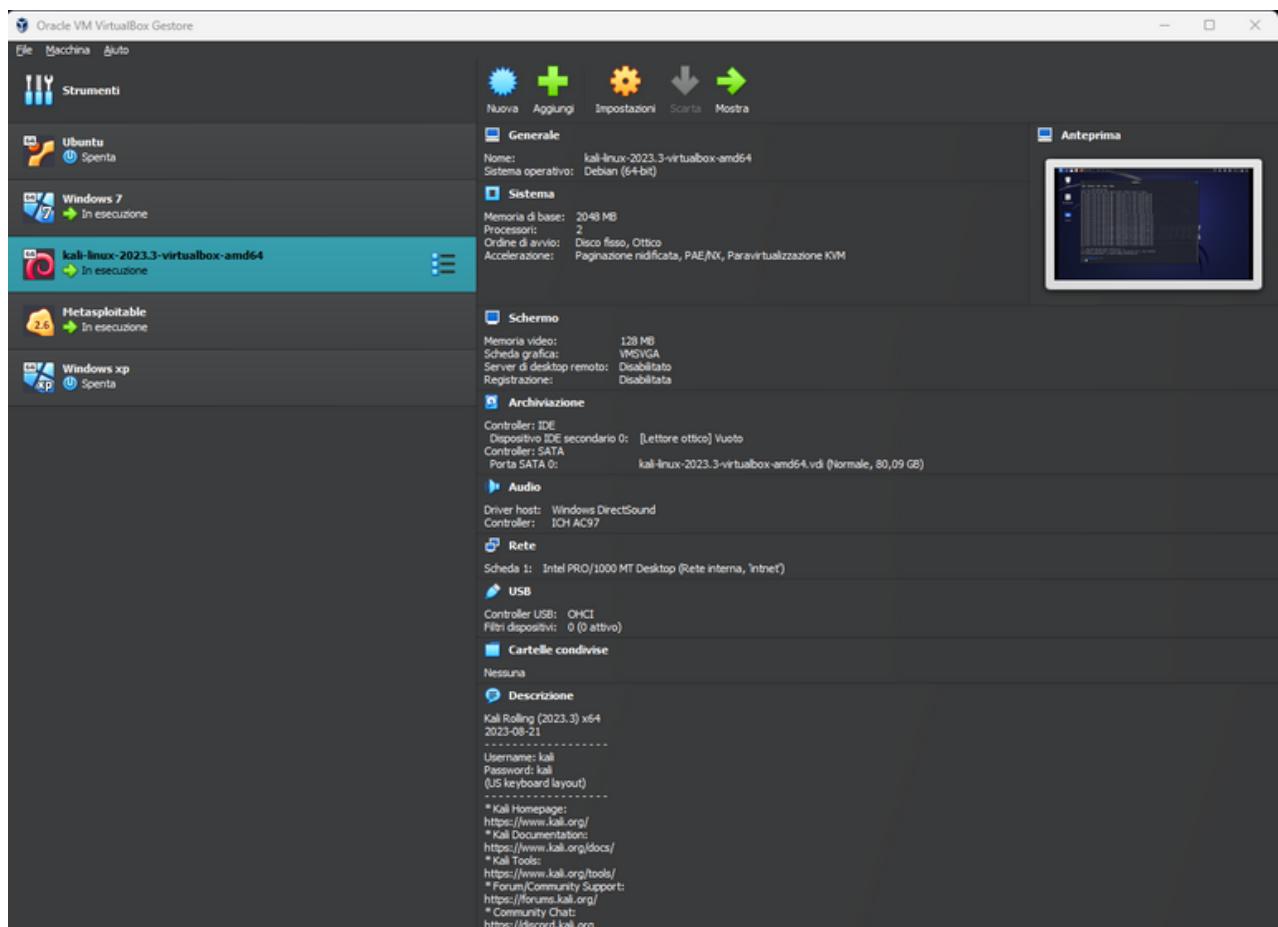
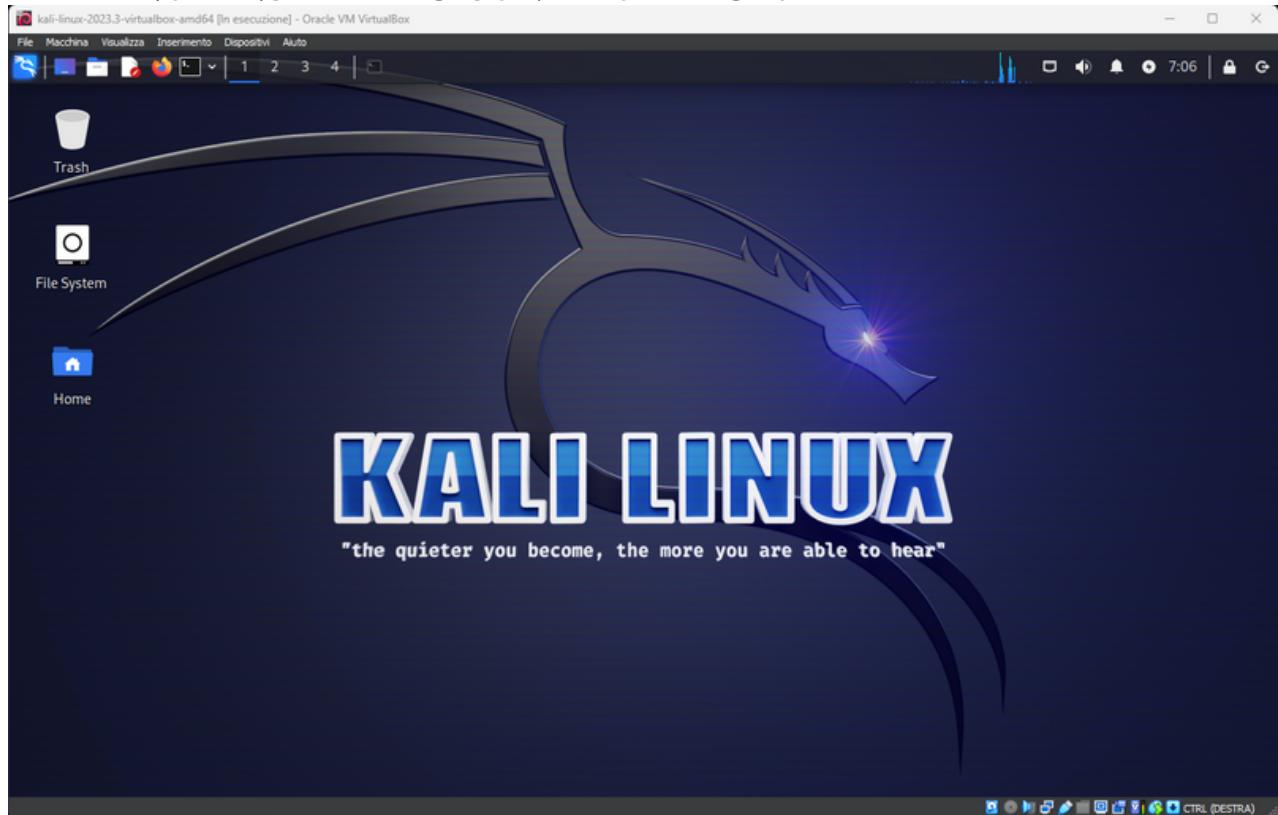


