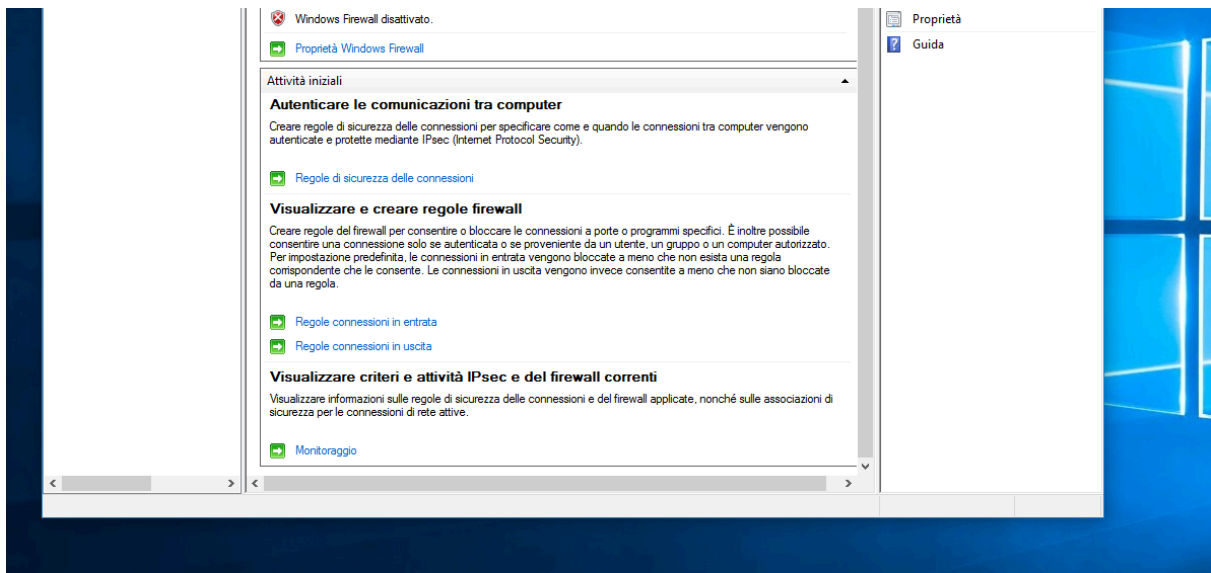
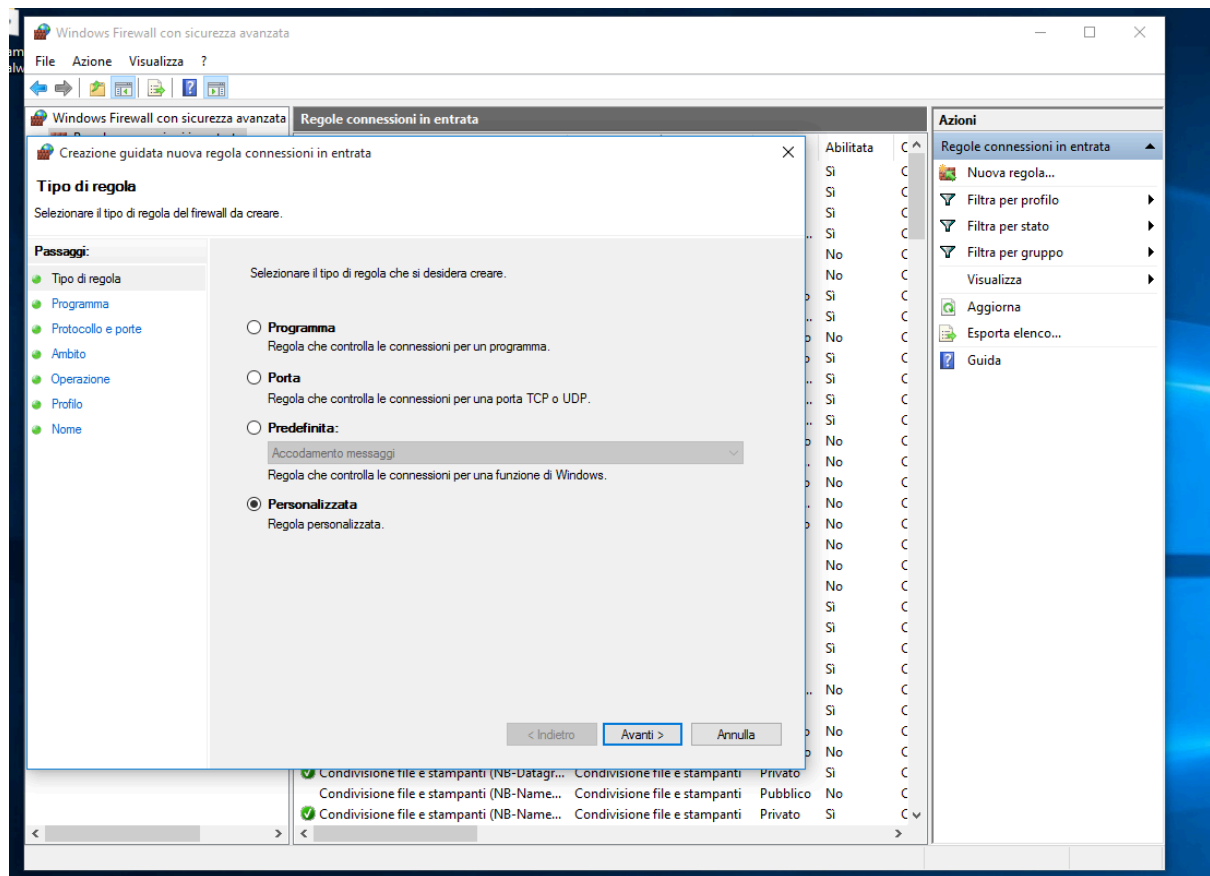
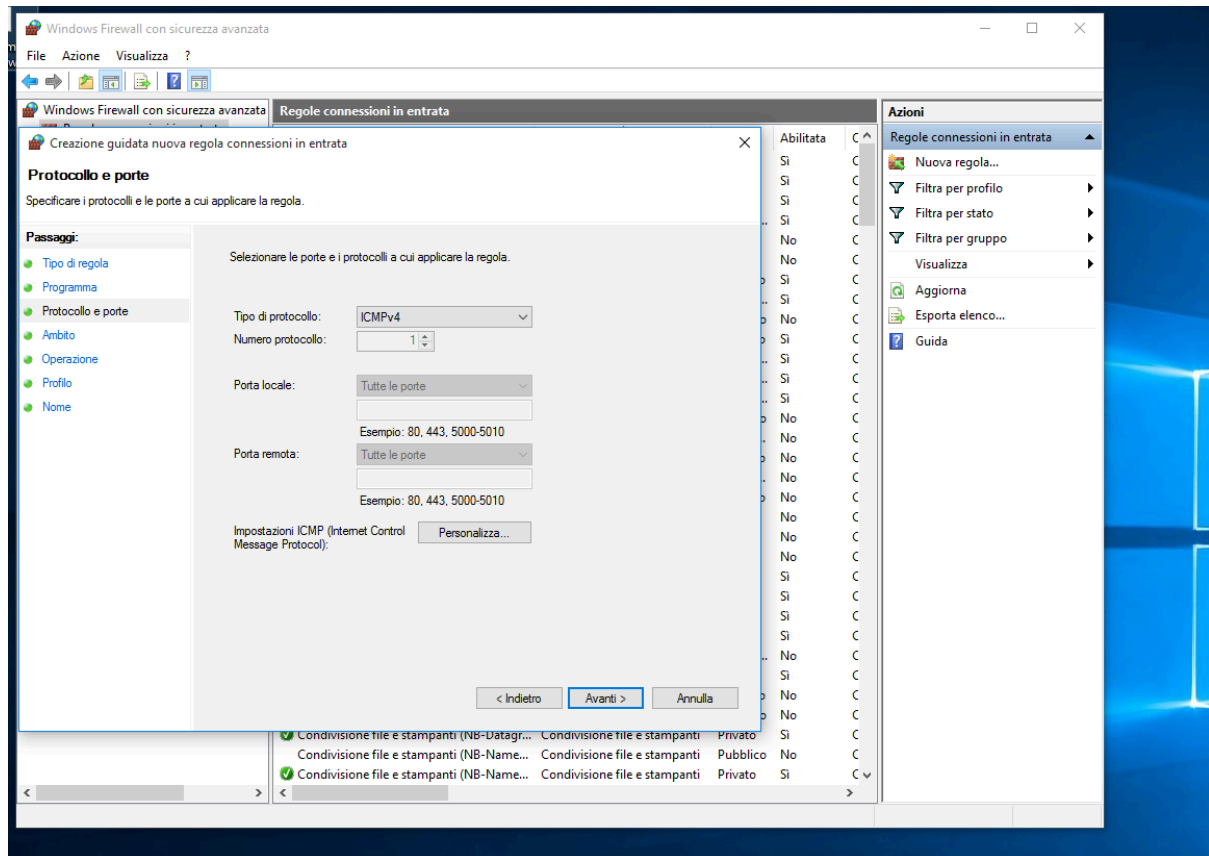
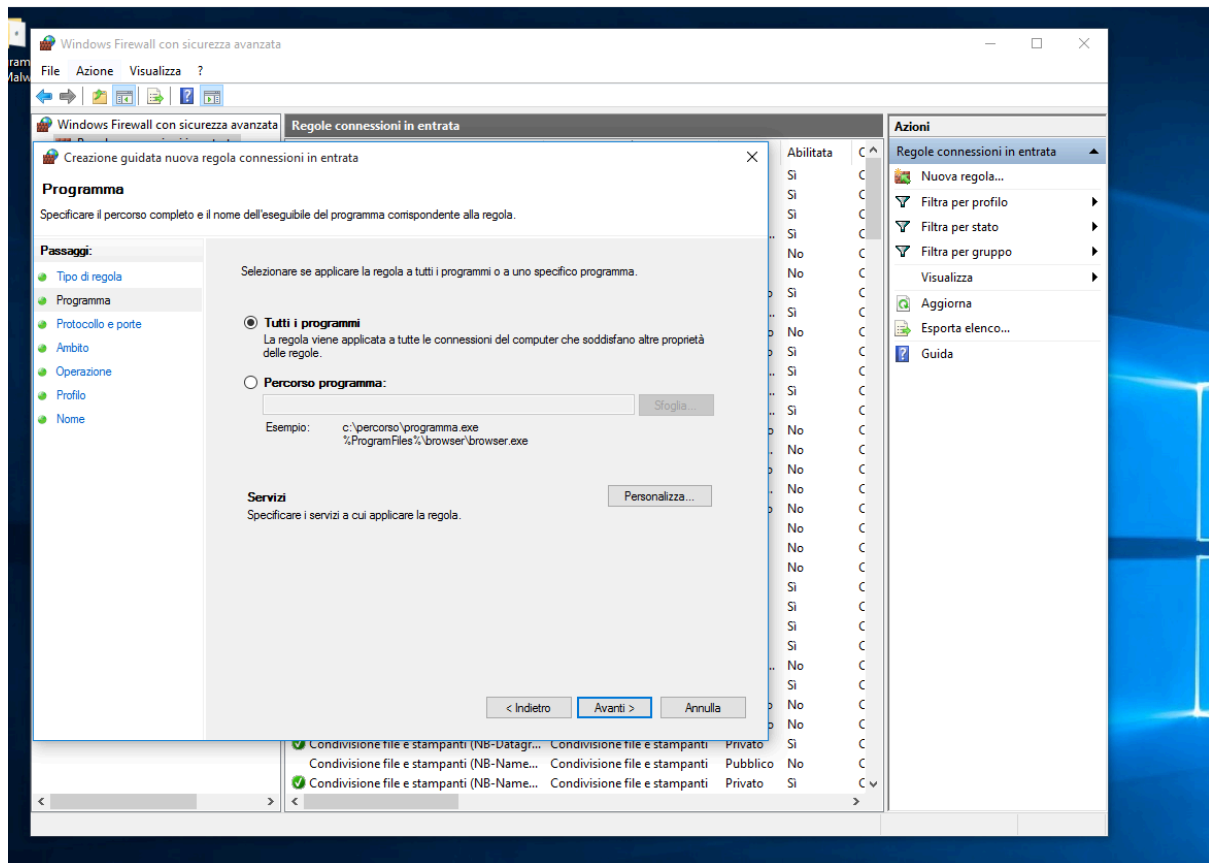


