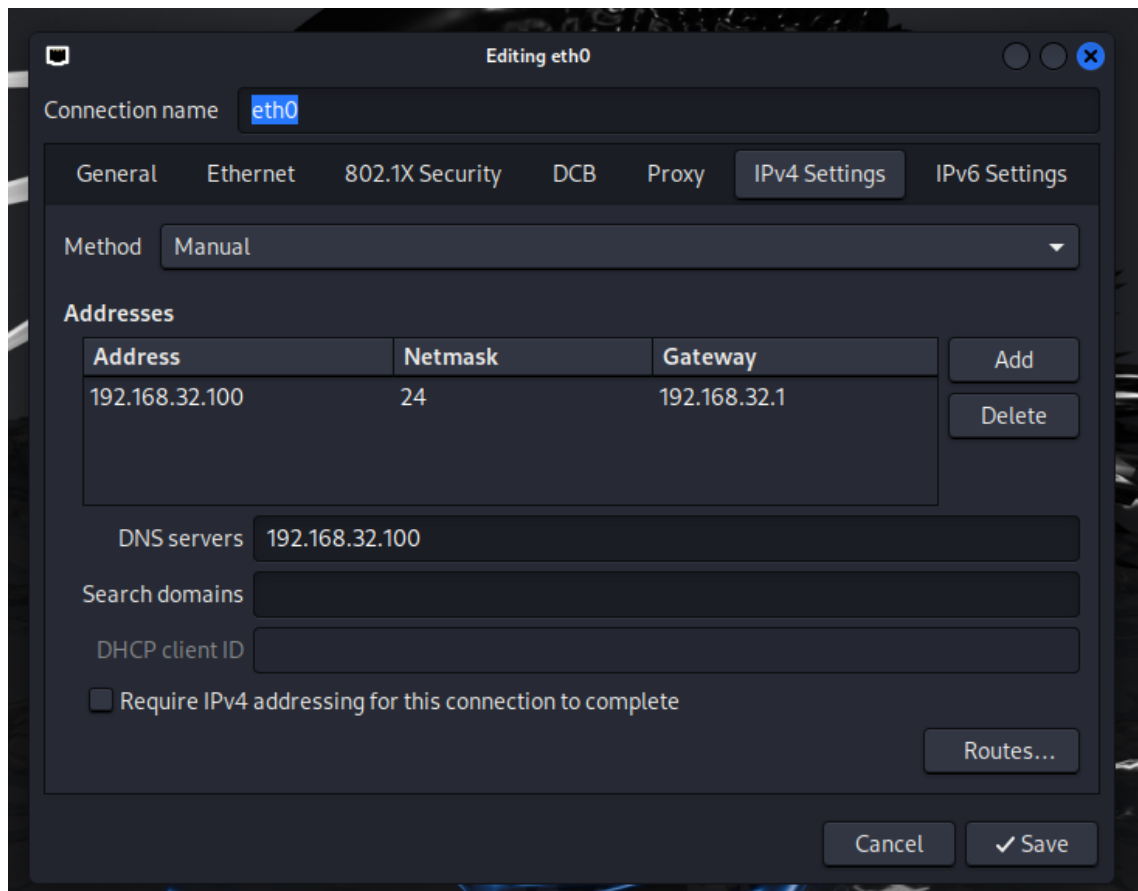
