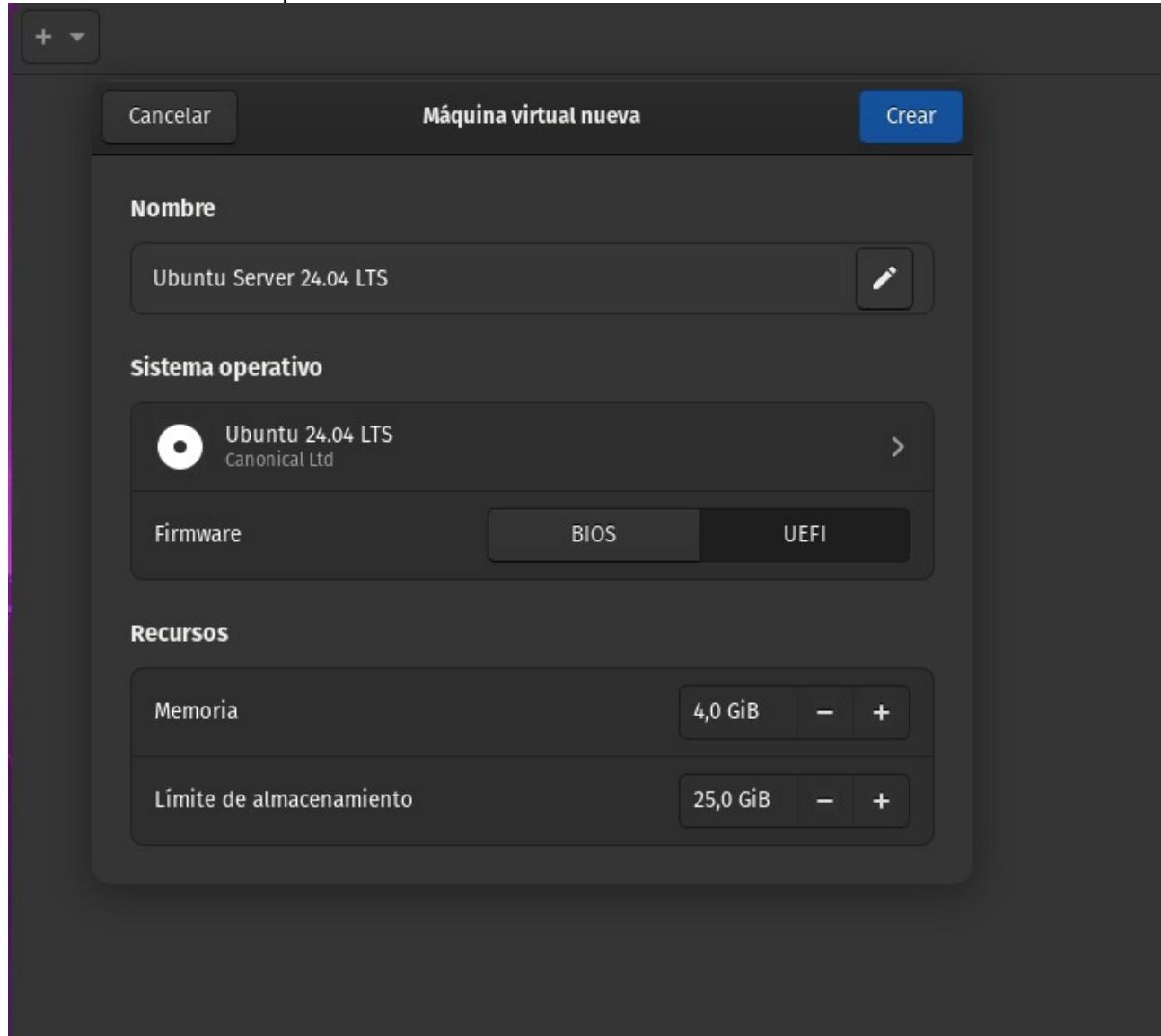
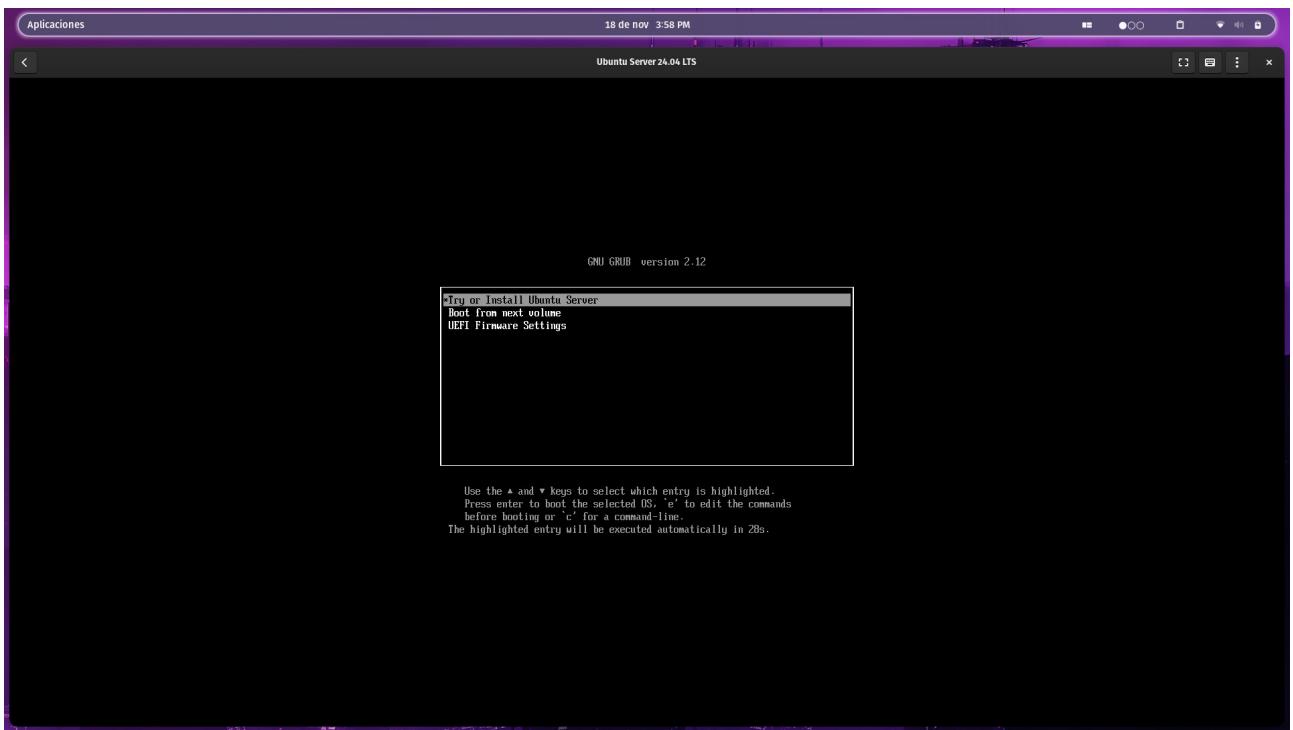


