
FOG Server:

ManelCC
DAW-1A

Actualicació:

Recomano fer-ho
2 vegades.

```
user@user:~$ apt-get update
Leyendo lista de paquetes... Hecho
E: No se pudo abrir el fichero de bloqueo «/var/lib/apt/lists/lock» - open (13:
  Permiso denegado)
E: No se pudo bloquear el directorio /var/lib/apt/lists/
W: Se produjo un problema al desligar el fichero /var/cache/apt/pkgcache.bin -
  RemoveCaches (13: Permiso denegado)
W: Se produjo un problema al desligar el fichero /var/cache/apt/srcpkgcache.bin
  - RemoveCaches (13: Permiso denegado)
user@user:~$ sudo rm /var/lib/dpkg/lock
[sudo] contraseña para user:
user@user:~$ sudo rm /var/lib/apt/lists/lock
user@user:~$ sudo rm /var/cache/apt/archives/lock
```

```
user@user:~$ sudo apt-get update
Obj:1 http://es.archive.ubuntu.com/ubuntu bionic InRelease
Obj:2 http://es.archive.ubuntu.com/ubuntu bionic-updates InRelease
Obj:3 http://es.archive.ubuntu.com/ubuntu bionic-backports InRelease
Obj:4 http://security.ubuntu.com/ubuntu bionic-security InRelease
Leyendo lista de paquetes... Hecho
user@user:~$ sudo apt-get upgrade
```

Red:

Hem de tindre 1r la interna i després la NAT:



Xarxa

Adaptador 1: Intel PRO/1000 MT Desktop (Xarxa interna, 'red1')

Adaptador 2: Intel PRO/1000 MT Desktop (NAT)

Accedim a netplan i configurem les IPs:

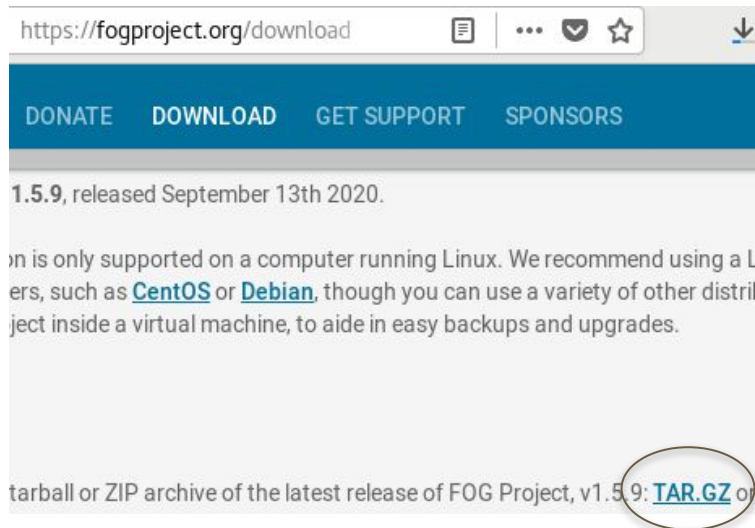
```
GNU nano 4.8 /etc/netplan/01-network-manager-all.yaml
# Let NetworkManager manage all devices on this system
network:
  version: 2
  renderer: NetworkManager
  ethernets:
    enp0s3:
      dhcp4: no
      dhcp6: no
      addresses: [192.168.1.50/24]
      nameservers:
        addresses: [192.168.1.100]
    enp0s8:
      dhcp4: yes
```

I al finalitzar un netplan apply:

```
root@user-VirtualBox:/home/user# netplan apply
root@user-VirtualBox:/home/user#
```

Descarga de paquets:

Descarguem de la p gina fogproject.org el paquet "TAR.GZ" i l'extraiem:



Paquets de FOG:

Ara en la terminal el accedim al arxiu i l'arranquem:

```
root@user-VirtualBox:/home/user# cd Descargas/fogproject-1.5.9/bin/  
root@user-VirtualBox:/home/user/Descargas/fogproject-1.5.9/bin# ./  
error_logs/      installfog.sh  
root@user-VirtualBox:/home/user/Descargas/fogproject-1.5.9/bin# ./i  
nstallfog.sh
```

Ara presionem intro menys en aquests i anyadim el que s'indica:

```
If you are not sure, select No. [y/N] Y  
What network interface would you like to use? enp0s3
```


```
What is the IP address to be used for the router on  
the DHCP server? [10.0.3.2]192.168.1.50
```

```
Would you like DHCP to handle DNS? [Y/n] Y
```

```
* Are you sure you wish to continue (Y/N) Y
```

Pagina FOG:

Ara abans de presionar res hem d'accedir a la pàgina web, si surt la pàgina, en la terminal presiona enter i introduim el usuari indicar:



The screenshot shows the FOG Project login interface. At the top left is a blue circular logo with a white 'F'. To its right is the text 'FOG Project'. Below this is a login form with three fields: 'Username' containing 'fog', 'Password' with masked characters '*****', and 'Language' set to 'English'. A 'Login' button is positioned below the language dropdown. At the bottom of the page, there is a status section with three rows: 'Estimated FOG Sites:' with the value '3556', 'Latest Version:' with '1.5.9', and 'Latest Development Version:' with '1.5.9.59'.