in questa schermata sono andata nella barra dei servizi ho cliccato su windows firewall ho interrotto lo stato del servizio in maniera da poter selezionare l'opzione manuale ho cliccato applica e poi ho avviato il servizio.

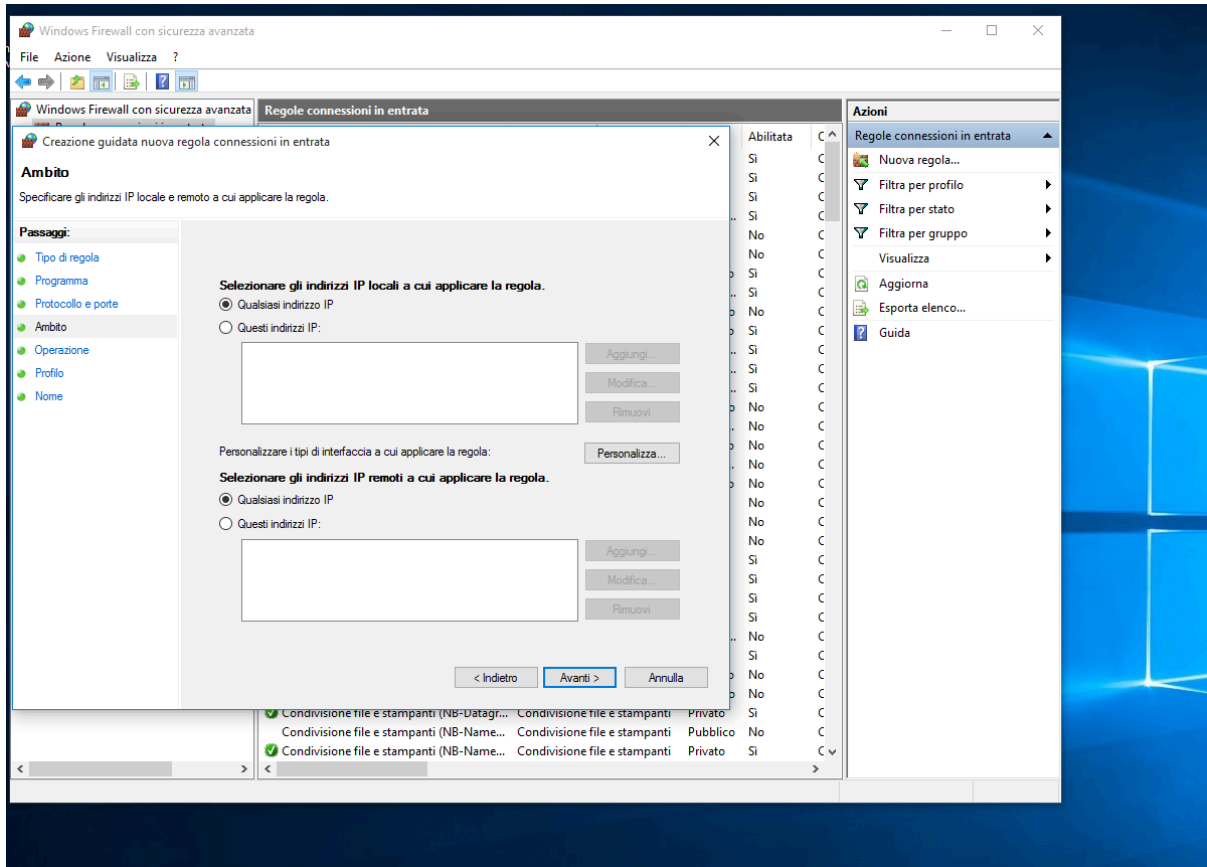


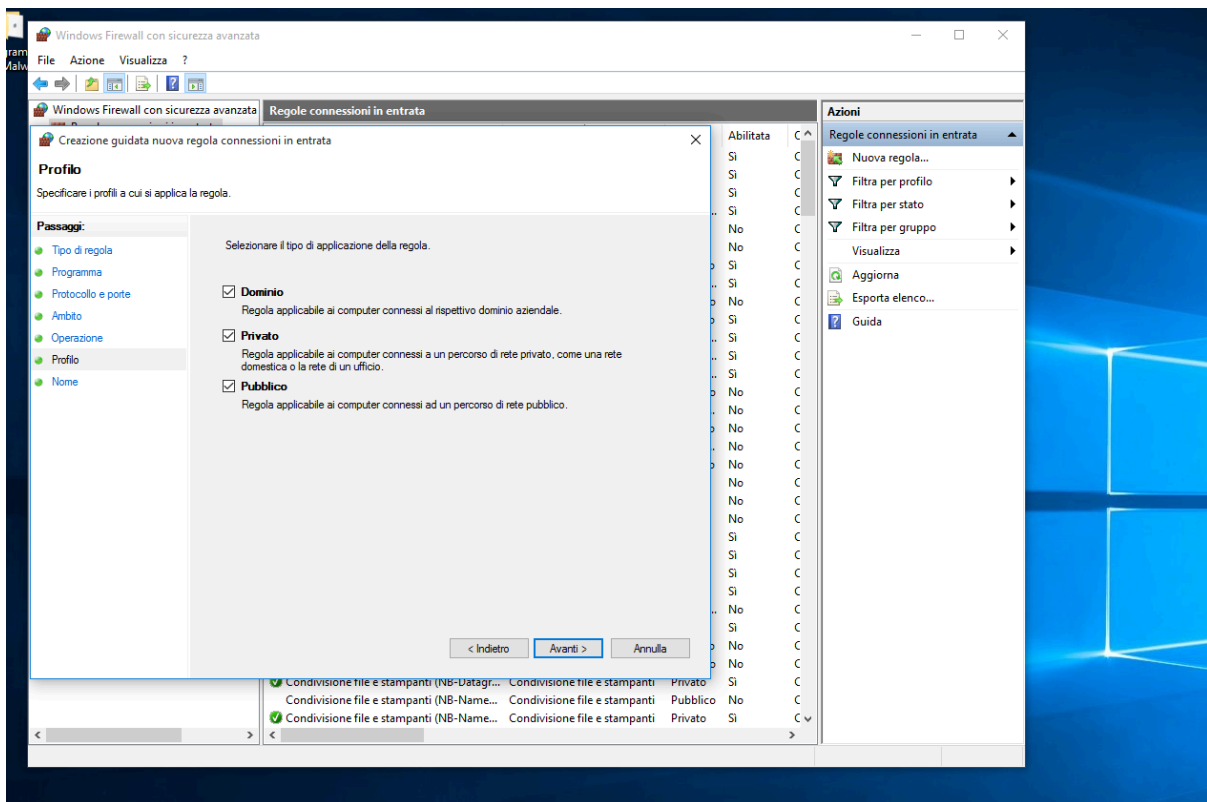
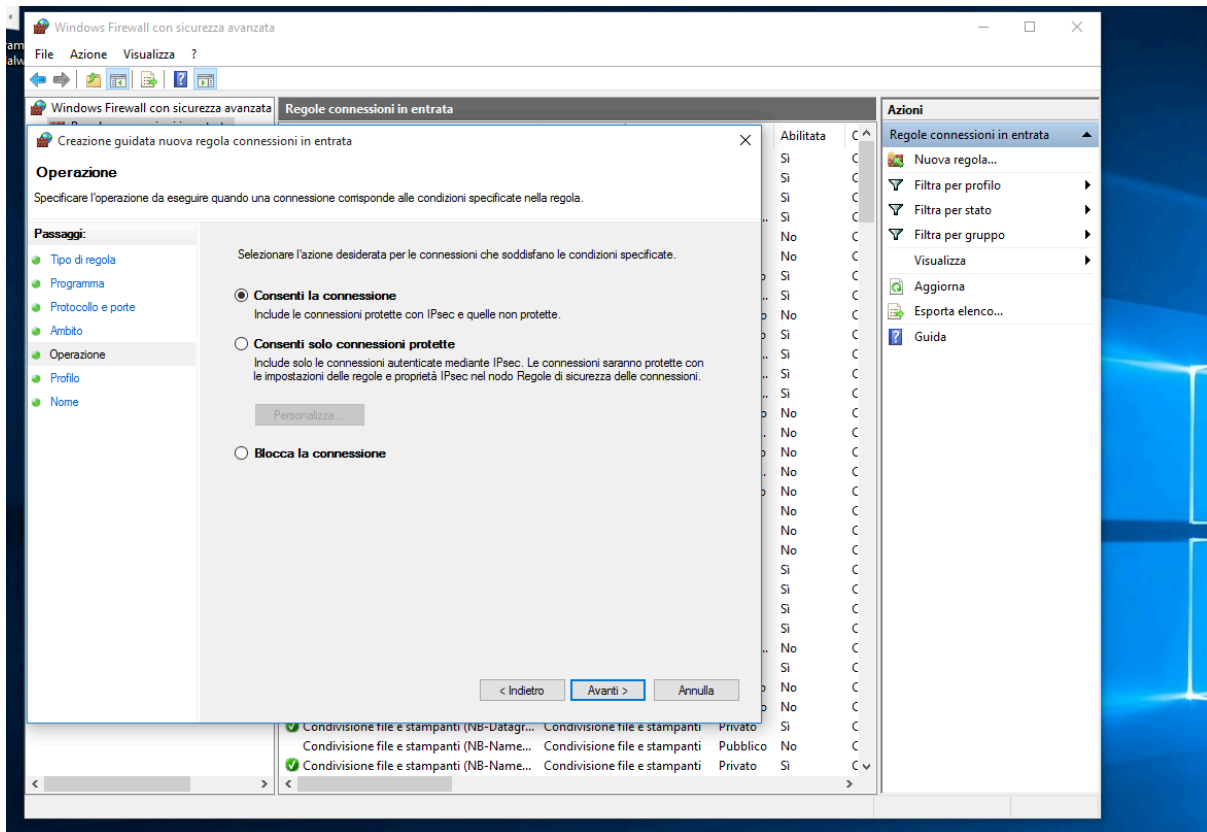


