

Report W1D4

KALI LINUX

Indirizzo IP statico di KALI LINUX installato su UTM

```
salvatoremorale@kali: ~  
File Azioni Modifica Visualizza Aiuto  
  
(salvatoremorale@kali)-[~]  
$ sudo route add default gw 192.168.50.1 eth0  
  
(salvatoremorale@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::6c04:b7ff:fee8:7f17 prefixlen 64 scopeid 0x20<link>  
    ether 6e:04:b7:e8:7f:17 txqueuelen 1000 (Ethernet)  
    RX packets 19 bytes 2234 (2.1 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 204 bytes 13074 (12.7 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 92 bytes 9180 (8.9 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 92 bytes 9180 (8.9 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(salvatoremorale@kali)-[~]  
$
```

KALI LINUX ping METASPLOITABLE (fig.1) e WINDOWS 7 (fig. 2)

```
salvatoremorale@kali: ~  
File Azioni Modifica Visualizza Aiuto  
  
TX packets 280 bytes 14158 (13.8 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 170 bytes 16902 (16.5 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 170 bytes 16902 (16.5 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(salvatoremorale@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=2.62 ms  
64 bytes from 192.168.50.101: icmp_seq=2 ttl=64 time=2.40 ms  
64 bytes from 192.168.50.101: icmp_seq=3 ttl=64 time=1.91 ms  
64 bytes from 192.168.50.101: icmp_seq=4 ttl=64 time=1.72 ms  
^C  
--- 192.168.50.101 ping statistics ---  
4 packets transmitted, 4 received, 0% packet loss, time 3009ms  
rtt min/avg/max/mdev = 1.721/2.161/2.615/0.360 ms  
  
(salvatoremorale@kali)-[~]  
$
```

```
salvatoremorale@kali: ~  
File Azioni Modifica Visualizza Aiuto  
  
RX packets 19 bytes 2234 (2.1 KiB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 204 bytes 13074 (12.7 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 92 bytes 9180 (8.9 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 92 bytes 9180 (8.9 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(salvatoremorale@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=9.50 ms  
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=2.98 ms  
^C  
--- 192.168.50.102 ping statistics ---  
2 packets transmitted, 2 received, 0% packet loss, time 1006ms  
rtt min/avg/max/mdev = 2.978/6.236/9.495/3.258 ms  
  
(salvatoremorale@kali)-[~]  
$
```

METASPLOITABLE

Indirizzo IP statico di METASPLOITABLE installato su UTM

```
msfadmin@metasploitable:~$ sudo ifconfig eth0 192.168.50.101 netmask 255.255.255.0
[sudo] password for msfadmin:
msfadmin@metasploitable:~$ sudo route add default gw 192.168.50.1 eth0
msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr ca:d0:f2:82:e7:85
          inet addr:192.168.50.101  Bcast:192.168.50.255  Mask:255.255.255.0
          inet6 addr: fe80::c8d0:f2ff:fe82:e785/64  Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:4 errors:0 dropped:0 overruns:0 frame:0
          TX packets:30 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:1197 (1.1 KB)  TX bytes:3924 (3.8 KB)
          Base address:0xc000  Memory:febc0000-febe0000

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:100 errors:0 dropped:0 overruns:0 frame:0
          TX packets:100 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:23481 (22.9 KB)  TX bytes:23481 (22.9 KB)

msfadmin@metasploitable:~$
```

