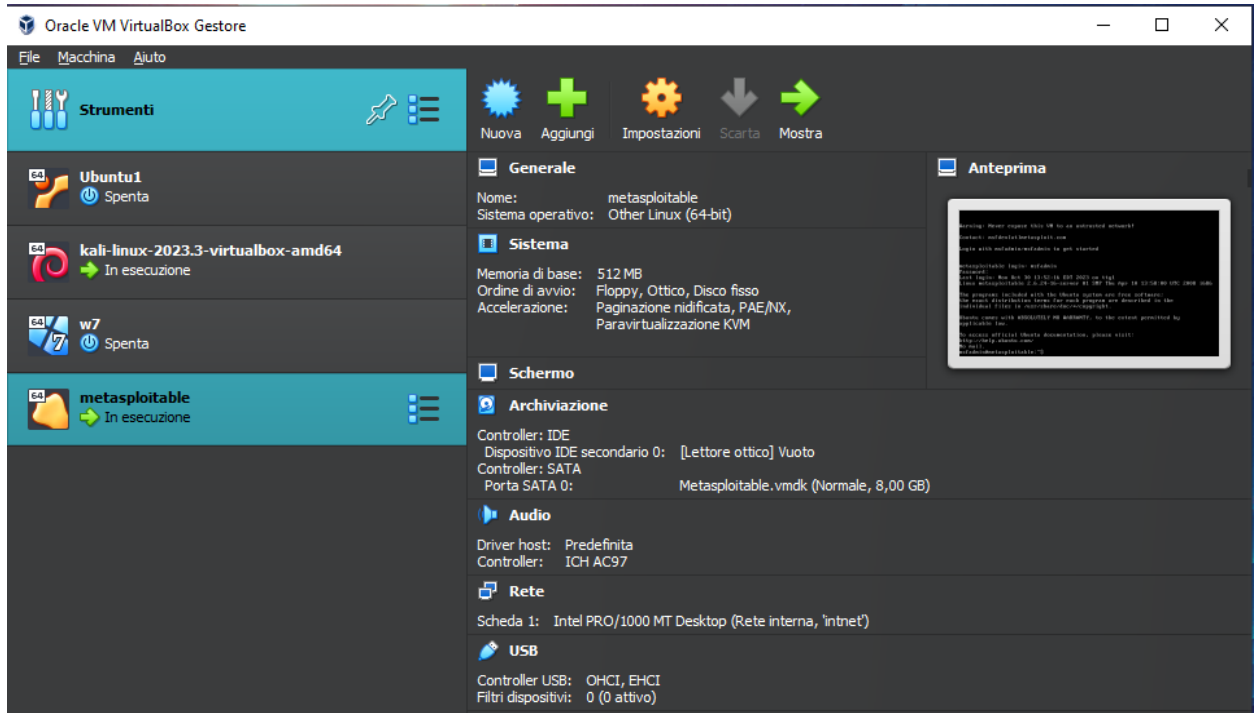
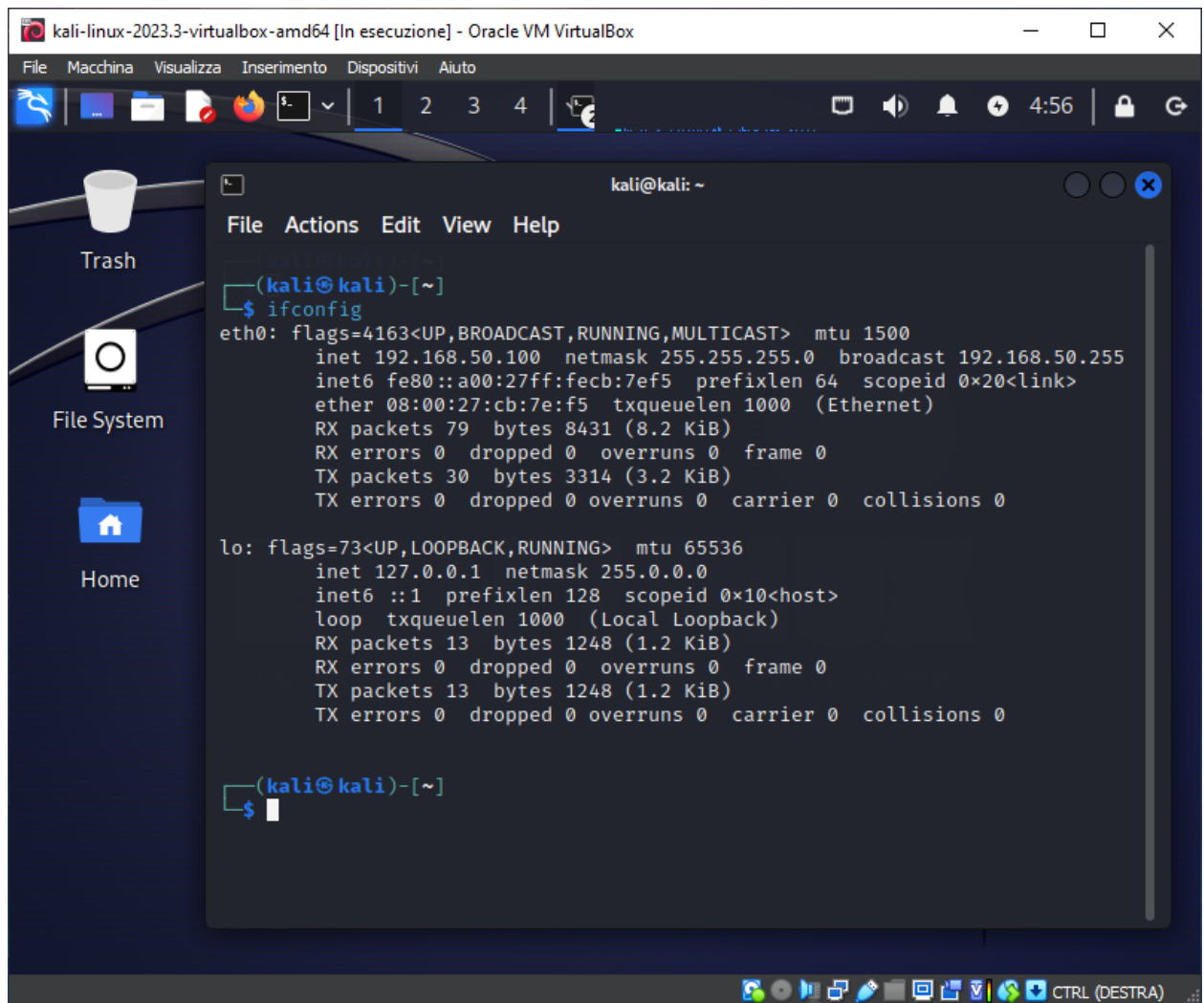


