



TAULA CENTRAL
GRUP 3

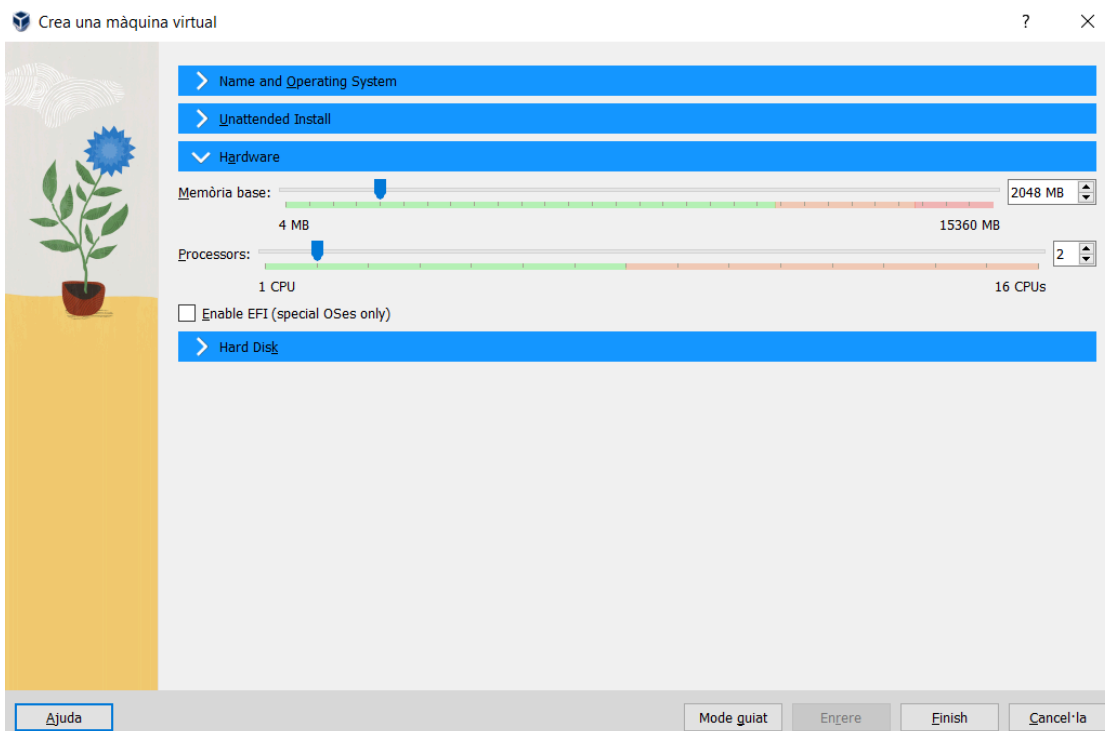
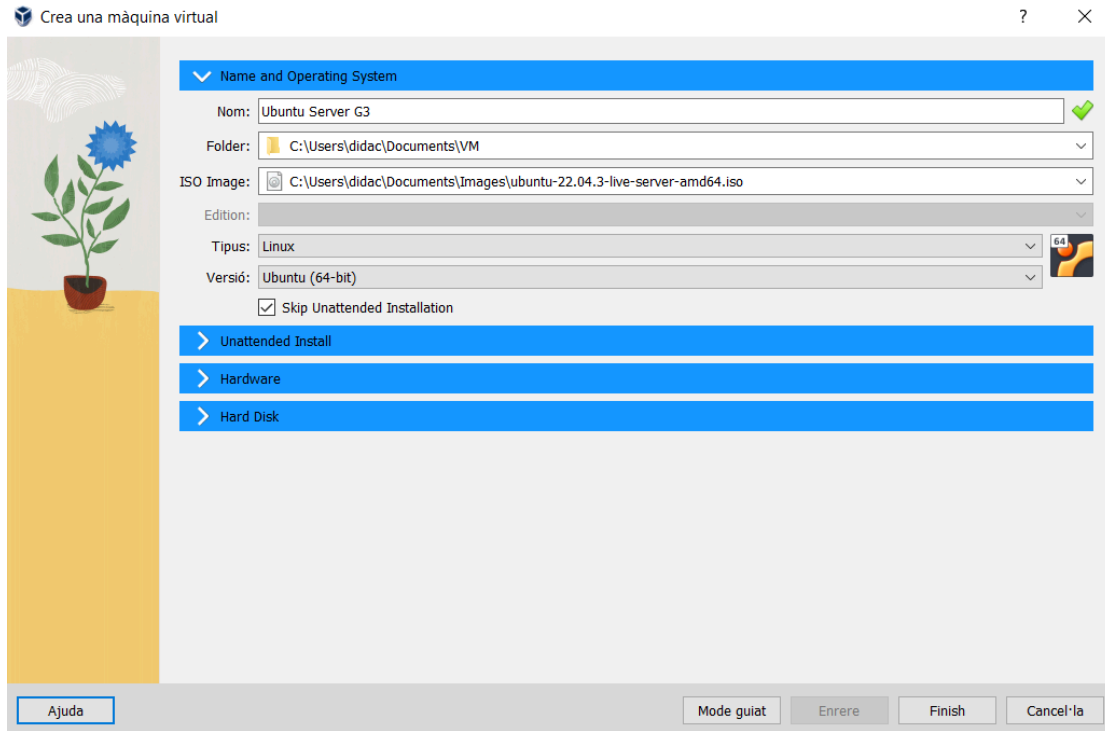
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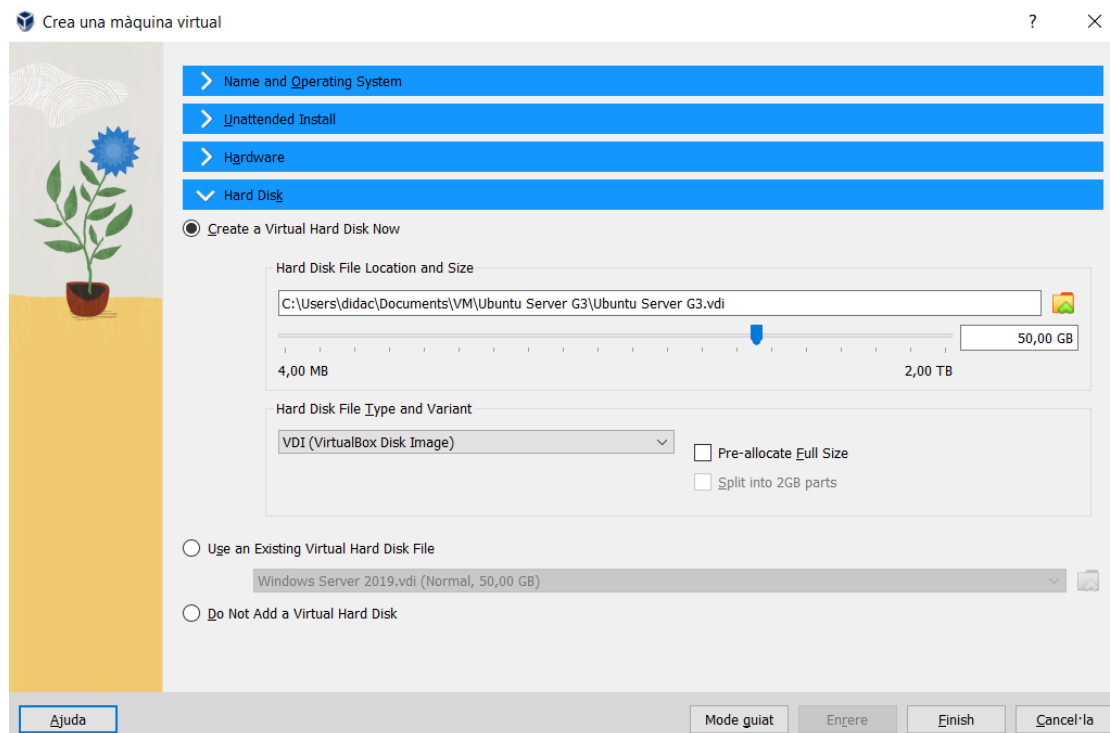
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Creació de la VM