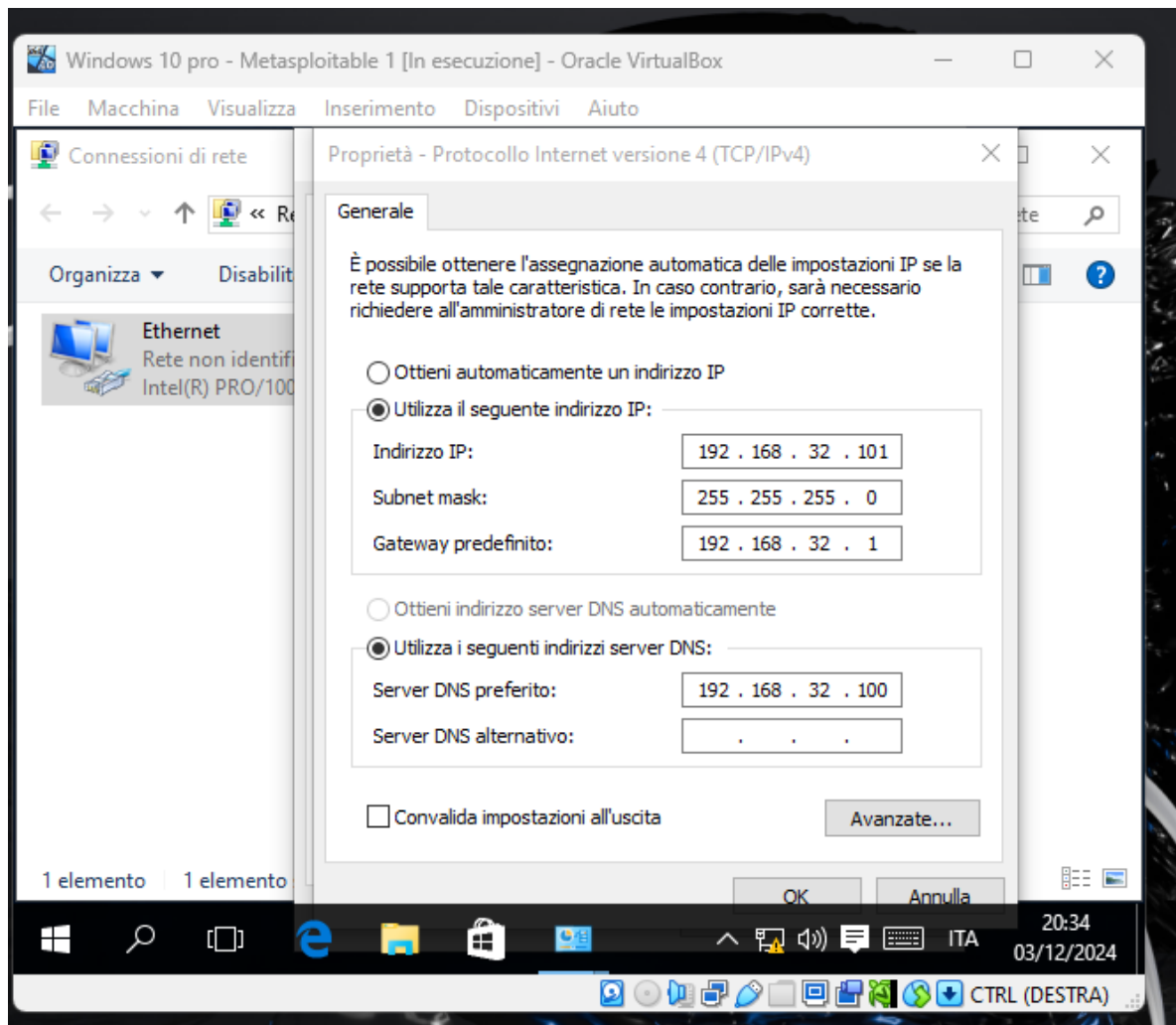