# EPICODE - ESERCIZIO 2

## INSTALLAZIONE DI VIRTUALBOX con OS di Kali Linux, Windows 7 e Metasploitable



## CONFIGURAZIONE KALI LINUX



kali-linux-2023.3-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox

File Macchina Visualizza Inserimento Dispositivi Aiuto

1 2 3 4

4:56

Trash

File System

Home

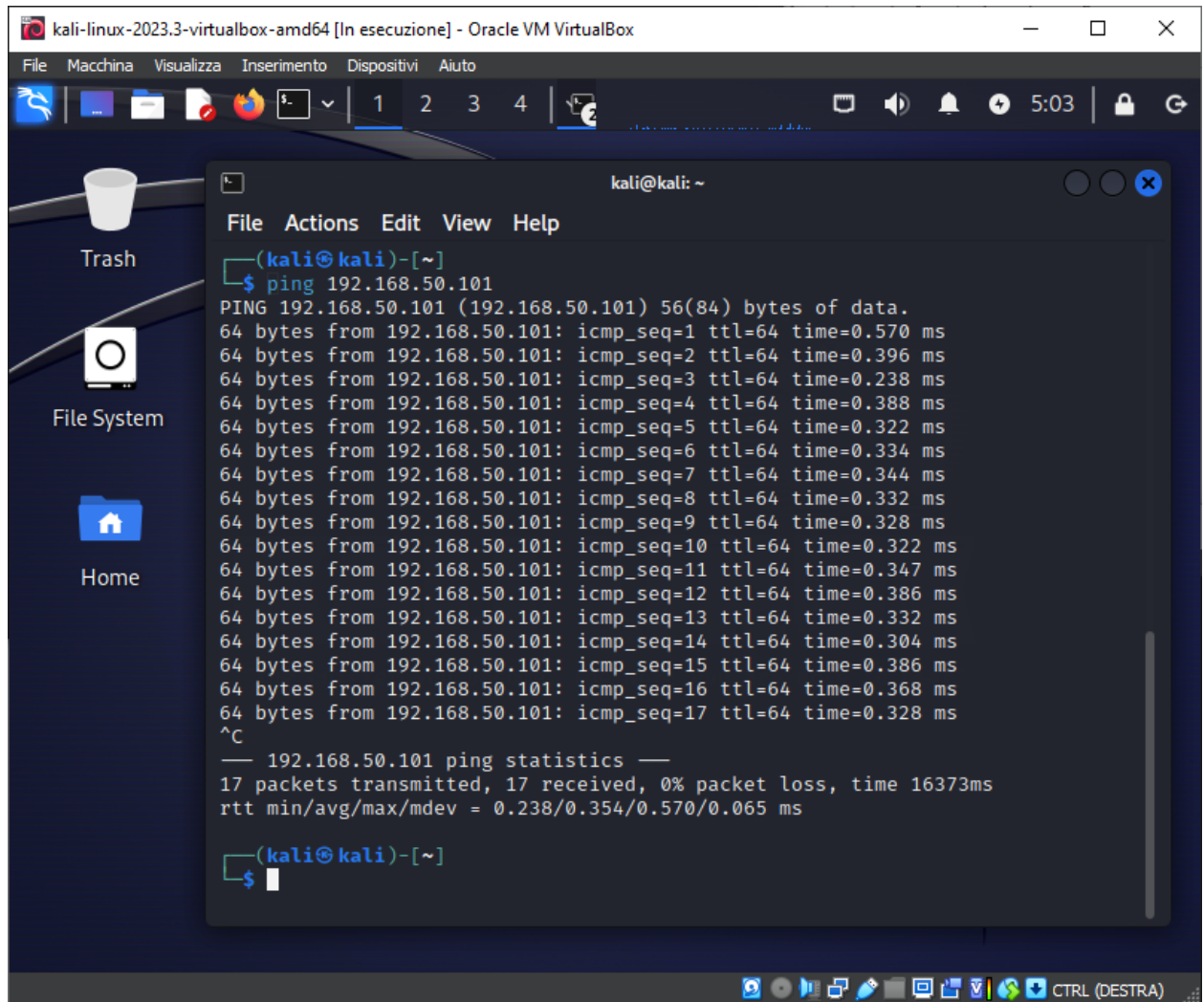
kali@kali: ~

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:feeb:7ef5 prefixlen 64 scopeid 0x20<link>  