Per començar, hem entrat a **VirtualBox** i iniciat el procés de **creació** d'una **VM** amb els requeriments mencionats del repte.

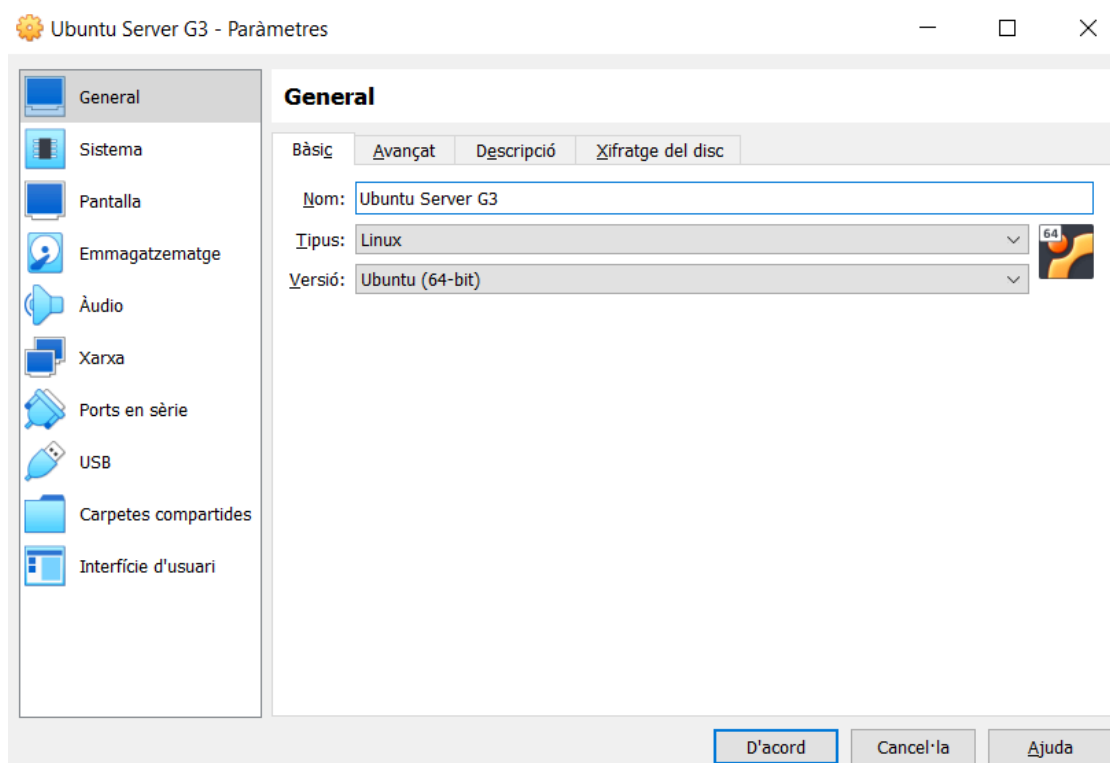




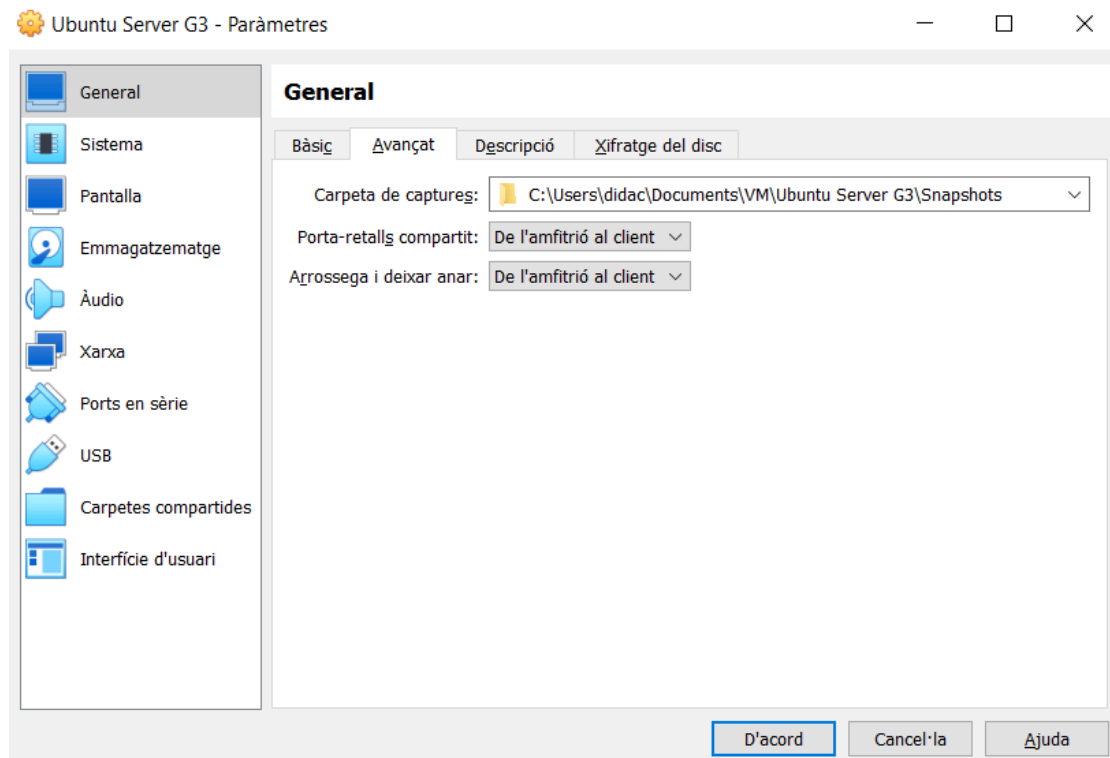
Per finalment **crear-la**.



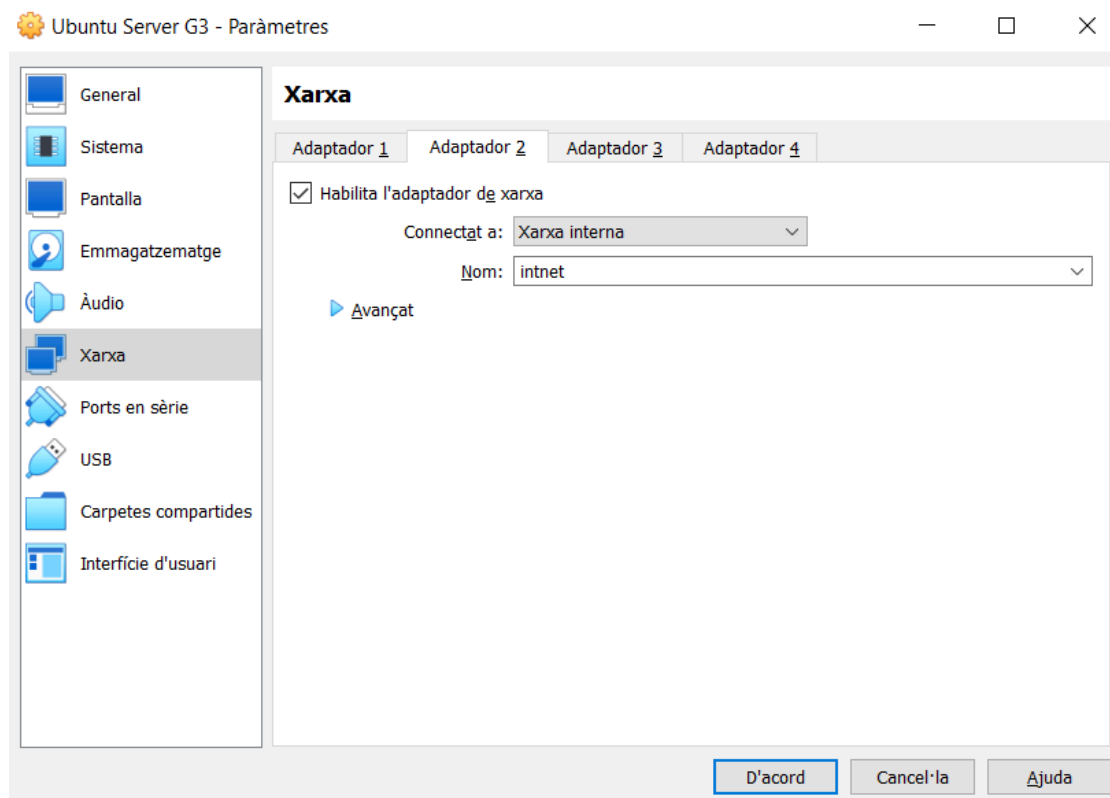
Però encara falten alguns dels requeriments, per tant, **seleccionarem la VM** i farem servir la drecera **Ctrl + S** per obrir la configuració general.



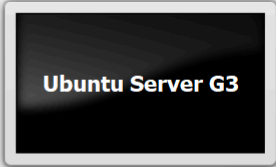
Un cop dins, hem anat a **General > Avançat** i habilitat les opcions de porta-retalls i arrossegar.



Després **Xarxa > Adaptador 2** i l'hem habilitat i seleccionat l'opció de xarxa interna, a part de la que ve per defecte (NAT).



