

ip setup

kali

```
(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 216 bytes 22200 (21.6 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 310 bytes 25146 (24.5 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 315 bytes 32128 (31.3 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 315 bytes 32128 (31.3 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

windows 7

```
Indirizzo IPv4. . . . . : 192.168.50.102  
Subnet mask . . . . . : 255.255.255.0  
Gateway predefinito . . . . . : 192.168.50.1
```

metasploitable 2

```
msfadmin@metasploitable:~$ ifconfig  
eth0      Link encap:Ethernet  HWaddr 08:00:27:59:05:25  
    inet addr:192.168.50.101 Bcast:192.168.50.255 Mask:255.255.255.0  
    inet6 addr: fe80::a00:27ff:fe59:525/64 Scope:Link  
    UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1  
    RX packets:1 errors:0 dropped:0 overruns:0 frame:0  
    TX packets:54 errors:0 dropped:0 overruns:0 carrier:0  
    collisions:0 txqueuelen:1000  
    RX bytes:230 (230.0 B)  TX bytes:4088 (3.9 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:110 errors:0 dropped:0 overruns:0 frame:0  
    TX packets:110 errors:0 dropped:0 overruns:0 carrier:0  
    collisions:0 txqueuelen:0  
    RX bytes:22861 (22.3 KB)  TX bytes:22861 (22.3 KB)
```

Ping test

Kali to 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=0.561 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.686 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.333 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.304 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.324 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.306 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=0.414 ms
^C
— 192.168.50.102 ping statistics —
7 packets transmitted, 7 received, 0% packet loss, time 6145ms
rtt min/avg/max/mdev = 0.304/0.418/0.686/0.138 ms

```

kali to metasploitable 2

```

(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=0.369 ms
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=0.256 ms
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=0.270 ms
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=0.282 ms
64 bytes from 192.168.50.101: icmp_seq=5 ttl=64 time=0.275 ms
^C
— 192.168.50.101 ping statistics —
5 packets transmitted, 5 received, 0% packet loss, time 4098ms
rtt min/avg/max/mdev = 0.256/0.290/0.369/0.040 ms

```

kali to host

```

(kali㉿kali)-[~]
└─$ ping 192.168.1.129
PING 192.168.1.129 (192.168.1.129) 56(84) bytes of data.
From 192.168.50.100 icmp_seq=1 Destination Host Unreachable
From 192.168.50.100 icmp_seq=2 Destination Host Unreachable
From 192.168.50.100 icmp_seq=3 Destination Host Unreachable
From 192.168.50.100 icmp_seq=4 Destination Host Unreachable
From 192.168.50.100 icmp_seq=5 Destination Host Unreachable
From 192.168.50.100 icmp_seq=6 Destination Host Unreachable
From 192.168.50.100 icmp_seq=7 Destination Host Unreachable
From 192.168.50.100 icmp_seq=8 Destination Host Unreachable
From 192.168.50.100 icmp_seq=9 Destination Host Unreachable
^C
— 192.168.1.129 ping statistics —
10 packets transmitted, 0 received, +9 errors, 100% packet loss, time 9215ms
pipe 4

```

windows 7 to kali

```
C:\Users\Toss>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 = 0ms, Medio = 0ms
```

windows 7 to metasploitable 2

```
C:\Users\Toss>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
```

windows 7 to host

```
C:\Users\Toss>ping 192.168.1.129

Esecuzione di Ping 192.168.1.129 con 32 byte di dati:
Risposta da 192.168.50.102: Host di destinazione non raggiungibile.
Risposta da 192.168.50.102: Host di destinazione non raggiungibile.
Risposta da 192.168.50.102: Host di destinazione non raggiungibile.
Risposta da 192.168.50.102: Host di destinazione non raggiungibile.

Statistiche Ping per 192.168.1.129:
    Pacchetti: Trasmessi = 4, Ricevuti = 4,
    Persi = 0 (0% persi),
```

Metasploitable 2 to kali

```

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=0.246 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.235 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=0.459 ms
64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=0.509 ms
64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.269 ms
64 bytes from 192.168.50.100: icmp_seq=6 ttl=64 time=0.272 ms

--- 192.168.50.100 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5050ms
rtt min/avg/max/mdev = 0.235/0.331/0.509/0.111 ms
msfadmin@metasploitable:~$ _

```

metasploitable 2 to windows 7

```

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=0.467 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.273 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.660 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.503 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.302 ms

--- 192.168.50.102 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4027ms
rtt min/avg/max/mdev = 0.273/0.441/0.660/0.141 ms

```

metasploitable 2 to host

```

msfadmin@metasploitable:~$ ping 192.168.1.129
PING 192.168.1.129 (192.168.1.129) 56(84) bytes of data.
From 192.168.50.101 icmp_seq=1 Destination Host Unreachable
From 192.168.50.101 icmp_seq=2 Destination Host Unreachable
From 192.168.50.101 icmp_seq=3 Destination Host Unreachable

--- 192.168.1.129 ping statistics ---
5 packets transmitted, 0 received, +3 errors, 100% packet loss, time 4003ms
, pipe 3
msfadmin@metasploitable:~$

```