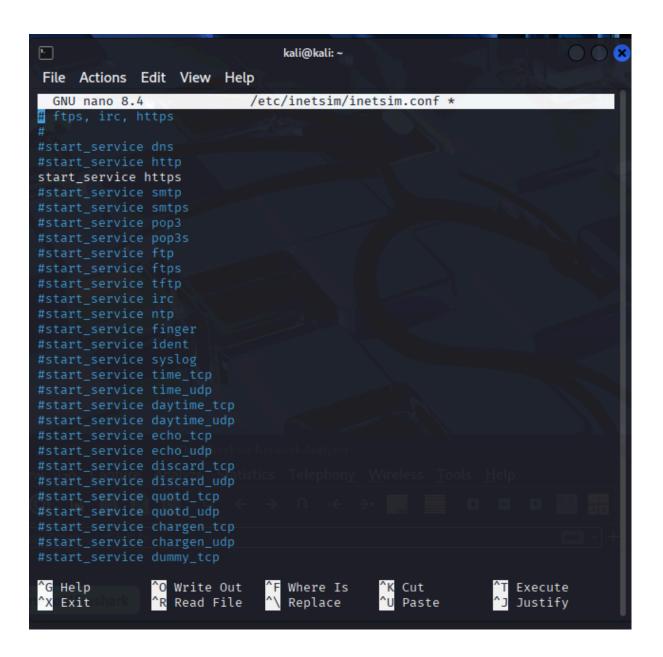ESERCIZIO 1, UNA VOLTA CONFIGURATO IL FIREWALL E IL PING DELLA MACCHINA
WINDOWS 192.168.50.100 E 192.168.50.102 è KALI  Ho fatto il ping e riesco a trovarle con
l'invio dei pacchetti senza perderli ho commentato tutto tranne https

```
# ftps, irc, https
#
#start_service dns
#start_service http
start_service https
#start_service smtp
#start_service smtps
#start_service pop3
#start_service pop3s
#start_service ftp
#start_service ftps
#start_service tftp
#start_service irc
#start_service ntp
#start_service finger
#start_service ident
#start_service syslog
#start_service time_tcp
#start_service time_udp
#start_service daytime_tcp
#start_service daytime_udp
#start_service echo_tcp
#start_service echo_udp
#start_service discard_tcp
#start_service discard_udp
#start_service quotd_tcp
#start_service quotd_udp
#start_service chargen_tcp
#start_service chargen_udp
#start_service dummy_tcp
```

```
┌──(kali⊛kali)-[~]
└─$ sudo inetsim
INetSim 1.3.2 (2020-05-19) by Matthias Eckert & Thomas Hungenberg
Main logfile '/var/log/inetsim/main.log' does not exist. Trying to create it
...
Main logfile '/var/log/inetsim/main.log' successfully created.
Sub logfile '/var/log/inetsim/service.log' does not exist. Trying to create
it...
Sub logfile '/var/log/inetsim/service.log' successfully created.
Debug logfile '/var/log/inetsim/debug.log' does not exist. Trying to create
it...
Debug logfile '/var/log/inetsim/debug.log' successfully created.
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 52969) ===
Session ID:     52969
Listening on:   127.0.0.1
Real Date/Time: 2025-07-17 15:38:45
Fake Date/Time: 2025-07-17 15:38:45 (Delta: 0 seconds)
 Forking services...
  * https_443_tcp - started (PID 52971)
 done.
Simulation running.
```

qui vediamo che parte con la configurazione giusta



This is the default HTML page for INetSim HTTP server fake mode.

This file is an HTML document.

127.0.0.1/sample.txt

https://127.0.0.1/sample.txt

OffSec   Kali Linux   Kali Tools

This is the default text document for INetSim HTTP server fake mode.

This file is plain text.

Capturing from eth0

File  Edit  View  Go  Capture  Analyze  Statistics  Telephony  Wireless  Tools  Help

Apply a display filter ... <Ctrl-/>

| No. | Time | Source | Destination | Protocol | Length | Info |
|---|---|---|---|---|---|---|
| 1 | 0.000000000 | 192.168.50.100 | 192.168.50.255 | NBNS | 92 | Name query NB WPAD<00> |
| 2 | 0.004357958 | fe80::a94d:68d8:a8d… | ff02::1:3 | LLMNR | 84 | Standard query 0xcf7f A wpad |
| 3 | 0.005420875 | 192.168.50.100 | 224.0.0.252 | LLMNR | 64 | Standard query 0xcf7f A wpad |
| 4 | 0.008713625 | fe80::a94d:68d8:a8d… | ff02::1:3 | LLMNR | 84 | Standard query 0x53cb AAAA wpad |
| 5 | 0.009295916 | 192.168.50.100 | 224.0.0.252 | LLMNR | 64 | Standard query 0x53cb AAAA wpad |
| 6 | 0.422747333 | fe80::a94d:68d8:a8d… | ff02::1:3 | LLMNR | 84 | Standard query 0x53cb AAAA wpad |
| 7 | 0.422925292 | fe80::a94d:68d8:a8d… | ff02::1:3 | LLMNR | 84 | Standard query 0xcf7f A wpad |
| 8 | 0.423559417 | 192.168.50.100 | 224.0.0.252 | LLMNR | 64 | Standard query 0xcf7f A wpad |
| 9 | 0.423559542 | 192.168.50.100 | 224.0.0.252 | LLMNR | 64 | Standard query 0x53cb AAAA wpad |
| 10 | 0.752706042 | 192.168.50.100 | 192.168.50.255 | NBNS | 92 | Name query NB WPAD<00> |
| 11 | 1.533852125 | 192.168.50.100 | 192.168.50.255 | NBNS | 92 | Name query NB WPAD<00> |

▶ Frame 1: 92 bytes on wire (736 bits), 92 bytes captured (
▶ Ethernet II, Src: 0a:cf:10:76:09:9b (0a:cf:10:76:09:9b),
▼ Internet Protocol Version 4, Src: 192.168.50.100, Dst: 19
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  ▶ Differentiated Services Field: 0x00 (DSCP: CS0, ECN: No
    Total Length: 78
    Identification: 0x7415 (29717)
  ▶ 000. .... = Flags: 0x0
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0xdfd5 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 192.168.50.100
    Destination Address: 192.168.50.255
    [Stream index: 0]

```
0000  ff ff ff ff ff ff 0a cf  10 76 09 9b 08 00 45 00
0010  00 4e 74 15 00 00 80 11  df d5 c0 a8 32 64 c0 a8
0020  32 ff 00 89 00 89 00 3a  ef 20 e7 24 01 10 00 01
0030  00 00 00 00 00 00 20 46  48 46 41 45 42 45 45 43
0040  41 43 41 43 41 43 41 43  41 43 41 43 41 43 41 43
0050  41 43 41 43 41 41 41 00  00 20 00 01
```

Bytes 36-37: Destination Port (udp.dstport)

Packets: 11                                      Profile: Default