Si s'han seguit **correctament** els **passos** el resum de la VM hauria de ser el següent:

General	Vista prèvia
Norma: Ubuntu Server G3 Sistema operatiu: Ubuntu (64-bit)	
Sistema	
Memòria base: 2048 MB Processadors: 2 Ordre d'arrencada: Disquet, Òptic, Disc dur Acceleració: Paginació niada, Paravirtualització KVM	
Pantalla	
Memòria de vídeo: 16 MB Controlador de gràfics: VMSVGA Servidor d'escriptori remot: Desactivada Enregistrament: Desactivat	
Emmagatzematge	
Controlador: IDE IDE secundari mestre: [Unitat òptica] ubuntu-22.04.3-live-server-amd64.iso (1,99 GB) Controlador: SATA Port SATA 0: Ubuntu Server G3.vdi (Normal, 50,00 GB)	
Àudio	
Controlador amfitrió: Predeterminat Controlador: ICH AC97	
Xarxa	
Adaptador 1: Intel PRO/1000 MT Desktop (NAT) Adaptador 2: Intel PRO/1000 MT Desktop (Xarxa interna, 'intnet')	
USB	
Controlador USB: OHCI, EHCI Filtres de dispositiu: 0 (0 actius)	
Carpetes compartides	
Cap	
Descripció	
Cap	



Creació del Servidor

A continuació, hem **inicialitzat** la VM i **instal·lat** el servidor i el Guest Additions.

```
GNU GRUB version 2.06

*Try or Install Ubuntu Server
Ubuntu Server with the HWE kernel
Test memory

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the commands
before booting or 'c' for a command-line.
```

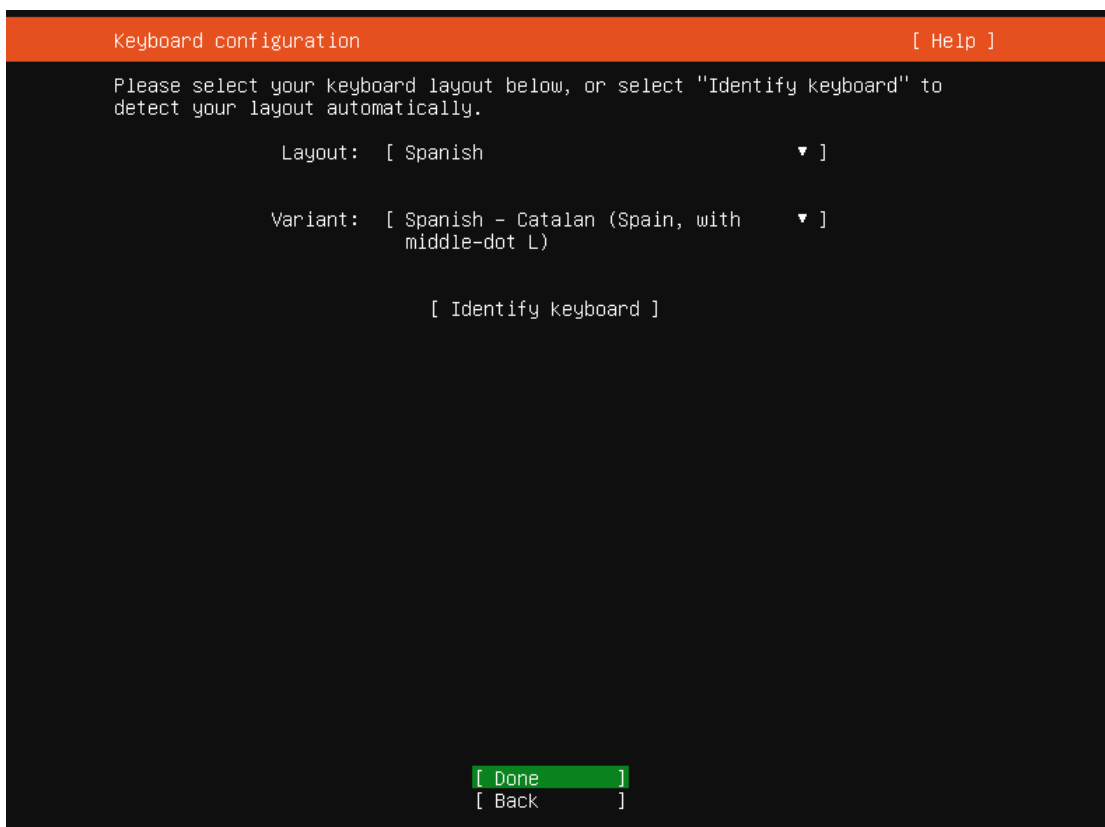
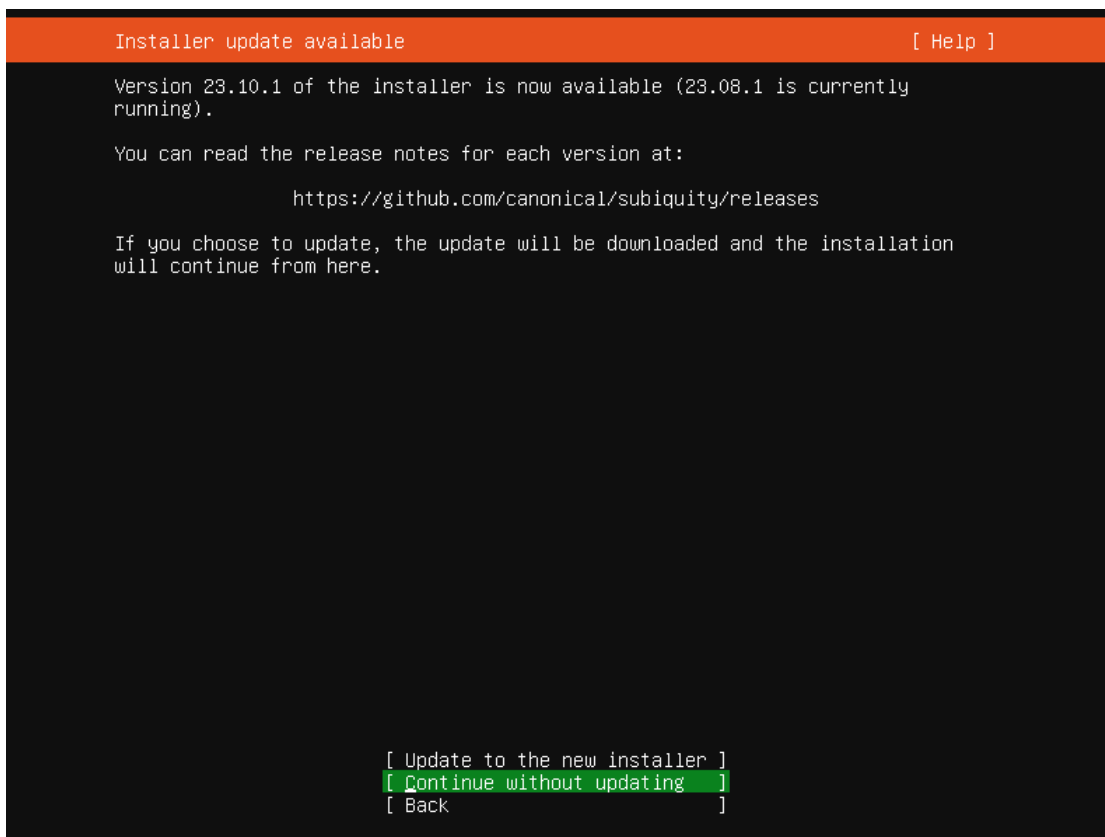
Tot seguit de la **configuració inicial**.

