

Esercizio: Creare una regola firewall che blocchi l'accesso alla DVWA (su metasploitable) dalla macchina kali e ne impedisca lo scan.

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.

Svolgimento:

di seguito i due "ip a" delle macchine per controllare che abbiano due reti differenti.

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Metasploitable [In esecuzione] - Oracle VirtualBox
Last login: Thu Sep 11 15:33:25 EDT 2025 on tty1
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686

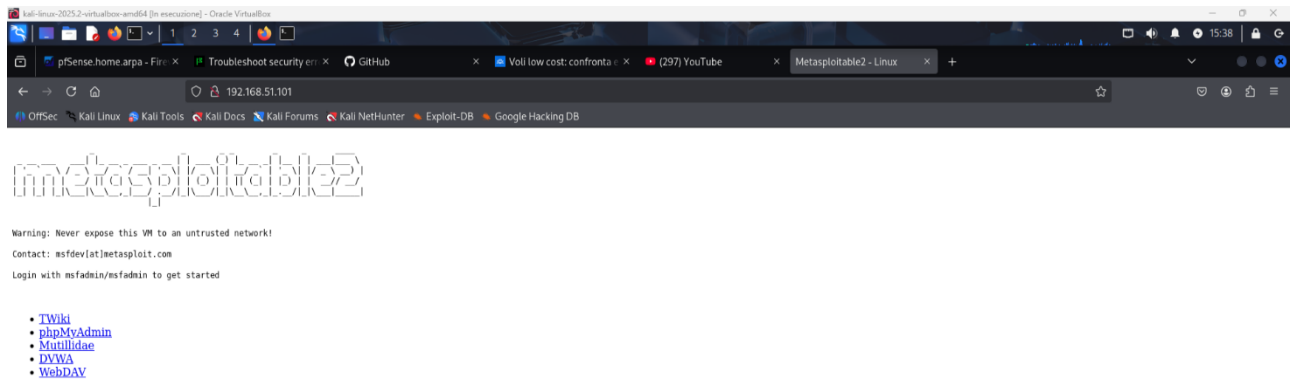
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

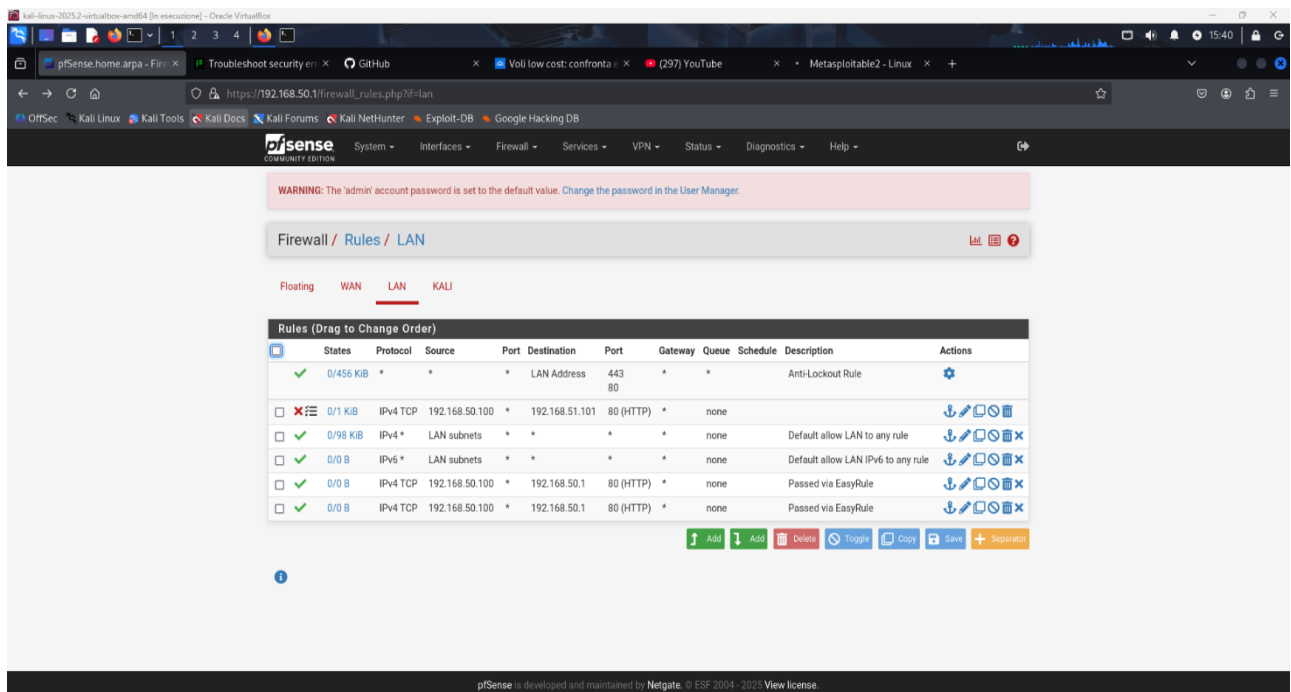
To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
No mail.
msfadmin@metasploitable:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 08:00:27:fc:21:ab brd ff:ff:ff:ff:ff:ff
    inet 192.168.51.101/24 brd 192.168.51.255 scope global eth0
    inet6 fe80::a00:27ff:fefc:21ab/64 scope link
        valid_lft forever preferred_lft forever
msfadmin@metasploitable:~$
```

```
kali@kali
File Actions Edit View Help
(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:d1:f8:5d brd ff:ff:ff:ff:ff:ff
    inet 192.168.50.100/24 brd 192.168.50.255 scope global noprefixroute eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::60c0:febf:7d4c:6e5a/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:6c:09:74 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::7515:94aa:7672:9d5a/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
(kali@kali)-[~]
$
```

Di seguito lo screen della prova che la DVWA prima del blocco firewall funzioni:



Di seguito lo screen della regola firewall per bloccare l'accesso alla DVWA



Di seguito vediamo lo screen dopo aver effettuato il blocco con il firewall grazie a PFsense