## UBUNTU SERVER BY BLAGOVEST DOUKOV DIMITROVA

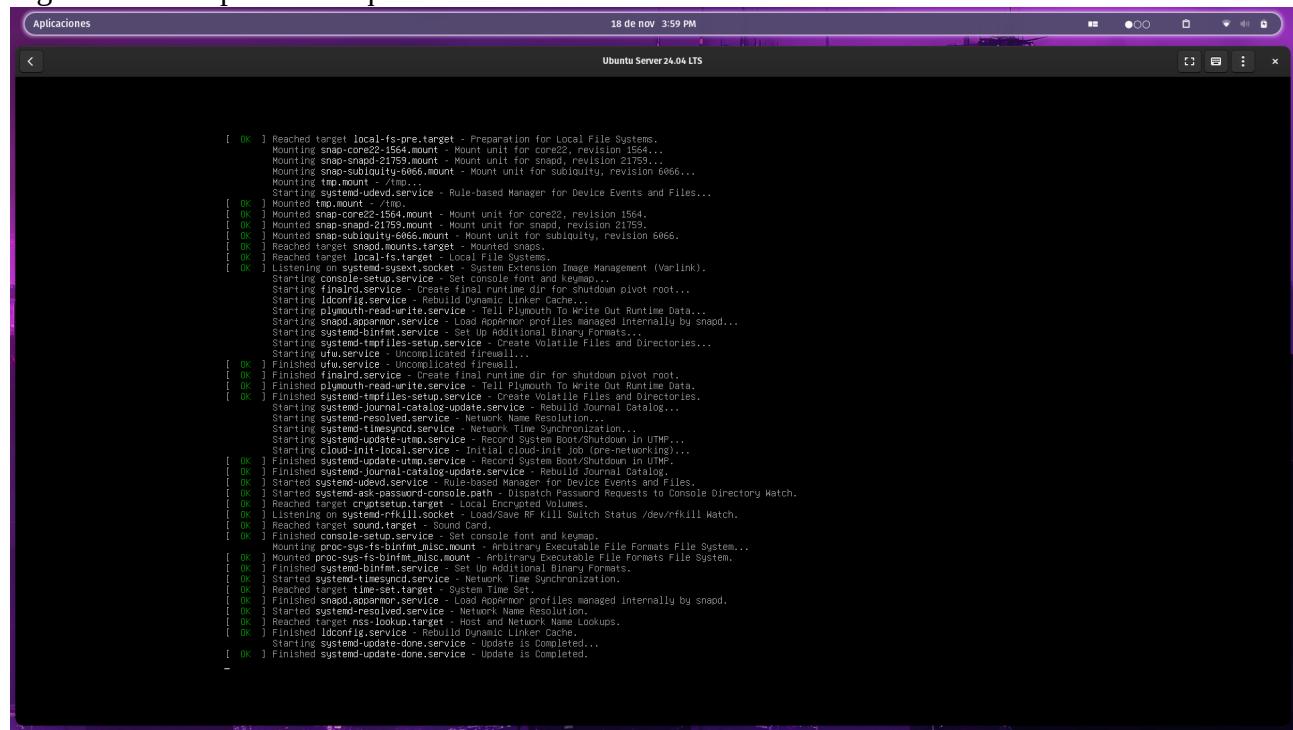
Primero creamos la maquina virtual



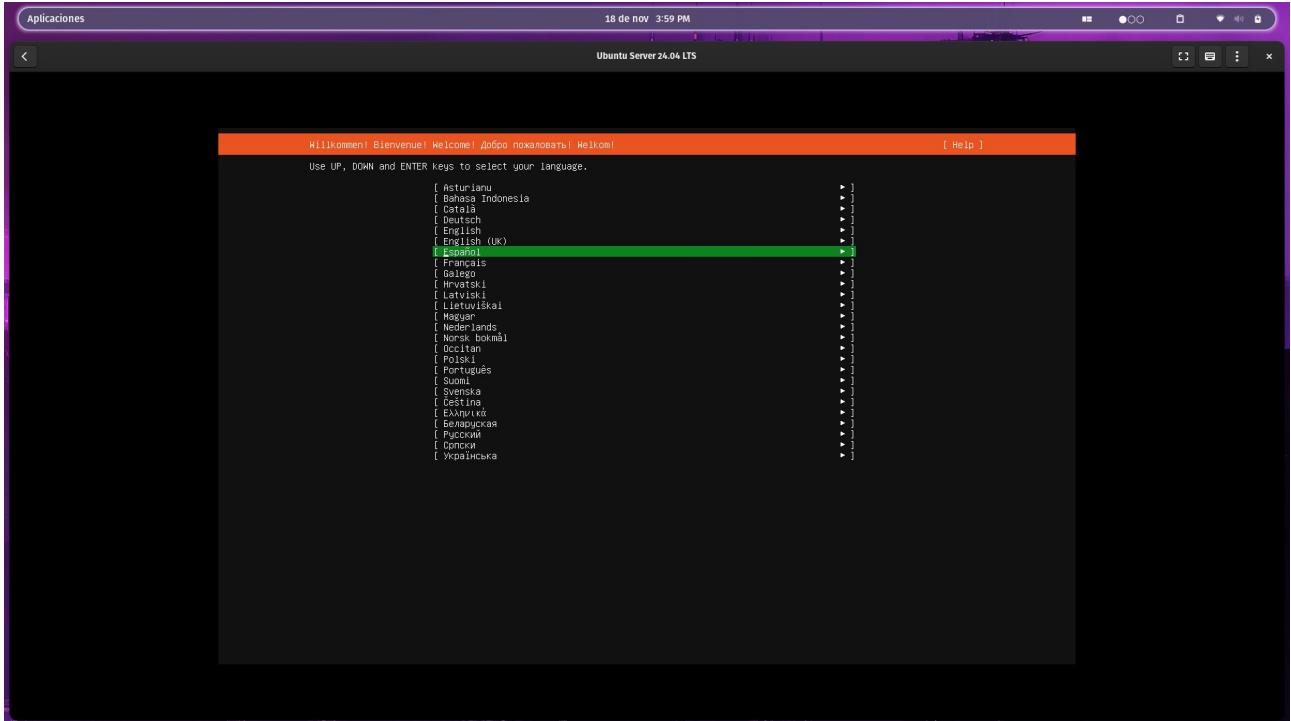
Le decimos que queremos instalar Ubuntu Server normalmente



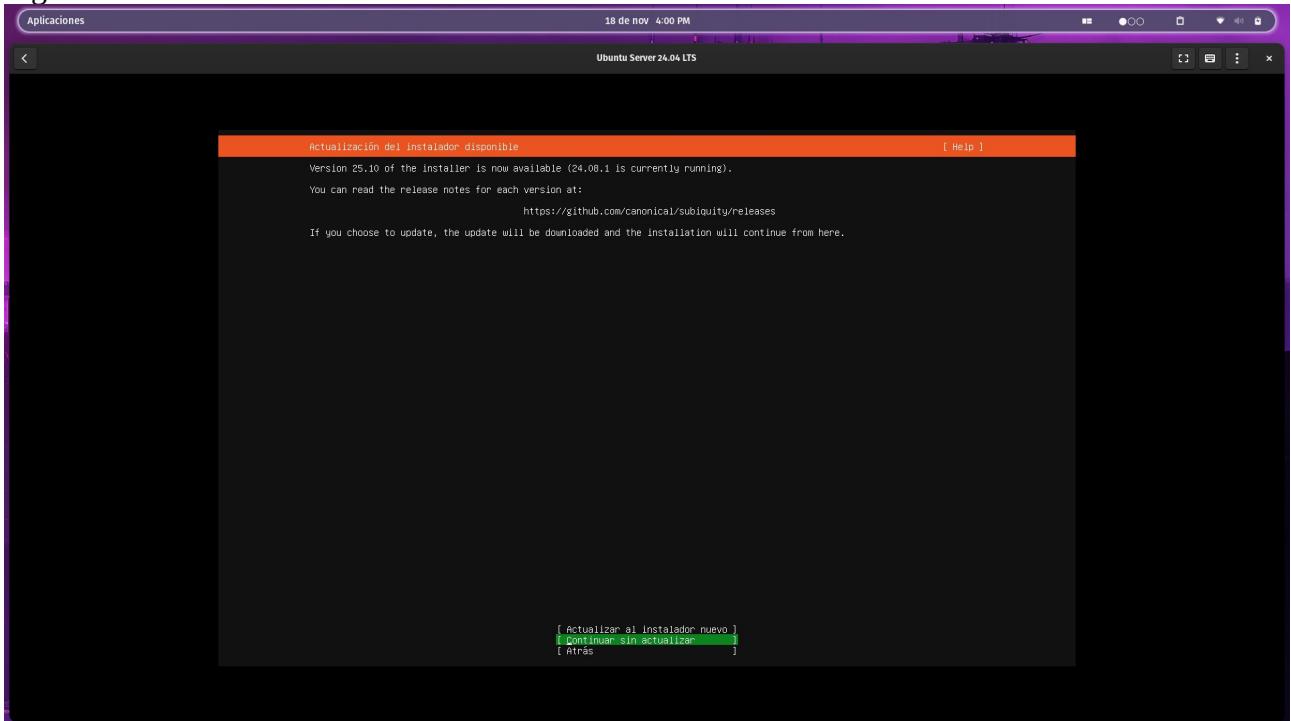
Seguidamente esperamos a que se inicialice el instalador



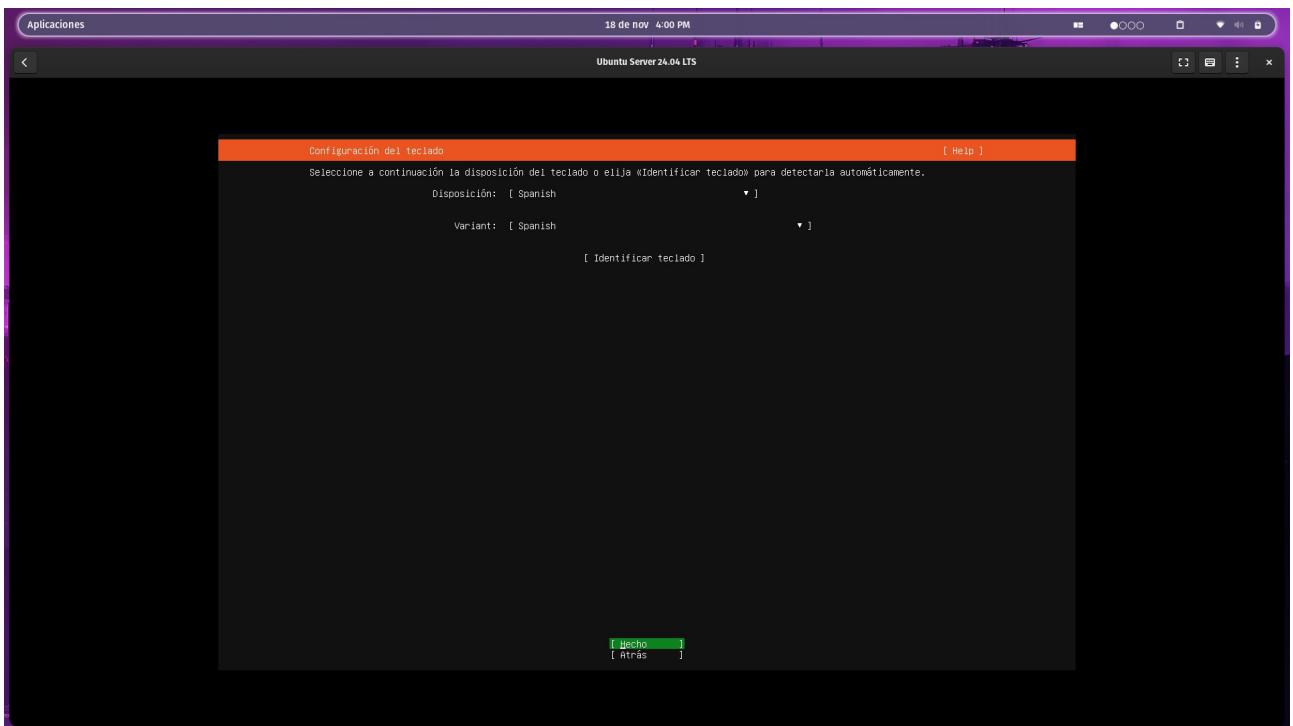
Ahora elegimos el idioma en el cual queremos hacer la instalacion y luego que este el sistema



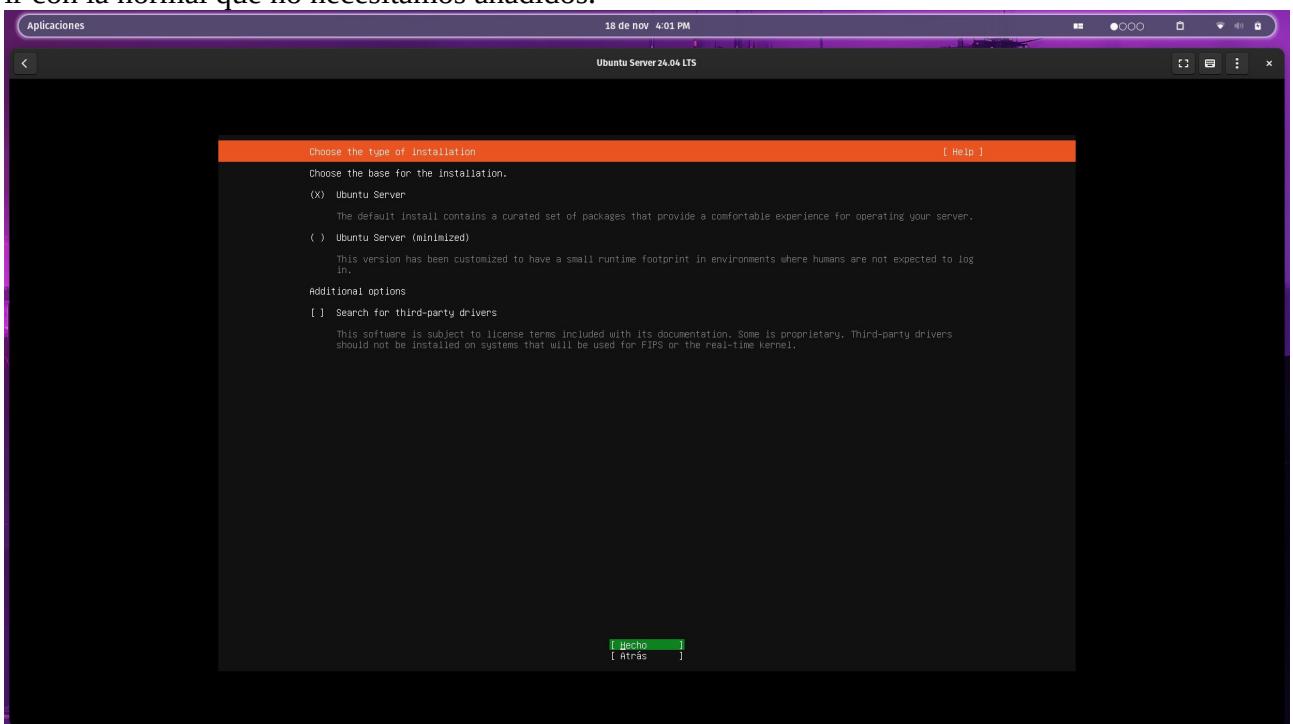
Aquí nos dice que hay una actualización disponible pero de momento no vamos a hacerla así que seguimos sin actualizar