Esercizio W1D4

KALI LINUX INSTALLATO SU VIRTUAL BOX:



METASPLOITABLE INSTALLATO SU VIRTUAL BOX:

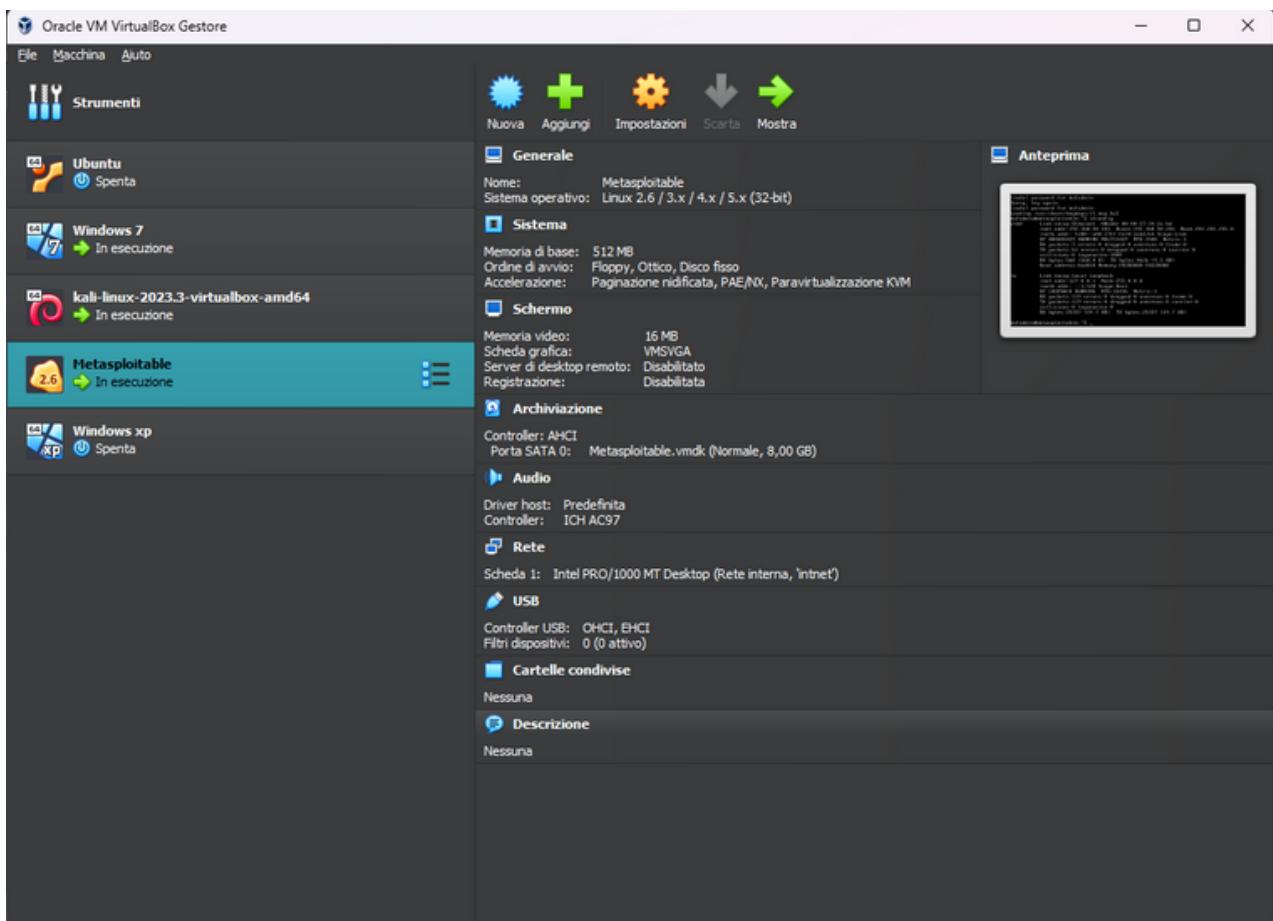
```
Metasploitable [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto
TX packets:119 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:25337 (24.7 KB) TX bytes:25337 (24.7 KB)

msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet HWaddr 08:00:27:34:2a:bd
          inet addr:192.168.50.101 Bcast:192.168.50.255 Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe34:2abd/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:19 errors:0 dropped:0 overruns:0 frame:0
