# M01: PRÀCTICA FERRETERIA

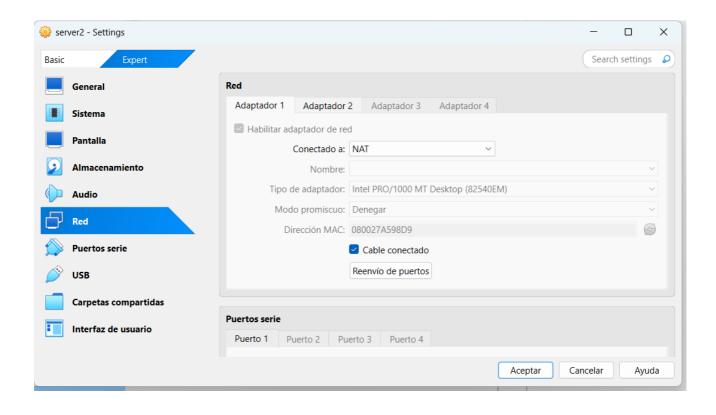
Fes les següents captures de pantalla [CSXX] per tal de comprovar el funcionament de la pràctica.

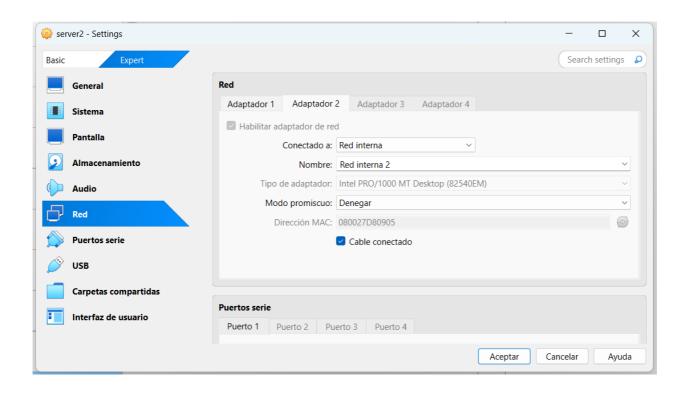
# 1. Taula amb les assignacions de les ips associades a cadascuna de les màquines

Dispossitiu	Interface	IP	Màscara	Gateway
R1	enp0s8	10.10.100.162	/28	10.10.100.161
R2	enp0s8	10.10.100.161	/28	
R1	enp0s3	10.10.100.129	/27	
PC1	enp0s3	10.10.100.130	/27	10.10.100.129
R2	enp0s3 NAT	DHCP	DHCP	DHCP

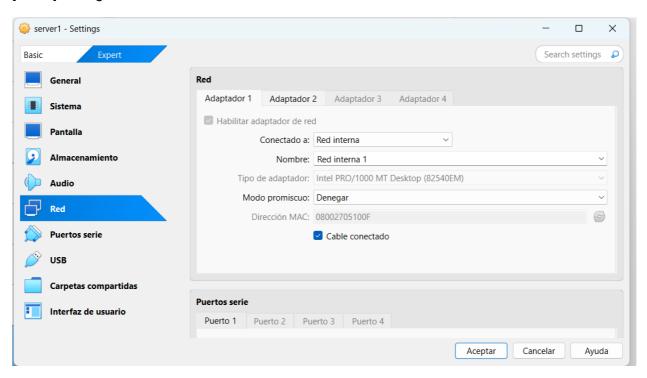
#### 2. Interfaces de xarxa de VirtualBox

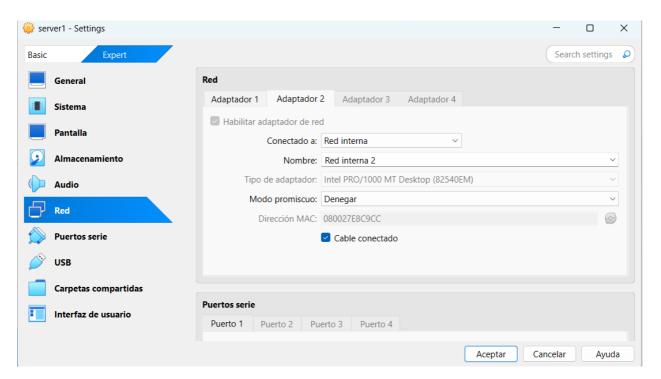
#### [CS01] Configuració dels interfaces de R2 a VirtualBox