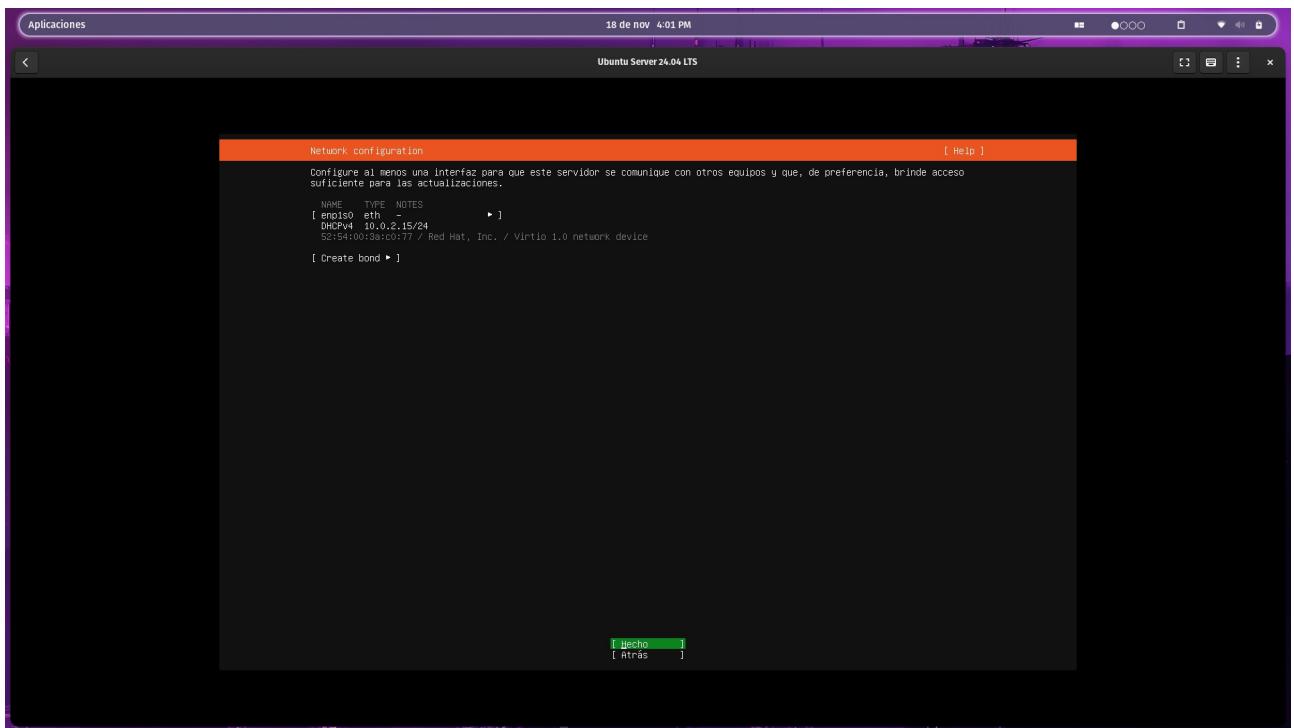
Luego elegimos la disposición de teclado con la cual queremos escribir en este caso obviamente Español



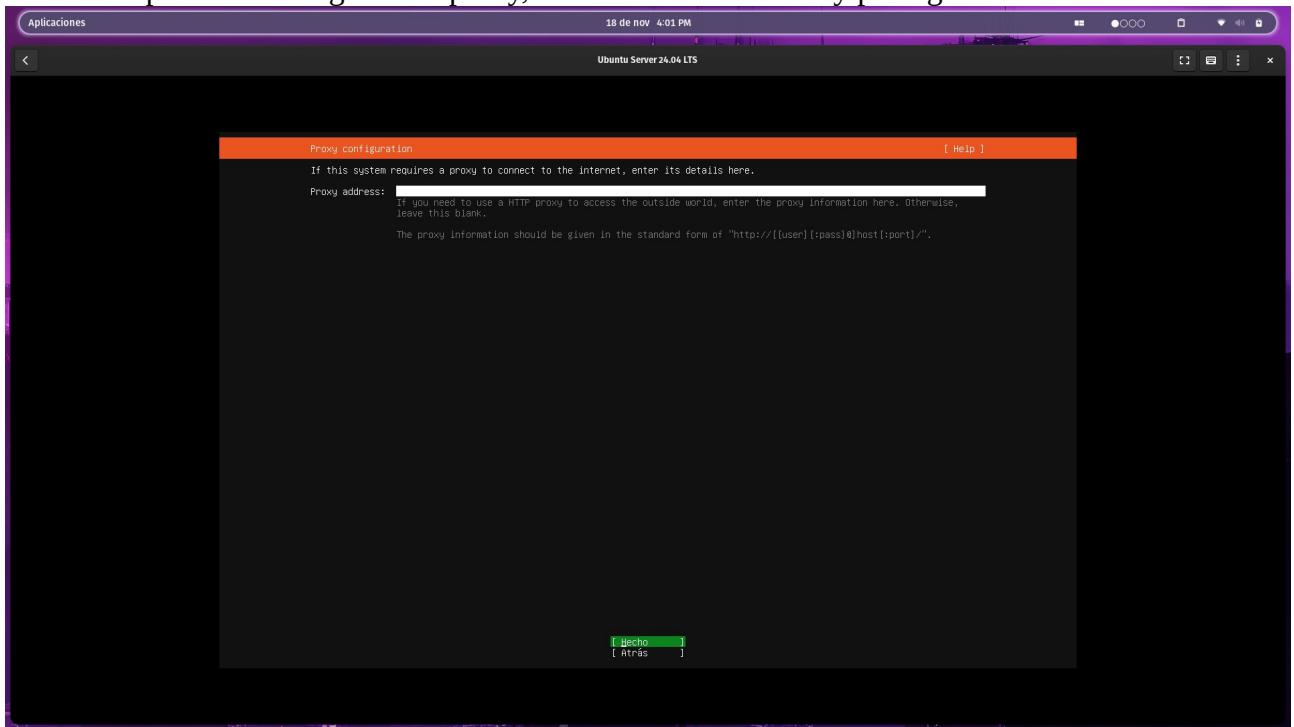
Ahora tenemos que elegir el tipo de instalación si normal o con ubuntu pro o minimizado, vamos a ir con la normal que no necesitamos añadidos.



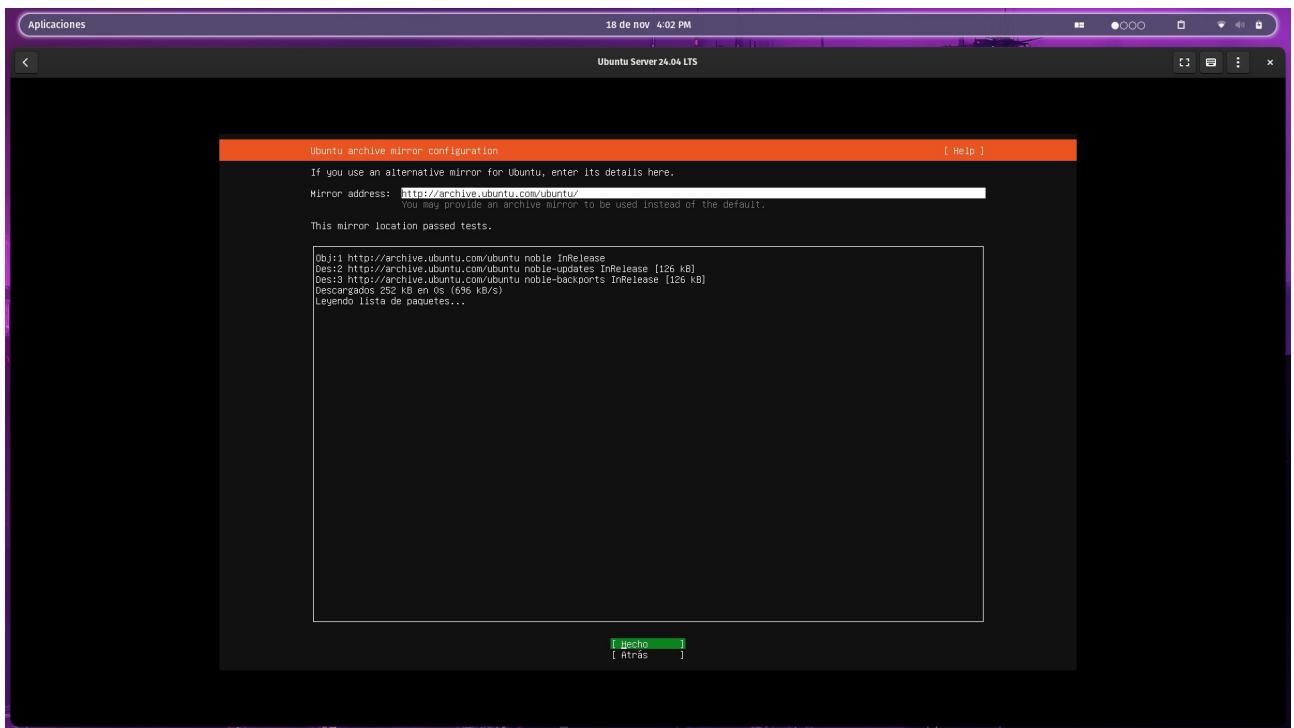
Ahora se configura la conexión lo cual no tocamos nada por que se configura solo al menos en este caso se ha hecho



