

# Pre-requisiti: Network 4

- 1) Configurare policy per permettere il ping da macchina Linux a macchina Windows 7 nel nostro laboratorio (Windows firewall)
- 2) Utilizzo dell'utility InetSim per l'emulazione di servizi Internet
- 3) Cattura di pacchetti con Wireshark

1)

```
(kali㉿kali)-[~/Desktop]
$ 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=0.252 ms
64 bytes from 192.168.50.102: icmp_seq=2 ttl=128 time=0.258 ms
64 bytes from 192.168.50.102: icmp_seq=3 ttl=128 time=0.263 ms
64 bytes from 192.168.50.102: icmp_seq=4 ttl=128 time=0.257 ms
64 bytes from 192.168.50.102: icmp_seq=5 ttl=128 time=0.255 ms
64 bytes from 192.168.50.102: icmp_seq=6 ttl=128 time=0.265 ms
64 bytes from 192.168.50.102: icmp_seq=7 ttl=128 time=0.214 ms
64 bytes from 192.168.50.102: icmp_seq=8 ttl=128 time=0.207 ms
64 bytes from 192.168.50.102: icmp_seq=9 ttl=128 time=0.279 ms
64 bytes from 192.168.50.102: icmp_seq=10 ttl=128 time=0.259 ms
64 bytes from 192.168.50.102: icmp_seq=11 ttl=128 time=0.225 ms
64 bytes from 192.168.50.102: icmp_seq=12 ttl=128 time=0.222 ms
^C
— 192.168.50.102 ping statistics —
12 packets transmitted, 12 received, 0% packet loss, time 11554ms
rtt min/avg/max/mdev = 0.207/0.246/0.279/0.022 ms

(kali㉿kali)-[~/Desktop]
$
```

```
C:\Users\Valerio>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

C:\Users\Valerio>
```

2)

```
(root@kali)-[/etc/inetsim]
# inetsim
INetSim 1.3.2 (2020-05-19) by Matthias Eckert & Thomas Hungenberg
Using log directory:      /var/log/inetsim/
Using data directory:    /var/lib/inetsim/
Using report directory:  /var/log/inetsim/report/
Using configuration file: /etc/inetsim/inetsim.conf
Parsing configuration file.
Configuration file parsed successfully.
=== INetSim main process started (PID 6356) ===
Session ID:      6356
Listening on:    192.168.50.100
Real Date/Time:  2023-06-18 11:10:35
Fake Date/Time: 2023-06-18 11:10:35 (Delta: 0 seconds)
Forking services ...
  * dns_53_tcp_udp - started (PID 6380)
  * irc_6667_tcp - started (PID 6390)
  * syslog_514_udp - started (PID 6394)
  * finger_79_tcp - started (PID 6392)
  * time_37_tcp - started (PID 6395)
  * daytime_13_tcp - started (PID 6397)
  * ident_113_tcp - started (PID 6393)
  * time_37_udp - started (PID 6396)
  * ntp_123_udp - started (PID 6391)
  * tftp_69_udp - started (PID 6389)
  * echo_7_tcp - started (PID 6399)
  * pop3_110_tcp - started (PID 6385)
  * smtps_465_tcp - started (PID 6384)
  * smtp_25_tcp - started (PID 6383)
  * ftp_21_tcp - started (PID 6387)
  * quotd_17_udp - started (PID 6404)
  * dummy_1_udp - started (PID 6408)
  * daytime_13_udp - started (PID 6398)
  * http_80_tcp - started (PID 6381)
  * discard_9_udp - started (PID 6402)
  * echo_7_udp - started (PID 6400)
  * discard_9_tcp - started (PID 6401)
  * chargen_19_udp - started (PID 6406)
  * quotd_17_tcp - started (PID 6403)
  * ftps_990_tcp - started (PID 6388)
  * pop3s_995_tcp - started (PID 6386)
  * chargen_19_tcp - started (PID 6405)
  * dummy_1_tcp - started (PID 6407)
  * https_443_tcp - started (PID 6382)
done.
Simulation running.
```

3)