    ether 08:00:27:cb:7e:f5 txqueuelen 1000 (Ethernet)  
    RX packets 79 bytes 8431 (8.2 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 30 bytes 3314 (3.2 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 13 bytes 1248 (1.2 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 13 bytes 1248 (1.2 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(kali@kali)-[~]  
$
```

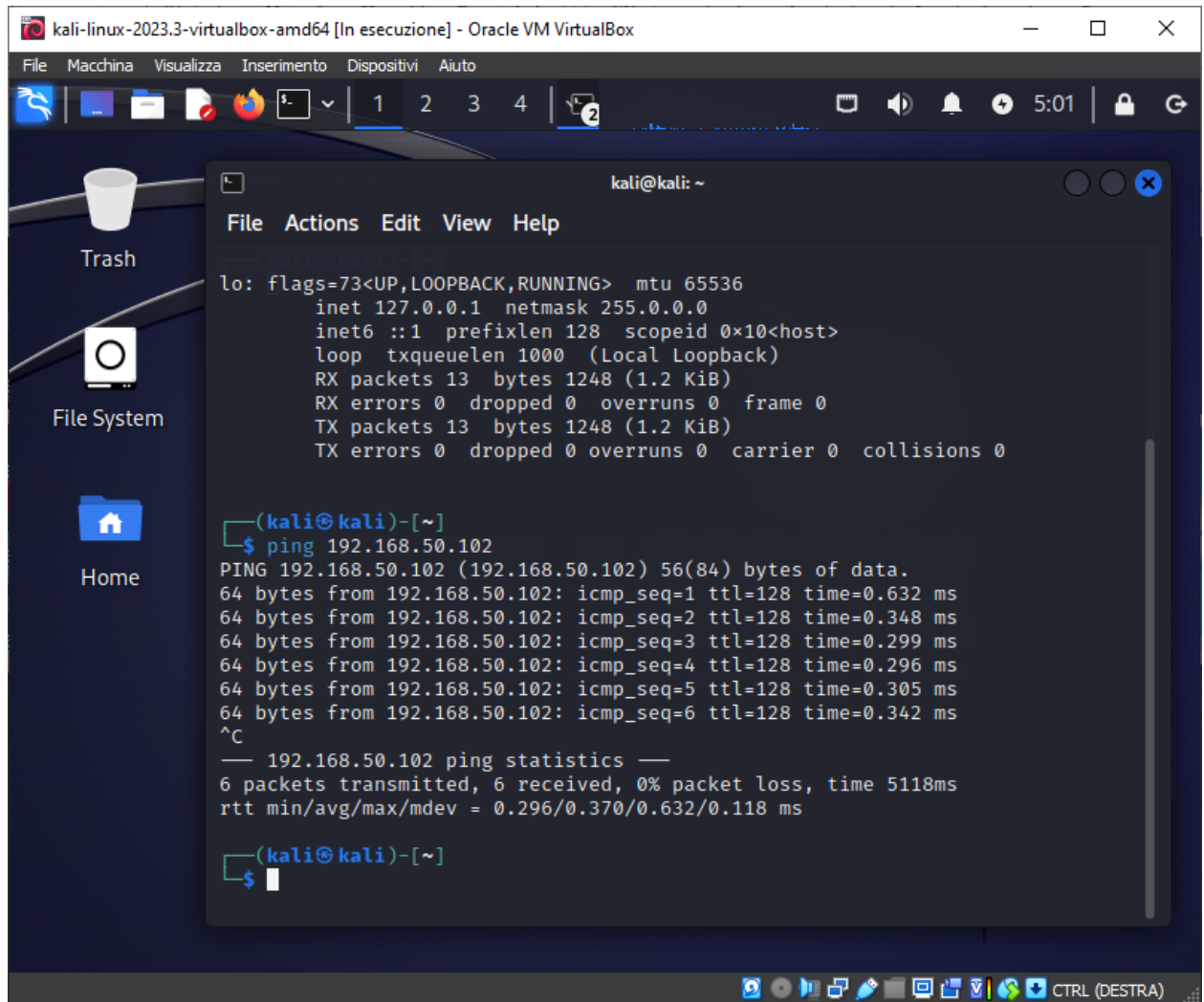
CTRL (DESTRA)

## KALI COMUNICA CON METASPLOITABLE



