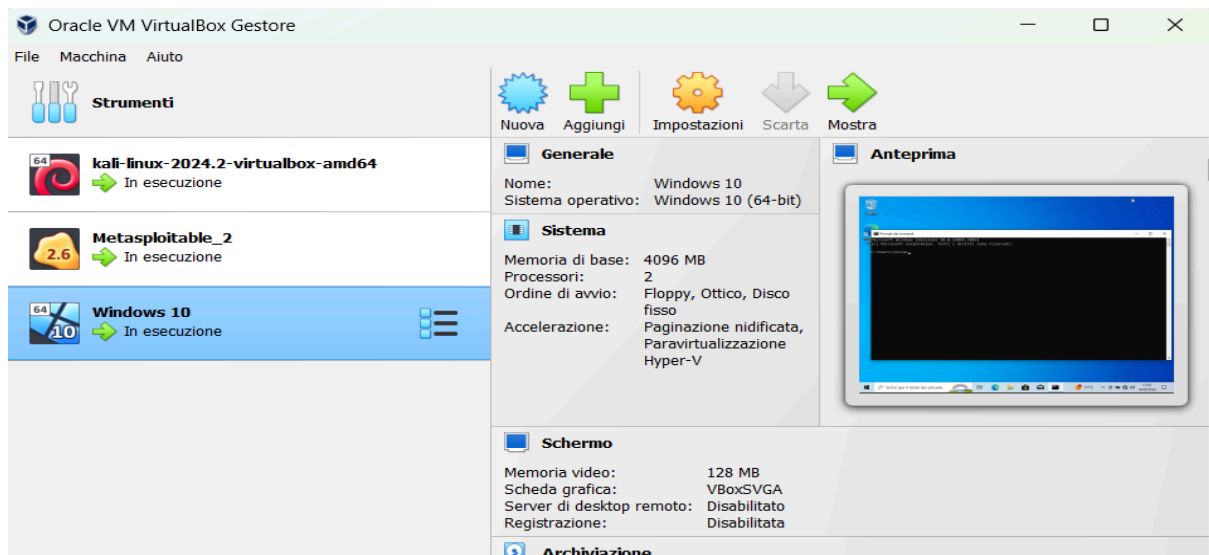
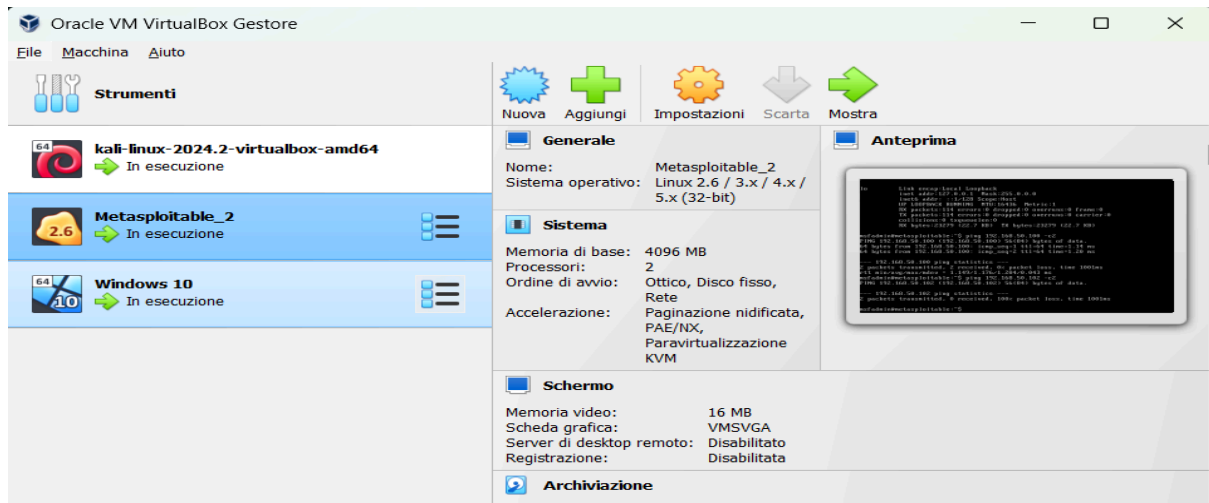
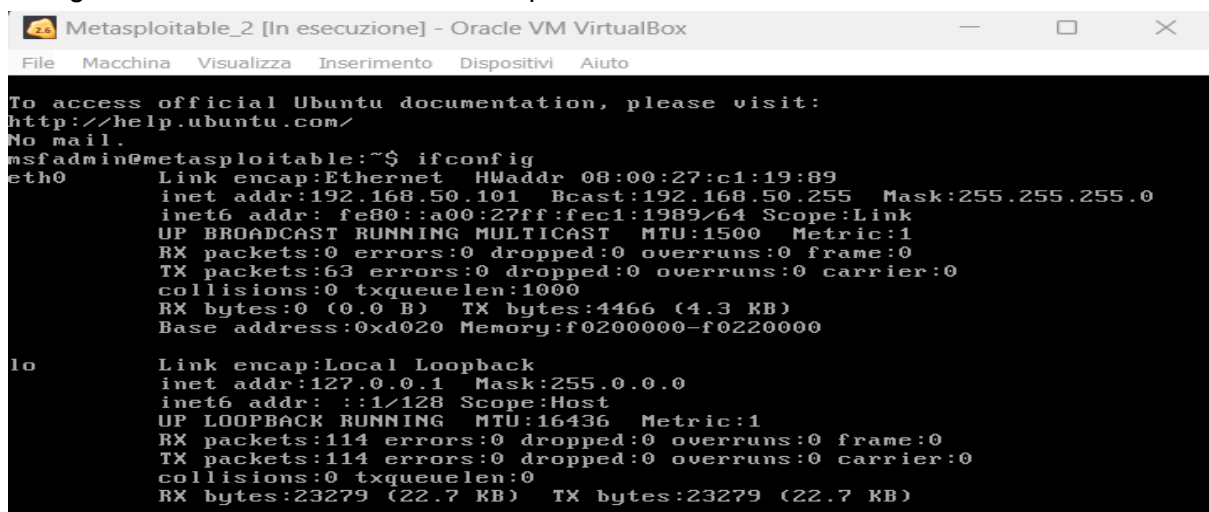