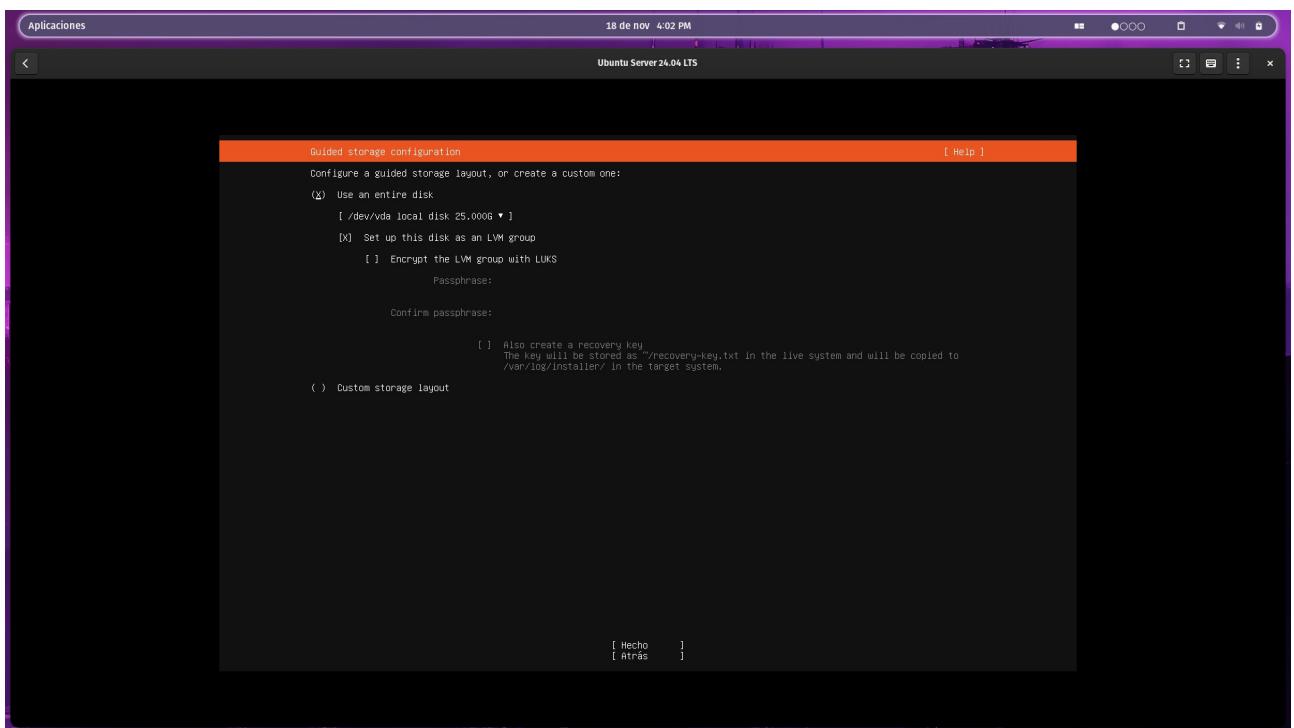
Ahora nos pide una configuración proxy, no vamos a hacer caso y proseguir.



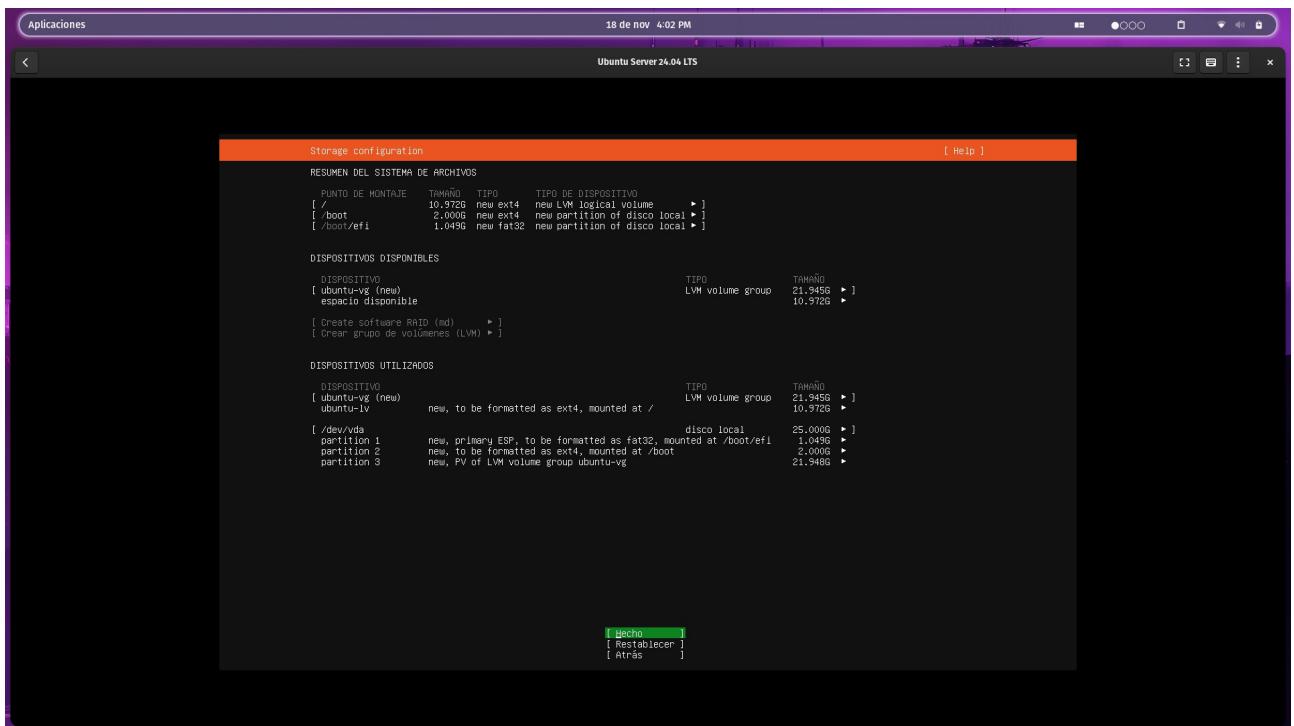
Ahora esperamos a que termine la configuración automática de archive mirror configuration:



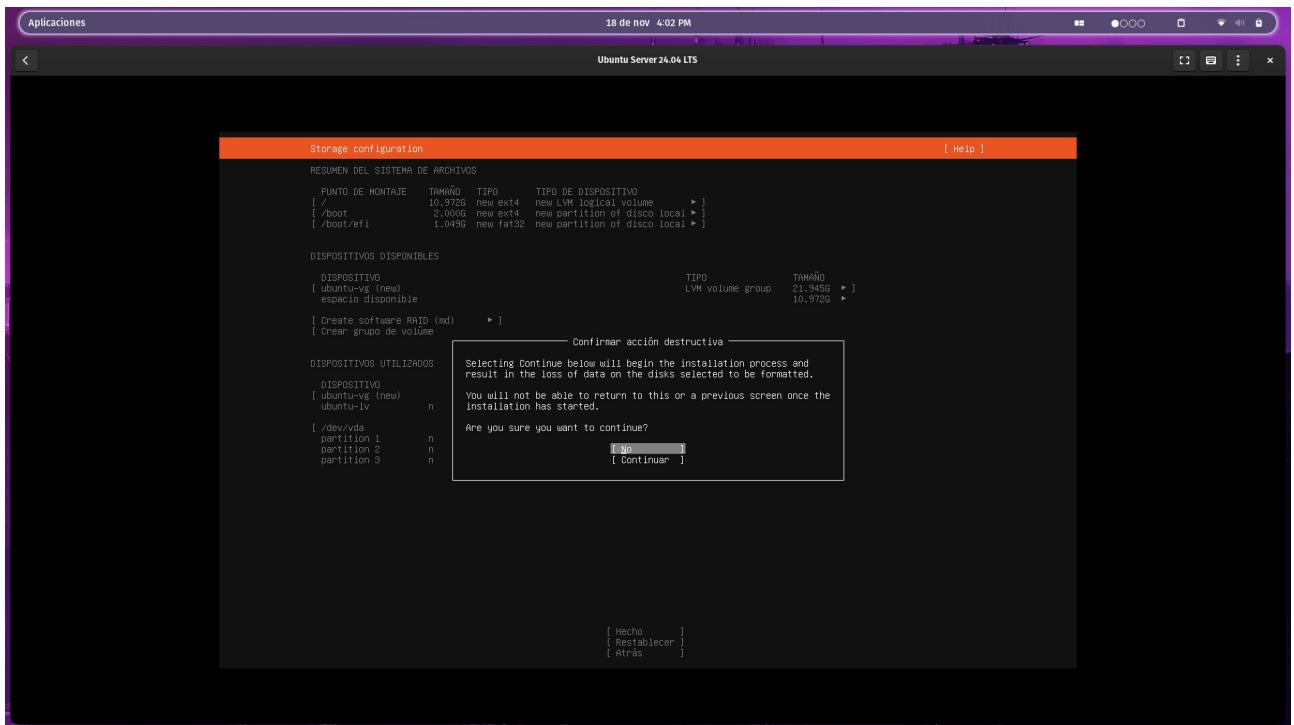
Ahora decidimos las rutas de instalación y discos para el server:



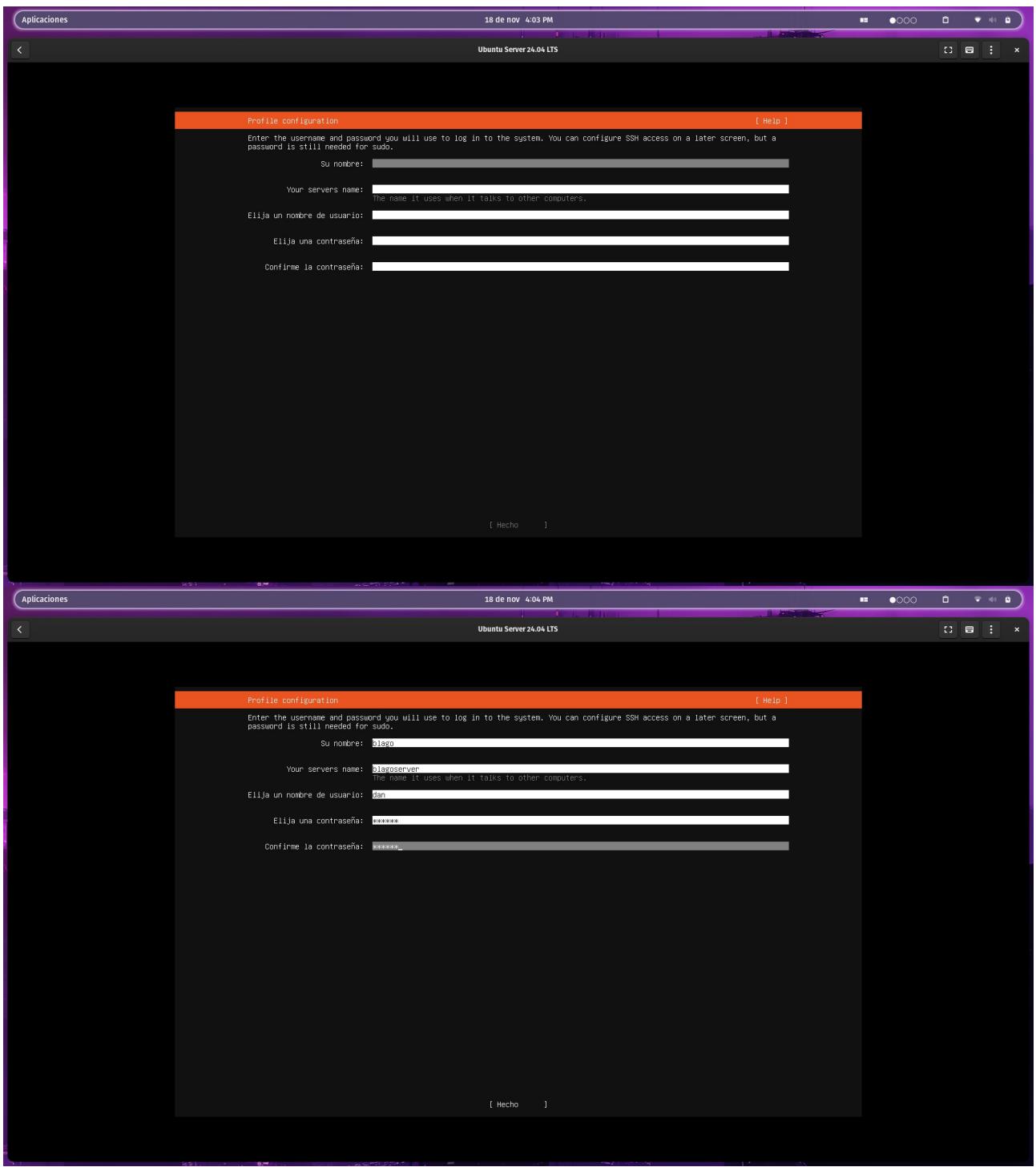
Ahora confirmamos todas las rutas y le damos a hecho y seguimos



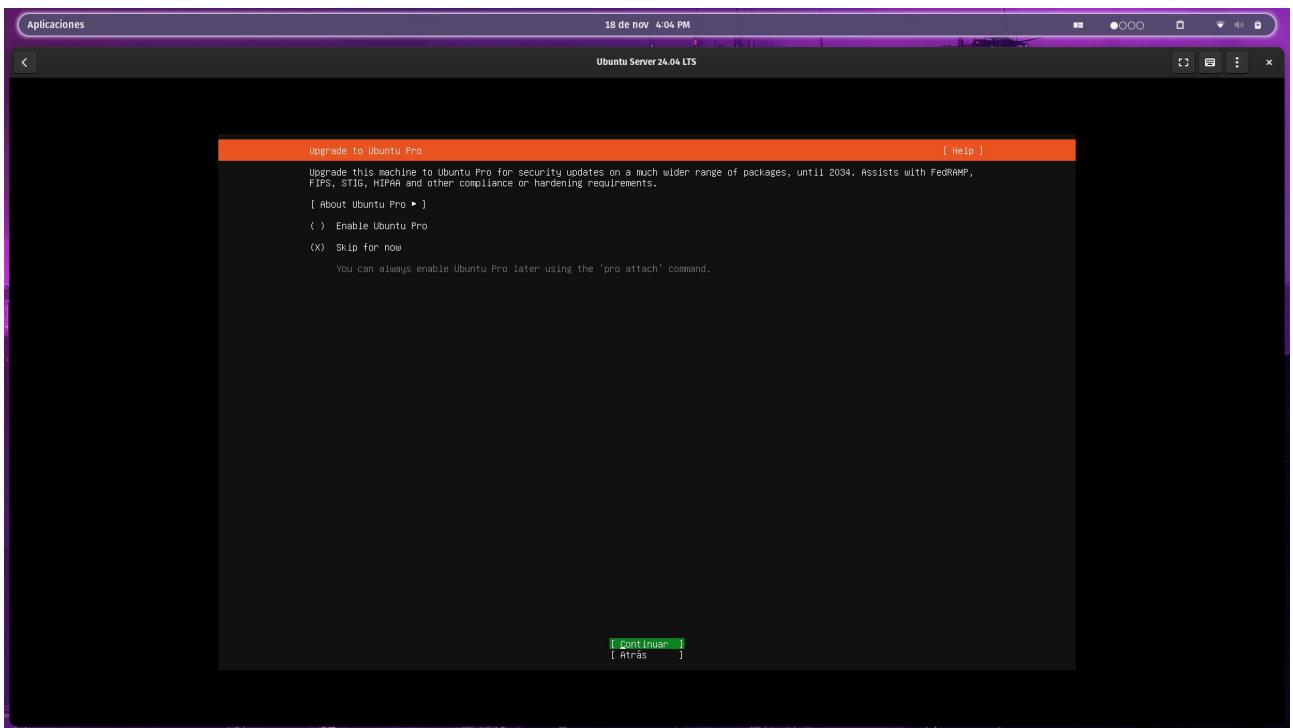
Le damos a continuar que estamos totalmente seguros



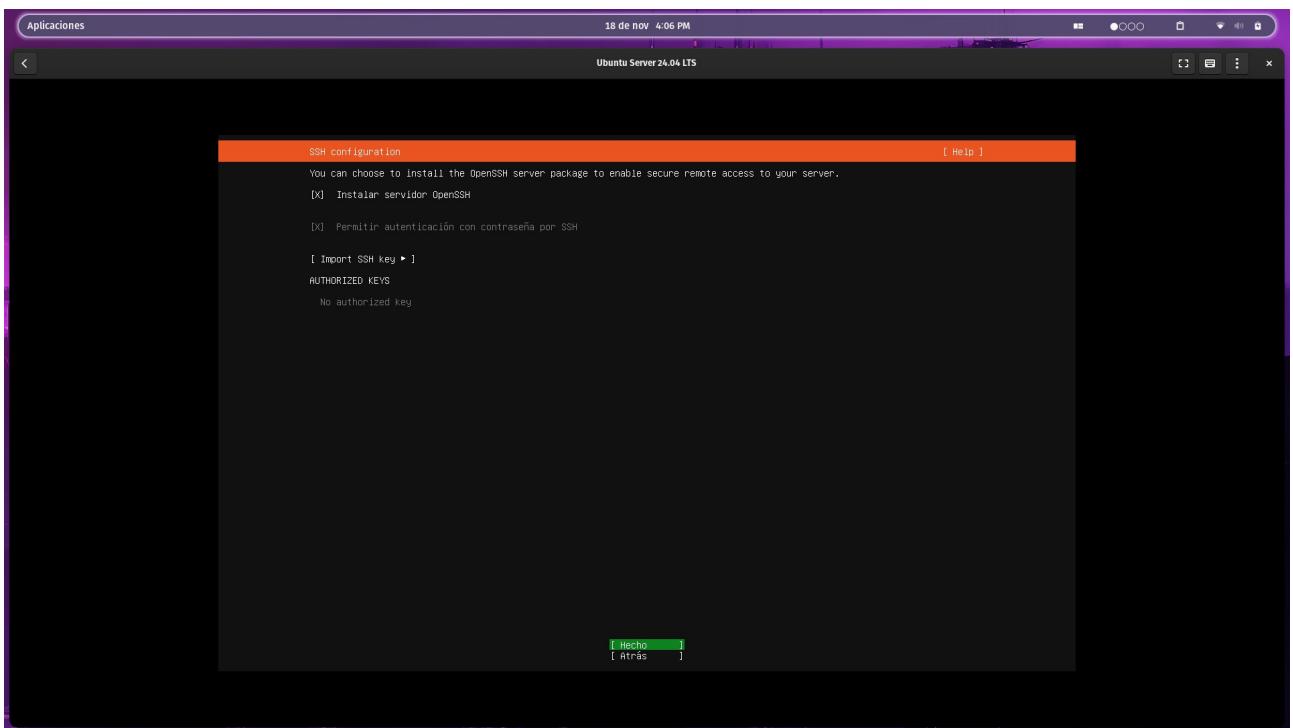
Ahora al fin hacemos algo mas, pondremos el nombre de servidor, nombre propio, nombre de usuario y contraseña



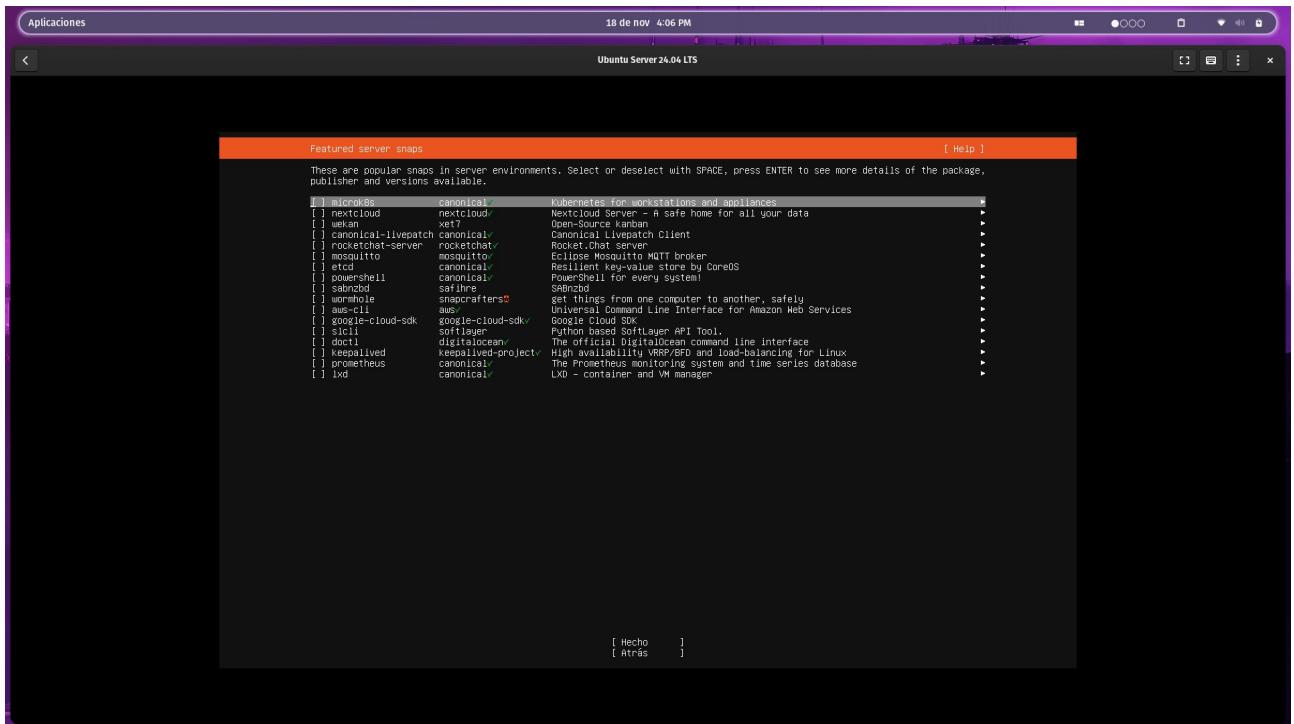
Seguidamente nos pregunta si queremos mejorar a ubuntu pro, no nos interesa así que seguimos



**PARTE IMPORTANTE**, para ahorrarnos comandos posteriormente tenemos la opcion desde el instalador del ubuntu server para instalar el servidor ssh asi que marcamos que si queremos y seguimos con la instalación



Nos pregunta si queremos instalar server snaps adicionales, no nos hace falta así que seguimos