```
kali@kali: ~  
File Actions Edit View Help  
(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=0.570 ms  
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=0.396 ms  
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=0.238 ms  
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=0.388 ms  
64 bytes from 192.168.50.101: icmp_seq=5 ttl=64 time=0.322 ms  
64 bytes from 192.168.50.101: icmp_seq=6 ttl=64 time=0.334 ms  
64 bytes from 192.168.50.101: icmp_seq=7 ttl=64 time=0.344 ms  
64 bytes from 192.168.50.101: icmp_seq=8 ttl=64 time=0.332 ms  
64 bytes from 192.168.50.101: icmp_seq=9 ttl=64 time=0.328 ms  
64 bytes from 192.168.50.101: icmp_seq=10 ttl=64 time=0.322 ms  
64 bytes from 192.168.50.101: icmp_seq=11 ttl=64 time=0.347 ms  
64 bytes from 192.168.50.101: icmp_seq=12 ttl=64 time=0.386 ms  
64 bytes from 192.168.50.101: icmp_seq=13 ttl=64 time=0.332 ms  
64 bytes from 192.168.50.101: icmp_seq=14 ttl=64 time=0.304 ms  
64 bytes from 192.168.50.101: icmp_seq=15 ttl=64 time=0.386 ms  
64 bytes from 192.168.50.101: icmp_seq=16 ttl=64 time=0.368 ms  
64 bytes from 192.168.50.101: icmp_seq=17 ttl=64 time=0.328 ms  
^C  
— 192.168.50.101 ping statistics —  
17 packets transmitted, 17 received, 0% packet loss, time 16373ms  
rtt min/avg/max/mdev = 0.238/0.354/0.570/0.065 ms  
(kali@kali)-[~]  
$
```

## KALI COMUNICA CON WIN7

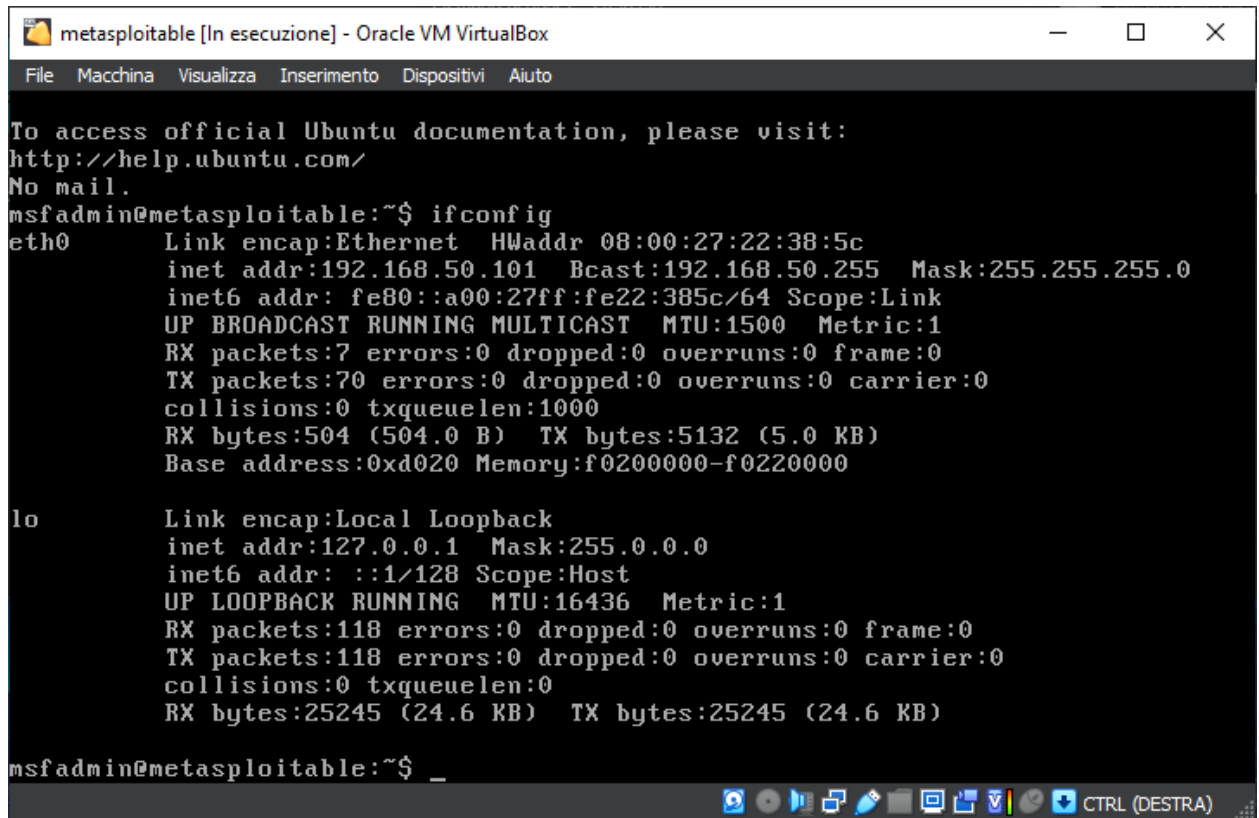


```
kali-linux-2023.3-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto
1 2 3 4 5
kali@kali: ~
File Actions Edit View Help
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
  inet 127.0.0.1 netmask 255.0.0.0
  inet6 ::1 prefixlen 128 scopeid 0<host>
  loop txqueuelen 1000 (Local Loopback)
  RX packets 13 bytes 1248 (1.2 KiB)
  RX errors 0 dropped 0 overruns 0 frame 0
  TX packets 13 bytes 1248 (1.2 KiB)
  TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

(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=0.632 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.348 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.299 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.296 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.305 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.342 ms
^C
  — 192.168.50.102 ping statistics —
  6 packets transmitted, 6 received, 0% packet loss, time 5118ms
  rtt min/avg/max/mdev = 0.296/0.370/0.632/0.118 ms

