

VIRTUAL BOX su HOST UBUNTU -  
virtualizzazione su rete interna di:

#**KALI LINUX** (OS attaccante)

#**METASPLOITABLE** (OS looser)

#**WINDOWS 7** (OS looser):

IP STATICO IMPOSTATO PER CIASCUN SITEMA OPERATIVO  
VIRTUALIZZATO:

#KALI LINUX: 192.168.50.100

#METASPLOITABLE: 192.168.50.101

#WINDOWS 7: 192.168.50.102

TEST COMUNICAZIONE INTERNA TRA MACCHINE VIRTUALI  
(PING):

DA #KALI LINUX A #WINDOWS 7

```
Kali-frag [In esecuzione] - Oracle VM VirtualBox

(django@kali)~$ sudo ping 192.168.50.102
[sudo] password for django:
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=0.579 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=1.48 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=1.55 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=1.48 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=1.46 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=1.56 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=1.56 ms
64 bytes from 192.168.50.102: icmp_seq=8 ttl=128 time=1.79 ms
64 bytes from 192.168.50.102: icmp_seq=9 ttl=128 time=1.70 ms
^C
--- 192.168.50.102 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8035ms
rtt min/avg/max/mdev = 0.579/1.461/1.785/0.328 ms

(django@kali)~$ sudo 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:fe80:dd14 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:fa:dd:14 txqueuelen 1000 (Ethernet)
    RX packets 15 bytes 1966 (1.9 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 28 bytes 3496 (3.4 KiB)
```

DA #KALI LINUX A #METASPLOITABLE

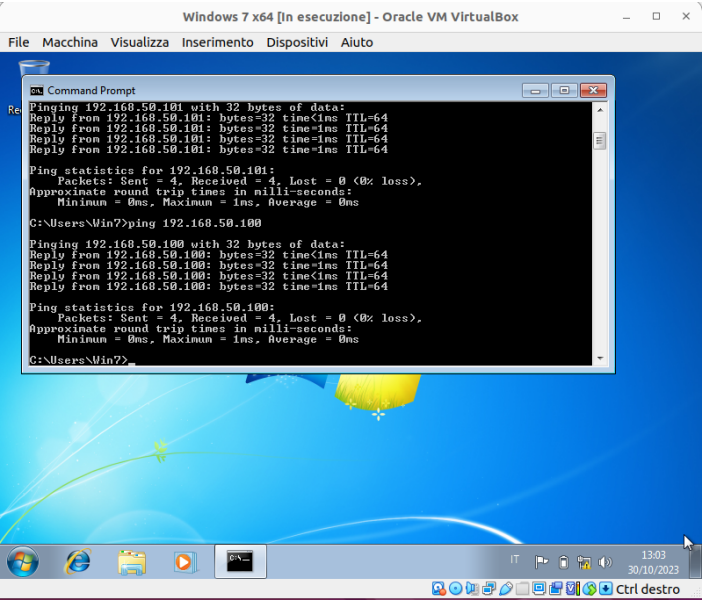
```
Kali-frag [In esecuzione] - Oracle VM VirtualBox

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 4 bytes 240 (240.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 4 bytes 240 (240.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

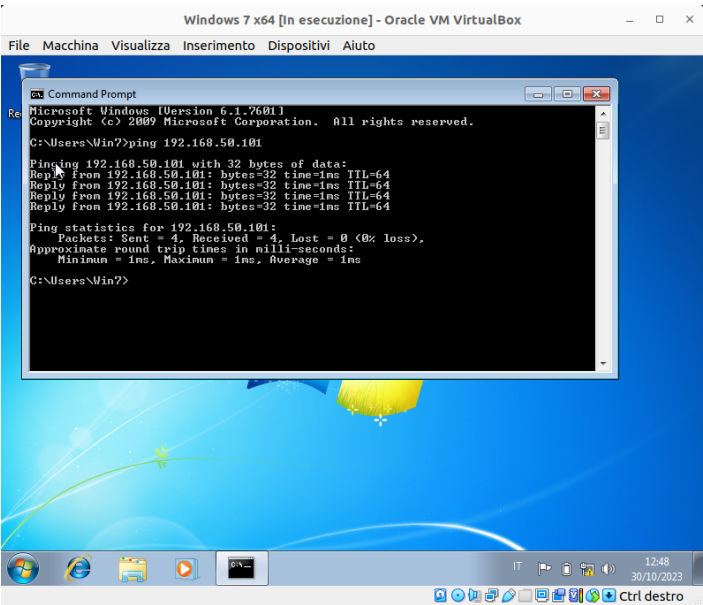
(django@kali)~$ sudo ping 192.168.50.101
PING 192.168.50.101 (192.168.50.101) 56(84) bytes of data:
64 bytes from 192.168.50.101: icmp_seq=1 ttl=64 time=0.630 ms
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=1.44 ms
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=1.53 ms
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=1.63 ms
64 bytes from 192.168.50.101: icmp_seq=5 ttl=64 time=1.51 ms
64 bytes from 192.168.50.101: icmp_seq=6 ttl=64 time=1.54 ms
64 bytes from 192.168.50.101: icmp_seq=7 ttl=64 time=1.34 ms
^C
--- 192.168.50.101 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6031ms
rtt min/avg/max/mdev = 0.630/1.376/1.632/0.315 ms

(django@kali)~$
```

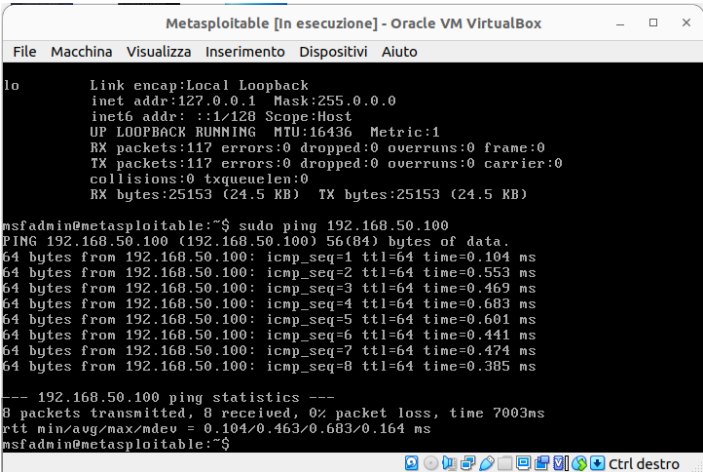
## DA #WINDOWS 7 A #KALI LINUX



## DA #WINDOWS 7 A #METASPLOITABLE



## DA #METASPLOITABLE A #KALI LINUX



## DA# METASPLOITABLE A #WINDOWS 7

```
Metasploitable [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto
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:~$ sudo ping 192.168.50.102
[sudo] password for msfadmin:
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=6.42 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=1.39 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=1.49 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=1.45 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=1.48 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=1.56 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=1.51 ms
64 bytes from 192.168.50.102: icmp_seq=8 ttl=128 time=1.32 ms

--- 192.168.50.102 ping statistics ---
8 packets transmitted, 8 received, 0% packet loss, time 7002ms
rtt min/avg/max/mdev = 1.323/2.081/6.421/1.641 ms
msfadmin@metasploitable:~$
```

## CONFERMA IMPOSTAZIONE IP STATICO (IFCONFIG/IPCONFIG):

```
Kali-frag [In esecuzione] - Oracle VM VirtualBox
File Actions Edit View Help
--- 192.168.50.102 ping statistics ---
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rtt min/avg/max/mdev = 0.579/1.461/1.785/0.328 ms

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    inet6 fe80::a00:27ff:fefa:dd14 prefixlen 64 scopeid 0<20<link>
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    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 28 bytes 3496 (3.4 KiB)
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lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0<10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 4 bytes 240 (240.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 4 bytes 240 (240.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

#KALI LINUX

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

--- 192.168.50.102 ping statistics ---
8 packets transmitted, 8 received, 0% packet loss, time 7002ms
rtt min/avg/max/mdev = 1.323/2.081/6.421/1.641 ms
msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet HWaddr 08:00:27:dc:03:d4
          inet addr:192.168.50.101 Bcast:192.168.50.255 Mask:255.255.255
          inet6 addr: fe80::a00:27ff:fedc:3d4/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:17 errors:0 dropped:0 overruns:0 frame:0
          TX packets:74 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:2571 (2.5 KB) TX bytes:5620 (5.4 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:117 errors:0 dropped:0 overruns:0 frame:0
          TX packets:117 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:25153 (24.5 KB) TX bytes:25153 (24.5 KB)

msfadmin@metasploitable:~$
```

#METASPLOITABLE

```
Windows 7 x64 [In esecuzione] - Oracle VM VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto

C:\Users\Win7>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::38ff:a4f7:d164:cadf%11
    IPv4 Address. . . . . : 192.168.50.102
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

Tunnel adapter isatap.{0A64898F-8786-4096-876D-52DBE55926CB}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Users\Win7>
```

#WINDOWS 7