

## KALI LINUX

```
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:fec7:e136 prefixlen 64 scopeid 0x20<link>  
    ether 08:00:27:c7:e1:36 txqueuelen 1000 (Ethernet)  
    RX packets 366 bytes 44106 (43.0 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 238 bytes 22082 (21.5 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 31 bytes 3176 (3.1 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 31 bytes 3176 (3.1 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
PS> kali@kali: /home/kali  
File Actions Edit View Help  
https://aka.ms/powershell  
Type 'help' to get help.  
  
(kali@kali)-[/home/kali]  
PS> 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=0.174 ms  
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=0.171 ms  
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=0.204 ms  
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=0.535 ms  
64 bytes from 192.168.50.101: icmp_seq=5 ttl=64 time=0.805 ms  
64 bytes from 192.168.50.101: icmp_seq=6 ttl=64 time=0.979 ms  
64 bytes from 192.168.50.101: icmp_seq=7 ttl=64 time=0.823 ms  
64 bytes from 192.168.50.101: icmp_seq=8 ttl=64 time=0.998 ms  
64 bytes from 192.168.50.101: icmp_seq=9 ttl=64 time=0.892 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=0.939 ms  
64 bytes from 192.168.50.101: icmp_seq=12 ttl=64 time=1.07 ms  
64 bytes from 192.168.50.101: icmp_seq=13 ttl=64 time=0.969 ms  
^C  
— 192.168.50.101 ping statistics —  
13 packets transmitted, 13 received, 0% packet loss, time 12121ms  
rtt min/avg/max/mdev = 0.171/0.736/1.069/0.329 ms
```

```
(kali@kali)-[/home/kali]  
PS> ping 192.168.50.102  
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.  
^C  
— 192.168.50.102 ping statistics —  
5 packets transmitted, 0 received, 100% packet loss, time 4081ms
```

ping 192.168.50.102 dopo configurazione regola di firewall su Windows 7:

```
(kali㉿kali)-[/home/kali]
PS> 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=0.461 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.839 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.917 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.831 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.753 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.221 ms
^C
— 192.168.50.102 ping statistics —
6 packets transmitted, 6 received, 0% packet loss, time 5049ms
rtt min/avg/max/mdev = 0.221/0.670/0.917/0.247 ms
```

(host)

```
kali@kali: ~
File Actions Edit View Help
(kali㉿kali)-[~]
$ ping 192.168.1.114
PING 192.168.1.114 (192.168.1.114) 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
— 192.168.1.114 ping statistics —
10 packets transmitted, 0 received, +9 errors, 100% packet loss, time 9198ms
pipe 4
```

## METASPLOITABLE

```
To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
No mail.
msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:16:aa:1c
          inet addr:192.168.50.101  Bcast:192.168.50.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe16:aa1c/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:0 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:0 (0.0 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:106 errors:0 dropped:0 overruns:0 frame:0
          TX packets:106 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:20765 (20.2 KB)  TX bytes:20765 (20.2 KB)
```

```
rtt min/avg/max/mdev = 0.176/0.515/4.058/0.737 ms
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=0.568 ms
 64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=0.754 ms
 64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=0.669 ms
 64 bytes from 192.168.50.100: icmp_seq=4 ttl=64 time=0.817 ms
 64 bytes from 192.168.50.100: icmp_seq=5 ttl=64 time=0.860 ms
 64 bytes from 192.168.50.100: icmp_seq=6 ttl=64 time=0.249 ms
 64 bytes from 192.168.50.100: icmp_seq=7 ttl=64 time=0.479 ms
 64 bytes from 192.168.50.100: icmp_seq=8 ttl=64 time=0.709 ms
 64 bytes from 192.168.50.100: icmp_seq=9 ttl=64 time=0.928 ms
 64 bytes from 192.168.50.100: icmp_seq=10 ttl=64 time=0.826 ms
```

```
--- 192.168.50.100 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9125ms
rtt min/avg/max/mdev = 0.249/0.685/0.928/0.197 ms
```

```
rtt min/avg/max/mdev = 0.176/0.515/4.058/0.737 ms
msfadmin@metasploitable:~$ ping 192.168.50.102
PING 192.168.50.102 (192.168.50.102) 56(84) bytes of data.

--- 192.168.50.102 ping statistics ---
30 packets transmitted, 0 received, 100% packet loss, time 29258ms
```