(kali@kali)-[~]
$
```

## CONFIGURAZIONE METASPLOITABLE



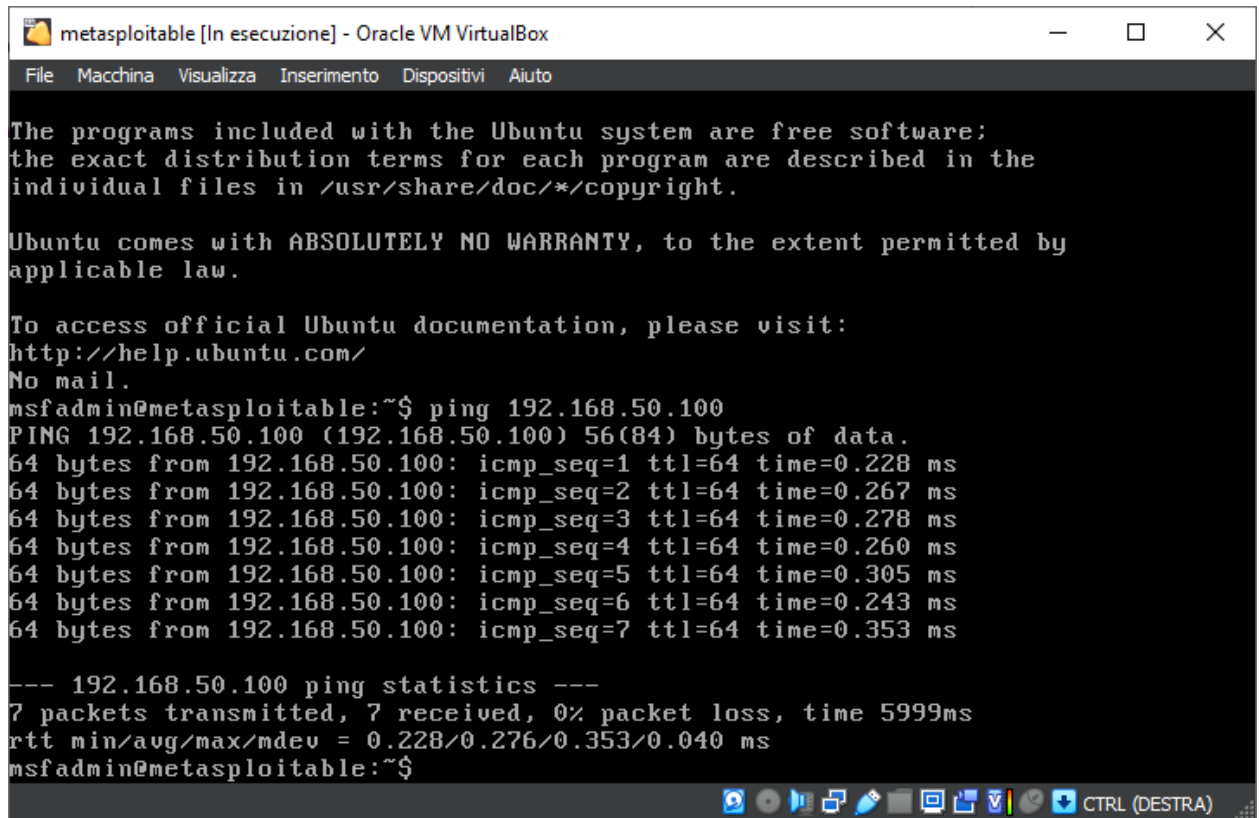
```
metasploitable [In esecuzione] - Oracle VM VirtualBox
File  Macchina  Visualizza  Inserimento  Dispositivi  Aiuto

To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
No mail.
msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:22:38:5c
          inet addr:192.168.50.101  Bcast:192.168.50.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe22:385c/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:7 errors:0 dropped:0 overruns:0 frame:0
          TX packets:70 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:504 (504.0 B)  TX bytes:5132 (5.0 KB)
          Base address:0xd020 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:118 errors:0 dropped:0 overruns:0 frame:0
          TX packets:118 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:25245 (24.6 KB)  TX bytes:25245 (24.6 KB)

msfadmin@metasploitable:~$ _
```

## METASPLOITABLE COMUNICA CON KALI



```
metasploitable [In esecuzione] - Oracle VM VirtualBox
File  Macchina  Visualizza  Inserimento  Dispositivi  Aiuto

