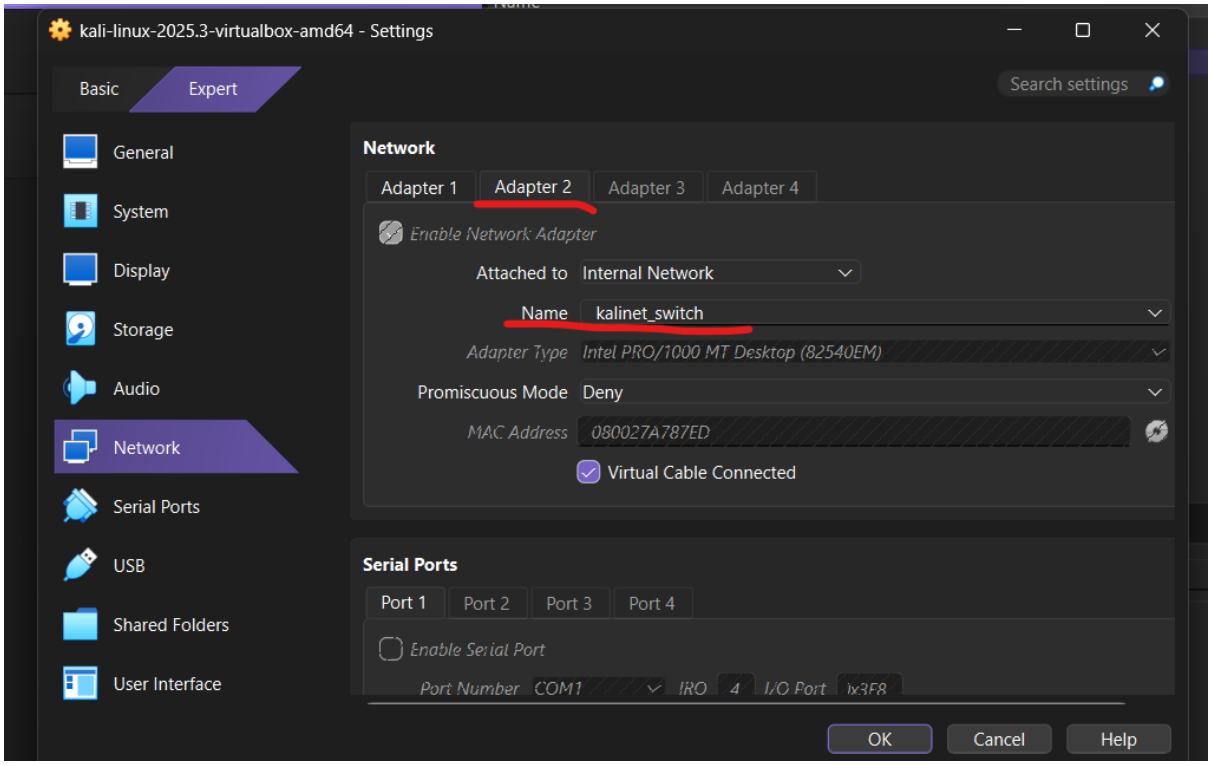
Configurazione **PsSense** Adapter 02



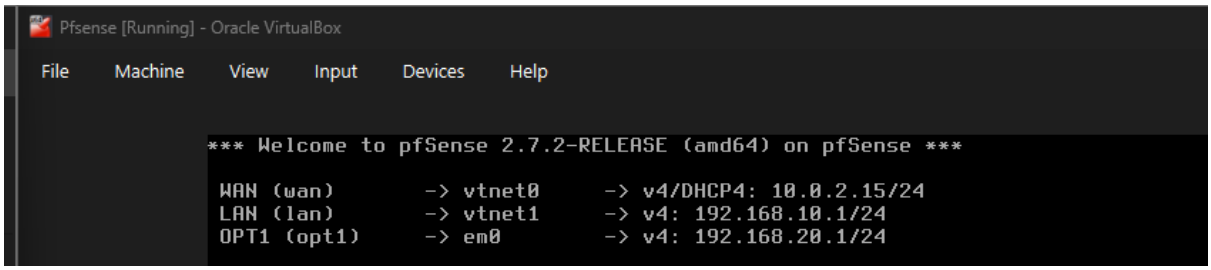
Configurazione **PsSense** Adapter 03