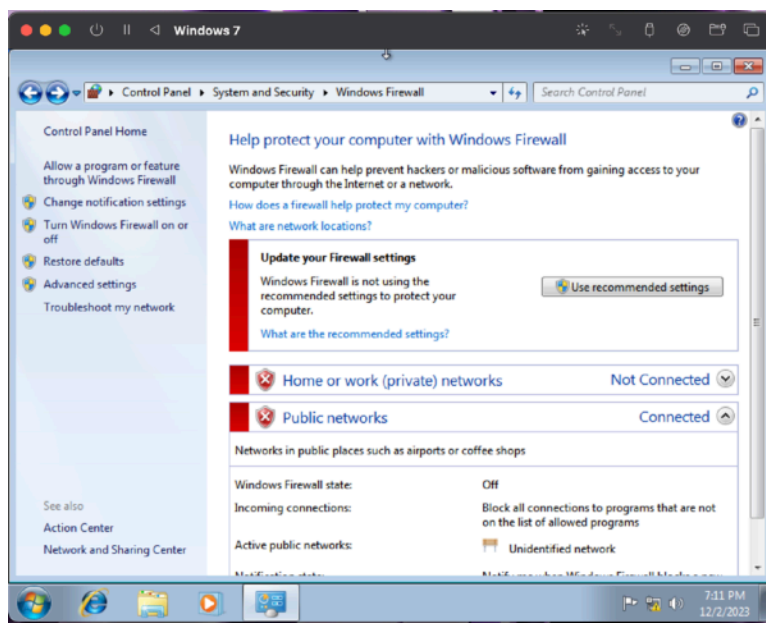
METASPLOITABLE ping KALI LINUX (fig. 1) e WINDOWS 7 (fig.2)

```
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=20.4 ms
64 bytes from 192.168.50.100: icmp_seq=2 ttl=64 time=1.51 ms
64 bytes from 192.168.50.100: icmp_seq=3 ttl=64 time=1.30 ms
--- 192.168.50.100 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 1990ms
rtt min/avg/max/mdev = 1.308/7.742/20.400/8.951 ms
msfadmin@metasploitable:~$
```

```
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=18.5 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=4.61 ms
--- 192.168.50.102 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 4.619/11.594/18.569/6.975 ms
msfadmin@metasploitable:~$
```

WINDOWS 7

(Per consentire il ping di Windows 7 ho disattivato il Firewall base che impediva la trasmissione dei pacchetti.)



Indirizzo IP statico di WINDOWS 7 su UTM

```
C:\Windows\system32\cmd.exe
'ip' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\salvatoremorale>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::e46b:64a2:ad4:3f7%11
    IPv4 Address. . . . . : 192.168.50.102
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.50.1

Tunnel adapter isatap.{A6354CD6-8311-4228-8F75-B18B191A696D}:

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

C:\Users\salvatoremorale>
```

WINDOWS 7 ping KALI LINUX (fig. 1) e METASPLOITABLE (fig. 2)

```
ca. C:\Windows\system32\cmd.exe
IPv4 Address. . . . . : 192.168.50.102
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.50.1

Tunnel adapter isatap.{A6354CD6-8311-4228-8F75-B18B191A696D}:

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

C:\Users\silvatoremorale>ping 192.168.50.100

Pinging 192.168.50.100 with 32 bytes of data:
Reply from 192.168.50.100: bytes=32 time=2ms TTL=64
Reply from 192.168.50.100: bytes=32 time=2ms TTL=64
Reply from 192.168.50.100: bytes=32 time=2ms TTL=64
Reply from 192.168.50.100: bytes=32 time=3ms 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 = 2ms, Maximum = 3ms, Average = 2ms

C:\Users\silvatoremorale>
C:\Users\silvatoremorale>
```

```
ca. C:\Windows\system32\cmd.exe
Connection-specific DNS Suffix  :
Link-local IPv6 Address . . . . . : fe80::e46b:64a2:ad4:3f7%11
IPv4 Address. . . . . : 192.168.50.102
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.50.1

Tunnel adapter isatap.{A6354CD6-8311-4228-8F75-B18B191A696D}:

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

C:\Users\silvatoremorale>ping 192.168.50.101

Pinging 192.168.50.101 with 32 bytes of data:
Reply from 192.168.50.101: bytes=32 time=4ms TTL=64
Reply from 192.168.50.101: bytes=32 time=1ms TTL=64
Reply from 192.168.50.101: bytes=32 time=3ms TTL=64

Ping statistics for 192.168.50.101:
    Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 4ms, Average = 2ms
Control-C
^C
C:\Users\silvatoremorale>
```