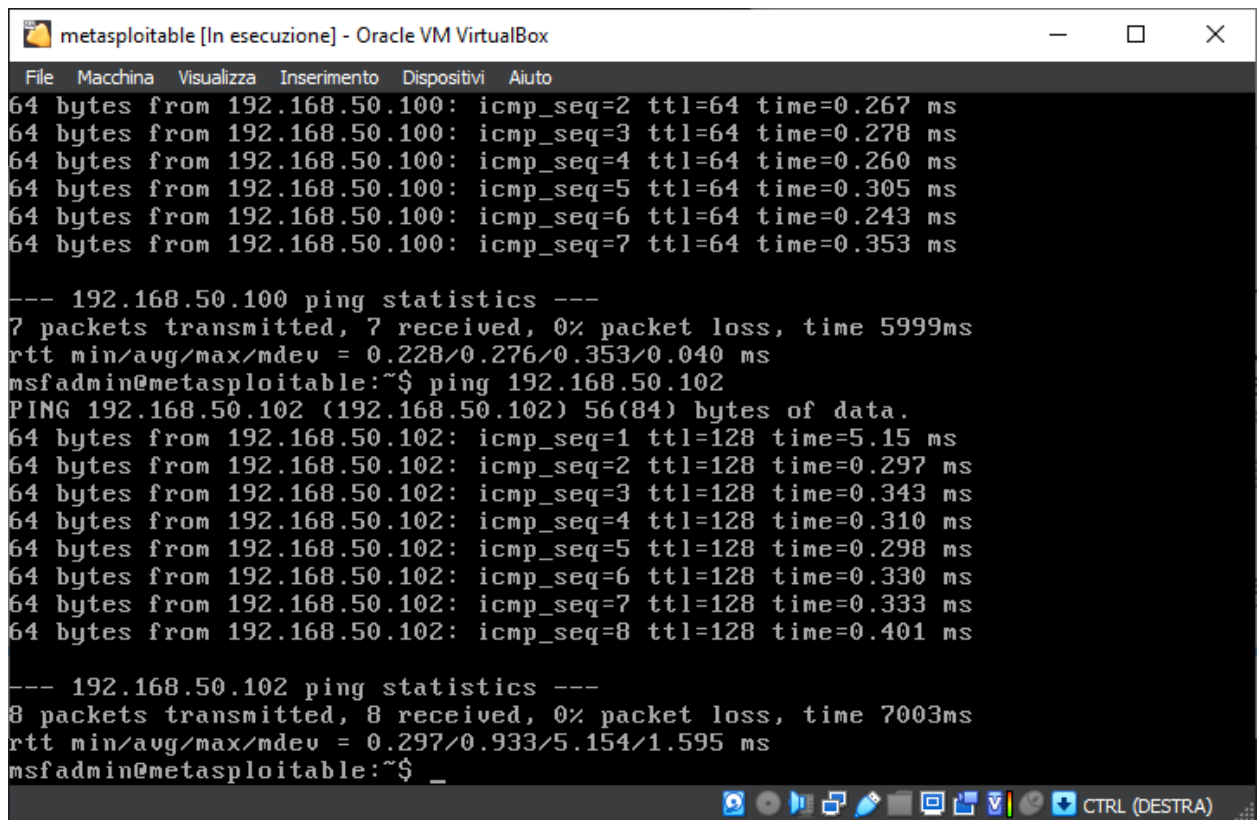
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
No mail.
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=0.228 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.267 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=0.278 ms
64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=0.260 ms
64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.305 ms
64 bytes from 192.168.50.100: icmp_seq=6 ttl=64 time=0.243 ms
64 bytes from 192.168.50.100: icmp_seq=7 ttl=64 time=0.353 ms