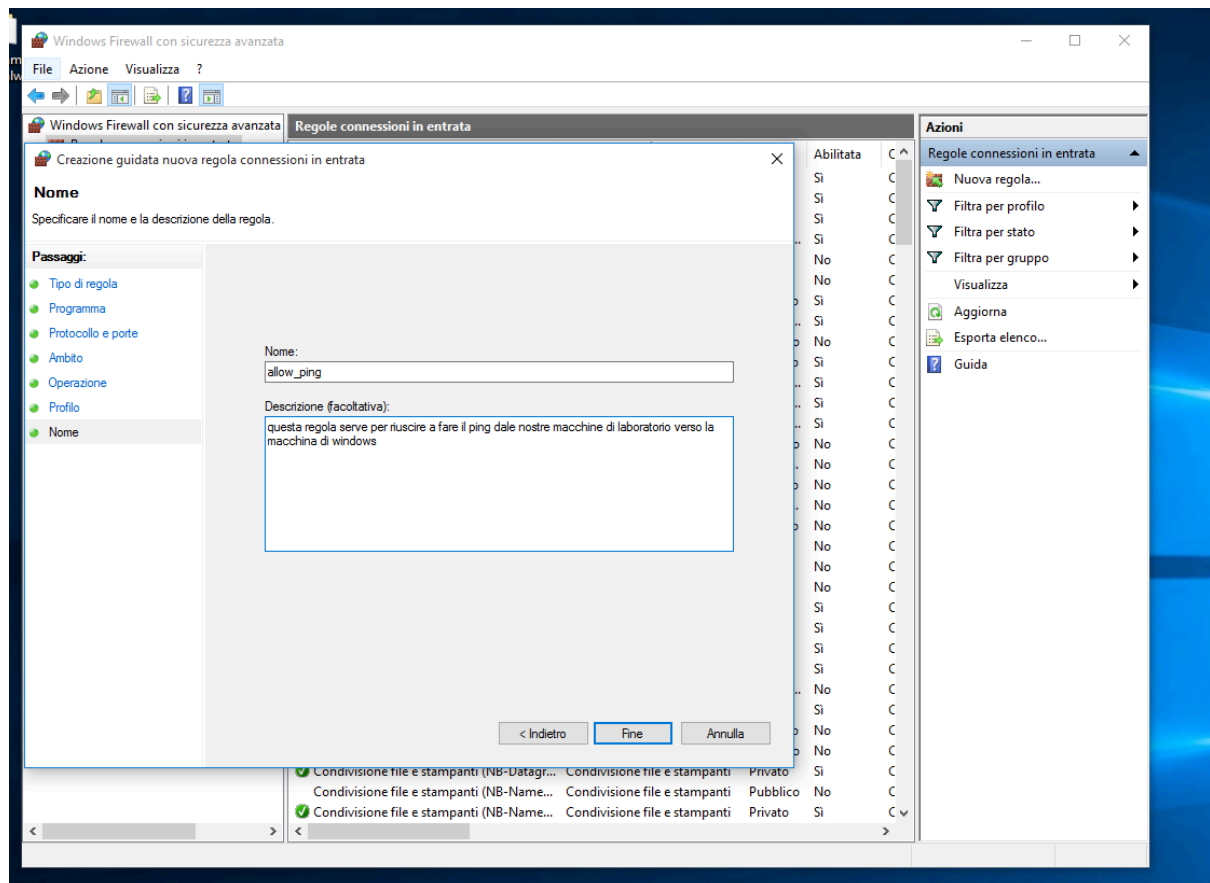
in queste slide sono tornata su windows firewall sono andata su visualizza e crea regole firewall ho cliccato regole connessioni in uscita poi sono andata in alto a destra e ho cliccato su nuova regola sono andata su personalizzata.