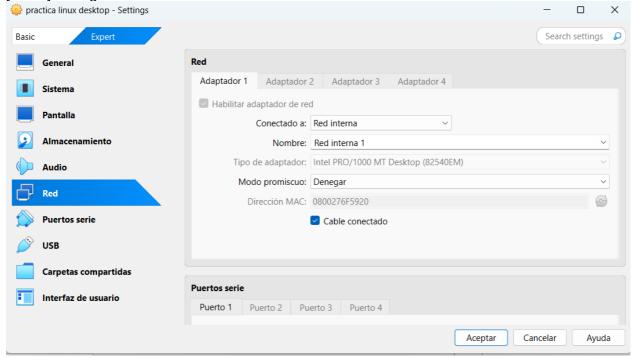


#### [CS02] Configuració dels interfaces de R1 a VirtualBox





[CS03] Configuració dels interfaces de PC1 a VirtualBox



## 3. Configuració de la xarxa

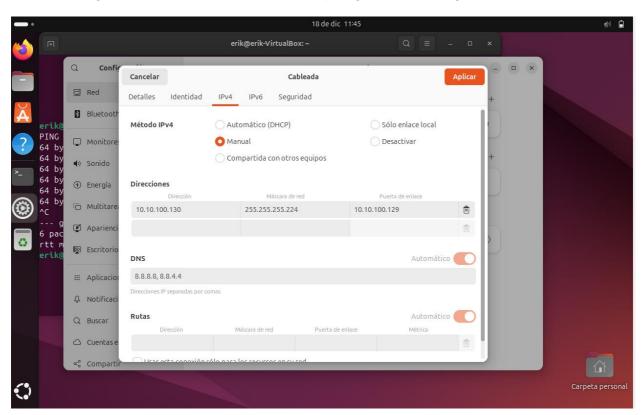
#### [CS04] Fitxer de configuració de xarxa de R2

```
This file is generated from information provided by the datasource. Changes
to it will not persist across an instance reboot. To disable cloud-init's
to it will not persist across an instance reboot. To disable cloud-init network configuration capabilities, write a file /etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
etwork
 ethernets:
    enp0s8:
       addresses:
           - 10.10.100.161/28
       routes
          - to: 10.10.100.128/27
            via: 10.10.100.162
    enp0s3:
       dhcp4: false
       addresses:
          - 10.0.2.100/24
       nameservers:
          addresses: [8.8.8.8, 8.8.4.4]
       routes:
            to: default
            via: 10.0.2.2
 version: 2
```

#### [CS05] Fitxer de configuració de xarxa de R1

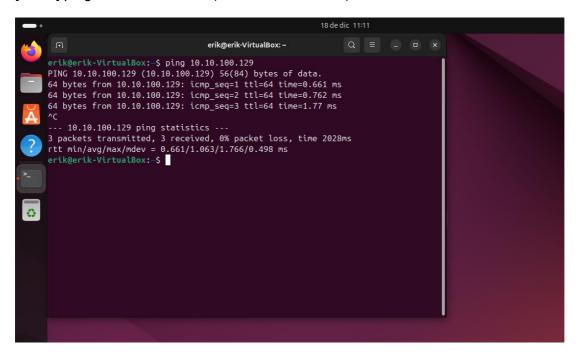
```
This file is generated from information provided by the datasource. Changes
to it will not persist across an instance reboot.
                                                   To disable cloud-init's
network configuration capabilities, write a file
/etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
network: {config: disabled}
ethernets:
  enp0s8:
    dhcp4: false
    addresses
      - 10.10.100.162/28
    routes
       to: default
        via: 10.10.100.161
    nameservers
        addresses: [8.8.8.8, 8.8.4.4]
  enp0s3:
      dhcp4: false
      addresses:
        - 10.10.100.129/27
```

#### [CS06] Configuració de xarxa de PC1 (desde la part gràfica de configuració de xarxa)

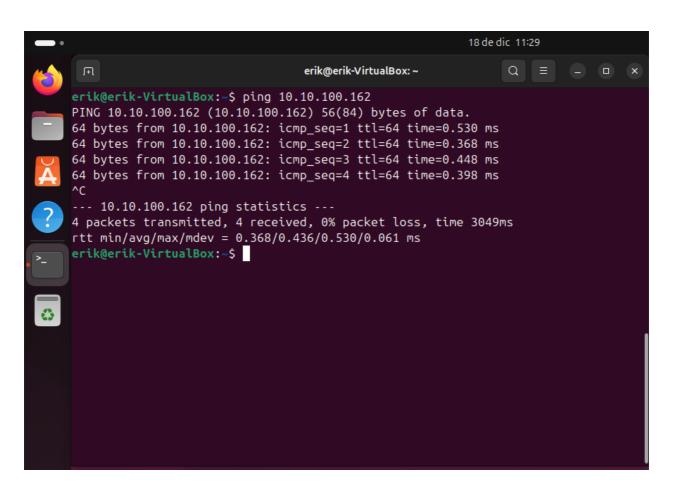


### 4. Comprovació de la connectivitat de xarxa

[CS07] ping des de PC1 a R1 (interface de xarxa 1)