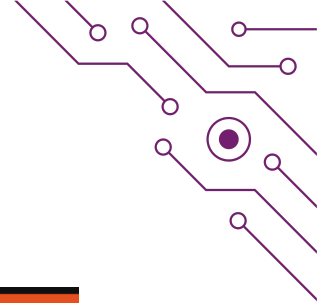
```
Willkommen! Bienvenue! Welcome! Добро пожаловать! Welkom! [ Help ]

Use UP, DOWN and ENTER keys to select your language.

[ Asturianu ]
[ Bahasa Indonesia ]
[ Català ]
[ Deutsch ]
[ English ]
[ English (UK) ]
[ Español ]
[ Français ]
[ Galego ]
[ Hrvatski ]
[ Latviski ]
[ Lietuviškai ]
[ Magyar ]
[ Nederlands ]
[ Norsk bokmål ]
[ Occitan ]
[ Polski ]
[ Português ]
[ Suomi ]
[ Svenska ]
[ Čeština ]
[ Ελληνικά ]
[ Беларуская ]
[ Русский ]
[ Српски ]
[ Українська ]
```







Choose type of install [Help]

Choose the base for the installation.

(X)

 Ubuntu Server

The default install contains a curated set of packages that provide a comfortable experience for operating your server.

()

 Ubuntu Server (minimized)

This version has been customized to have a small runtime footprint in environments where humans are not expected to log in.

Additional options

[]

 Search for third-party drivers

This software is subject to license terms included with its documentation. Some is proprietary. Third-party drivers should not be installed on systems that will be used for FIPS or the real-time kernel.

[Done]

[Back]

Network connections [Help]

Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.

NAME	TYPE	NOTES
[enp0s3	eth	-
DHCPv4 10.0.2.15/24		
08:00:27:ad:11:7d / Intel Corporation / 82540EM Gigabit Ethernet Controller (PRO/1000 MT Desktop Adapter)		
[enp0s8	eth	-
DHCPv4 -		
08:00:27:3c:31:a5 / Intel Corporation / 82540EM Gigabit Ethernet Controller (PRO/1000 MT Desktop Adapter)		

[Create bond ▶]

[Done]

[Back]



Configure proxy [Help]

If this system requires a proxy to connect to the internet, enter its details here.

Proxy address:

If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[[user][:pass]@]host[:port]/".

[Done]

[Back]

Configure Ubuntu archive mirror [Help]

If you use an alternative mirror for Ubuntu, enter its details here.

Mirror address:

You may provide an archive mirror that will be used instead of the default.

This mirror location passed tests.

```
Hit:1 http://es.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://es.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Fetched 338 kB in 2s (182 kB/s)
Reading package lists...
```

[Done]

[Back]



Guided storage configuration

[Help]

Configure a guided storage layout, or create a custom one:

(X) Use an entire disk

[VBOX_HARDDISK_VB0a8ef789-6e339d93 local disk 50.000G ▼]

[X] Set up this disk as an LVM group

[] Encrypt the LVM group with LUKS

Passphrase:

Confirm passphrase:

() Custom storage layout

[Done]

[Back]

Storage configuration

[Help]

FILE SYSTEM SUMMARY

MOUNT POINT	SIZE	TYPE	DEVICE TYPE
[/	23.996G	new ext4	new LVM logical volume ▶]
[/boot	2.000G	new ext4	new partition of local disk ▶]

AVAILABLE DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	47.996G ▶]
free space		24.000G ▶]

[Create software RAID (md) ▶]

[Create volume group (LVM) ▶]

USED DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	47.996G ▶]
ubuntu-lv	new, to be formatted as ext4, mounted at /	23.996G ▶]
[VBOX_HARDDISK_VB0a8ef789-6e339d93	local disk	50.000G ▶]
partition 1	new, BIOS grub spacer	1.000M ▶]
partition 2	new, to be formatted as ext4, mounted at /boot	2.000G ▶]
partition 3	new, PV of LVM volume group ubuntu-vg	47.997G ▶]

[Done]

[Reset]

[Back]



Confirm destructive action

Selecting Continue below will begin the installation process and result in the loss of data on the disks selected to be formatted.

You will not be able to return to this or a previous screen once the installation has started.

Are you sure you want to continue?

[No]
[Continue]

Profile setup [Help]

Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.

Your name: dijj

Your server's name: cep3
The name it uses when it talks to other computers.

Pick a username: dijj

Choose a password: *****

Confirm your password: *****

[Done]

Upgrade to Ubuntu Pro [Help]

Upgrade this machine to Ubuntu Pro for security updates on a much wider range of packages, until 2032. Assists with FedRAMP, FIPS, STIG, HIPAA and other compliance or hardening requirements.

[About Ubuntu Pro ►]

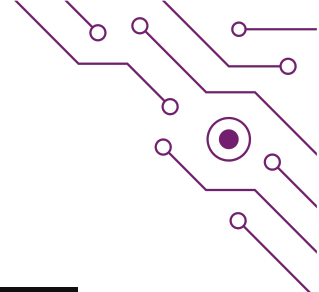
() Enable Ubuntu Pro

(X) Skip for now

You can always enable Ubuntu Pro later via the 'pro attach' command.