## Esercizio pratico Oracle Virtual box w2 Pandolfi Luciano

Installazione e configurazione VM (Metasploitable e Windows 10 Home):



Assegnazione indirizzo IP e rete interna per tutte le VM:



```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.50.100 netmask 255.255.255.0 broadcast 192.168.50.255  
    inet6 fe80::a00:27ff:fed2:2679 prefixlen 64 scopeid 0x20<link>  
    ether 08:00:27:d2:26:79 txqueuelen 1000 (Ethernet)  
    RX packets 29 bytes 1740 (1.6 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 125 bytes 9014 (8.8 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 113 bytes 12240 (11.9 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 113 bytes 12240 (11.9 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(kali@kali)-[~]  
$
```

```
Prompt dei comandi  
Microsoft Windows [Versione 10.0.19045.3803]  
(c) Microsoft Corporation. Tutti i diritti sono riservati.  
  
C:\Users\lucia>ipconfig  
  
Configurazione IP di Windows  
  
Scheda Ethernet Ethernet:  
  
    Suffisso DNS specifico per connessione:  
    Indirizzo IPv6 locale rispetto al collegamento . : fe80::c9f1:ec30:9d68:4116%10  
    Indirizzo IPv4. . . . . : 192.168.50.102  
    Subnet mask . . . . . : 255.255.255.0  
    Gateway predefinito . . . . . : 192.168.50.1  
  
C:\Users\lucia>ping 192.168.50.101  
  
Esecuzione di Ping 192.168.50.101 con 32 byte di dati:  
Risposta da 192.168.50.101: byte=32 durata=1ms TTL=64  
Risposta da 192.168.50.101: byte=32 durata=1ms TTL=64  
Risposta da 192.168.50.101: byte=32 durata=1ms TTL=64  
Risposta da 192.168.50.101: byte=32 durata=1ms TTL=64  
  
Statistiche Ping per 192.168.50.101:  
    Pacchetti: Trasmessi = 4, Ricevuti = 4,  
    Persi = 0 (0% persi),  
    Tempo approssimativo percorsi andata/ritorno in millisecondi:  
        Minimo = 1ms, Massimo = 1ms, Medio = 1ms  
  
C:\Users\lucia>ping 192.168.50.100  
  
Esecuzione di Ping 192.168.50.100 con 32 byte di dati:  
Risposta da 192.168.50.100: byte=32 durata<1ms TTL=64  
Risposta da 192.168.50.100: byte=32 durata=1ms TTL=64  
Risposta da 192.168.50.100: byte=32 durata=1ms TTL=64  
Risposta da 192.168.50.100: byte=32 durata=1ms TTL=64  
  
Statistiche Ping per 192.168.50.100:  
    Pacchetti: Trasmessi = 4, Ricevuti = 4,  
    Persi = 0 (0% persi),  
    Tempo approssimativo percorsi andata/ritorno in millisecondi:  
        Minimo = 0ms, Massimo = 1ms, Medio = 0ms
```

Infine oltre ai ping indicati sopra eseguiti dal prompt dei comandi di windows ho effettuato la stessa operazione con le altre due VM:

```

msfadmin@metasploitable:~$ ping 192.168.50.100 -c2
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=1.14 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=1.20 ms

--- 192.168.50.100 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 1.149/1.176/1.204/0.043 ms
msfadmin@metasploitable:~$ ping 192.168.50.102 -c2
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.

--- 192.168.50.102 ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 1001ms

```

```

kali@kali: ~
File Actions Edit View Help
(kali@kali)-[~]
$ ping 192.168.50.101 -c2
PING 192.168.50.101 (192.168.50.101) 56(84) bytes of data.
64 bytes from 192.168.50.101: icmp_seq=1 ttl=64 time=2.66 ms
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=1.92 ms

--- 192.168.50.101 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1020ms
rtt min/avg/max/mdev = 1.920/2.289/2.658/0.369 ms

(kali@kali)-[~]
$ ping 192.168.50.102 -c2
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.

--- 192.168.50.102 ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 1014ms

```

Infine ho clonato una macchina a piacere come richiesto:

