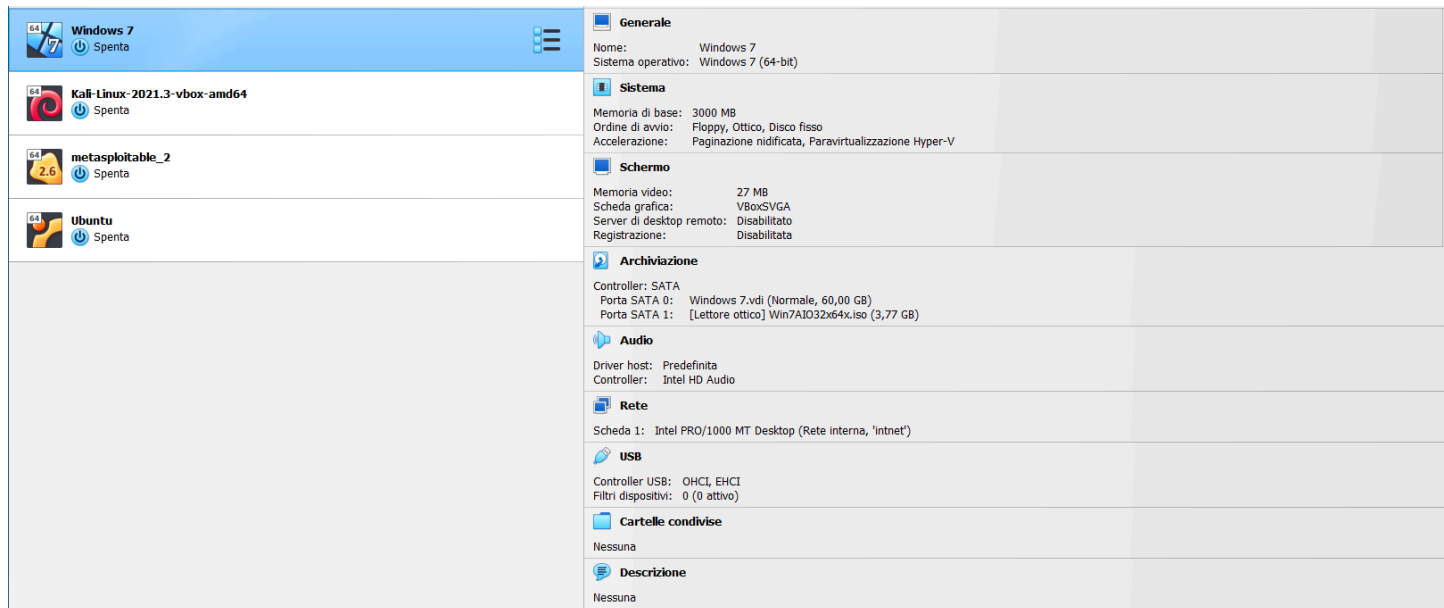


# Installazione Kali Linux, Metasploitable, Windows 7

<div> Windows 7</div> <div></div>	
<div> Kali-Linux-2021.3-vbox-amd64</div> <div></div>	
<div> metasploitable_2</div> <div></div>	<div> Generale</div> <div>Nome: Kali-Linux-2021.3-vbox-amd64 Sistema operativo: Debian (64-bit)</div> <div> Sistema</div> <div>Memoria di base: 2048 MB Processori: 2 Ordine di avvio: Disco fisso, Ottico Accelerazione: Paginazione nidificata, PAE/NX, Paravirtualizzazione KVM</div>
<div> Ubuntu</div> <div></div>	<div> Schermo</div> <div>Memoria video: 128 MB Scheda grafica: VMSVGA Server di desktop remoto: Disabilitato Registrazione: Disabilitata</div> <div> Archiviazione</div> <div>Controller: IDE Dispositivo IDE secondario 0: [Lettore ottico] Vuoto Controller: SATA Porta SATA 0: Kali-Linux-2021.3-vbox-amd64-disk001.vdi (Normale, 80,00 GB)</div>
	<div> Audio</div> <div>Driver host: Windows DirectSound Controller: ICH AC97</div> <div> Rete</div> <div>Scheda 1: Intel PRO/1000 MT Desktop (Rete interna, 'intnet')</div> <div> USB</div> <div>Controller USB: OHCI Filtri dispositivi: 0 (0 attivo)</div> <div> Cartelle condivise</div> <div>Nessuna</div>
<div> Windows 7</div> <div></div>	<div> Generale</div> <div>Nome: metasploitable_2 Sistema operativo: Linux 2.6 / 3.x / 4.x / 5.x (64-bit)</div> <div> Sistema</div> <div>Memoria di base: 512 MB Ordine di avvio: Floppy, Ottico, Disco fisso Accelerazione: Paginazione nidificata, Paravirtualizzazione KVM</div>
<div> Kali-Linux-2021.3-vbox-amd64</div> <div></div>	<div> Schermo</div> <div>Memoria video: 16 MB Scheda grafica: VMSVGA Server di desktop remoto: Disabilitato Registrazione: Disabilitata</div> <div> Archiviazione</div> <div>Controller: IDE Dispositivo IDE secondario 0: [Lettore ottico] Vuoto Controller: SATA Porta SATA 0: Metasploitable.vmdk (Normale, 8,00 GB)</div>
<div> metasploitable_2</div> <div></div>	<div> Audio</div> <div>Driver host: Predefinita Controller: ICH AC97</div> <div> Rete</div> <div>Scheda 1: Intel PRO/1000 MT Desktop (Rete interna, 'intnet')</div> <div> USB</div> <div>Controller USB: OHCI, EHCI Filtri dispositivi: 0 (0 attivo)</div> <div> Cartelle condivise</div> <div>Nessuna</div>
<div> Ubuntu</div> <div></div>	<div> Descrizione</div> <div>Nessuna</div>



## Evidenze ping tra macchine

Ping da Kali Linux 192.168.50.100 a Metasploitable 192.168.50.101

```
(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=0.648 ms  
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=0.579 ms  
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=0.876 ms  
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=0.669 ms  
64 bytes from 192.168.50.101: icmp_seq=5 ttl=64 time=1.08 ms  
64 bytes from 192.168.50.101: icmp_seq=6 ttl=64 time=0.894 ms  
64 bytes from 192.168.50.101: icmp_seq=7 ttl=64 time=0.910 ms  
64 bytes from 192.168.50.101: icmp_seq=8 ttl=64 time=0.874 ms  
64 bytes from 192.168.50.101: icmp_seq=9 ttl=64 time=0.924 ms  
64 bytes from 192.168.50.101: icmp_seq=10 ttl=64 time=1.02 ms  
64 bytes from 192.168.50.101: icmp_seq=11 ttl=64 time=0.719 ms  
64 bytes from 192.168.50.101: icmp_seq=12 ttl=64 time=0.957 ms  
64 bytes from 192.168.50.101: icmp_seq=13 ttl=64 time=0.876 ms  
64 bytes from 192.168.50.101: icmp_seq=14 ttl=64 time=0.795 ms
```

Ping da Kali Linux 192.168.50.100 a Windows 7 192.168.50.102

```
(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=30 ttl=128 time=0.441 ms  
64 bytes from 192.168.50.102: icmp_seq=31 ttl=128 time=0.580 ms  
64 bytes from 192.168.50.102: icmp_seq=32 ttl=128 time=0.774 ms  
64 bytes from 192.168.50.102: icmp_seq=33 ttl=128 time=0.961 ms  
64 bytes from 192.168.50.102: icmp_seq=34 ttl=128 time=1.11 ms  
64 bytes from 192.168.50.102: icmp_seq=35 ttl=128 time=1.00 ms  
64 bytes from 192.168.50.102: icmp_seq=36 ttl=128 time=0.799 ms  
64 bytes from 192.168.50.102: icmp_seq=37 ttl=128 time=1.02 ms  
64 bytes from 192.168.50.102: icmp_seq=38 ttl=128 time=0.872 ms  
64 bytes from 192.168.50.102: icmp_seq=39 ttl=128 time=1.07 ms  
64 bytes from 192.168.50.102: icmp_seq=40 ttl=128 time=1.08 ms  
64 bytes from 192.168.50.102: icmp_seq=41 ttl=128 time=1.24 ms  
64 bytes from 192.168.50.102: icmp_seq=42 ttl=128 time=0.651 ms  
64 bytes from 192.168.50.102: icmp_seq=43 ttl=128 time=1.01 ms  
64 bytes from 192.168.50.102: icmp_seq=44 ttl=128 time=0.770 ms  
64 bytes from 192.168.50.102: icmp_seq=45 ttl=128 time=1.28 ms  
64 bytes from 192.168.50.102: icmp_seq=46 ttl=128 time=1.07 ms  
64 bytes from 192.168.50.102: icmp_seq=47 ttl=128 time=0.835 ms
```

Ping da Metasploitable 192.168.50.101 a Kali Linux 192.168.50.100

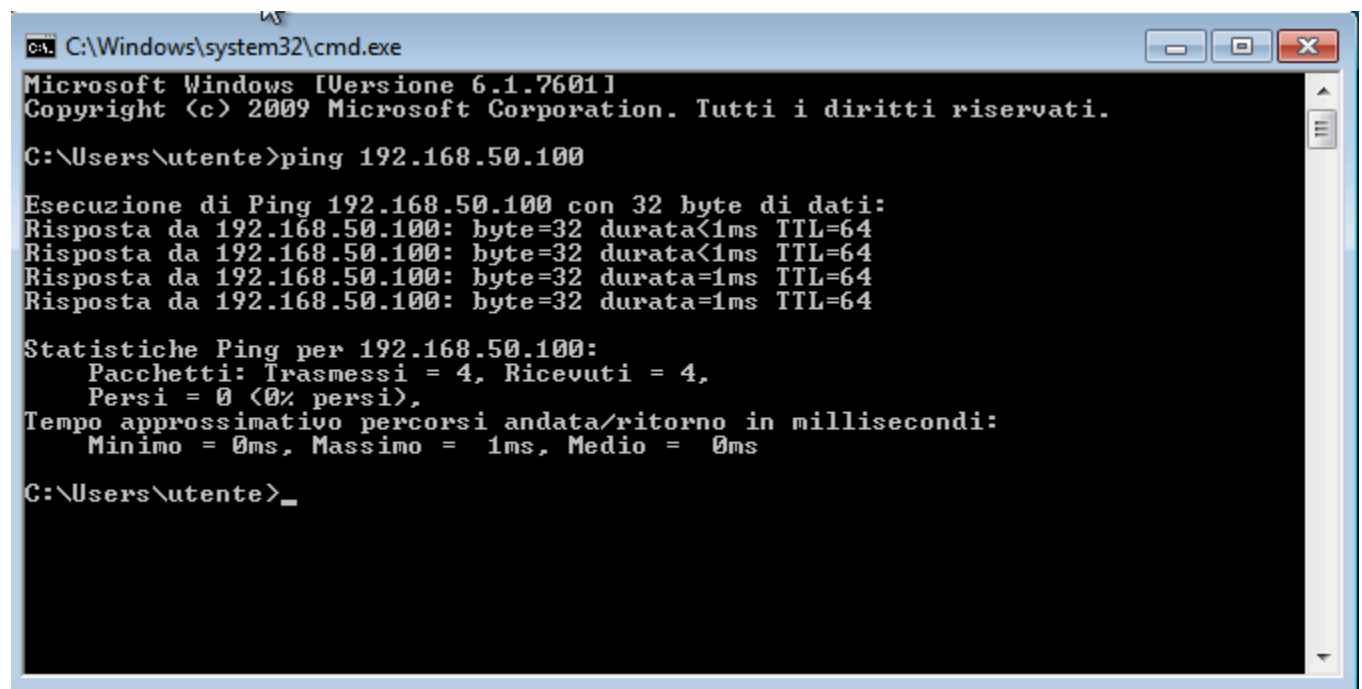
```
msfadmin@metasploitable:~$ ping 192.168.50.100  
PING 192.168.50.100 (192.168.50.100) 56(84) bytes of data.  
64 bytes from 192.168.50.100: icmp_seq=1 ttl=64 time=0.488 ms  
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.852 ms  
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=1.14 ms  
64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=0.914 ms  
64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.965 ms  
64 bytes from 192.168.50.100: icmp_seq=6 ttl=64 time=1.06 ms  
64 bytes from 192.168.50.100: icmp_seq=7 ttl=64 time=1.01 ms  
64 bytes from 192.168.50.100: icmp_seq=8 ttl=64 time=0.981 ms  
64 bytes from 192.168.50.100: icmp_seq=9 ttl=64 time=0.902 ms  
64 bytes from 192.168.50.100: icmp_seq=10 ttl=64 time=1.05 ms  
64 bytes from 192.168.50.100: icmp_seq=11 ttl=64 time=0.977 ms  
64 bytes from 192.168.50.100: icmp_seq=12 ttl=64 time=0.963 ms  
64 bytes from 192.168.50.100: icmp_seq=13 ttl=64 time=1.06 ms  
64 bytes from 192.168.50.100: icmp_seq=14 ttl=64 time=0.964 ms  
64 bytes from 192.168.50.100: icmp_seq=15 ttl=64 time=1.05 ms  
64 bytes from 192.168.50.100: icmp_seq=16 ttl=64 time=0.972 ms  
64 bytes from 192.168.50.100: icmp_seq=17 ttl=64 time=0.913 ms  
64 bytes from 192.168.50.100: icmp_seq=18 ttl=64 time=1.21 ms  
64 bytes from 192.168.50.100: icmp_seq=19 ttl=64 time=1.06 ms  
64 bytes from 192.168.50.100: icmp_seq=20 ttl=64 time=1.06 ms  
  
[1]+  Stopped                  ping 192.168.50.100  
msfadmin@metasploitable:~$ _
```