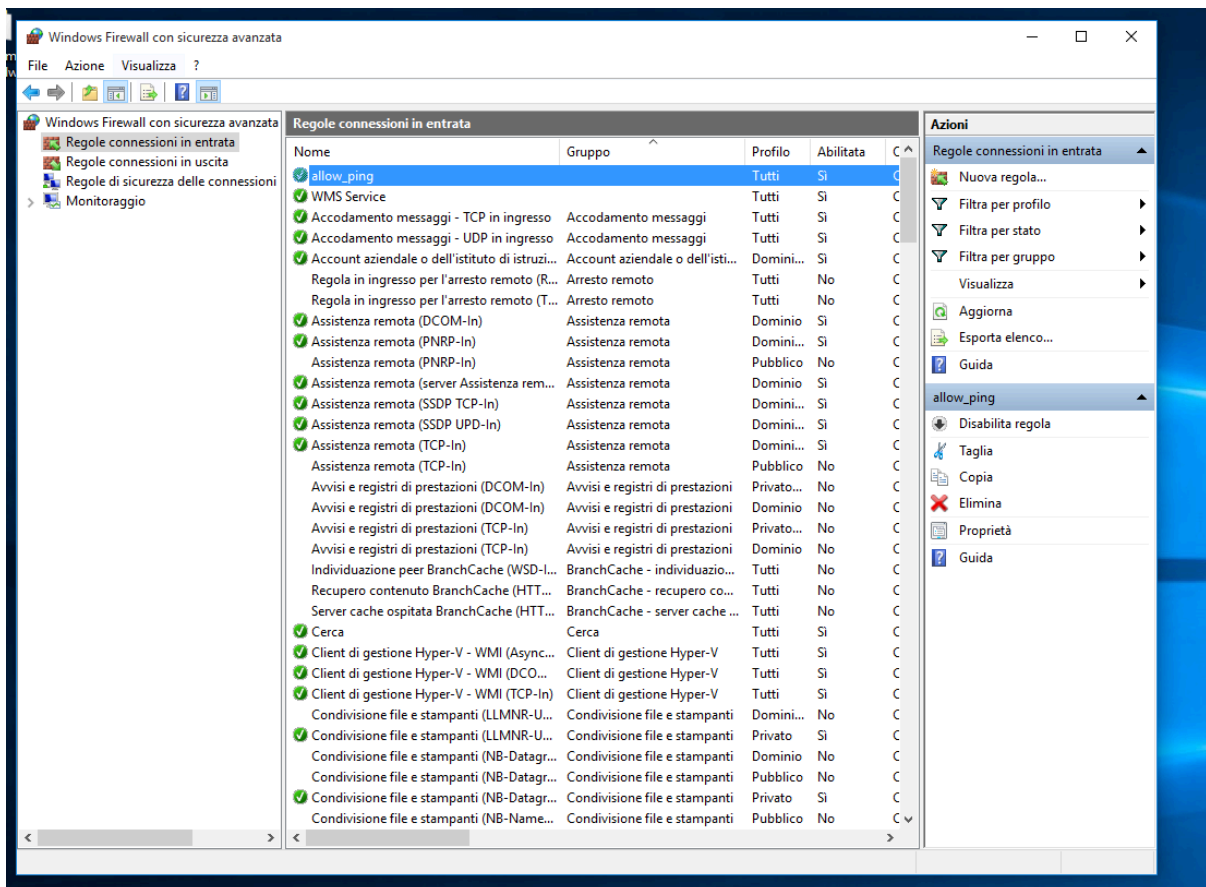
ho poi cliccato su tutti i programmi ho cliccato avanti e poi ho scelto il protocollo ICMPv4 poichè il ping essendo il protocollo che diagnostica i messaggi di errore nella rete ip quindi il ping utilizza questo tipo di protocollo.