FINALMENTE esperamos a que la instalación automáticamente ya termine

Aplicaciones 18 de nov 4:07 PM Ubuntu Server 24.04 LTS

Instalando el sistema [ Help ]

```
configuring partition: partition-2
configuring lvm.vgname: lvm.vgname-p-0
configuring lvm.partition: lvm_partition-p-0
configuring format: format-p-2
configuring mount: mount-p-2
configuring mount: mount-p-1
configuring mount: mount-p-0
executing curtin install extract step
curtin command install
writing install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp:///tmp/tmo3rk9ucbf/mount
configuring keyboard
curtin command in-target
executing curtin install curthooks step
curtin command install
configuring installed system
running 'curtin curthooks'
curtin command curthooks
configuring apt
configuring apt
installing missing packages
Installing packages on target system: ['efibootmgr', 'grub-efi-amd64', 'grub-efi-amd64-signed', 'shim-signed']
configuring iscsi service
configuring raid (mdadm) service
configuring NVMe over TCP
installing kernel
setting up swap
apply networking config
writing etc/fstab
configuring multiloader
updating packages on target system
configuring pollinate user-agent on target
updating initramfs configuration
copying grub to target system bootloader
installing grub to target devices
copying metadata from /cdrom
final system configuration
calculating extra packages to install
installing openssh-server
retrieving openssh-server -
curtin command system-install
```

[ View full log ]

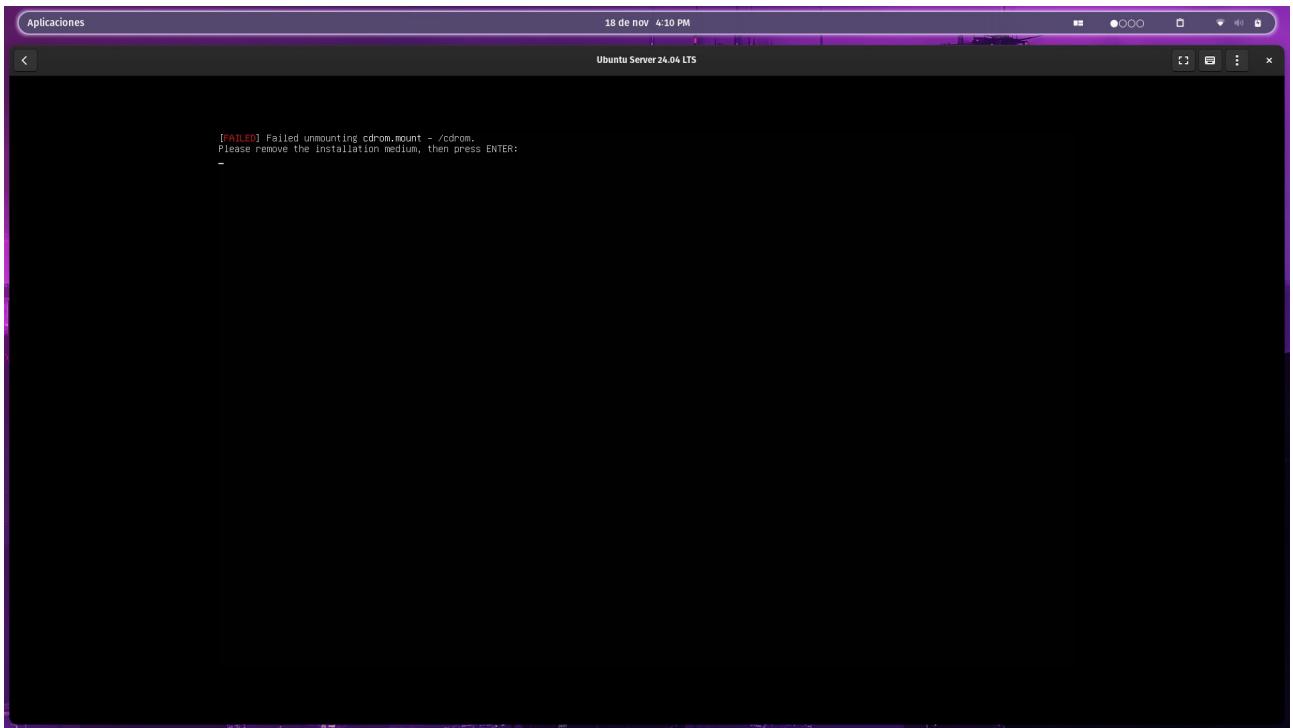
Aplicaciones 18 de nov 4:09 PM Ubuntu Server 24.04 LTS

Installation complete [ Help ]

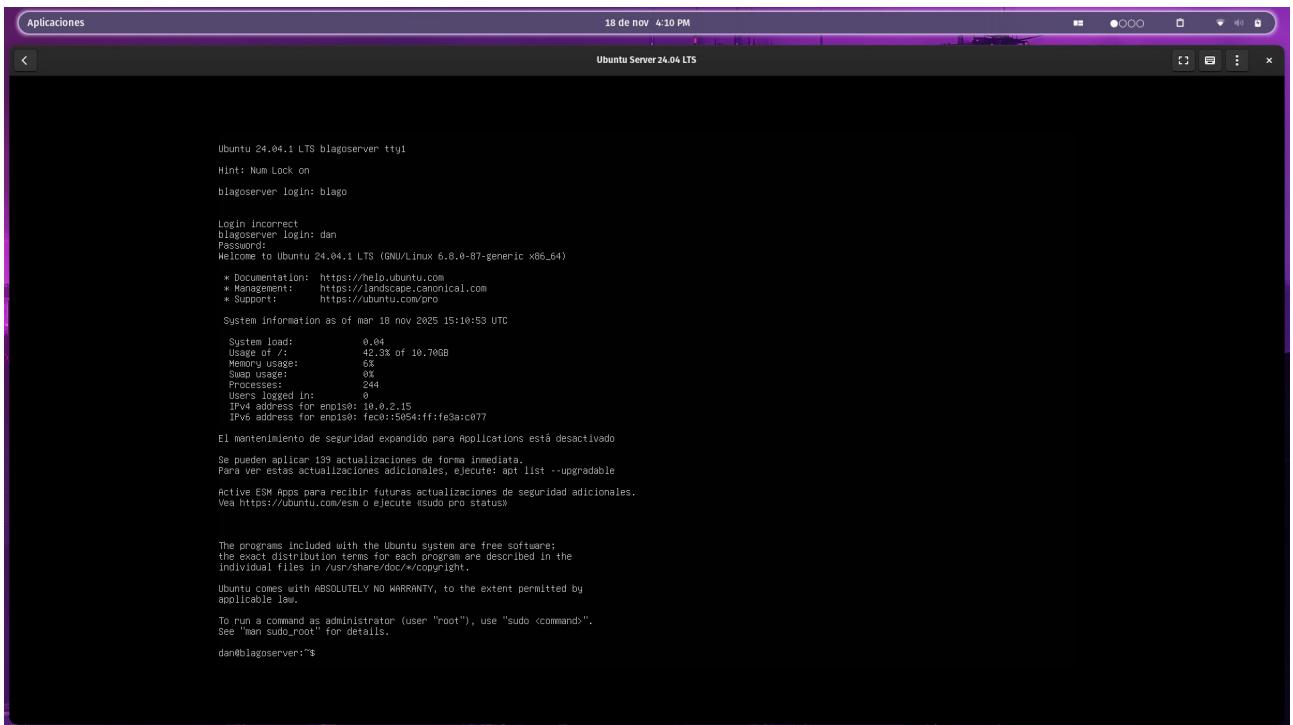
```
writing install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp:///tmp/tmo3rk9ucbf/mount
configuring keyboard
curtin command in-target
executing curtin install curthook step
curtin command install
configuring installed system
running 'curtin curthooks'
curtin command curthooks
configuring apt
configuring apt
installing missing packages
Installing packages on target system: ['efibootmgr', 'grub-efi-amd64', 'grub-efi-amd64-signed', 'shim-signed']
configuring iscsi service
configuring raid (mdadm) service
configuring NVMe over TCP
installing kernel
setting up swap
apply networking config
writing etc/fstab
configuring multiloader
updating packages on target system
configuring pollinate user-agent on target
updating initramfs configuration
configuring target system bootloader
installing grub to target devices
copying metadata from /cdrom
final system configuration
calculating extra packages to install
installing openssh-server
retrieving openssh-server -
curtin command system-install
configuring cloud-init
downloading and installing security updates
writing etc/cloud-init
restoring apt configuration
curtin command in-target
subinuity/Late/run:
```

[ View full log ]
[ Reiniciar ahora ]

Ahora aunque nos salga el mensaje de error el sistema se ha instalado y nos pide reiniciar y le vamos a hacer caso



Ahora al inciarse el sistema ya instalado iniciamos sesión con nuestras credenciales