ping 192.168.50.102 dopo configurazione regola di firewall su 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=209 ttl=128 time=1.32 ms
64 bytes from 192.168.50.102: icmp_seq=210 ttl=128 time=0.887 ms
64 bytes from 192.168.50.102: icmp_seq=211 ttl=128 time=1.09 ms
64 bytes from 192.168.50.102: icmp_seq=212 ttl=128 time=0.212 ms
64 bytes from 192.168.50.102: icmp_seq=213 ttl=128 time=1.02 ms
64 bytes from 192.168.50.102: icmp_seq=214 ttl=128 time=0.853 ms
64 bytes from 192.168.50.102: icmp_seq=215 ttl=128 time=1.03 ms
64 bytes from 192.168.50.102: icmp_seq=216 ttl=128 time=0.849 ms
64 bytes from 192.168.50.102: icmp_seq=217 ttl=128 time=0.544 ms
64 bytes from 192.168.50.102: icmp_seq=218 ttl=128 time=0.368 ms
64 bytes from 192.168.50.102: icmp_seq=219 ttl=128 time=0.833 ms
64 bytes from 192.168.50.102: icmp_seq=220 ttl=128 time=0.602 ms
64 bytes from 192.168.50.102: icmp_seq=221 ttl=128 time=0.947 ms
64 bytes from 192.168.50.102: icmp_seq=222 ttl=128 time=0.894 ms
64 bytes from 192.168.50.102: icmp_seq=223 ttl=128 time=0.894 ms
64 bytes from 192.168.50.102: icmp_seq=224 ttl=128 time=0.871 ms
64 bytes from 192.168.50.102: icmp_seq=225 ttl=128 time=0.967 ms

--- 192.168.50.102 ping statistics ---
225 packets transmitted, 17 received, 92% packet loss, time 224243ms
rtt min/avg/max/mdev = 0.212/0.834/1.320/0.264 ms
```

(host)

```
msfadmin@metasploitable:~$ ping 192.168.1.114
PING 192.168.1.114 (192.168.1.114) 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
From 192.168.50.101 icmp_seq=4 Destination Host Unreachable
From 192.168.50.101 icmp_seq=5 Destination Host Unreachable
From 192.168.50.101 icmp_seq=6 Destination Host Unreachable

--- 192.168.1.114 ping statistics ---
8 packets transmitted, 0 received, +6 errors, 100% packet loss, time 7063ms
, pipe 3
```

## WINDOWS 7

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\ vboxuser>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::8df0:bc24:6d35:101f%11
    IPv4 Address. . . . . : 192.168.50.102
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.50.1

Tunnel adapter isatap.{B857AEDD-AFFD-47F1-A6AF-A76DC6B5C81D}:

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

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\ vboxuser>ping 192.168.50.100

Pinging 192.168.50.100 with 32 bytes of data:
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64
Reply from 192.168.50.100: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.50.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\ vboxuser>ping 192.168.50.101

Pinging 192.168.50.101 with 32 bytes of data:
Reply from 192.168.50.101: bytes=32 time<1ms TTL=64
Reply from 192.168.50.101: bytes=32 time<1ms TTL=64
Reply from 192.168.50.101: bytes=32 time<1ms TTL=64
Reply from 192.168.50.101: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.50.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

(host)

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\ vboxuser>ping 192.168.1.114

Pinging 192.168.1.114 with 32 bytes of data:
Reply from 192.168.50.102: Destination host unreachable.
Reply from 192.168.50.102: Destination host unreachable.
Reply from 192.168.50.102: Destination host unreachable.
Reply from 192.168.50.102: Destination host unreachable.

Ping statistics for 192.168.1.114:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

## COMUNICAZIONE DA HOST

```
C:\Users\simon>ping 192.168.50.100
```

```
Esecuzione di Ping 192.168.50.100 con 32 byte di dati:
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Statistiche Ping per 192.168.50.100:
```

```
    Pacchetti: Trasmessi = 4, Ricevuti = 0,
```

```
    Persi = 4 (100% persi),
```

```
C:\Users\simon>ping 192.168.50.101
```

```
Esecuzione di Ping 192.168.50.101 con 32 byte di dati:
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Statistiche Ping per 192.168.50.101:
```

```
    Pacchetti: Trasmessi = 4, Ricevuti = 0,
```

```
    Persi = 4 (100% persi),
```

```
C:\Users\simon>ping 192.168.50.102
```

```
Esecuzione di Ping 192.168.50.102 con 32 byte di dati:
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Richiesta scaduta.
```

```
Statistiche Ping per 192.168.50.102:
```

```
    Pacchetti: Trasmessi = 4, Ricevuti = 0,
```

```
    Persi = 4 (100% persi),
```