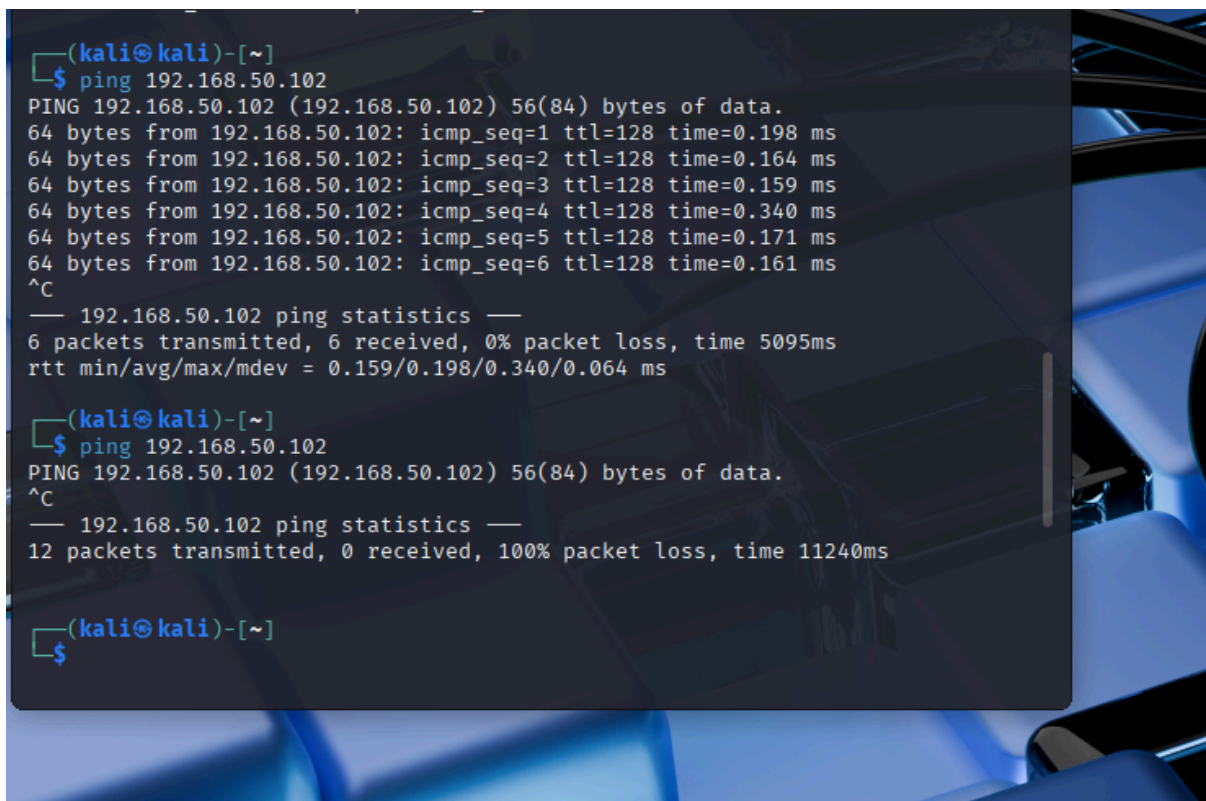




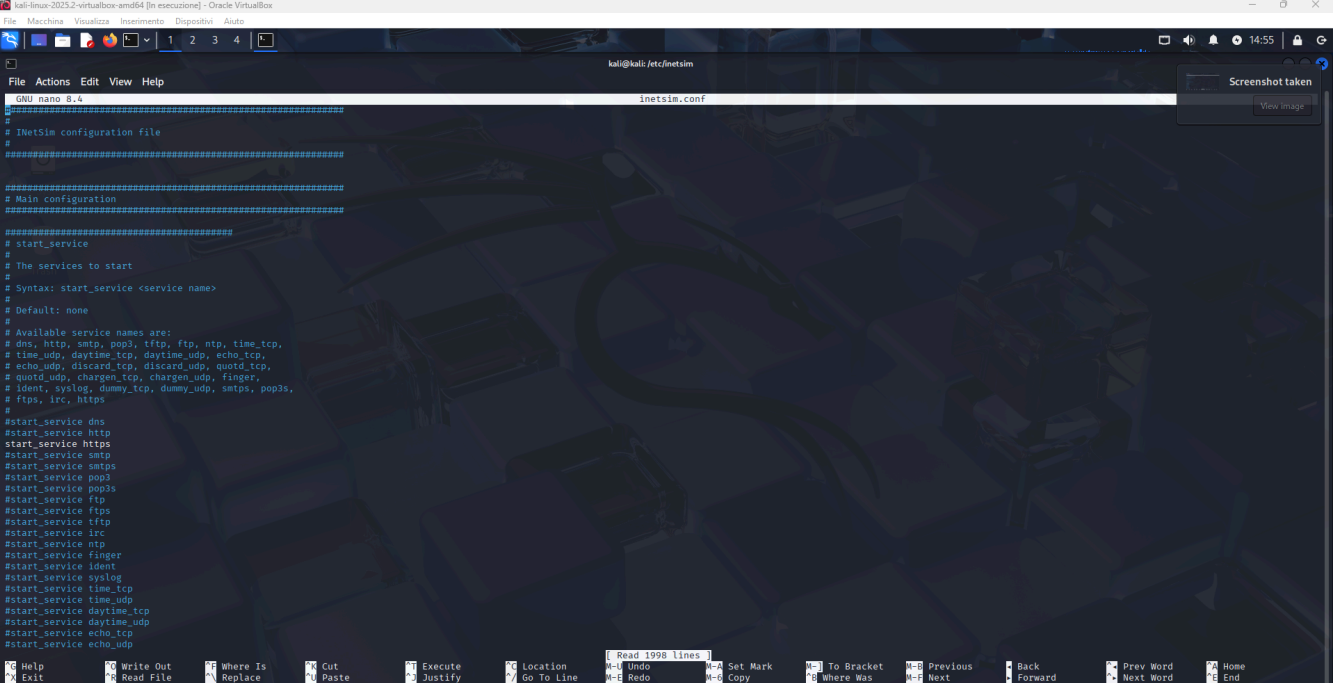
in queste pagine ho selezionato qualsiasi ping, operazione consenti la connessione poi profilo e infine ho dato un nome alla nuova regola.



la nuova regola è stata inserita con successo.



ho acceso la macchina kali e ho effettuato un ping verso la macchina windows e si vede che i pacchetti sono stati consegnati.



The screenshot shows a Kali Linux terminal window titled "kali-linux-2023.2-virtualbox-amd64 [in esecuzione] - Oracle VM VirtualBox". The terminal is running the nano text editor, editing the file "inetsim.conf". The file content is as follows:

```
GNU nano 8.4 inetsim.conf
#
# Inetsim configuration file
#
#####
# Main configuration
#####
# start_service
#
# The services to start
#
# Syntax: start_service <service name>
#
# Default: none
#
# Available service names are:
# dns, http, smtp, pop3, tftp, ftp, ntp, time_tcp,
# time_udp, daytime_tcp, daytime_udp, echo_tcp,
# echo_udp, discard_tcp, discard_udp, quotd_tcp,
# quotd_udp, chargen_tcp, chargen_udp, finger,
# ident, syslog, dummy_tcp, dummy_udp, smtps, pop3s,
# fips, 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
```

The terminal window has a menu bar with "File", "Actions", "Edit", "View", and "Help". The status bar at the bottom shows various keyboard shortcuts for editing and navigation. A "Screenshot taken" dialog box is visible in the top right corner.

