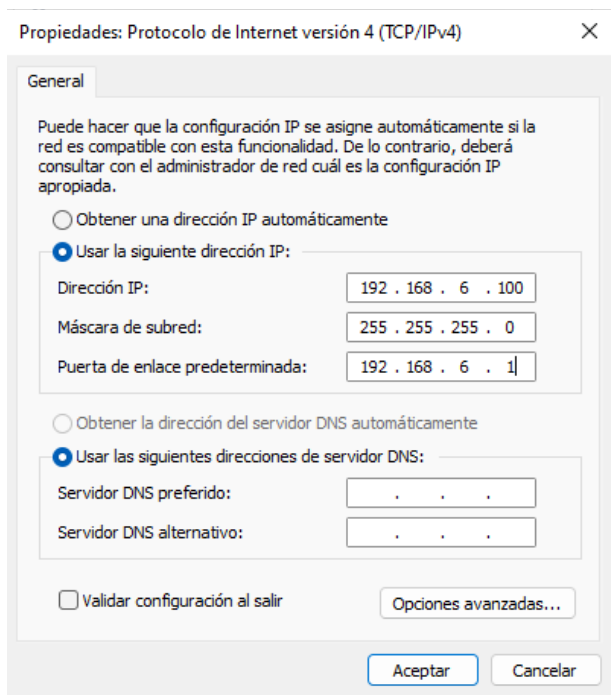
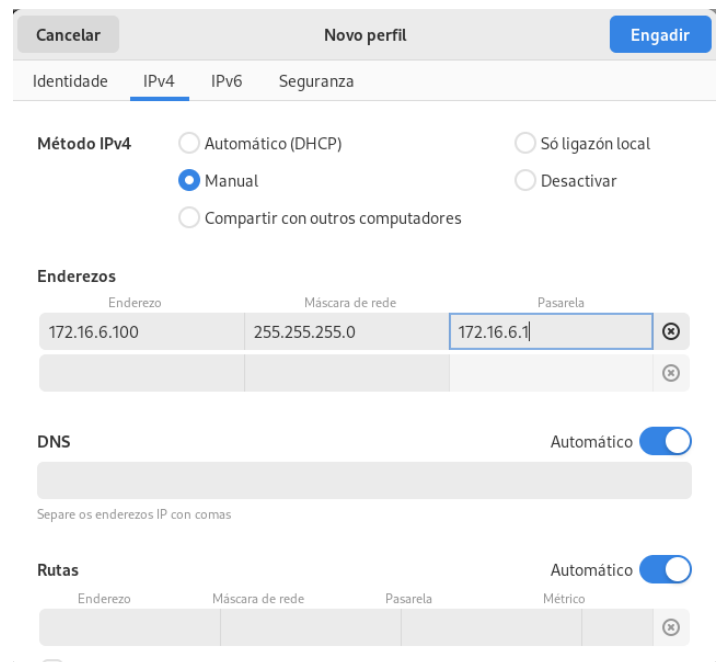


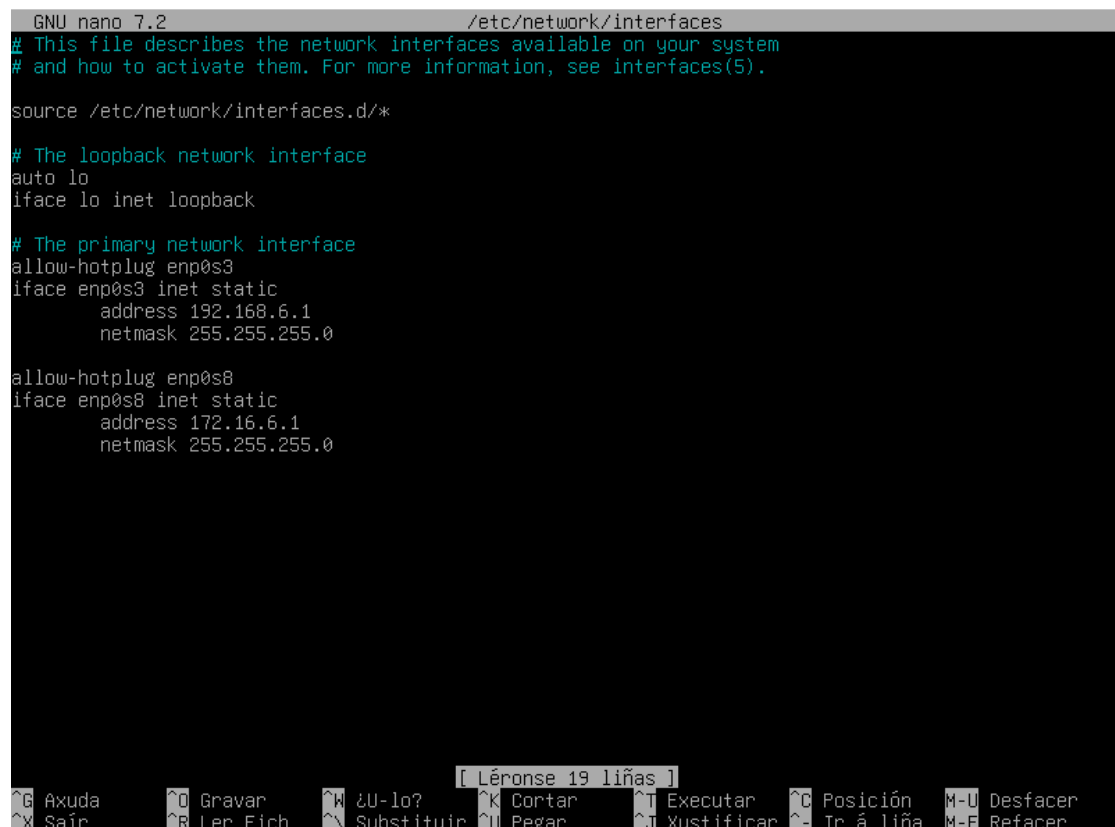
· Configuración Windows:



· Configuración do Linux:



· Configuración do router



- Engadimos o ficheiro “net.ipv4.ip_forward” ao arquivo → /etc/sysctl.conf

```
GNU nano 7.2 /etc/sysctl.conf
# security of the host and prevent against some network attacks
# including spoofing attacks and man in the middle attacks through
# redirection. Some network environments, however, require that these
# settings are disabled so review and enable them as needed.
#
# Do not accept ICMP redirects (prevent MITM attacks)
#net.ipv4.conf.all.accept_redirects = 0
#net.ipv6.conf.all.accept_redirects = 0
# _or_
# Accept ICMP redirects only for gateways listed in our default
# gateway list (enabled by default)
# net.ipv4.conf.all.secure_redirects = 1
#
# Do not send ICMP redirects (we are not a router)
#net.ipv4.conf.all.send_redirects = 0
#
# Do not accept IP source route packets (we are not a router)
#net.ipv4.conf.all.accept_source_route = 0
#net.ipv6.conf.all.accept_source_route = 0
#
# Log Martian Packets
#net.ipv4.conf.all.log_martians = 1
#
#####
# Magic system request Key
# 0=disable, 1=enable all, >1 bitmask of sysrq functions
# See https://www.kernel.org/doc/html/latest/admin-guide/sysrq.html
# for what other values do
#kernel.sysrq=438

net.ipv4.ip_forward=1

[ Graváronse 69 liñas ]
^G Axuda      ^O Gravar     ^W ¿U-lo?     ^K Cortar    ^T Executar  ^C Posición  M-U Desfacer
^X Saír       ^R Ler Fich  ^N Substituír ^U Pegar     ^J Xustificar ^_ Ir á liña  M-E Refacer
```

·PINGS

a) Windows – Router

```
PS C:\Users\Alumno> ping 192.168.6.1

Haciendo ping a 192.168.6.1 con 32 bytes de datos:
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64

Estadísticas de ping para 192.168.6.1:
    Paquetes: enviados = 4, recibidos = 4, perdidos = 0
    (0% perdidos),
    Tiempos aproximados de ida y vuelta en milisegundos:
        Mínimo = 0ms, Máximo = 0ms, Media = 0ms
PS C:\Users\Alumno>
```

b) Linux – Router

```
root@debian:/home/alumno# ping 172.16.6.1
PING 172.16.6.1 (172.16.6.1) 56(84) bytes of data.
64 bytes from 172.16.6.1: icmp_seq=1 ttl=64 time=0.339 ms
64 bytes from 172.16.6.1: icmp_seq=2 ttl=64 time=0.639 ms
64 bytes from 172.16.6.1: icmp_seq=3 ttl=64 time=0.390 ms
64 bytes from 172.16.6.1: icmp_seq=4 ttl=64 time=0.350 ms
64 bytes from 172.16.6.1: icmp_seq=5 ttl=64 time=0.605 ms
^C
--- 172.16.6.1 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4107ms
rtt min/avg/max/mdev = 0.339/0.464/0.639/0.130 ms
root@debian:/home/alumno#
```

c) Windows – Linux

```
PS C:\Users\Alumno> ping 192.168.6.1

Haciendo ping a 192.168.6.1 con 32 bytes de datos:
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.6.1: bytes=32 tiempo<1m TTL=64

Estadísticas de ping para 192.168.6.1:
    Paquetes: enviados = 4, recibidos = 4, perdidos = 0
    (0% perdidos),
    Tiempos aproximados de ida y vuelta en milisegundos:
        Mínimo = 0ms, Máximo = 0ms, Media = 0ms
PS C:\Users\Alumno> ^C
PS C:\Users\Alumno> _
```

d) Linux - Windows

```
root@debian:/home/alumno# ping 172.16.6.1
PING 172.16.6.1 (172.16.6.1) 56(84) bytes of data.
64 bytes from 172.16.6.1: icmp_seq=1 ttl=64 time=0.310 ms
64 bytes from 172.16.6.1: icmp_seq=2 ttl=64 time=0.412 ms
64 bytes from 172.16.6.1: icmp_seq=3 ttl=64 time=0.218 ms
64 bytes from 172.16.6.1: icmp_seq=4 ttl=64 time=0.380 ms
^C
--- 172.16.6.1 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3064ms
rtt min/avg/max/mdev = 0.218/0.330/0.412/0.074 ms
root@debian:/home/alumno# █
```