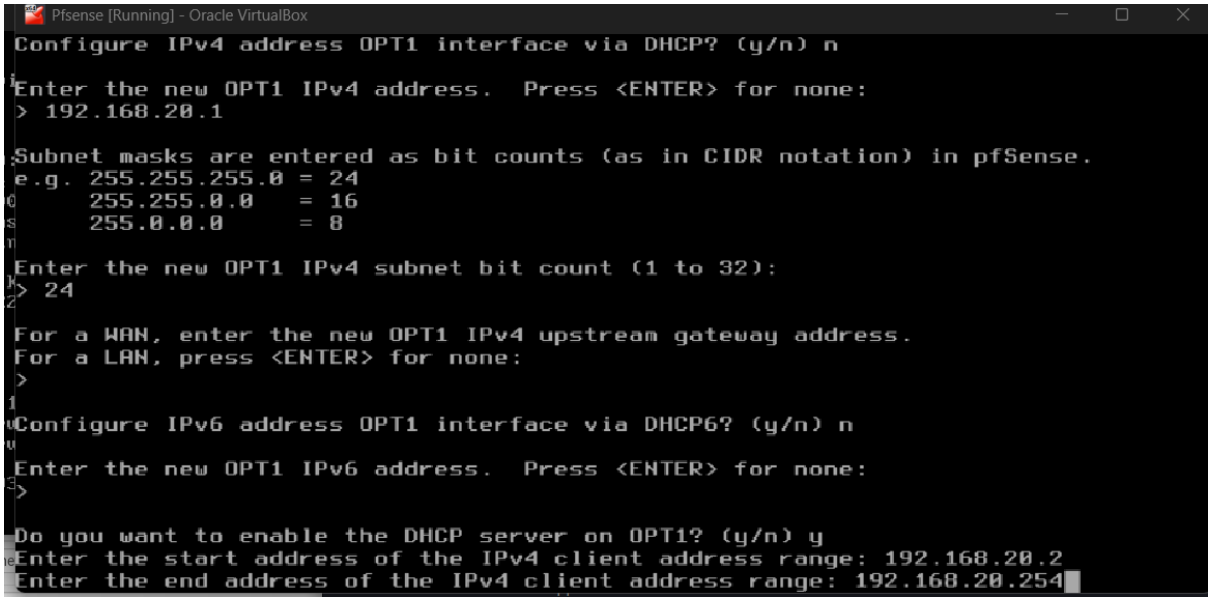
Configurazione **Kali** Adapter 01



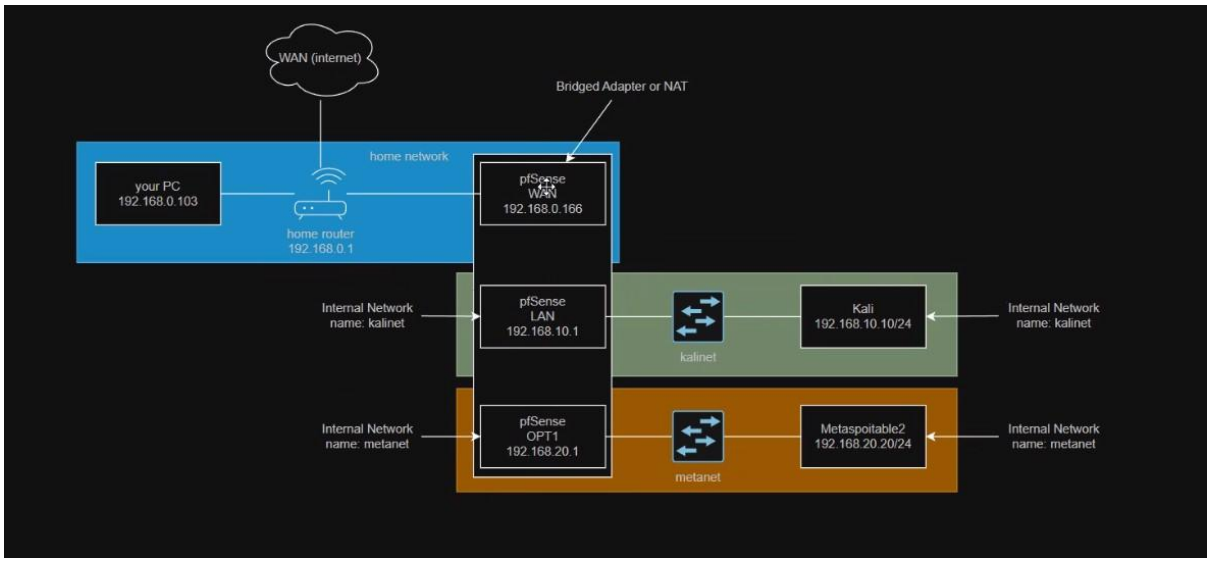
PSense 3 schede di rete e gli ip associati:



PfSense Configuration gateway range
Network 1:
Start Address Range: 192.268.10.2
End Address Rage: 192.268.10.254
Network 2:
Start Address Range: 192.268.20.2
End Address Rage: 192.268.20.254



Topologico Ottenuto:



ScreenshotFirewall rules **WAN**:

Interfaces / WAN (vtnet0)

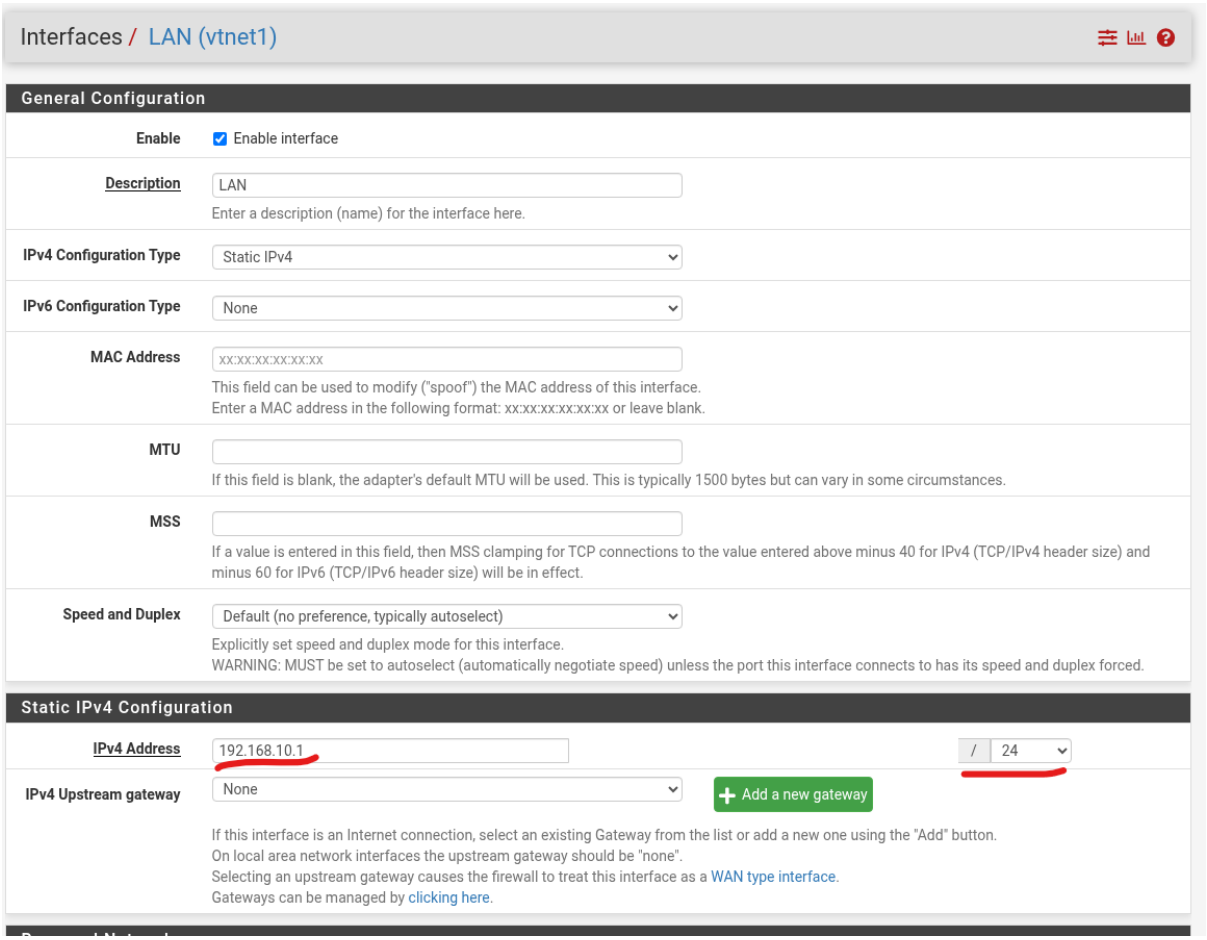
General Configuration

Enable	☑ Enable interface
Description	WAN Enter a description (name) for the interface here.
IPv4 Configuration Type	DHCP
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.