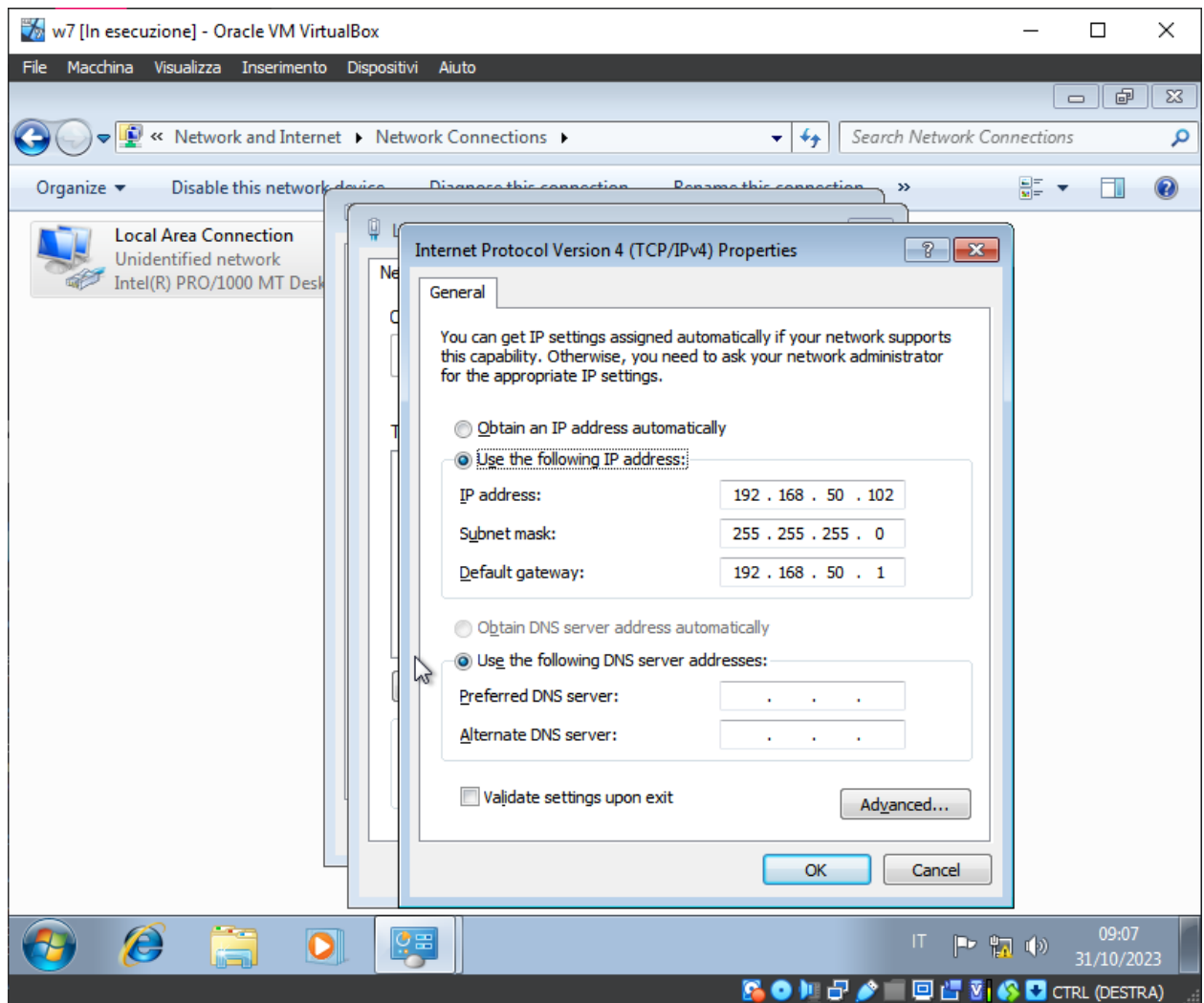
--- 192.168.50.100 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 5999ms
rtt min/avg/max/mdev = 0.228/0.276/0.353/0.040 ms
msfadmin@metasploitable:~$
```

## METASPLOITABLE COMUNICA CON WIN7



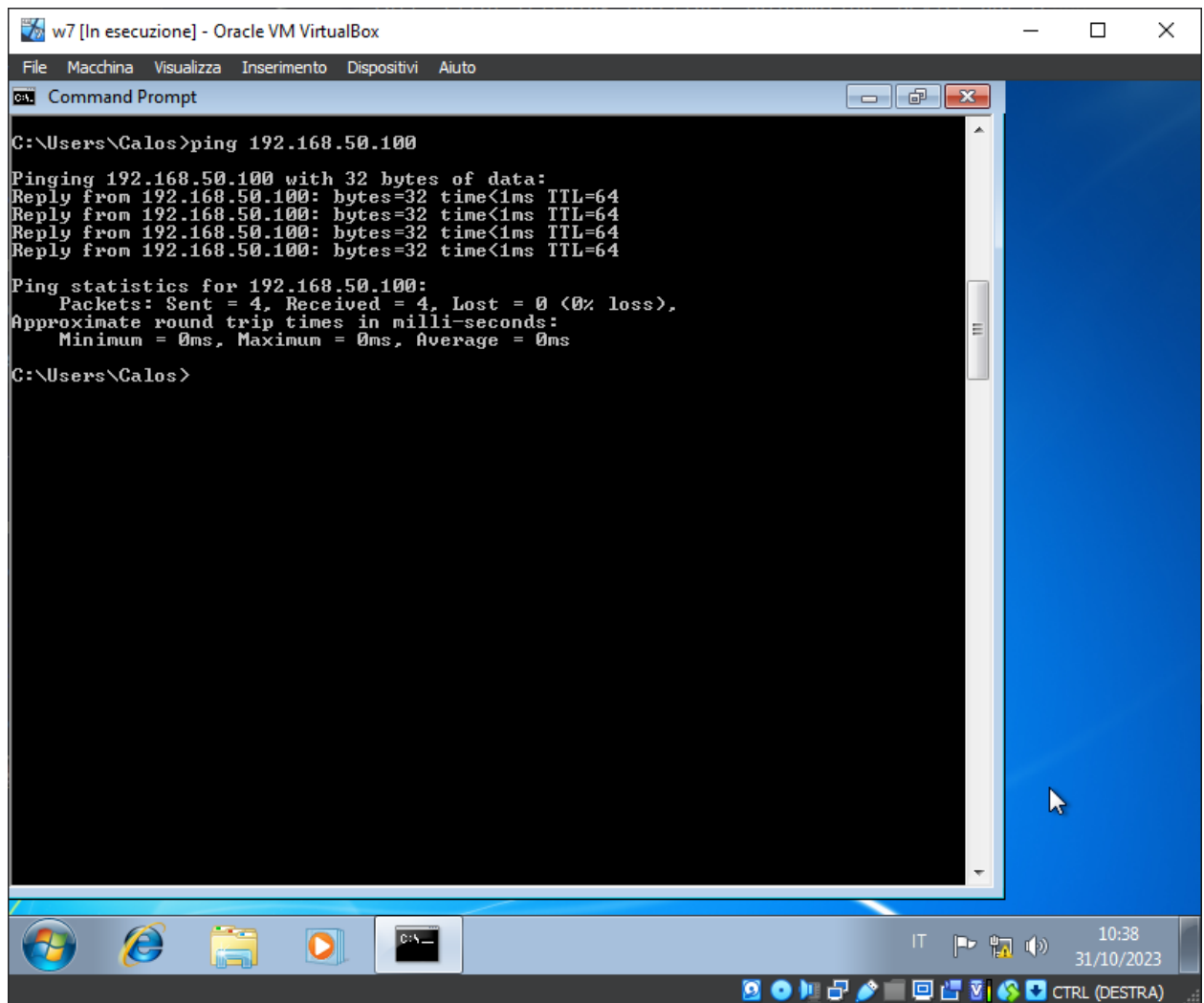
```
metasploitable [In esecuzione] - Oracle VM VirtualBox
File  Macchina  Visualizza  Inserimento  Dispositivi  Aiuto
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.267 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=0.278 ms
64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=0.260 ms
64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.305 ms
64 bytes from 192.168.50.100: icmp_seq=6 ttl=64 time=0.243 ms
64 bytes from 192.168.50.100: icmp_seq=7 ttl=64 time=0.353 ms
--- 192.168.50.100 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 5999ms
