

Progetto Firewall

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. Conngettatevi poi in Web Gui per attivare la nuova interfaccia e configurarla.

screen 1



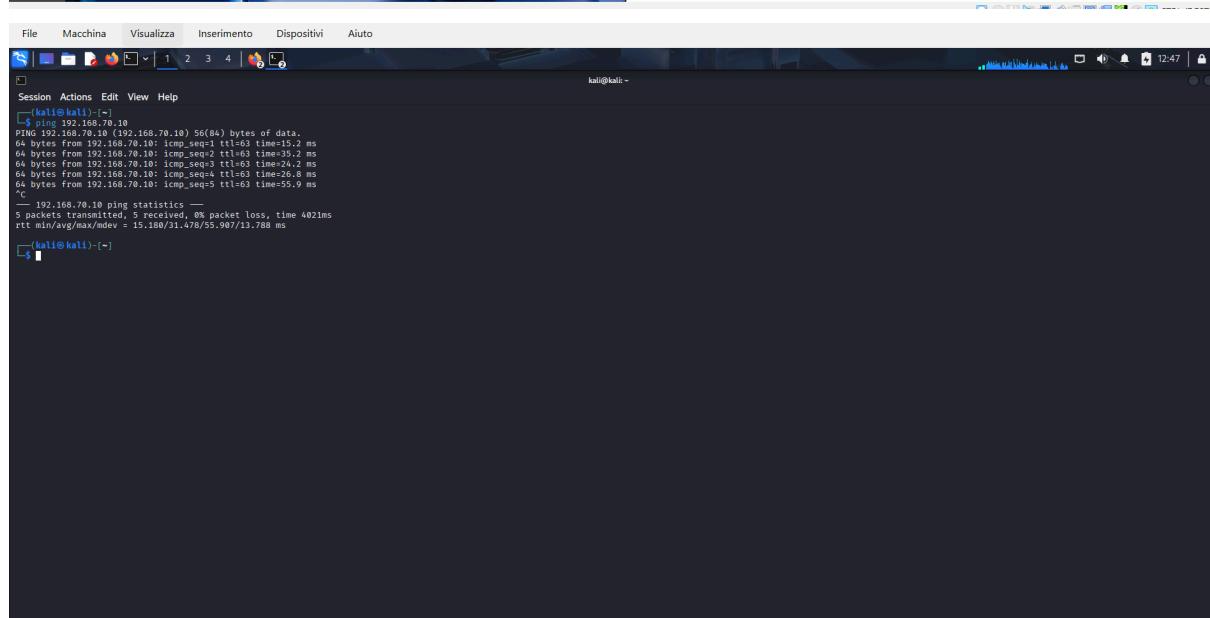
```
You can now access the webConfigurator by opening the following URL in your web browser:  
http://192.168.70.1/  
Press <ENTER> to continue.  
VirtualBox Virtual Machine - Netgate Device ID: 8a206f5da3f4fde0baeb  
*** Welcome to pfSense 2.7.2-RELEASE (amd64) on pfSense ***  
WAN (wan)      -> vtne0     -> v4/DHCP4: 192.168.0.73/24  
                  v6: 2a0e:416:c1e8:0:a00:27ff:fe12:de2e/64  
LAN (lan)      -> vtne1     -> v4: 192.168.10.1/24  
OPT1 (opt1)    -> em0       -> v4: 192.168.70.1/24  
  
 0) Logout (SSH only)          9) pfTop  
 1) Assign Interfaces          10) Filter Logs  
 2) Set interface(s) IP address 11) Restart webConfigurator  
 3) 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  
  
Enter an option: █
```



Session Actions Edit View Help

```
└─(kali㉿kali)-[~]
$ ping 192.168.70.10
PING 192.168.70.10 (192.168.70.10) 56(84) bytes of data.
64 bytes from 192.168.70.10: icmp_seq=1 ttl=63 time=5.49 ms
64 bytes from 192.168.70.10: icmp_seq=2 ttl=63 time=25.1 ms
64 bytes from 192.168.70.10: icmp_seq=3 ttl=63 time=2.15 ms
64 bytes from 192.168.70.10: icmp_seq=4 ttl=63 time=14.7 ms
64 bytes from 192.168.70.10: icmp_seq=5 ttl=63 time=5.39 ms
^C
--- 192.168.70.10 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4139ms
rtt min/avg/max/mdev = 2.151/10.579/25.149/8.406 ms
```

```
└─(kali㉿kali)-[~]
$ █
```



The connection has timed out

The server at 192.168.70.10 is taking too long to respond.

- The site could be temporarily unavailable or too busy. Try again in a few moments.
- If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the web.

Try again

192.168.0.73/firewall_rules.php?if=opt1

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WARNING: The 'admin' account password is set to the default value. Change the password in the User Manager.

Firewall / Rules / OPT1

The changes have been applied successfully. The firewall rules are now reloading in the background.
Monitor the filter reload progress.

Floating WAN LAN OPT1

States	Protocol	Source	Port	Destination	Port	Gateway	Queue	Schedule	Description	Actions
✓ 0/0 B	IPv6 *	LAN subnets	*	*	*	*	none		Default allow LAN IPv6 to any rule	
✓ 0/0 B	IPv4 *	LAN subnets	*	*	*	*	none		Default allow LAN to any rule	

Add Add Delete Toggle Copy Save Separator

192.168.0.73/firewall_rules.php?if=wlan

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Firewall / Rules / WAN

Floating WAN LAN OPT1

States	Protocol	Source	Port	Destination	Port	Gateway	Queue	Schedule	Description	Actions
✗ 0/26 KiB	*	RFC 1918 networks	*	*	*	*	*		Block private networks	
✗ 0/1 KiB	*	Reserved Not assigned by IANA	*	*	*	*	*		Block bogon networks	

No rules are currently defined for this interface
All incoming connections on this interface will be blocked until pass rules are added. Click the button to add a new rule.

Add Add Delete Toggle Copy Save Separator