Report Progetto Finale (W4D4)

1. Configurazione dell'ambiente

Ho configurato l'ambiente di laboratorio come richiesto:





```
File Actions Edit View Help
GNU nano 8.1
# Include all files in a directory which end in .conf
#conf-dir=/etc/dnsmasq.d/,*.conf

# If a DHCP client claims that its name is "wpad", ignore that.
# This fixes a security hole. see CERT Vulnerability VU#598349
#dhcp-name-match=set:wpad-ignore,wpad
#dhcp-ignore-names=tag:wpad-ignore
interface=eth0
listen-address=192.168.32.100
bind-interfaces
address=/epicode.internal/192.168.32.100

# Routed (external) DNS Servers
server=192.168.32.100
server=192.168.32.100
server=192.168.32.100

# send any host to 'openinfra.lan' to the specified server
address=/epicode.internal.com/192.168.32.100

# Interfaces where dnsmasq must listen
listen-address=127.0.0.1
listen-address=192.168.32.100

# bind all interfaces
bind-interfaces

# end-of-file
```

Dal prompt dei comandi di Linux ho Pingato l'IP e il Nameserver:

```
File Actions Edit View Help
(kali@kali)-[~]
$ ping 192.168.32.100
PING 192.168.32.100 (192.168.32.100) 56(84) bytes of data.
64 bytes from 192.168.32.100: icmp_seq=1 ttl=64 time=0.025 ms
64 bytes from 192.168.32.100: icmp_seq=2 ttl=64 time=0.048 ms
64 bytes from 192.168.32.100: icmp_seq=3 ttl=64 time=0.036 ms
64 bytes from 192.168.32.100: icmp_seq=4 ttl=64 time=0.126 ms
64 bytes from 192.168.32.100: icmp_seq=5 ttl=64 time=0.047 ms
64 bytes from 192.168.32.100: icmp_seq=6 ttl=64 time=0.057 ms
64 bytes from 192.168.32.100: icmp_seq=7 ttl=64 time=0.052 ms
64 bytes from 192.168.32.100: icmp_seq=8 ttl=64 time=0.049 ms
64 bytes from 192.168.32.100: icmp_seq=9 ttl=64 time=0.042 ms
^C
— 192.168.32.100 ping statistics —
9 packets transmitted, 9 received, 0% packet loss, time 8174ms
rtt min/avg/max/mdev = 0.025/0.053/0.126/0.027 ms

(kali@kali)-[~]
$ ping epicode.internal
PING epicode.internal (192.168.32.100) 56(84) bytes of data.
64 bytes from epicode.internal (192.168.32.100): icmp_seq=1 ttl=64 time=0.021 ms
64 bytes from epicode.internal (192.168.32.100): icmp_seq=2 ttl=64 time=0.049 ms
64 bytes from epicode.internal (192.168.32.100): icmp_seq=3 ttl=64 time=0.040 ms
64 bytes from epicode.internal (192.168.32.100): icmp_seq=4 ttl=64 time=0.038 ms
^C
— epicode.internal ping statistics —
4 packets transmitted, 4 received, 0% packet loss, time 3129ms
rtt min/avg/max/mdev = 0.021/0.037/0.049/0.010 ms

(kali@kali)-[~]
$
```

Dal Prompt dei comandi di Windows ho pingato l'IP e il Nameserver:

```
Prompt dei comandi
Microsoft Windows [Versione 10.0.10240]
(c) 2015 Microsoft Corporation. Tutti i diritti sono riservati.

C:\Users\user>ping 192.168.32.100

Esecuzione di Ping 192.168.32.100 con 32 byte di dati:
Risposta da 192.168.32.100: byte=32 durata<1ms TTL=64
Risposta da 192.168.32.100: byte=32 durata<1ms TTL=64
Risposta da 192.168.32.100: byte=32 durata<1ms TTL=64
Risposta da 192.168.32.100: byte=32 durata<1ms TTL=64

Statistiche Ping per 192.168.32.100:
    Pacchetti: Trasmessi = 4, Ricevuti = 4,
    Persi = 0 (0% persi),
    Tempo approssimativo percorsi andata/ritorno in millisecondi:
        Minimo = 0ms, Massimo = 0ms, Medio = 0ms

C:\Users\user>ping epicode.internal
Impossibile trovare l'host epicode.internal. Verificare che il nome sia corretto e riprovare.

C:\Users\user>
```

```
(kali@kali)-[~]  
$ 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 14324) ==  
Session ID: 14324  
Listening on: 192.168.32.100  
Real Date/Time: 2024-12-03 14:49:22  
Fake Date/Time: 2024-12-03 14:49:22 (Delta: 0 seconds)  
Forking services ...  
* dns_53_tcp_udp - started (PID 14326)  
deprecated method; prefer start_server() at /usr/share/perl5/INetSim/DNS.pm line 69.  
Attempt to start Net::DNS::Nameserver in a subprocess at /usr/share/perl5/INetSim/DNS.pm line 69.  
* http_80_tcp - started (PID 14327)  
* https_443_tcp - started (PID 14328)  
done.  
Simulation running.  
█
```