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# Creacio de xarxes

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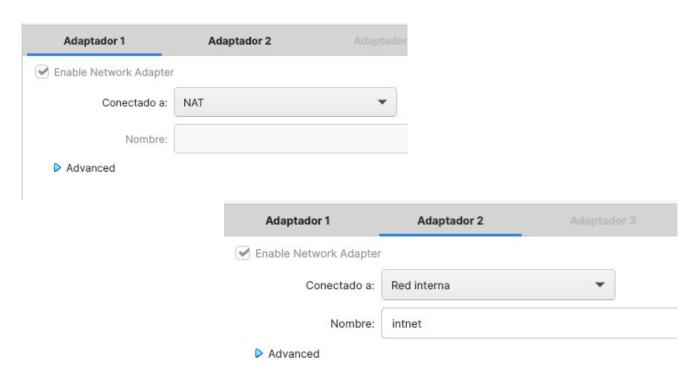
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## **Configuracions de VirtualBox**

## **Servidor**



## Client







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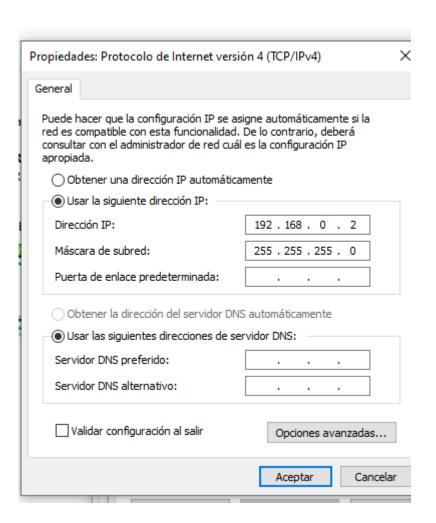
## Configuracio de xarxa

#### Servidor

```
GNU nano 6.2 /etc/netplan/00-installer-config.yaml

# This is the network config written by 'subiquity'
network:
   ethernets:
   enp0s3:
      dhcp4: true
   enp0s8:
      addresses: [192.168.0.1/24]
   version: 2
```

#### Client







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#### **Enrutament**

```
# Set the default output policy to ACCEPT
# you change this you will most likely wa
DEFAULT_OUTPUT_POLICY="ACCEPT"

# Set the default forward policy to ACCEP
# if you change this you will most likely
DEFAULT_FORWARD_POLICY="ACCEPT"

# Set the default application policy to A
# note that setting this to ACCEPT may be
```

```
# Uncomment the next line to
net.ipv4.ip_forward=1
# Uncomment the next line to
```

```
#

*nat
:POSTROUTING ACCEPT [0:0]
-A POSTROUTING -s 192.168.0.0/24 -o enp0s3 -j MASQUERADE
COMMIT
# Don't delete these required lines, otherwise there will be erro
*filter
:ufw-before-input - [0:0]
```

```
joel@SerCom31:~$ sudo iptables –t nat –L
Chain PREROUTING (policy ACCEPT)
                                         destination
target
          prot opt source
Chain INPUT (policy ACCEPT)
                                         destination
target
         prot opt source
Chain OUTPUT (policy ACCEPT)
                                         destination
target
          prot opt source
Chain POSTROUTING (policy ACCEPT)
target
        prot opt source
                                         destination
MASQUERADE all -- 192.168.0.0/24
                                          anywhere
joel@SerCom31:~$ _
```





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## **Pings**

## Per comprobar que la xarxa esta configura

#### Client

```
Microsoft Windows [Versión 10.0.19045.2006]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\Joel>ping 192.168.0.1

Haciendo ping a 192.168.0.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.0.1: bytes=32 tie
```

#### Servidor

```
joel@SerCom31:~$ ping 192.168.0.2
PING 192.168.0.2 (192.168.0.2) 56(84) bytes of data.
54 bytes from 192.168.0.2: icmp_seq=1 ttl=128 time=0.326 ms
54 bytes from 192.168.0.2: icmp_seq=2 ttl=128 time=0.592 ms
54 bytes from 192.168.0.2: icmp_seq=3 ttl=128 time=0.586 ms
^C
--- 192.168.0.2 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2026ms
^tt min/avg/max/mdev = 0.326/0.501/0.592/0.124 ms
joel@SerCom31:~$ _
```