adesso per la seconda parte dell'esercizio, ho modificato il file di configurazione di inetsim lasciando abilitato solamente il servizio HTTPS.



```
kali-linux-2025.2-virtualbox-amd64 [In esecuzione] - Oracle VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto

kali@kali: /e
File Actions Edit View Help
* https_443_tcp - started (PID 260858)

done.
Simulation running.
^C * https_443_tcp - stopped (PID 260858)
* http_80_tcp - stopped (PID 260857)
* http_80_tcp - stopped (PID 260857)
Simulation stopped.
Report written to '/var/log/inetsim/report/report.260855.txt' (12 lines)
== INetSim main process stopped (PID 260855) ==
.

(kali@kali)-[/etc/inetsim]
$

(kali@kali)-[/etc/inetsim]
$

(kali@kali)-[/etc/inetsim]
$ sudo nano inetsim.conf

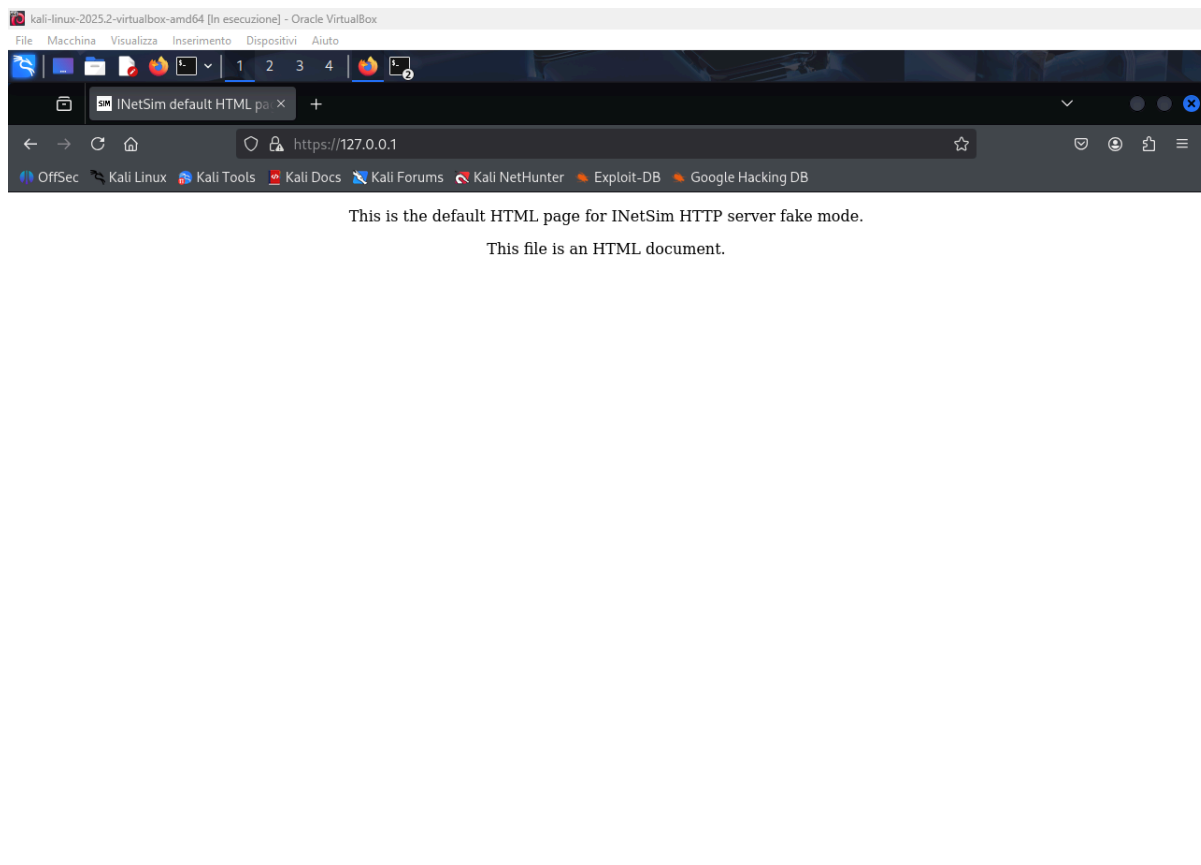
(kali@kali)-[/etc/inetsim]
$

(kali@kali)-[/etc/inetsim]
$

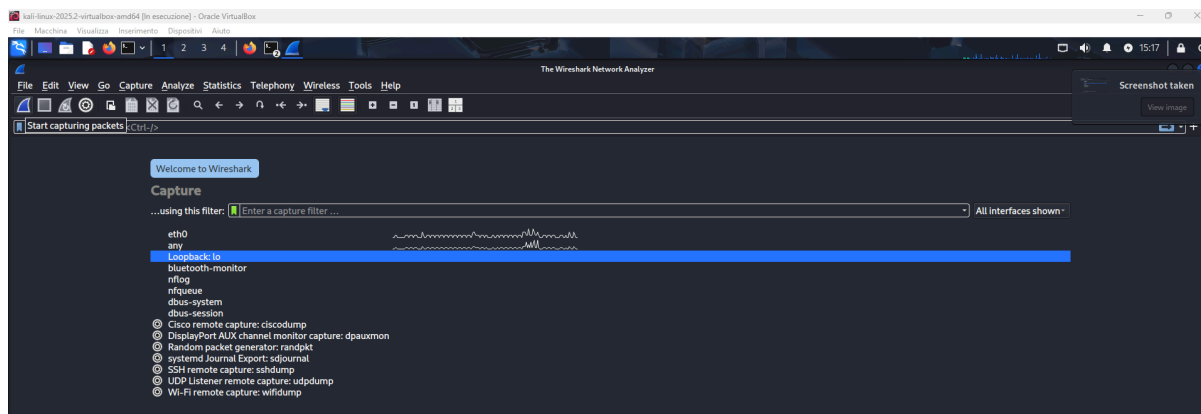
(kali@kali)-[/etc/inetsim]
$ ps aux | grep inetsim
kali      261825  0.0  0.1  6528  2252 pts/0    S+   15:01   0:00 grep --color=auto inetsim

(kali@kali)-[/etc/inetsim]
$ sudo 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 262234) ==
Session ID:    262234
Listening on:  127.0.0.1
Real Date/Time: 2025-07-15 15:01:48
Fake Date/Time: 2025-07-15 15:01:48 (Delta: 0 seconds)
Forking services ...
* https_443_tcp - started (PID 262238)
done.
Simulation running.
```

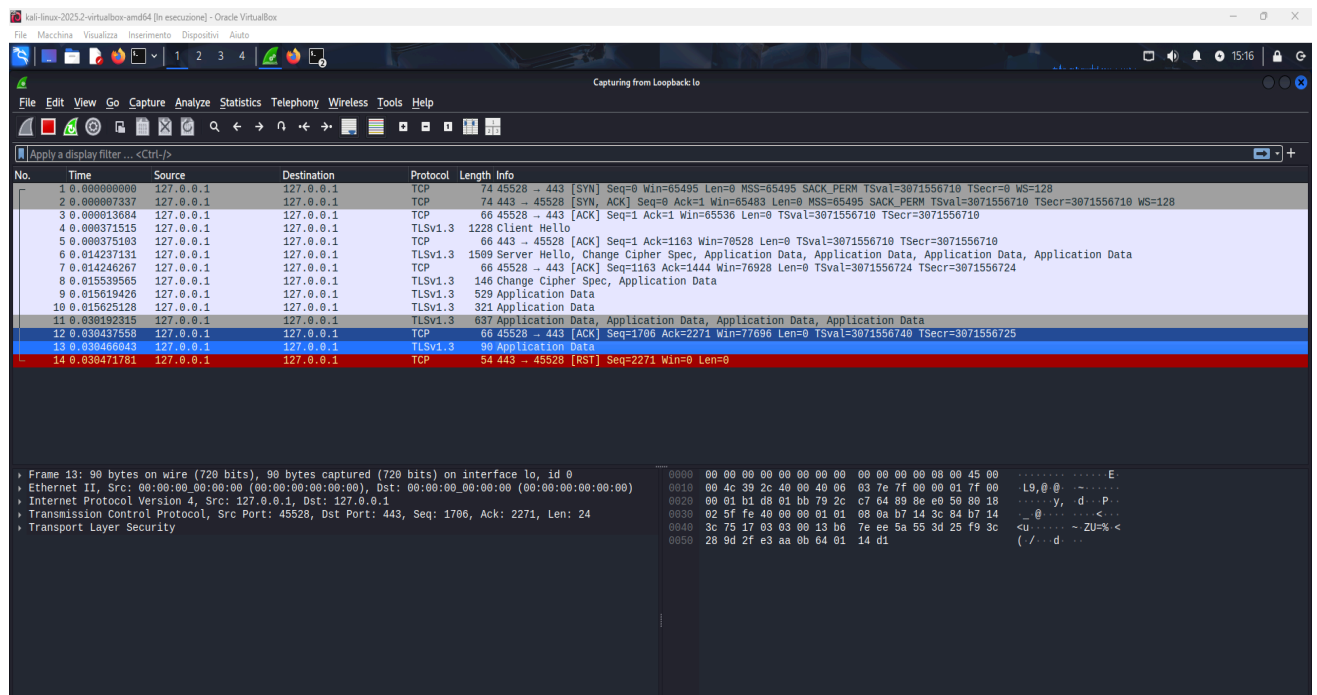
a questo punto ho avviato inetsim



avviando il browser web di kali ho interrogato il servizio HTTPS locale e questo mi ha risposto correttamente