Hacemos de primeras un sudo apt-get update y upgrade para actualizar

```
Dep:64 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 dmsegup amd64 2:1.02.185~ubuntu0.2 [79,2 kB]
Dep:65 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 ejlect amd64 2.9.9.3~ubuntu0.3 [26,3 kB]
Dep:66 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 loroute2 amd64 6.1.0~ubuntu0.6.1 [41,2 kB]
Dep:67 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libbsdt0 amd64 0.12.1~1~ubutnd1.1 [41,2 kB]
Dep:68 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 netplan-generator amd64 1.1.2~2~ubuntu0.24.04.2 [6,4 kB]
Dep:69 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 netplan-installer amd64 1.1.2~2~ubuntu0.24.04.2 [24,3 kB]
Dep:70 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 dracut-install amd64 0.60+5~ubuntu0.3 [32,3 kB]
Dep:71 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 initramfs-tools-all amd64 0.142~ubuntu0.5 [9,060 kB]
Dep:72 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 initramfs-tools-core-all amd64 0.142~ubuntu0.5 [59,5 kB]
Dep:73 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdevresolv0 amd64 0.1.0~ubuntu0.1 [10,1 kB]
Dep:74 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 linux-base-all-4.ubuntu0.9~ubuntu0.1 [10,1 kB]
Dep:75 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 netplan.io amd64 1.1.2~2~ubuntu0.24.04.2 [69,7 kB]
Dep:76 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libmemlanti amd64 1.1.2~2~ubuntu0.24.04.2 [132 kB]
Dep:77 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libmemlanti0 amd64 1.1.2~2~ubuntu0.24.04.2 [132 kB]
Dep:78 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 system-hwe-24.04.2 [255,1 kB] {1,604 kB}
Dep:79 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 apparmor amd64 4.0.1~really4.0.1~ubuntu0.24.04.4 [637 kB]
Dep:80 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 bsdextratools amd64 2.39.3~ubuntu0.3 [73,7 kB]
Dep:81 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdeconf0 amd64 0.1.0~ubuntu0.1 [10,9 kB]
Dep:82 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdebconfc0 amd64 0.1.0~ubuntu0.1 [10,9 kB]
Dep:83 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libln1-genl-3-280 amd64 3.7.0~0.3~ubutnd1.1 [12,2 kB]
Dep:84 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libln1-3-280 amd64 3.7.0~0.3~ubutnd1.1 [55,7 kB]
Dep:85 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libliverbs1 amd64 59.0~ubuntu0.2 [68,4 kB]
Dep:86 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libliverbs1-0 amd64 59.0~ubuntu0.2 [68,4 kB]
Dep:87 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libnghitp2-14 amd64 24.004.69~ubuntu0.2 [74,3 kB]
Dep:88 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libplymouth5 amd64 24.004.69~ubuntu0.7.1 [137 kB]
Dep:89 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libtraceevent1-plugin amd64 1.11.0.2~ubuntu0.1 [19,9 kB]
Dep:90 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libubtui0 amd64 0.95.1~ubuntu0.1 [54,3 kB]
Dep:91 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 mtr-tiny amd64 0.95.1~ubuntu0.1 [54,3 kB]
Dep:92 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 pci.ids all 0.2024.03.31~ubuntu0.1 [275 kB]
Dep:93 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libpckegerv1-1182-10 amd64 1.2.8~ubuntu0.1.2 [120 kB]
Dep:94 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libpckegerv1-1182-10~ubuntu0.1.2 [120 kB]
Dep:95 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libpcktr1 amd64 1.24~ubuntu0.1.2 [55,2 kB]
Dep:96 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libpcktr1-agent-1-0 amd64 1.24~ubuntu0.1.2 [17,4 kB]
Dep:97 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libpcktr1-globjct-1-0 amd64 1.24~ubuntu0.1.2 [49,1 kB]
Dep:98 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libpcktr1-globjct-1-0~ubuntu0.1.2 [49,1 kB]
Dep:99 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libplymouth-theme-ubuntu-text amd64 24.004.69~ubuntu0.7.1 [9,924 kB]
Dep:100 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 plymouth amd64 24.004.69~ubuntu0.7.1 [134 kB]
Dep:101 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 powernmg-base amd64 1.3.7~ubuntu0.1.1 [7,658 kB]
Dep:102 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 tlpconfig amd64 4.9~ubuntu0.1.1 [49,0 kB]
Dep:103 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdevmmaper-event1-0.2 amd64 21.02.185~ubuntu0.2 [12,6 kB]
Dep:104 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 cryptsetup-bin amd64 210.7.0~ubuntu0.2 [211 kB]
Dep:105 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 cryptsetup amd64 210.7.0~ubuntu0.2 [208 kB]
Dep:106 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdevmmaper-event1-0.2 amd64 21.02.185~ubuntu0.2 [12,6 kB]
Dep:107 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdevmmaper-event1-0.2~ubuntu0.2 [12,6 kB]
Dep:108 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 liblvm2cmd0.03 amd64 2.03.16~ubuntu0.2 [797 kB]
Dep:109 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 dmeventd amd64 2:1.92.185~ubuntu0.2 [58,0 kB]
Dep:110 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 fdisk amd64 2.39.3~ubuntu0.3 [122 kB]
Dep:111 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libblkid0 amd64 1.1.0~ubuntu0.1 [24.04.1 [136 kB]
Dep:112 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 faupd amd64 1.9.81~ubuntu0.7.1 [24.04.1 [4.592 kB]
58% [112 faupd 2.259 kB/4.592 kB 49%
```

Luego instalamos los net-tools

```
Configurando cloud-initramfs-cryptomod (0.49~24.04.1) ...
Configurando cloud-initramfs-dyn-netconf (0.49~24.04.1) ...
Configurando overlayroot (0.49~24.04.1) ...
Configurando cryptsetup-initramfs (2.1.0~ubuntu0.2) ...
update-initramfs: Generating /boot/initrd.img-6.8.0-8-generic [49,0 kB]
Dep:104 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 cryptsetup-bin amd64 210.7.0~ubuntu0.2 [211 kB]
Dep:105 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 cryptsetup amd64 210.7.0~ubuntu0.2 [208 kB]
Dep:106 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdevmmaper-event1-0.2 amd64 21.02.185~ubuntu0.2 [12,6 kB]
Dep:107 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libdevmmaper-event1-0.2~ubuntu0.2 [12,6 kB]
Dep:108 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 liblvm2cmd0.03 amd64 2.03.16~ubuntu0.2 [797 kB]
Dep:109 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 dmeventd amd64 2:1.92.185~ubuntu0.2 [58,0 kB]
Dep:110 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 fdisk amd64 2.39.3~ubuntu0.3 [122 kB]
Dep:111 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 libblkid0 amd64 1.1.0~ubuntu0.1 [24.04.1 [136 kB]
Dep:112 http://archive.ubuntu.com/ubuntu/noble-updates/main amd64 faupd amd64 1.9.81~ubuntu0.7.1 [24.04.1 [4.592 kB]
58% [112 faupd 2.259 kB/4.592 kB 49%]
```

Ahora toca hacer un install locales

```
Aplicaciones 18 de nov 4:41 PM Ubuntu Server 24.04 LTS

/etc/needrestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
dan 0 session #1: login[1966]
dan 0 user manager service: systemd[1341]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
dandblagovs@:~$ sudo apt install net-tools
[...]
password for dan:
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes NUEVOS:
net-tools

0 actualizados, 1 nuevos se instalarán, 0 para eliminar y 1 no actualizados.
Se necesita descargar 204 kB de archivos.
Se utilizarán 811 kB de espacio de disco adicional después de esta operación.
Usando http://archive.ubuntu.com/ubuntu/mirrored-updates/main amd64 net-tools amd64 2.10-0.1ubuntu4.4 [204 kB]
Descargando net-tools_2.10-0.1ubuntu4.4_all.deb (46 kB)
Seleccionando el paquete net-tools previamente no seleccionado.
(Leyendo la base de datos ... 84541 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar net-tools_2.10-0.1ubuntu4.4_amd64.deb ...
Desempaquetando net-tools (2.10-0.1ubuntu4.4) ...
Configurando net-tools (2.10-0.1ubuntu4.4) ...
Procesando disparadores para man-db (2.12.0-4ub10.2) ...
Scanning processes...
Scanning candidates...
Scanning linux Images...

Running kernel seems to be up-to-date.

Restarting services...

Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
dan 0 session #1: login[1966]
dan 0 user manager service: systemd[1341]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
dandblagovs@:~$ sudo apt install locales-
```

## Ahora hacemos un reconfigure de locales

```
Aplicaciones 18 de nov 4:42 PM Ubuntu Server 24.04 LTS

daniel@laptop:~$ sudo apt update
[sudo] password for daniel:
Leyendo lista de paquetes... Hecho
Creado árbol de dependencias... Hecho
Leyendo información de estado... Hecho
Se instalarán los siguientes paquetes NUEVOS:
  net-tools
  o actualizados , 1 nuevo se instalarán, 0 para eliminar y 1 no actualizados.
  Se han descargado 204 kB en 0s (408 kB/s).
  Se utilizarán 811 kB de espacio de disco adicional después de esta operación.
Desi: http://archive.ubuntu.com/ubuntu/nobie-updates/main amd64 net-tools amd64 2.10-0.1ubuntu4.4 [204 kB]
Descargados 204 kB en 0s (408 kB/s)
  Selectando net-tools como el destino previamente no seleccionado.
  Leyendo la base de datos ... 84541 ficheros o directorios instalados actualmente.
Preparando para desempaquetar .../net-tools_2.10-0.1ubuntu4.4_amd64.deb ...
Desempaquetando net-tools (2.10-0.1ubuntu4.4) ...
Configurando net-tools (2.10-0.1ubuntu4.4) ...
Procesando triggers para man-db (2.12.6-4Build02) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

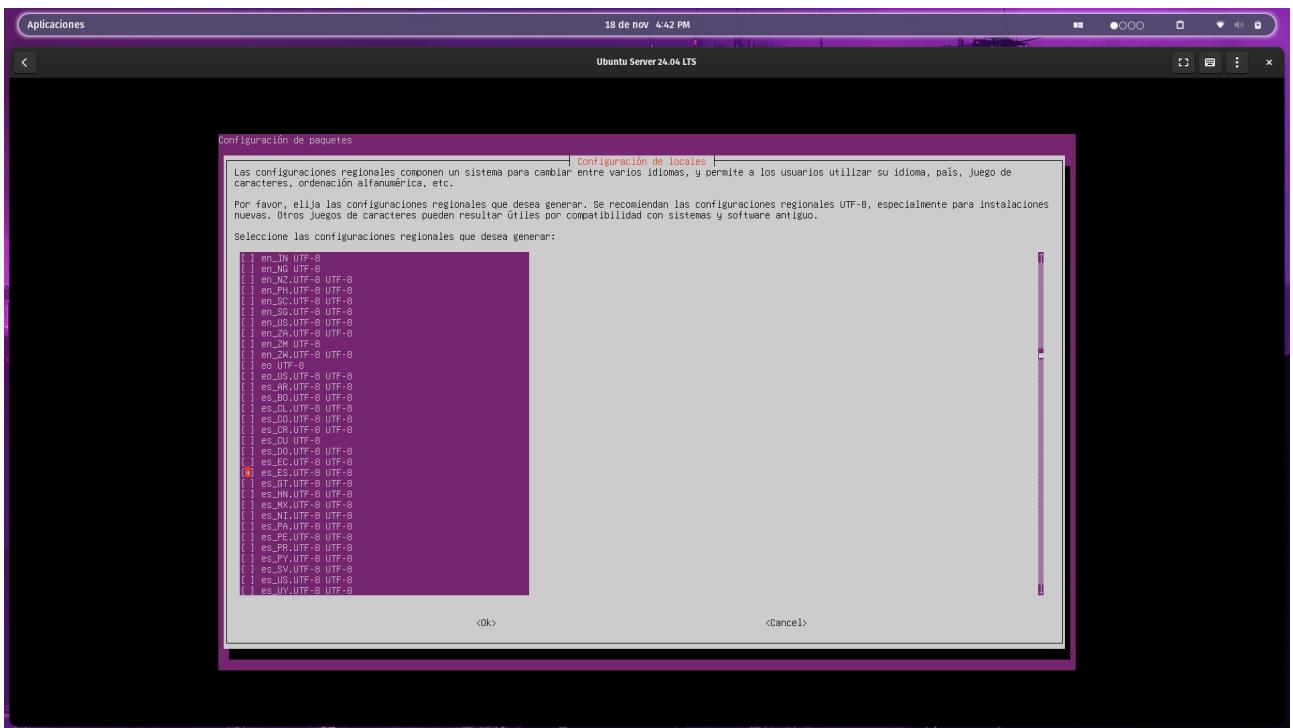
Restarting services...
Service restarts being deferred:
  /etc/needrestart/restart.d/dbus.service
  systemctl restart systemd-logind.service
  systemctl restart unattended-upgrades.service

No container need to be restarted.

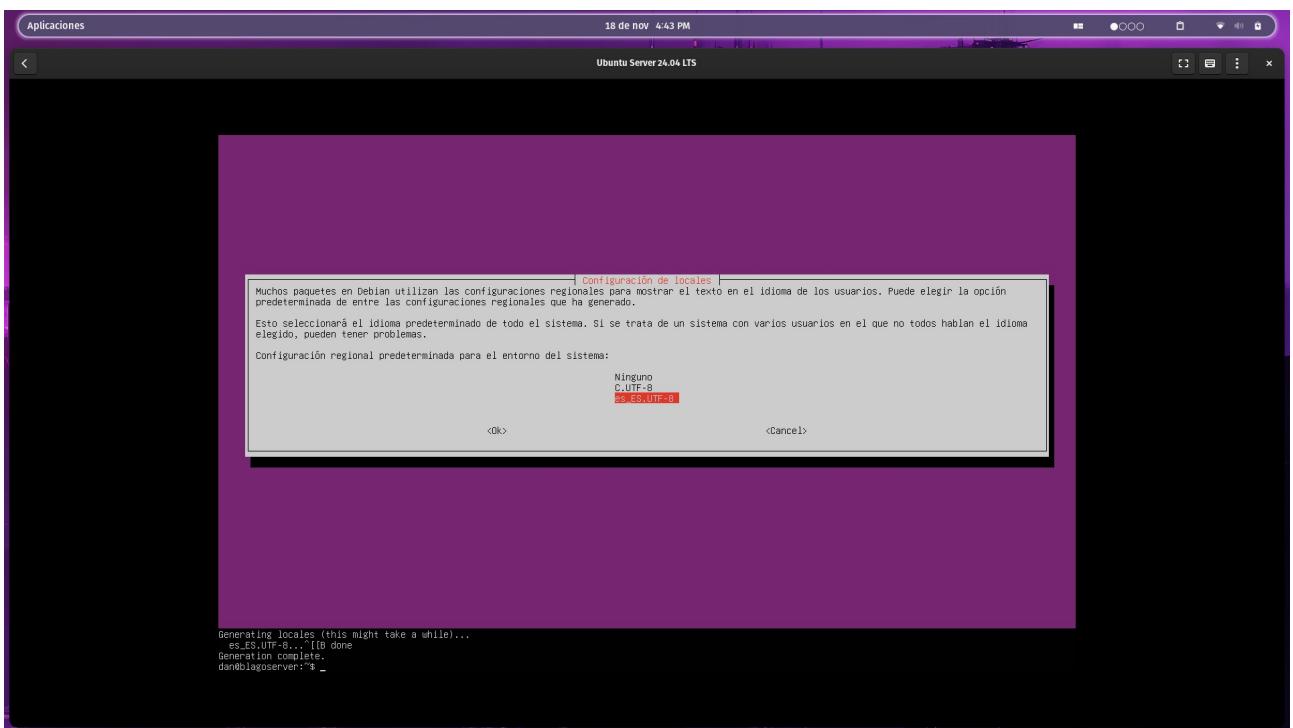
User sessions running outdated binaries:
daniel@laptop:~$ locale-gen
daniel@laptop:~$ sudo apt install locales
[sudo] password for daniel:
daniel@laptop:~$ user-manager service: systemd[1341]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
daniel@laptop:~$ sudo apt install locales
[sudo] password for daniel:
Leyendo lista de paquetes... Hecho
Creado árbol de dependencias... Hecho
Leyendo información de estado... Hecho
Locales que están en su versión más reciente (2.39-0ubuntu0.6).
  ninguna actualización disponible
  0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 1 no actualizados.
daniel@laptop:~$ sudo dpkg-reconfigure locales...
```