Ping da Metasploitable 192.168.50.101 a Windows 7 192.168.50.102

```
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=2.29 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.894 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.960 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=1.03 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=1.01 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.901 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=0.957 ms
64 bytes from 192.168.50.102: icmp_seq=8 ttl=128 time=0.907 ms
64 bytes from 192.168.50.102: icmp_seq=9 ttl=128 time=1.17 ms
64 bytes from 192.168.50.102: icmp_seq=10 ttl=128 time=1.23 ms
64 bytes from 192.168.50.102: icmp_seq=11 ttl=128 time=1.02 ms
64 bytes from 192.168.50.102: icmp_seq=12 ttl=128 time=1.19 ms
64 bytes from 192.168.50.102: icmp_seq=13 ttl=128 time=0.908 ms
64 bytes from 192.168.50.102: icmp_seq=14 ttl=128 time=0.885 ms
64 bytes from 192.168.50.102: icmp_seq=15 ttl=128 time=0.948 ms
64 bytes from 192.168.50.102: icmp_seq=16 ttl=128 time=0.909 ms

121+ Stopped                ping 192.168.50.102
msfadmin@metasploitable:~$
```

Ping da Windows 7 192.168.50.102 a Kali Linux 192.168.50.100



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Versione 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Tutti i diritti riservati.

C:\Users\utente>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

C:\Users\utente>_
```

Ping da Windows 7 192.168.50.102 a Metasploitable 192.168.50.101

```
C:\Windows\system32\cmd.exe

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






C:\Users\utente>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 = 0ms, Massimo = 0ms, Medio = 0ms

C:\Users\utente>
```

## Esercizio facoltativo - Clone macchina - Clone di Windows 7

 <b>Windows 7</b> Spenta	<b>Generale</b> Nome: Windows 7_clone Sistema operativo: Windows 7 (64-bit)
 <b>Kali Linux-2021.3-vbox-amd64</b> Spenta	<b>Sistema</b> Memoria di base: 3000 MB Ordine di avvio: Floppy, Ottico, Disco fisso Accelerazione: Paginazione nidificata, Paravirtualizzazione Hyper-V
 <b>metasploitable_2</b> Spenta	<b>Schermo</b> Memoria video: 27 MB Scheda grafica: VBoxSVGA Server di desktop remoto: Disabilitato Registrazione: Disabilitata
 <b>Ubuntu</b> Spenta	<b>Archiviazione</b> Controller: SATA Porta SATA 0: Clone di Windows 7.vdi (Normale, 60,00 GB) Porta SATA 1: [Lettore ottico] Win7AI032x64x.iso (3,77 GB)
 <b>Windows 7_clone</b> Spenta	<b>Audio</b> Driver host: Predefinita Controller: Intel HD Audio
	<b>Rete</b> Scheda 1: Intel PRO/1000 MT Desktop (Rete interna, 'intnet')
	<b>USB</b> Controller USB: OHCI, EHCI Filtri dispositivi: 0 (0 attivo)
	<b>Cartelle condivise</b> Nessuna
	<b>Descrizione</b> Nessuna

## Funzionamento clone - Ping a Kali Linux 192.168.50.100