rtt min/avg/max/mdev = 0.228/0.276/0.353/0.040 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=5.15 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.297 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.343 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.310 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.298 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.330 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=0.333 ms
64 bytes from 192.168.50.102: icmp_seq=8 ttl=128 time=0.401 ms
--- 192.168.50.102 ping statistics ---
8 packets transmitted, 8 received, 0% packet loss, time 7003ms
rtt min/avg/max/mdev = 0.297/0.933/5.154/1.595 ms
msfadmin@metasploitable:~$ _
```

## CONFIGURAZIONE WINDOWS 7

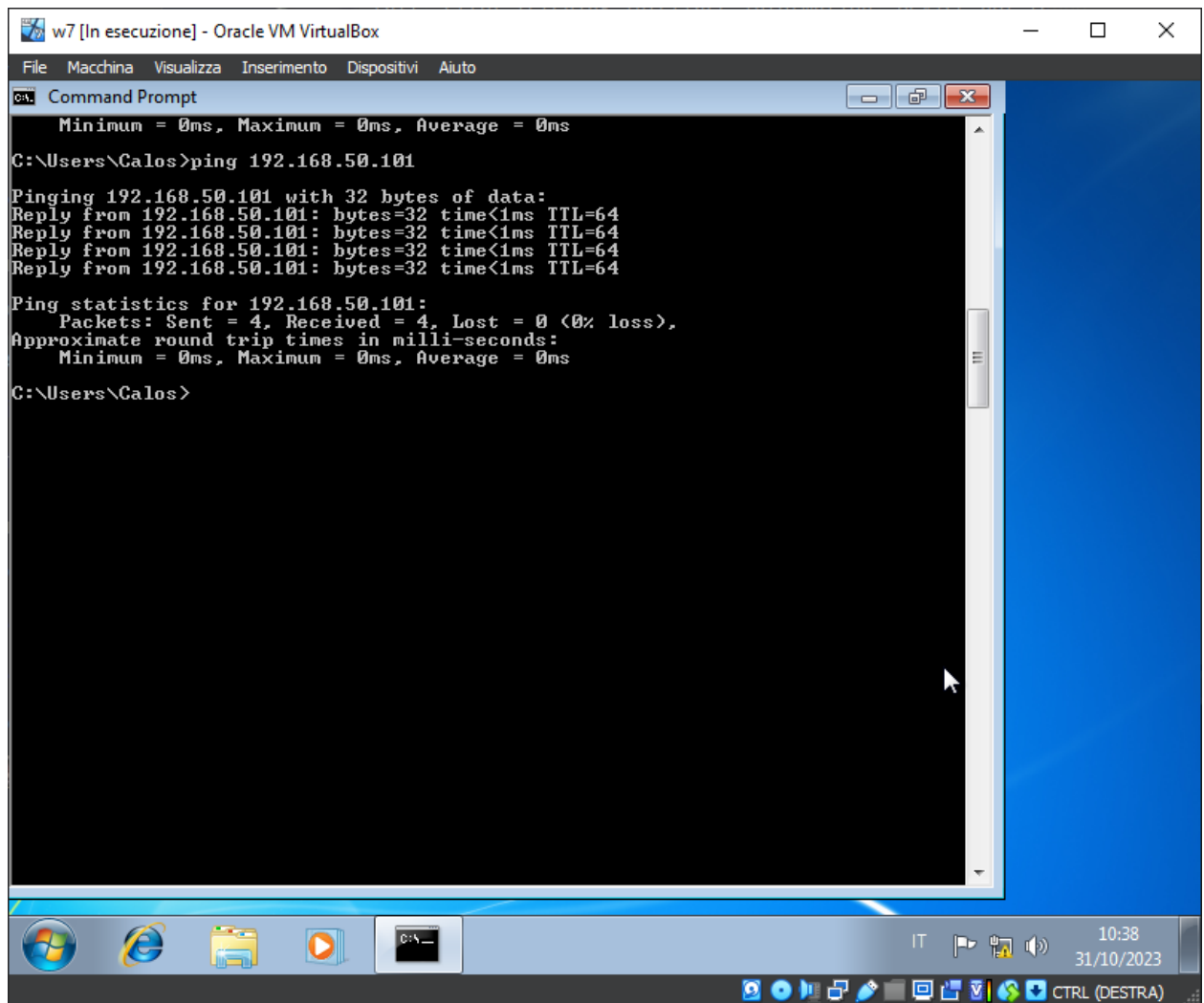




## WIN7 COMUNICA CON KALI



## WIN7 COMUNICA CON METASPLOITABLE



## L'HOST NON HA CONNESSIONE CON I SISTEMI VIRTUALIZZATI