[Continue]
[Back]





SSH Setup

[Help]

You can choose to install the OpenSSH server package to enable secure remote access to your server.

☐ Install OpenSSH server

Import SSH identity: ☐ No
You can import your SSH keys from GitHub or Launchpad.

Import Username:

☒ Allow password authentication over SSH

Featured Server Snaps

[Help]

These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available.

<input type="checkbox"/>	microk8s	Kubernetes for workstations and appliances	▶
<input type="checkbox"/>	nextcloud	Nextcloud Server - A safe home for all your data	▶
<input type="checkbox"/>	wekan	Open-Source kanban	▶
<input type="checkbox"/>	kata-containers	Build lightweight VMs that seamlessly plug into the c	▶
<input type="checkbox"/>	docker	Docker container runtime	▶
<input type="checkbox"/>	canonical-livepatch	Canonical Livepatch Client	▶
<input type="checkbox"/>	rocketchat-server	Rocket.Chat server	▶
<input type="checkbox"/>	mosquitto	Eclipse Mosquitto MQTT broker	▶
<input type="checkbox"/>	etcd	Resilient key-value store by CoreOS	▶
<input type="checkbox"/>	powershell	PowerShell for every system!	▶
<input type="checkbox"/>	sabnzbd	SABnzbd	▶
<input type="checkbox"/>	wormhole	get things from one computer to another, safely	▶
<input type="checkbox"/>	aws-cli	Universal Command Line Interface for Amazon Web Servi	▶
<input type="checkbox"/>	google-cloud-sdk	Google Cloud SDK	▶
<input type="checkbox"/>	slcli	Python based SoftLayer API Tool.	▶
<input type="checkbox"/>	doctl	The official DigitalOcean command line interface	▶
<input type="checkbox"/>	conjure-up	Package runtime for conjure-up spells	▶
<input type="checkbox"/>	postgresql10	PostgreSQL is a powerful, open source object-relation	▶
<input type="checkbox"/>	heroku	CLI client for Heroku	▶
<input type="checkbox"/>	keepalived	High availability VRRP/BFD and load-balancing for Lin	▶
<input type="checkbox"/>	prometheus	The Prometheus monitoring system and time series data	▶
<input type="checkbox"/>	juju	Juju - a model-driven operator lifecycle manager for	▶

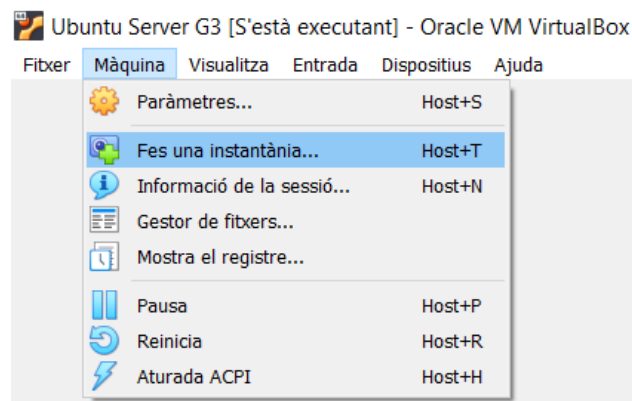
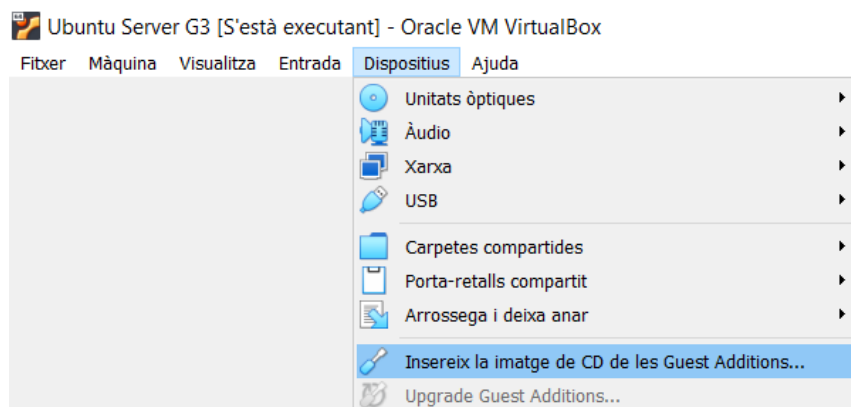


```
Install complete! [ Help ]

curtin command install
  configuring installed system
    running 'curtin in-target -- setupcon --save-only'
    curtin command in-target
  running 'curtin curthooks'
  curtin command curthooks
    configuring apt
    configuring apt
    installing missing packages
    configuring iscsi service
    configuring raid (mdadm) service
    installing kernel
    setting up swap
    apply networking config
    writing etc/fstab
    configuring multipath
    updating packages on target system
    configuring pollinate user-agent on target
    updating initramfs configuration
    configuring target system bootloader
    installing grub to target devices
final system configuration
  configuring cloud-init
  calculating extra packages to install
  downloading and installing security updates
  curtin command in-target
  restoring apt configuration
  curtin command in-target
subiquity/Late/run

[ View full log ]
[ Reboot Now ]
```

Finalment hem instal·lat el **Guest Additions** i fet una **snapshot** de la base.