[CS08] ping des de PC1 a R1 (interface de xarxa 2)



#### [CS09] ping des de PC1 a R2 (interface de xarxa 2)

```
erik@erik-VirtualBox:-$ ping 10.10.100.161

PING 10.10.100.161 (10.10.100.161) 56(84) bytes of data.

64 bytes from 10.10.100.161: icmp_seq=1 ttl=63 time=2.78 ms

64 bytes from 10.10.100.161: icmp_seq=2 ttl=63 time=2.33 ms

64 bytes from 10.10.100.161: icmp_seq=3 ttl=63 time=1.63 ms

^C

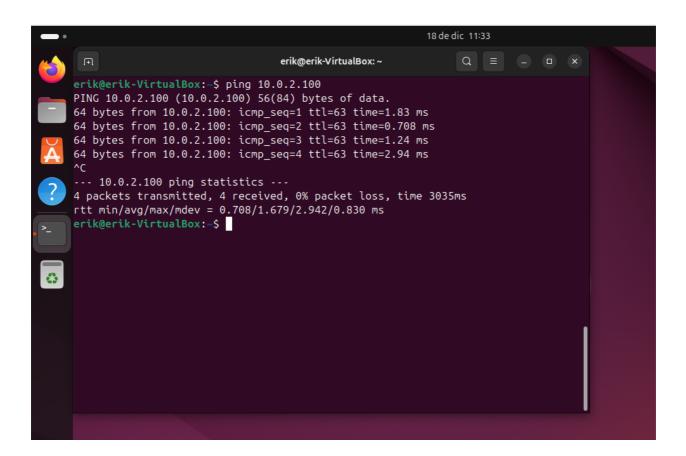
---- 10.10.100.161 ping statistics ---

3 packets transmitted, 3 received, 0% packet loss, time 2004ms

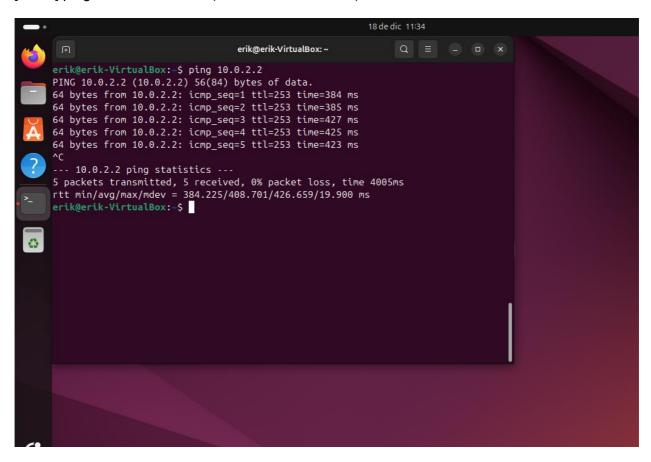
rtt min/avg/max/mdev = 1.628/2.243/2.776/0.472 ms

erik@erik-VirtualBox:-$
```

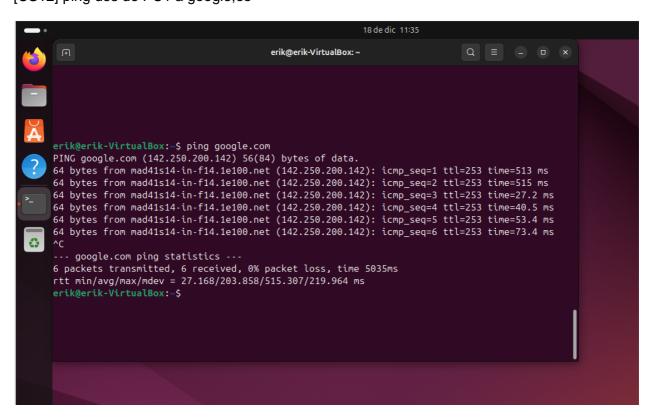
#### [CS10] ping des de PC1 a R2 (interface NAT)



#### [CS11] ping des de PC1 a R1 (Router de VirtualBox )



#### [CS12] ping des de PC1 a google, es



#### [CS13] mtr des de PC1 a google.es

