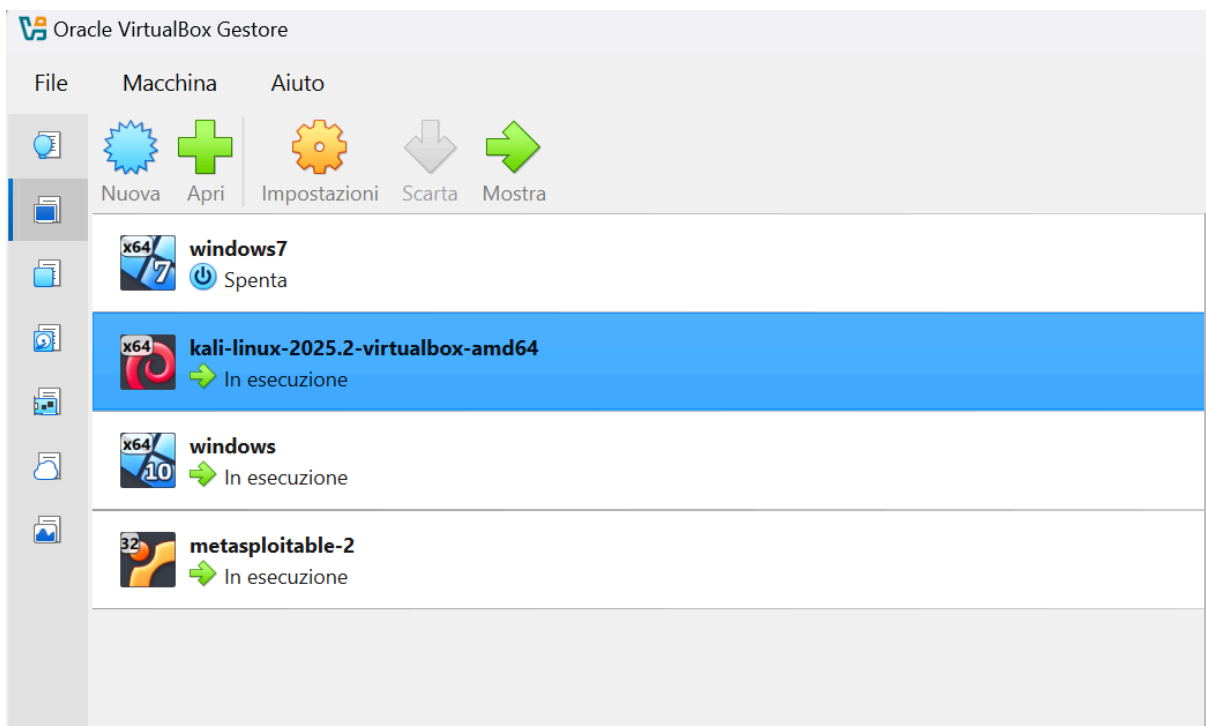


REPORT ESERCIZIO LEZIONE W2D4

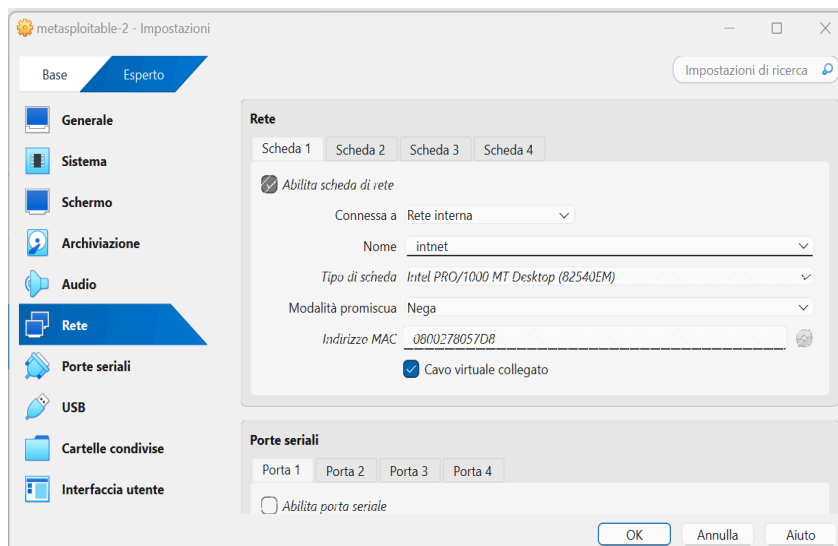
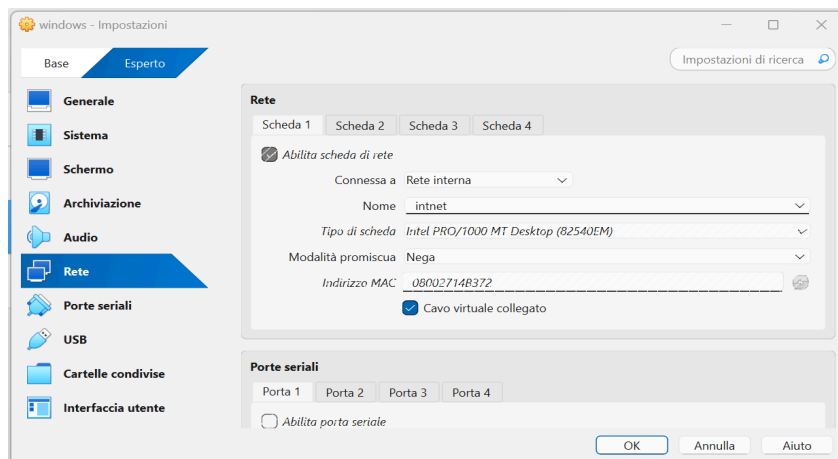
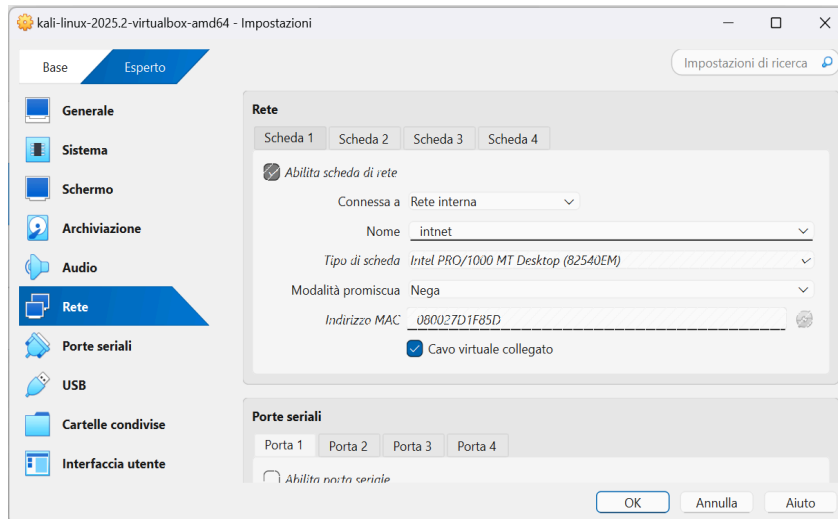
Si richiede allo studente di creare un laboratorio virtuale, con le seguenti caratteristiche:

- Installazione e configurazione di Metasploitable
- Installazione e configurazione di Windows 10
- Il sistema host non deve comunicare con l'ambiente virtuale
- La macchine virtuali devono essere in grado di comunicare tra di loro su rete interna (evidenze ping tra la macchine)

1. Macchine virtuali istallate:



2. Ambiente virtuale impostato a rete interna (Internal)



3.Evidenze ping tra la macchine:

Macchina Virtuale	Indirizzo IP
Kali Linux	192.168.50.100
Metasploitable	192.168.50.101
Windows	192.168.50.102

-Kali linux ping : windows

```
(kali㉿kali)-[~]  
$ 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=3.50 ms  
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.959 ms  
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=1.03 ms  
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=1.88 ms  
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=1.31 ms  
^C  
--- 192.168.50.102 ping statistics ---  
5 packets transmitted, 5 received, 0% packet loss, time 4024ms  
rtt min/avg/max/mdev = 0.959/1.735/3.501/0.940 ms
```

- kali linux ping: metasploitable

```
(kali㉿kali)-[~]  
$ ping 192.168.50.101  
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=50.7 ms  
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=9.07 ms  
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=23.5 ms  
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=0.542 ms  
64 bytes from 192.168.50.101: icmp_seq=5 ttl=64 time=0.614 ms  
^C  
--- 192.168.50.101 ping statistics ---  
5 packets transmitted, 5 received, 0% packet loss, time 4006ms  
rtt min/avg/max/mdev = 0.542/16.885/50.741/18.880 ms
```

-Metasploitable ping: windows

```
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=16.5 ms  
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=1.24 ms  
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=1.90 ms  
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=3.30 ms  
--- 192.168.50.102 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 3064ms  
rtt min/avg/max/mdev = 1.245/5.755/16.559/6.281 ms
```

-Metasploitable ping: kali linux

```
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=40.4 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.745 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=0.879 ms
64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=9.04 ms
64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.761 ms
64 bytes from 192.168.50.100: icmp_seq=6 ttl=64 time=10.3 ms
64 bytes from 192.168.50.100: icmp_seq=7 ttl=64 time=19.9 ms

--- 192.168.50.100 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6262ms
rtt min/avg/max/mdev = 0.745/11.723/40.425/13.407 ms
```

-Windows ping: kali linux

```
C:\Users\domen>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
```

-Windows ping: metasploitable

```
C:\Users\domen>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=4ms TTL=64
Risposta da 192.168.50.101: byte=32 durata<1ms TTL=64

Statistiche Ping per 192.168.50.101:
    Pacchetti: Trasmessi = 3, Ricevuti = 3,
    Persi = 0 (0% persi),
Tempo approssimativo percorsi andata/ritorno in millisecondi:
    Minimo = 0ms, Massimo = 4ms, Medio = 1ms
```