          TX packets:76 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:1941 (1.8 KB) TX bytes:6050 (5.9 KB)
          Base address:0xd010 Memory:f0200000-f0220000

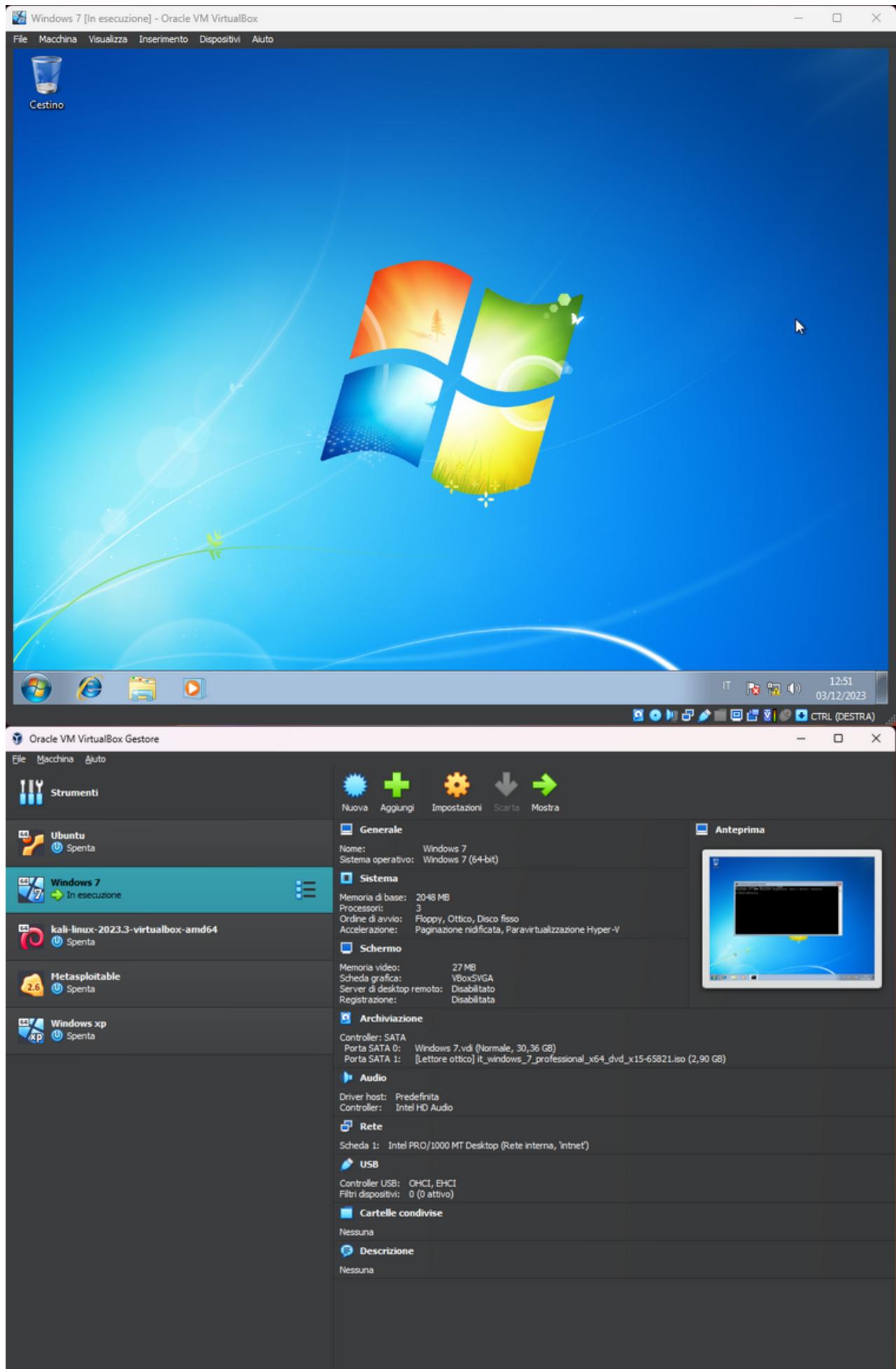
lo        Link encap:Local Loopback
          inet addr:127.0.0.1 Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING MTU:16436 Metric:1
          RX packets:140 errors:0 dropped:0 overruns:0 frame:0
          TX packets:140 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:35649 (34.8 KB) TX bytes:35649 (34.8 KB)

msfadmin@metasploitable:~$
```

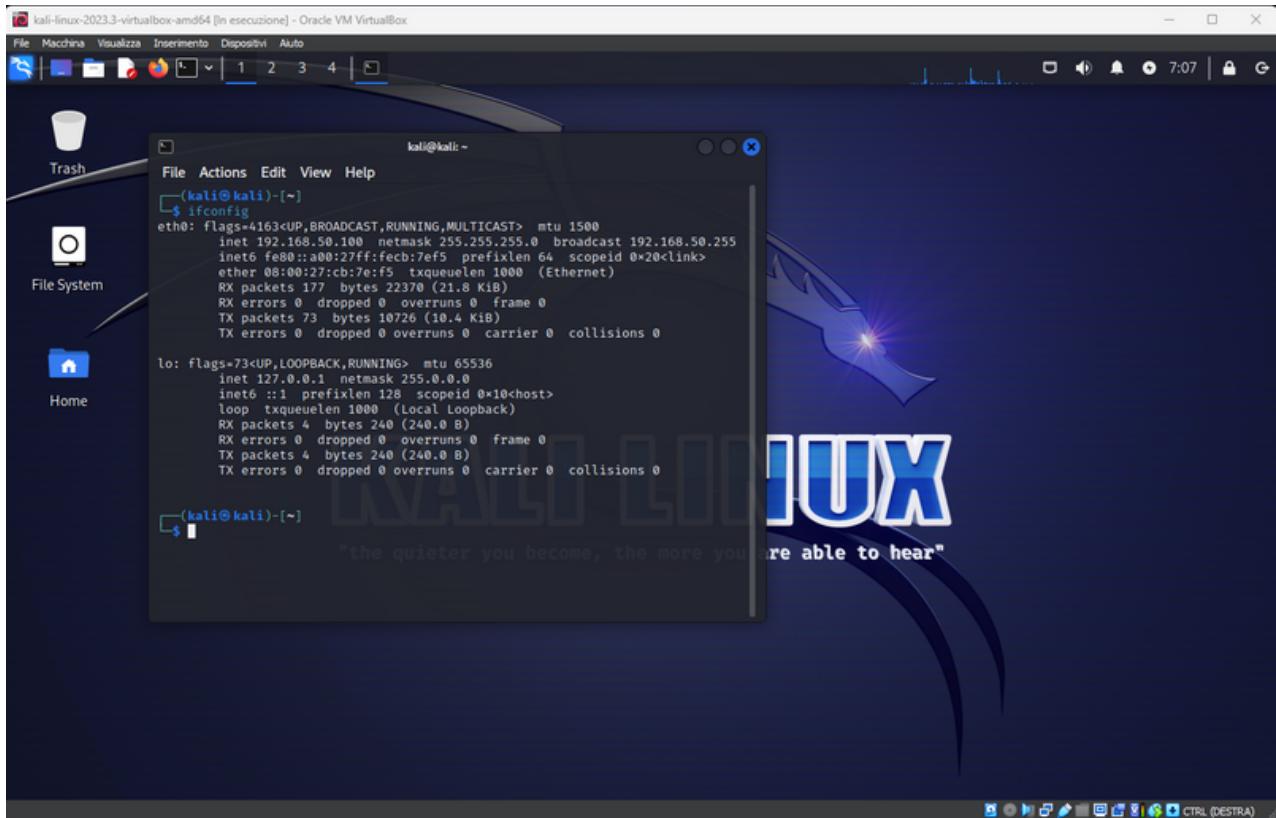
The screenshot shows a terminal window titled "Metasploitable [In esecuzione] - Oracle VM VirtualBox". The user has run the command "ifconfig" to check the network interface configuration. The output shows two interfaces: "eth0" and "lo". The "eth0" interface is an Ethernet adapter with MAC address 08:00:27:34:2a:bd, IP address 192.168.50.101, and subnet mask 255.255.255.0. The "lo" interface is a loopback interface with IP address 127.0.0.1.



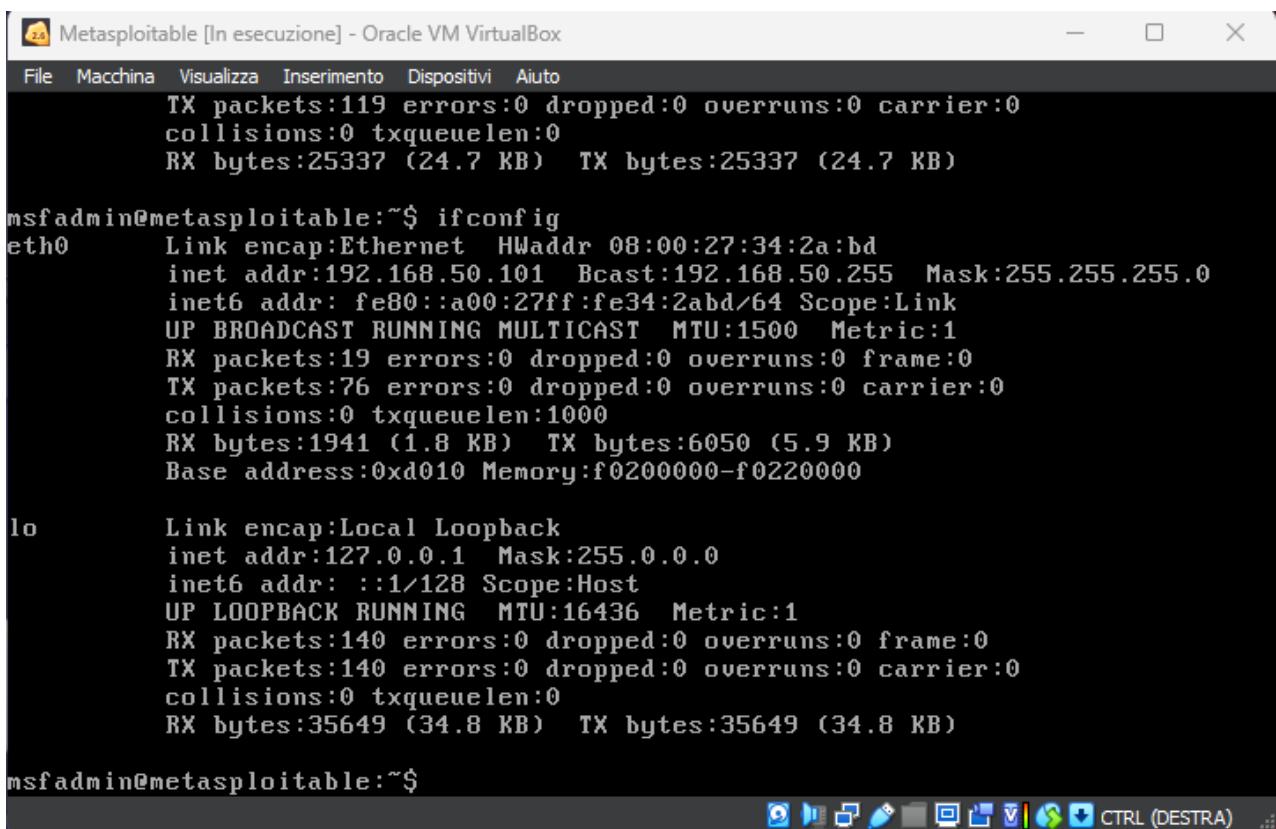
WINDOWS 7 INSTALLATO SU VIRTUAL BOX:



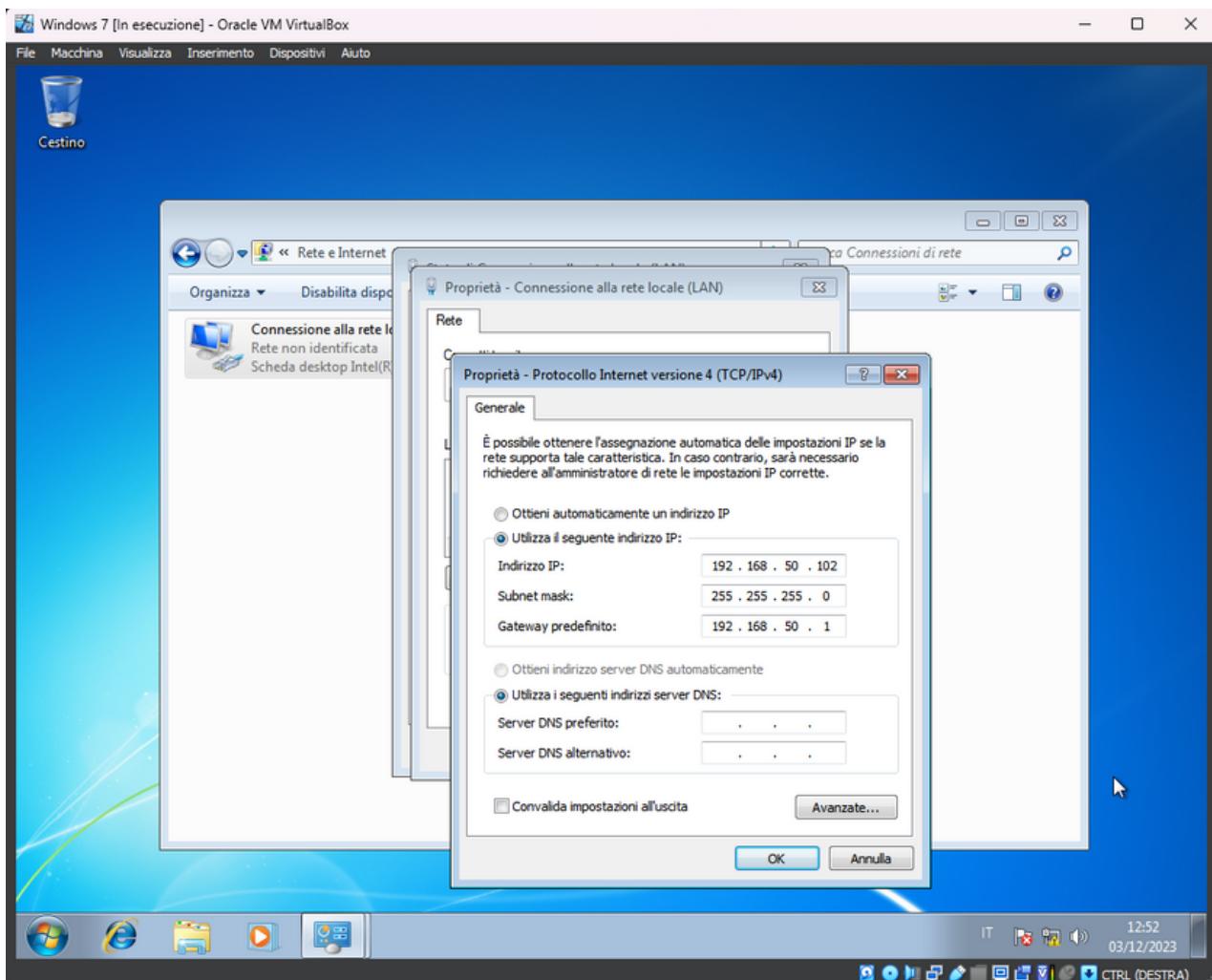
CONFIGURAZIONE INDIRIZZO IP STATICO KALI LINUX:



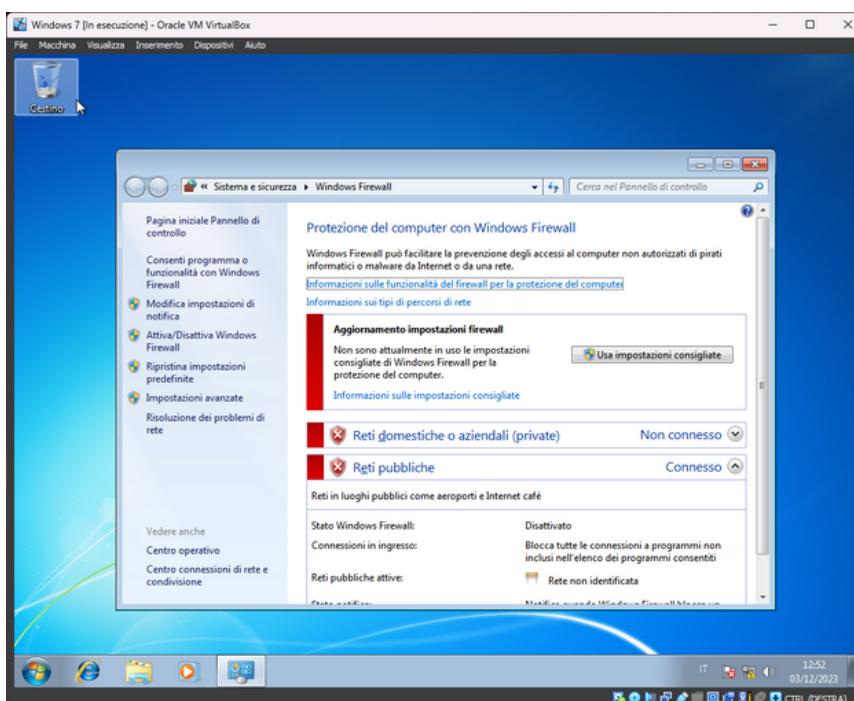
CONFIGURAZIONE INDIRIZZO IP STATICO METASPLOITABLE:



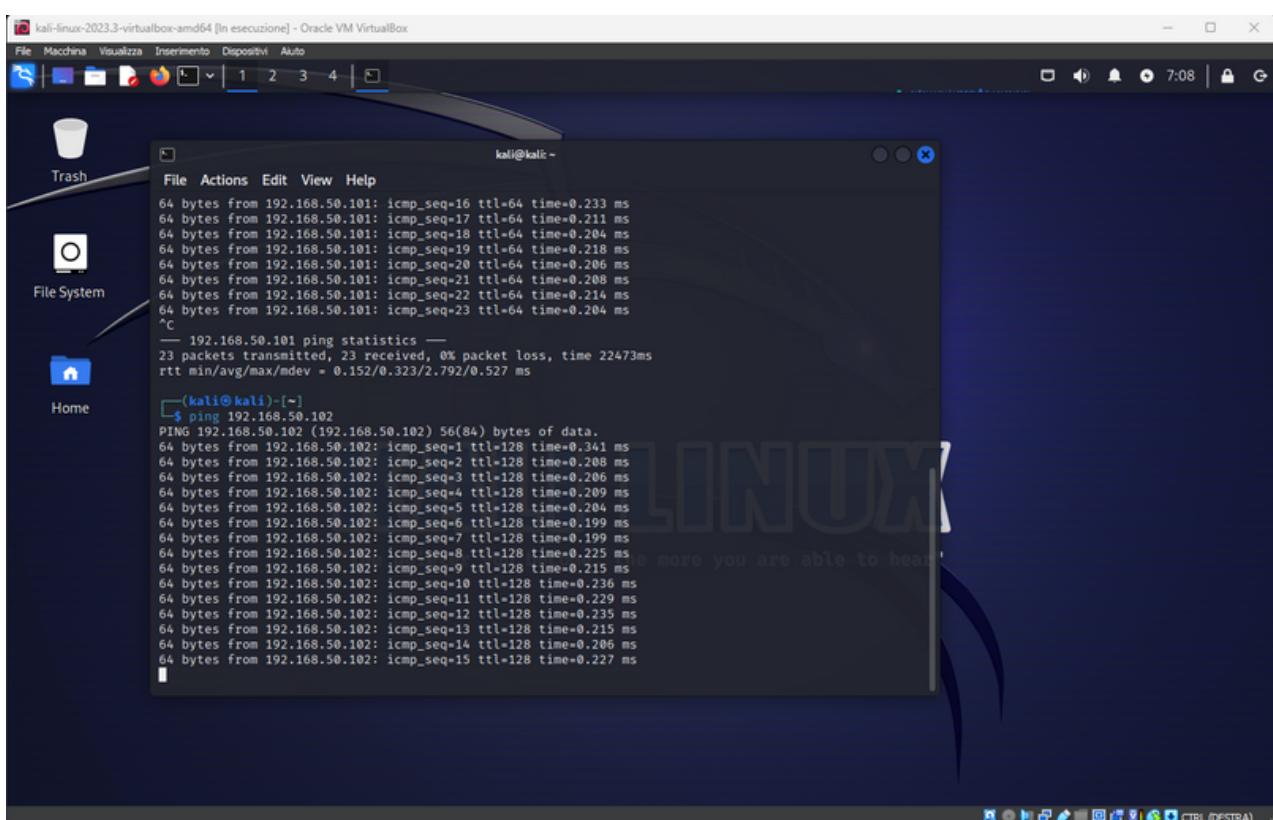
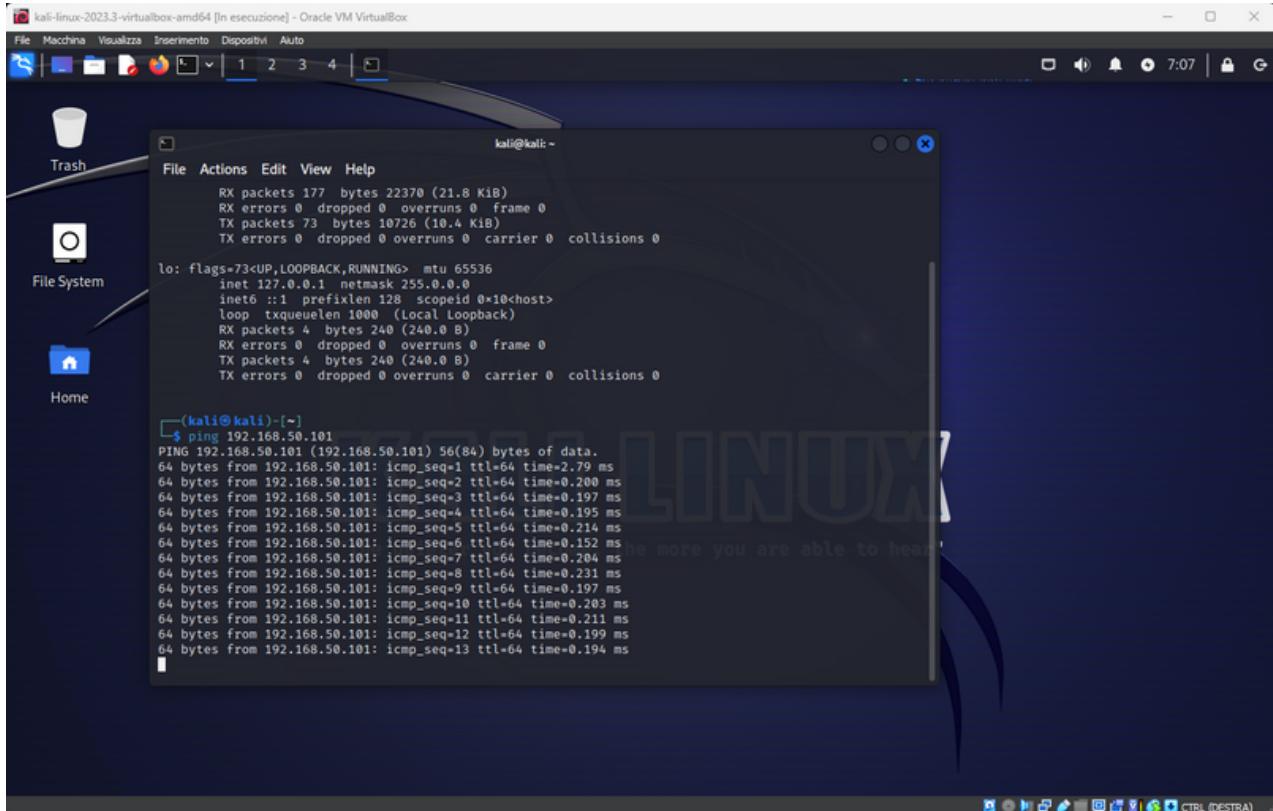
CONFIGURAZIONE INDIRIZZO IP STATICO WINDOWS 7:



DISATTIVAZIONE DEL FIREWALL BASE, IL QUALE MI BLOCCAVA I PING DA ALTRE MACCHINE.



ESECUZIONE COMANDO PING DA KALI LINUX A METASPLOITABLE E WINDOWS:

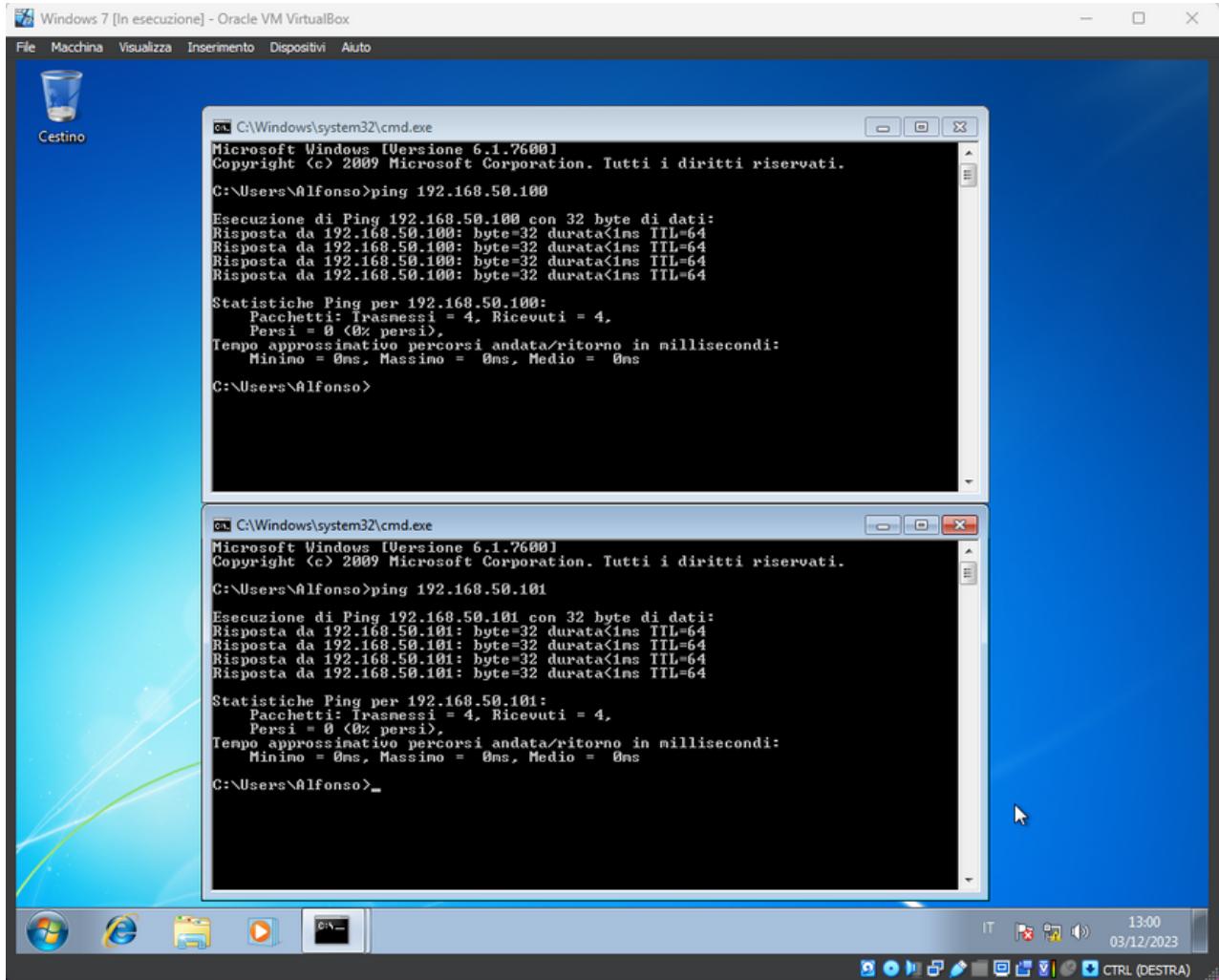


ESECUZIONE COMANDO PING DA METASPLOITABLE A KALI LINUX E WINDOWS:

```
inet6 addr: ::1/128 Scope:Host  
UP LOOPBACK RUNNING MTU:16436 Metric:1  
RX packets:140 errors:0 dropped:0 overruns:0 frame:0  
TX packets:140 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:35649 (34.8 KB) TX bytes:35649 (34.8 KB)  
  
msfadmin@metasploitable:~$ ping 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=64 time=7.63 ms  
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.200 ms  
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=0.215 ms  
64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=0.208 ms  
64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.205 ms  
64 bytes from 192.168.50.100: icmp_seq=6 ttl=64 time=0.216 ms  
64 bytes from 192.168.50.100: icmp_seq=7 ttl=64 time=0.565 ms  
64 bytes from 192.168.50.100: icmp_seq=8 ttl=64 time=1.01 ms  
64 bytes from 192.168.50.100: icmp_seq=9 ttl=64 time=0.209 ms  
64 bytes from 192.168.50.100: icmp_seq=10 ttl=64 time=0.183 ms  
64 bytes from 192.168.50.100: icmp_seq=11 ttl=64 time=0.228 ms  
64 bytes from 192.168.50.100: icmp_seq=12 ttl=64 time=0.201 ms  
64 bytes from 192.168.50.100: icmp_seq=13 ttl=64 time=0.214 ms  
64 bytes from 192.168.50.100: icmp_seq=14 ttl=64 time=0.524 ms  
64 bytes from 192.168.50.100: icmp_seq=15 ttl=64 time=0.203 ms
```

```
inet6 addr: ::1/128 Scope:Host  
UP LOOPBACK RUNNING MTU:16436 Metric:1  
RX packets:140 errors:0 dropped:0 overruns:0 frame:0  
TX packets:140 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:35649 (34.8 KB) TX bytes:35649 (34.8 KB)  
  
64 bytes from 192.168.50.102: icmp_seq=23 ttl=128 time=0.200 ms  
64 bytes from 192.168.50.102: icmp_seq=24 ttl=128 time=0.558 ms  
64 bytes from 192.168.50.102: icmp_seq=25 ttl=128 time=0.529 ms  
64 bytes from 192.168.50.102: icmp_seq=26 ttl=128 time=0.208 ms  
64 bytes from 192.168.50.102: icmp_seq=27 ttl=128 time=0.209 ms  
  
--- 192.168.50.102 ping statistics ---  
27 packets transmitted, 27 received, 0% packet loss, time 25991ms  
rtt min/avg/max/mdev = 0.000/0.287/0.604/0.189 ms  
msfadmin@metasploitable:~$ ping 192.168.50.102  
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.  
64 bytes from 192.168.50.102: icmp_seq=1 ttl=128 time=0.225 ms  
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.009 ms  
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.238 ms  
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.215 ms  
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.234 ms  
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.541 ms  
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=0.495 ms  
64 bytes from 192.168.50.102: icmp_seq=8 ttl=128 time=0.508 ms  
64 bytes from 192.168.50.102: icmp_seq=9 ttl=128 time=0.489 ms  
64 bytes from 192.168.50.102: icmp_seq=10 ttl=128 time=0.199 ms  
64 bytes from 192.168.50.102: icmp_seq=11 ttl=128 time=0.207 ms  
64 bytes from 192.168.50.102: icmp_seq=12 ttl=128 time=0.206 ms  
64 bytes from 192.168.50.102: icmp_seq=13 ttl=128 time=0.205 ms
```

ESECUZIONE COMANDO PING DA WINDOWS A KALI LINUX E METASPLOITABLE:



IL SISTEMA HOST NON COMUNICA CON L'AMBIENTE VIRTUALE IMPOSTATO SU "INTERNAL":