Configuració Inicial

Comencem **actualitzant** tots els paquets.

```
root@cep3:/home/dijj# apt update && apt upgrade -y && apt autoremove
```

Instal·lant uns altres.

```
root@cep3:/home/dijj# apt install net-tools && apt install apache2 && apt update && apt upgrade -y
```

I hem **creat** tots els **grups** requerits.

```
root@cep3:/home/dijj# groupadd -r profes_dam && groupadd -r profes_daw && groupadd -r alumnes_dam && groupadd -r alumnes_daw && groupadd -r profes && groupadd -r alumnes && groupadd -r dam && groupadd -r daw
```

```
root@cep3:/home/dijj# getent group
```

```
profes_dam:x:999:
profes_daw:x:998:
alumnes_dam:x:997:
alumnes_daw:x:996:
profes:x:995:
alumnes:x:994:
dam:x:993:
daw:x:992:
```

També els **usuaris**.

```
root@cep3:/home/dijj# useradd -m maria && useradd -m joan && useradd -m anna && useradd -m francisco && useradd -m paqui && useradd -m dani && useradd -m rosa && useradd -m pere && useradd -m hector && useradd -m jl
```

```
root@cep3:/home/dijj# passwd maria && passwd joan && passwd anna && passwd francisco && passwd paqui && passwd dani && passwd rosa && passwd pere && passwd hector && passwd jl
```

```
root@cep3:/home/dijj# getent passwd
```

```
maria:x:1001:1001::/home/maria:/bin/sh
joan:x:1002:1002::/home/joan:/bin/sh
anna:x:1003:1003::/home/anna:/bin/sh
francisco:x:1004:1004::/home/francisco:/bin/sh
paqui:x:1005:1005::/home/paqui:/bin/sh
dani:x:1006:1006::/home/dani:/bin/sh
rosa:x:1007:1007::/home/rosa:/bin/sh
pere:x:1008:1008::/home/pere:/bin/sh
hector:x:1009:1009::/home/hector:/bin/sh
jl:x:1010:1010::/home/jl:/bin/sh
```

Els hi hem **assignat** els **grups principals**.

```
root@cep3:/home/dijj# usermod -g profes_dam jl && usermod -g profes_daw hector && usermod -g alumnes_dam maria && usermod -g alumnes_dam francisco && usermod -g alumnes_dam paqui && usermod -g alumnes_dam pere && usermod -g alumnes_daw joan && usermod -g alumnes_daw anna && usermod -g alumnes_daw dani && usermod -g alumnes_daw rosa
```

```
root@cep3:/home/dijj# id jl && id hector && id maria && id francisco && id paqui && id pere && id joan && id anna && id dani && id rosa
uid=1010(jl) gid=999(profes_dam) groups=999(profes_dam)
uid=1009(hector) gid=998(profes_daw) groups=998(profes_daw)
uid=1001(maria) gid=997(alumnes_dam) groups=997(alumnes_dam)
uid=1004(francisco) gid=997(alumnes_dam) groups=997(alumnes_dam)
uid=1005(paqui) gid=997(alumnes_dam) groups=997(alumnes_dam)
uid=1008(pere) gid=997(alumnes_dam) groups=997(alumnes_dam)
uid=1002(joan) gid=996(alumnes_daw) groups=996(alumnes_daw)
uid=1003(anna) gid=996(alumnes_daw) groups=996(alumnes_daw)
uid=1006(dani) gid=996(alumnes_daw) groups=996(alumnes_daw)
uid=1007(rosa) gid=996(alumnes_daw) groups=996(alumnes_daw)
```



Després als secundaris.

```
root@cep3:/home/dijj# usermod -aG profes,dam jl && usermod -aG alumnes,dam maria && usermod -aG alumnes,dam francisco && usermod -aG alumnes,dam paqui && usermod -aG alumnes,dam pere && usermod -aG profes,daw hector && usermod -aG alumnes,daw joan && usermod -aG alumnes,daw anna && usermod -aG alumnes,daw dani && usermod -aG alumnes,daw rosa
```

```
root@cep3:/home/dijj# id jl && id hector && id maria && id francisco && id paqui && id pere && id joan && id anna && id dani && id rosa
uid=1010(jl) gid=999(profes_dam) groups=999(profes_dam),995(profes),993(dam)
uid=1009(hector) gid=998(profes_daw) groups=998(profes_daw),995(profes),992(daw)
uid=1001(maria) gid=997(alumnes_dam) groups=997(alumnes_dam),994(alumnes),993(dam)
uid=1004(francisco) gid=997(alumnes_dam) groups=997(alumnes_dam),994(alumnes),993(dam)
uid=1005(paqui) gid=997(alumnes_dam) groups=997(alumnes_dam),994(alumnes),993(dam)
uid=1008(pere) gid=997(alumnes_dam) groups=997(alumnes_dam),994(alumnes),993(dam)
uid=1002(joan) gid=996(alumnes_daw) groups=996(alumnes_daw),994(alumnes),992(daw)
uid=1003(anna) gid=996(alumnes_daw) groups=996(alumnes_daw),994(alumnes),992(daw)
uid=1006(dani) gid=996(alumnes_daw) groups=996(alumnes_daw),994(alumnes),992(daw)
uid=1007(rosa) gid=996(alumnes_daw) groups=996(alumnes_daw),994(alumnes),992(daw)
```

Seguit d'aplicar els permisos a la carpeta /home/ de cada usuari.

```
root@cep3:/home/dijj# find /home -type d -exec chmod 700 {} +
root@cep3:/home/dijj# ls -l /home/
total 44
drwx----- 2 anna      alumnes_daw 4096 Feb  7 16:44 anna
drwx----- 2 dani      alumnes_daw 4096 Feb  7 16:44 dani
drwx----- 4 dijj      dijj        4096 Feb  7 16:23 dijj
drwx----- 2 francisco alumnes_dam 4096 Feb  7 16:44 francisco
drwx----- 2 hector    profes_daw  4096 Feb  7 16:44 hector
drwx----- 2 jl        profes_dam  4096 Feb  7 16:44 jl
drwx----- 2 joan      alumnes_daw 4096 Feb  7 16:44 joan
drwx----- 2 maria     alumnes_dam 4096 Feb  7 16:44 maria
drwx----- 2 paqui     alumnes_dam 4096 Feb  7 16:44 paqui
drwx----- 2 pere      alumnes_dam 4096 Feb  7 16:44 pere
drwx----- 2 rosa      alumnes_daw 4096 Feb  7 16:44 rosa
```

I donar permisos als professors.

```
root@cep3:/home/dijj# usermod -aG sudo jl && usermod -aG sudo hector
root@cep3:/home/dijj# groups jl && groups hector
jl : profes_dam sudo profes dam
hector : profes_daw sudo profes daw
```



IP Estàtica

Abans de baixar la interfície enp0s3 (NAT) hem actualitzat tot.

```
root@cep3:/home/dijj# apt update && apt upgrade -y && apt autoremove
Hit:1 http://es.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://es.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://es.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://es.archive.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

Després hem **baixat** la interfície de xarxa **NAT** i revisat que així sigués.

