

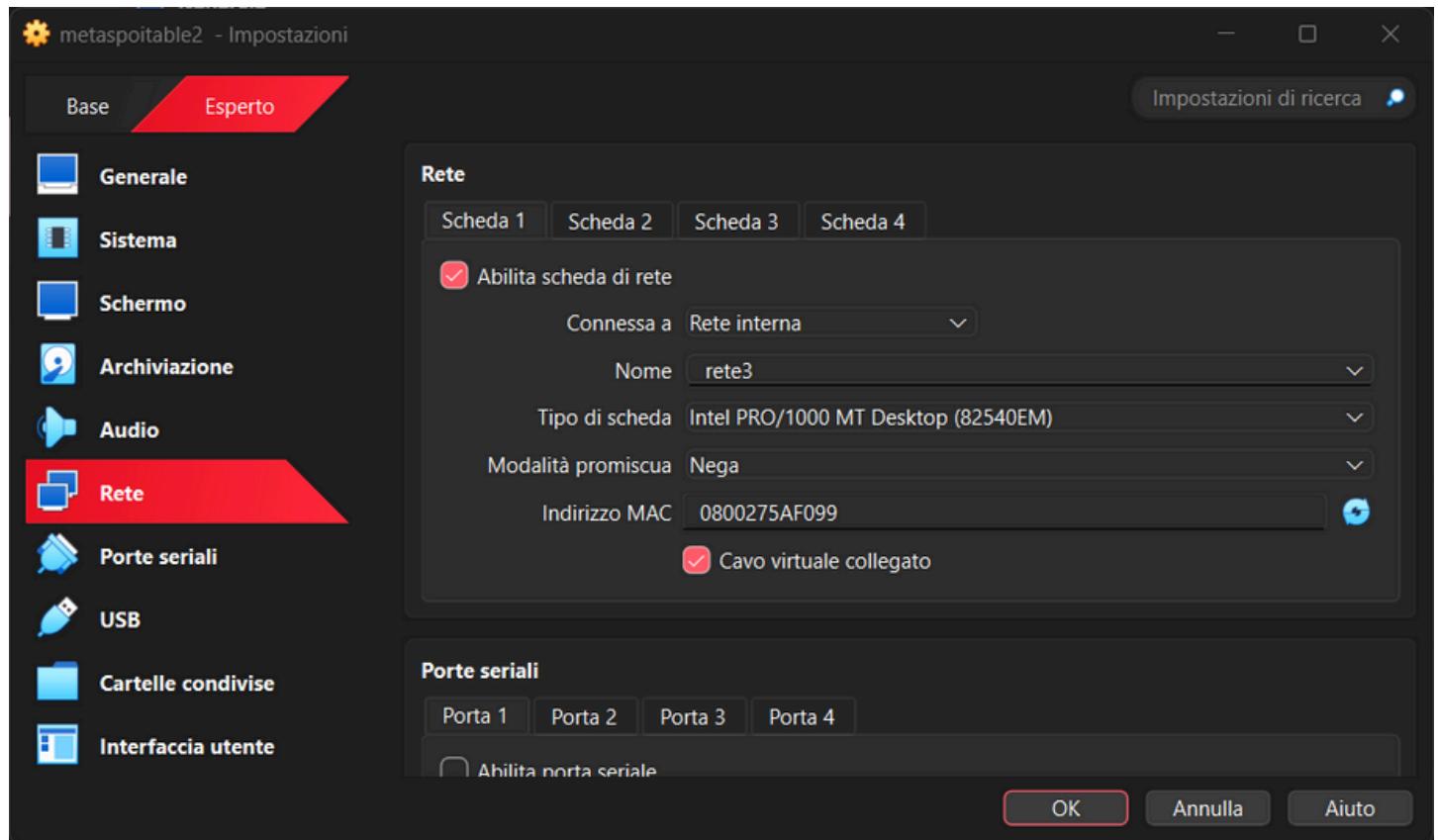
buongiorno a tutti, chiedo scusa per questi ultimi report un po' ristretti ma sto avendo veramente pochissimo tempo per problemi personali e sto portando il pc ovunque con me per lavorare ogni qual volta riesca a trovare 5 minuti liberi

## esercizio

L'esercizio è diviso in più parti, in breve dobbiamo mettere in comunicazione kali o meta attraverso pfsense,, le macchine devono essere su due reti differenti che confluiscono nel firewall. Per iniziare viene richiesto di creare un'ulteriore interfaccia di rete per pfsense dove collegheremo la macchina meta



ovviamente ora inseriremo meta sulla nuova rete, cioè rete3



abilitiamo il dhcp sulla rete pfsense e ora modifichiamo le info ip di meta

attenzione! bisogna abilitare la regola che permetta a tutti di cominciare

kali [In esecuzione] - Oracle VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

ptSense.home.arpas - Firefox

https://192.168.50.1/firewall\_rules\_edit.php?id=4

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**pfSense COMMUNITY EDITION**

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

**Firewall / Rules / Edit**

**Edit Firewall Rule**

Action: Pass

Choose what to do with packets that match the criteria specified below.  
Hint: the difference between block and reject is that with reject, a packet (TCP RST or ICMP port unreachable for UDP) is returned to the sender, whereas with block the packet is dropped silently. In either case, the original packet is discarded.

Disabled:  Disable this rule  
Set this option to disable this rule without removing it from the list.

Interface: LANTWO  
Choose the interface from which packets must come to match this rule.

Address Family: IPv4+IPv6  
Select the Internet Protocol version this rule applies to.

Protocol: Any  
Choose which IP protocol this rule should match.

**Source**

Source:  Invert match Any Source Address /

**Destination**

Destination:  Invert match LANTWO address Destination Address /

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le due macchine pingano su reti diverse

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Session Actions Edit View Help

kali@kali: ~

```
-- 192.168.10.1 ping statistics --
5 packets transmitted, 5 received, 0% packet loss, time 412ms
rtt min/avg/max/mdev = 0.690/1.697/4.035/1.202 ms
```

Source:  Invert match Any

-- 192.168.30.101 ping statistics --
3 packets transmitted, 3 received, 0% packet loss, time 2150ms
rtt min/avg/max/mdev = 1.427/2.120/2.574 ms

Destination:  Invert match LANTWO address

(kali㉿kali: ~)

```
$ ping 192.168.30.101
PING 192.168.30.101 (192.168.30.101) 56(84) bytes of data.
64 bytes from 192.168.30.101: icmp_seq=1 ttl=63 time=7.49 ms
64 bytes from 192.168.30.101: icmp_seq=2 ttl=63 time=1.43 ms
64 bytes from 192.168.30.101: icmp_seq=3 ttl=63 time=2.26 ms
``C
-- 192.168.30.101 ping statistics --
3 packets transmitted, 3 received, 0% packet loss, time 2150ms
rtt min/avg/max/mdev = 1.427/2.120/2.574 ms
```

Log:  Log packets that are handled by this rule

A description may be entered here for administrative reference.

Advanced Options:  display Advanced

(kali㉿kali: ~)

```
$ ping -c 4 192.168.30.101
PING 192.168.30.101 (192.168.30.101) 56(84) bytes of data.
64 bytes from 192.168.30.101: icmp_seq=1 ttl=63 time=2.35 ms
64 bytes from 192.168.30.101: icmp_seq=2 ttl=63 time=3.83 ms
64 bytes from 192.168.30.101: icmp_seq=3 ttl=63 time=1.07 ms
64 bytes from 192.168.30.101: icmp_seq=4 ttl=63 time=3.31 ms
Created: 11/26/25 12:24:46 by admin@192.168.50.10 (Local Database)
4 packets transmitted, 4 received, 0% packet loss, time 383ms
rtt min/avg/max/mdev = 1.696/2.796/3.827/0.827 ms
```

(kali㉿kali: ~)

Save

metasploitable2 [In esecuzione] - Oracle VirtualBox

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```
64 bytes from 192.168.30.1: icmp_seq=2 ttl=64 time=0.659 ms
64 bytes from 192.168.30.1: icmp_seq=3 ttl=64 time=0.646 ms
64 bytes from 192.168.30.1: icmp_seq=4 ttl=64 time=1.30 ms
64 bytes from 192.168.30.1: icmp_seq=5 ttl=64 time=0.625 ms
64 bytes from 192.168.30.1: icmp_seq=6 ttl=64 time=0.660 ms
64 bytes from 192.168.30.1: icmp_seq=7 ttl=64 time=0.542 ms
```

-- 192.168.30.1 ping statistics --
7 packets transmitted, 7 received, 0% packet loss, time 5995ms
nsfadmin@metasploitable:~\$ sudo su
(sudo) password for nsfadmin:
root@metasploitable:/home/nsfadmin# loadkeys it
Loading /usr/share/keymaps/it.map.be2
root@metasploitable:/home/nsfadmin# ping -c 4 192.168.50.100
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=2.54 ms
64 bytes from 192.168.50.100: icmp\_seq=2 ttl=63 time=2.41 ms
64 bytes from 192.168.50.100: icmp\_seq=3 ttl=63 time=1.20 ms
64 bytes from 192.168.50.100: icmp\_seq=4 ttl=63 time=3.75 ms

-- 192.168.50.100 ping statistics --
4 packets transmitted, 4 received, 0% packet loss, time 3002ms
rtt min/avg/max/mdev = 1.200/2.977/4.527/1.270 ms

root@metasploitable:/home/nsfadmin#

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ptSense COMMUNITY EDITION

System ▾ Interfaces ▾ Firewall ▾ Services ▾ VPN ▾ Status ▾ Diagn

https://192.168.50.1/firewall\_rules.php?f=opt1

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

Firewall / Rules / LANTWO

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

Floating dhcp WAN LAN LANTWO

Rules (Drag to Change Order)

	States	Protocol	Source	Port	Destination	Port	Gateway	Queue	Schedule	Description	Actions
<input type="checkbox"/>	✓ 0/1 KiB	IPv4+6 *	*	*	LANTWO address	*	*	none			
<input type="checkbox"/>	✗ 0/2 KiB	IPv4 *	LANTWO subnets	*	LAN subnets	*	*	none			

Add Add Delete Toggle Copy Save Separator

--- 192.168.50.100 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 2997ms  
rtt min/avg/max/mdev = 1.060/1.896/2.922/0.624 ms  
root@metasploitable:/home/msfadmin# ping -c 4 192.168.50.100  
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=2.65 ns  
64 bytes from 192.168.50.100: icmp\_seq=2 ttl=63 time=1.42 ns  
64 bytes from 192.168.50.100: icmp\_seq=3 ttl=63 time=1.44 ns  
64 bytes from 192.168.50.100: icmp\_seq=4 ttl=63 time=0.940 ns

--- 192.168.50.100 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 3002ns  
rtt min/avg/max/mdev = 0.940/1.616/2.653/0.633 ms  
root@metasploitable:/home/msfadmin# ping -c 4 192.168.50.100  
PING 192.168.50.100 (192.168.50.100) 56(84) bytes of data.

--- 192.168.50.100 ping statistics ---  
4 packets transmitted, 0 received, 100% packet loss, time 3005ms  
root@metasploitable:/home/msfadmin#

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