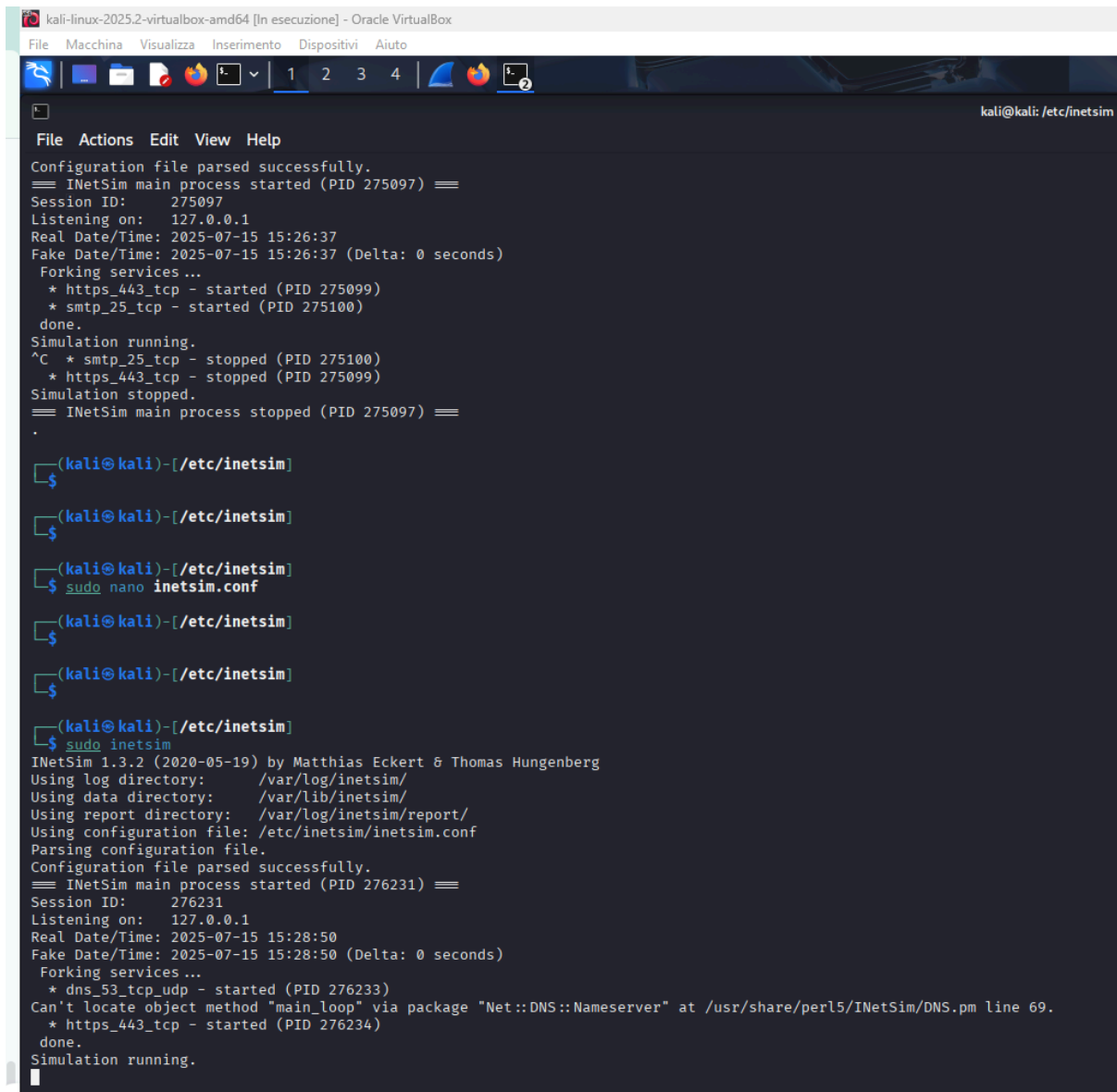


Ho avviato wireshark e l'ho impostato per ascoltare sulla interfaccia di loopback



Appena avviata la cattura e ricaricata la pagina web ho individuato il traffico e il tree-way-handshake

## FACOLTATIVO



```
kali-linux-2025.2-virtualbox-amd64 [In esecuzione] - Oracle VirtualBox
File Macchina Visualizza Inserimento Dispositivi Aiuto

kali@kali: /etc/inetsim

File Actions Edit View Help
Configuration file parsed successfully.
== INetSim main process started (PID 275097) ==
Session ID: 275097
Listening on: 127.0.0.1
Real Date/Time: 2025-07-15 15:26:37
Fake Date/Time: 2025-07-15 15:26:37 (Delta: 0 seconds)
Forking services ...
* https_443_tcp - started (PID 275099)
* smtp_25_tcp - started (PID 275100)
done.
Simulation running.
^C * smtp_25_tcp - stopped (PID 275100)
* https_443_tcp - stopped (PID 275099)
Simulation stopped.
== INetSim main process stopped (PID 275097) ==

(kali@kali)-[/etc/inetsim]
$

(kali@kali)-[/etc/inetsim]
$

(kali@kali)-[/etc/inetsim]
$ sudo nano inetsim.conf

(kali@kali)-[/etc/inetsim]
$

(kali@kali)-[/etc/inetsim]
$

(kali@kali)-[/etc/inetsim]
$ sudo 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 276231) ==
Session ID: 276231
Listening on: 127.0.0.1
Real Date/Time: 2025-07-15 15:28:50
Fake Date/Time: 2025-07-15 15:28:50 (Delta: 0 seconds)
Forking services ...
* dns_53_tcp_udp - started (PID 276233)
Can't locate object method "main_loop" via package "Net::DNS::Nameserver" at /usr/share/perl5/INetSim/DNS.pm line 69.
* https_443_tcp - started (PID 276234)
done.
Simulation running.
```

Come servizio aggiuntivo ho abilitato il servizio DNS