```
root@cep3:/home/dijj# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::a00:27ff:fead:117d prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:ad:11:7d txqueuelen 1000 (Ethernet)
    RX packets 22089 bytes 32668876 (32.6 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2081 bytes 155795 (155.7 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet6 fe80::a00:27ff:fe3c:31a5 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:3c:31:a5 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 37 bytes 7146 (7.1 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 346 bytes 33971 (33.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 346 bytes 33971 (33.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@cep3:/home/dijj# ifconfig enp0s3 down
```

```
root@cep3:/home/dijj# ifconfig
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet6 fe80::a00:27ff:fe3c:31a5 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:3c:31:a5 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 38 bytes 7476 (7.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 346 bytes 33971 (33.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 346 bytes 33971 (33.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



I fet una **còpia de seguretat** de l'arxiu de configuració de la IP estàtica.

```
root@cep3:/etc/netplan# cp ./00-installer-config.yaml ./00-installer-config.yaml.copy
root@cep3:/etc/netplan# ls
00-installer-config.yaml  00-installer-config.yaml.copy
```

Un cop fet, hem editat l'arxiu i **assignat** la IP **192.168.103.10** i comprovat els canvis.

```
root@cep3:/etc/netplan# vim 00-installer-config.yaml
```

```
"/etc/netplan/00-installer-config.yaml" 12L, 275B written
root@cep3:/home/dijj# cat /etc/netplan/00-installer-config.yaml
# This is the network config written by 'subiquity'
network:
  ethernets:
    enp0s3:
      dhcp4: true
    enp0s8:
      dhcp4: false
      addresses: [192.168.103.10/24]
      gateway4: 192.168.103.10
      nameservers:
        addresses: [127.0.0.1, 1.1.1.1]
  version: 2
```

```
root@cep3:/home/dijj# netplan try
```

```
root@cep3:/home/dijj# ifconfig
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 192.168.103.10  netmask 255.255.255.0  broadcast 192.168.103.255
    inet6 fe80::a00:27ff:fe3c:31a5  prefixlen 64  scopeid 0x20<link>
    ether 08:00:27:3c:31:a5  txqueuelen 1000  (Ethernet)
    RX packets 0  bytes 0 (0.0 B)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 41  bytes 6986 (6.9 KB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 104  bytes 8666 (8.6 KB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 104  bytes 8666 (8.6 KB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```



Apache

Prèviament a **baixar** la interfície **NAT** hem **descarregat** el **repositori** de la web per després afegir-lo al apache i hostejar-lo.

```
root@cep3:/home/dijj/documents# git clone https://github.com/jazdevv/jazdevv.github.io
Cloning into 'jazdevv.github.io'...
remote: Enumerating objects: 384, done.
remote: Counting objects: 100% (384/384), done.
remote: Compressing objects: 100% (228/228), done.
remote: Total 384 (delta 197), reused 301 (delta 114), pack-reused 0
Receiving objects: 100% (384/384), 9.01 MiB | 3.21 MiB/s, done.
Resolving deltas: 100% (197/197), done.
root@cep3:/home/dijj/documents# ls
jazdevv.github.io
```

I comprovat que l'apache estigui **funcionant**.

```
root@cep3:/home/dijj# service apache2 status
• apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2024-02-15 17:45:34 UTC; 6s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 1685 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
  Main PID: 1689 (apache2)
    Tasks: 55 (limit: 2220)
   Memory: 4.8M
      CPU: 24ms
   CGroup: /system.slice/apache2.service
           └─1689 /usr/sbin/apache2 -k start
             └─1690 /usr/sbin/apache2 -k start
               └─1691 /usr/sbin/apache2 -k start

Feb 15 17:45:34 cep3 systemd[1]: Starting The Apache HTTP Server...
Feb 15 17:45:34 cep3 apachectl[1688]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.0.1 instead. See the top log line for details.
Feb 15 17:45:34 cep3 systemd[1]: Started The Apache HTTP Server.
lines 1-17/17 (END)
```

Després hem **mogut** el projecte a la **carpeta** corresponent.

```
root@cep3:/home/dijj/documents# mv jazdevv.github.io/ /var/www/html
root@cep3:/home/dijj/documents# ls /var/www/html
index.html  jazdevv.github.io
```

I configurat perquè **mostri** la **nova**, no la que ve per defecte, modificant el paràmetre DocumentRoot.

```
root@cep3:/home/dijj/documents# vim /etc/apache2/sites-available/000-default.conf
```

```
"/etc/apache2/sites-available/000-default.conf" 31L, 1350B written
root@cep3:/home/dijj/documents# cat /etc/apache2/sites-available/000-default.conf
<VirtualHost *:80>
    # The ServerName directive sets the request scheme, hostname and port that
    # the server uses to identify itself. This is used when creating
    # redirection URLs. In the context of virtual hosts, the ServerName
    # specifies what hostname must appear in the request's Host: header to
    # match this virtual host. For the default virtual host (this file) this
    # value is not decisive as it is used as a last resort host regardless.
    # However, you must set it for any further virtual host explicitly.
    #ServerName www.example.com

    ServerAdmin webmaster@localhost
    DocumentRoot /var/www/html/jazdevv.github.io

    # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
    # error, crit, alert, emerg.
    # It is also possible to configure the loglevel for particular
    # modules, e.g.
    #LogLevel info ssl:warn

    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined

    # For most configuration files from conf-available/, which are
    # enabled or disabled at a global level, it is possible to
    # include a line for only one particular virtual host. For example the
    # following line enables the CGI configuration for this host only
    # after it has been globally disabled with "a2disconf".
    #Include conf-available/serve-cgi-bin.conf
</VirtualHost>
```

```
root@cep3:/home/dijj/documents# service apache2 restart
```



Per finalment **comprovar** que es vegi correctament **des d'un client**.