Estimated FOG Sites:	3556
Latest Version:	1.5.9
Latest Development Version:	1.5.9.59

Crear imatge:

Ara crearem la imatge:

Image -> Create new image ->

New Image

Image Name	<input type="text" value="pepe1"/>
Image Description	<div></div>
Storage Group	<div>default - (1)</div>
Operating System	<div>Linux - (50)</div>
Image Path	<div>/images/ pepe1</div>
Image Type ?	<div>Single Disk - Resizable - (1)</div>
Partition	<div>Everything - (1)</div>
Image Enabled	<input checked="" type="checkbox"/>
Replicate?	<input checked="" type="checkbox"/>
Compression	<div><div></div>6</div>
Image Manager	<div>Partclone Zstd</div>
Create Image	<div>Add</div>

Crear host:

Ara crearem un host de l'altre PC, apart hem d'obtenir la MAC de l'altre PC:

Hosts -> Create new host -> I introduim la MAC:

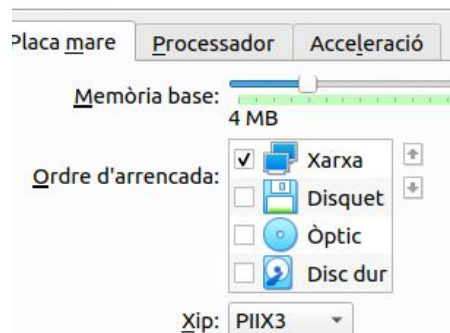
New Host	
Host Name	Host1
Primary MAC	Load MAC Vendors 08:00:27:48:ac:68
Host Description	
Host Product Key	
Host Image	Pepe - (1)

Xarxa			
Adaptador 1	Adaptador 2	Adaptador 3	Adaptador 4
<input checked="" type="checkbox"/> Habilita l'adaptador de xarxa			
Connectat a: Xarxa interna			
Nom: red1			
▼ Avançat			
Tipus d'adaptador: Intel PRO/1000 MT Desktop (82540EM)			
Mode promiscu: Denega			
Adreça MAC: 08002748AC68			
<input checked="" type="checkbox"/> Cable connectat			
Reenviament de ports			

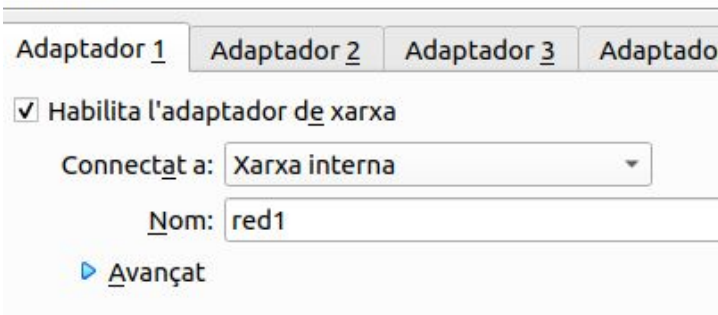
Restauració:

Al nou PC el sistema d'arrencada serà per red i també ha de ser la mateixa red interna:

Sistema



Xarxa



Restauració:

Iniciem la màquina, si surt això i s'inicia el ubuntu, llavors estarà feta:

```
Intel UNDI, PXE-2.1
PXE Software Copyright (C) 1997-2000 Intel Corporation
Copyright (C) 2010-2017 Oracle Corporation

CLIENT MAC ADDR: 08 00 27 48 AC 68  GUID: 9340CDB6-5FB0-4ADE-9C33-2F63EE04BE0D
CLIENT IP: 192.168.1.12  MASK: 255.255.255.0  DHCP IP: 192.168.1.50
GATEWAY IP: 192.168.1.50
PXE->EB: ?PXE at 9DDC:0070, entry point at 9DDC:0104
         UNDI code segment 9DDC:19E5, data segment 9C59:1830 (625-638kB)
         UNDI device is PCI 00:03.0, type DIX+802.3
         577kB free base memory after PXE unload
iPXE initialising devices...ok

iPXE 1.20.1+ (g4bd0) -- Open Source Network Boot Firmware -- http://ipxe.org
Features: DNS FTP HTTP HTTPS iSCSI NFS TFTP ULAN AoE ELF MBOOT PXE bzImage Menu
PXEEXT
Configuring (net0 08:00:27:48:ac:68)..... ok
Received DHCP answer on interface net0
tftp://192.168.1.50/default.ipxe... ok
http://192.168.1.50/fog/service/ipxe/boot.php... ok
```

```
Versió 2.02~beta2-9ubuntu1 del GNU GRUB

*Ubuntu
Opcions avançades de Ubuntu
Memory test (memtest86+)
Memory test (memtest86+, serial console 115200)
```