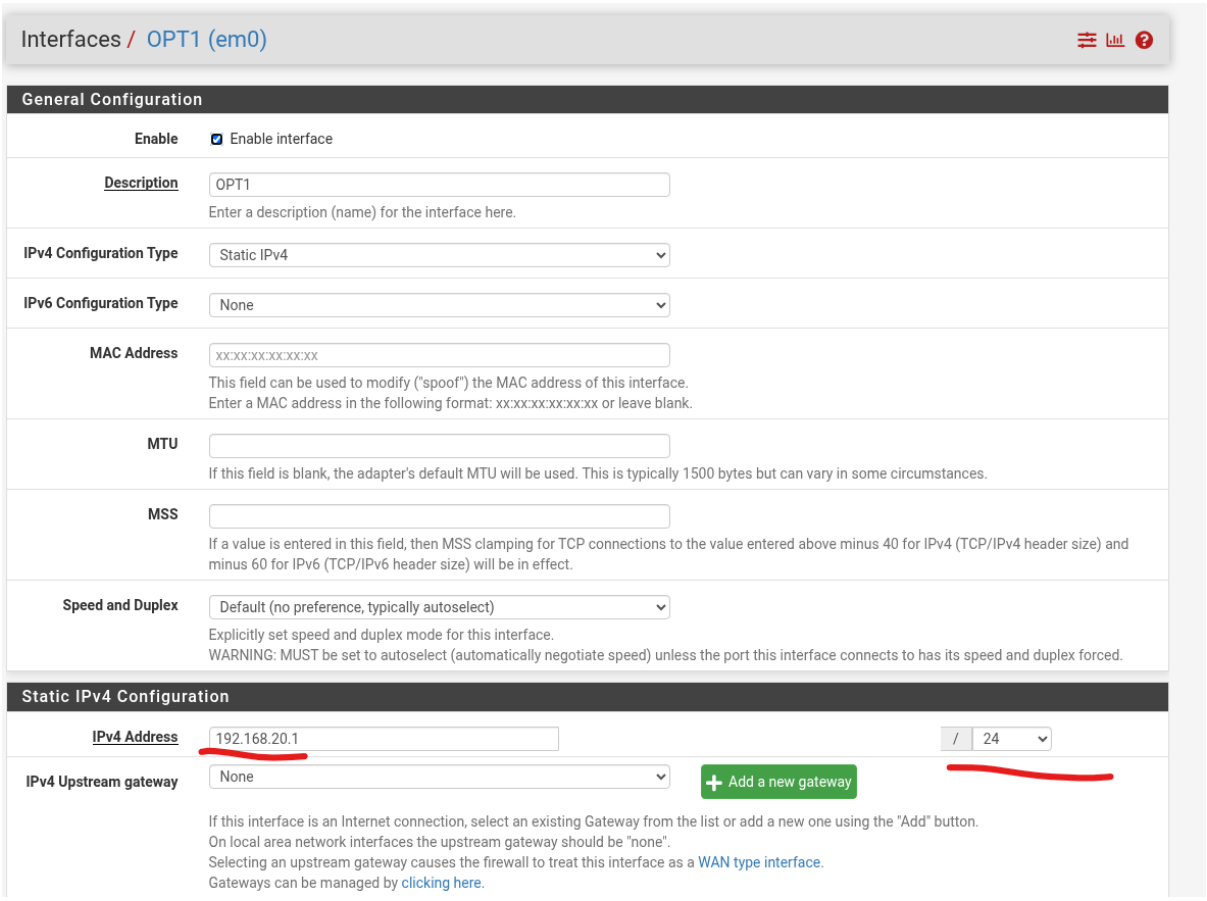
DHCP Client Configuration

Options	☐ Advanced Configuration Use advanced DHCP configuration options.	☐ Configuration Override Override the configuration from this file.
Hostname	The value in this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).	
Alias IPv4 address	/ 32	

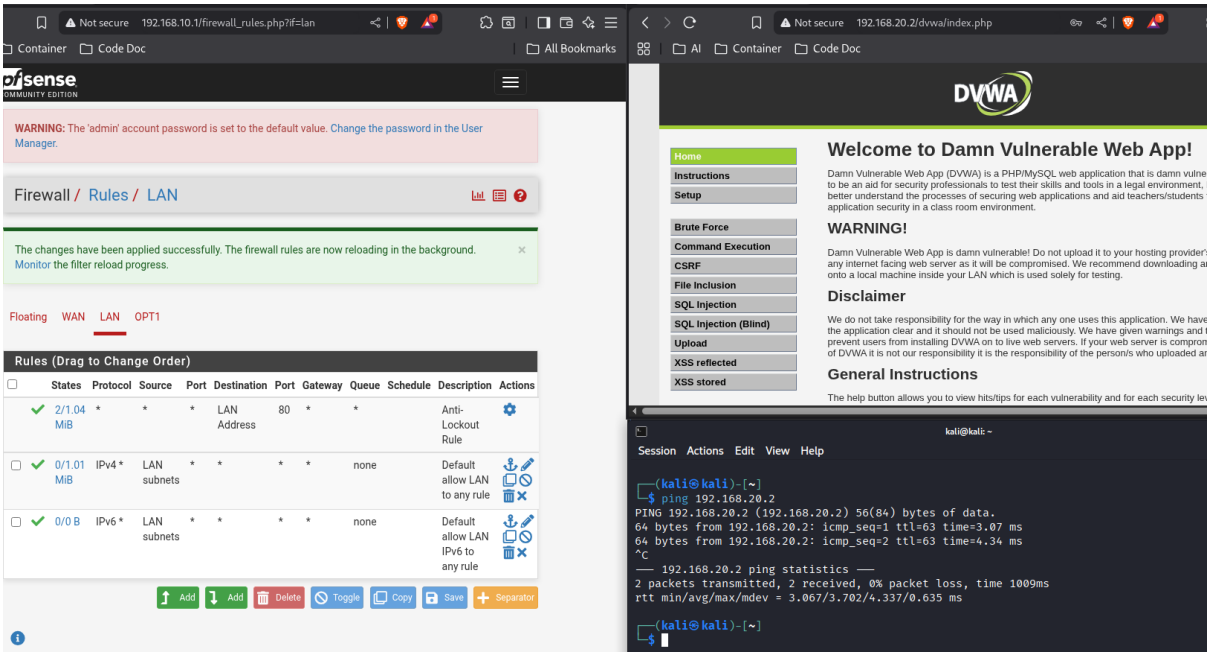
Screenshot Firewall rules LAN



Screenshot Firewall rules **OPT1**



Screeenshot browser della Kali che apre la pagina servita della Metasploitable2 + il protocollo ICMP raggiungibile.



Screeenshot browser della Kali che non riesce più ad aprire la pagina servita della Metasploitable2 (dopo l'applicazione della regola) + il protocollo ICMP ancora funzionante