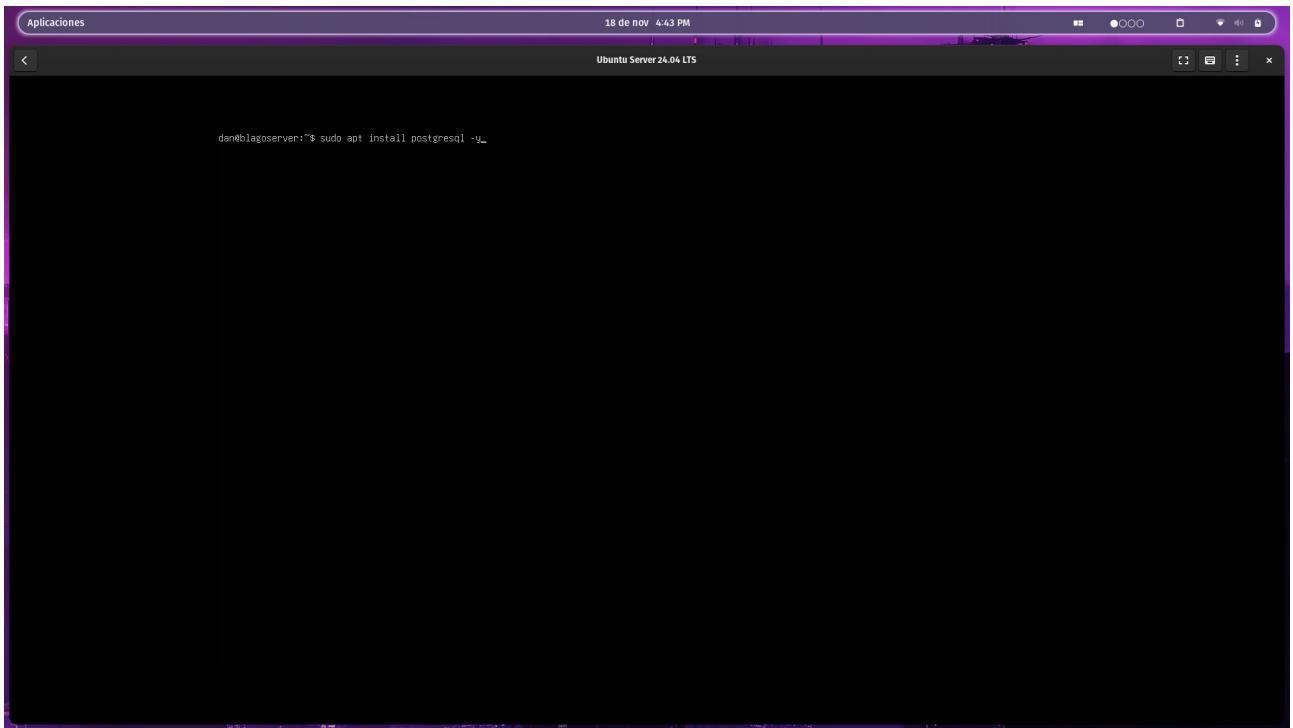
Ahora seleccionamos el idioma para los paquetes



Ahora confirmamos la operación



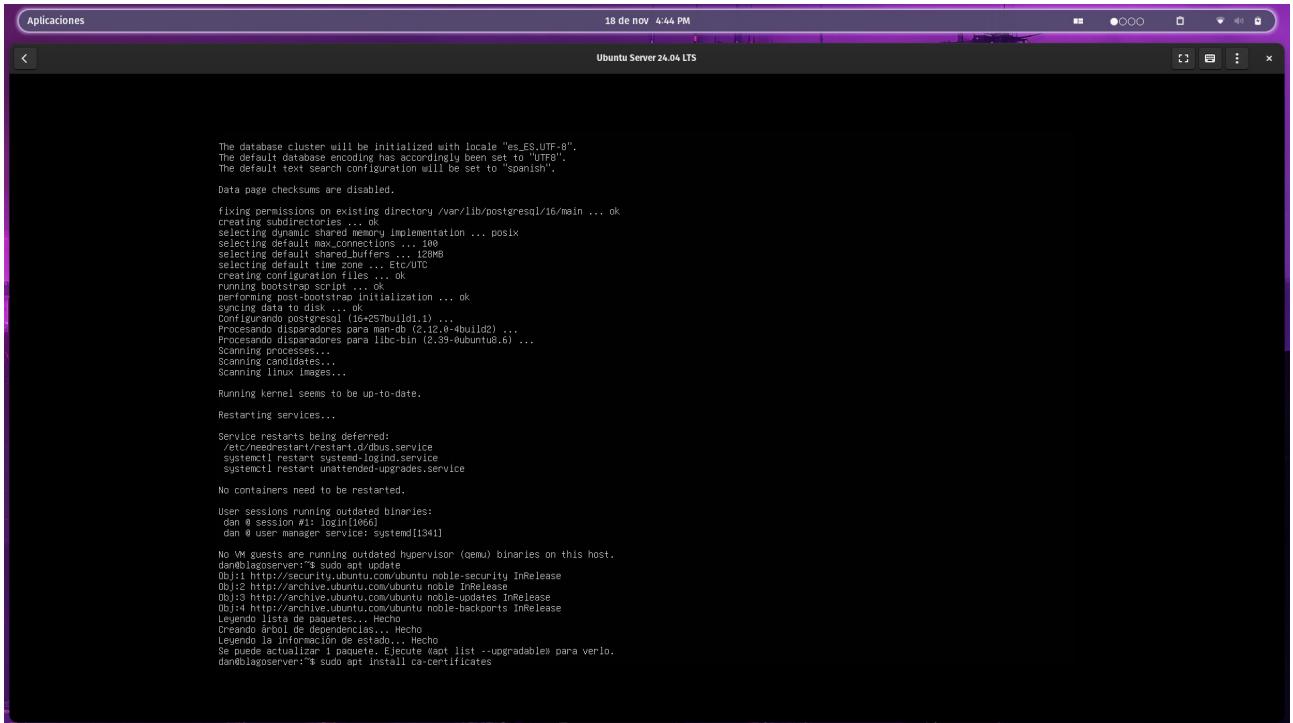
Instalamos postgresql



```
Aplicaciones 18 de nov 4:43 PM Ubuntu Server 24.04 LTS

dan@blagoserver:~$ sudo apt install postgresql -y
```

## Instalamos los certificates



```
Aplicaciones 18 de nov 4:44 PM Ubuntu Server 24.04 LTS

dan@blagoserver:~$ sudo apt install ca-certificates
The database cluster will be initialized with locale "es_ES.UTF-8".
The default database encoding has accordingly been set to "UTF8".
The default text search configuration will be set to "spanish".

Data page checksums are disabled.

creating subdirectories... ok
selecting default shared library implementation ... posix
selecting default socket representation ... ipv4
selecting default shared_buffers ... 128MB
selecting default time zone ... Etc/UTC
creating configuration files ... ok
running bootstrap script ... ok
performing post-bootstrap initialization ... ok
syncing data to disk ... ok
Configurando postgresql (16+cz57u0lhd1.1) ...
Procesando dependencias para libcurl4 (2:12.0.0-4build2) ...
Procesando dependencias para libc-bin (2.39-0ubuntu0.6) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

Restarting services...
Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
dan @ session #1: login[1066]
dan @ user manager service: systemd[1341]

No VM guests are running outdated hypervisor (emu) binaries on this host.

dan@blagoserver:~$ sudo apt update
Objs:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Objs:2 http://archive.ubuntu.com/ubuntu noble InRelease
Objs:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Objs:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se han actualizado 0 paquetes. Típico. Use apt list --upgradable para verlo.

dan@blagoserver:~$ sudo apt install ca-certificates
```

Vemos la ip para conectarnos por ssh con ip a y vemos que la ip es 192.168.1.170 y hacemos el wget...

```
Aplicaciones 18 de nov 4:57 PM Ubuntu Server 24.04 LTS

Scanning linux images...
Running kernel seems to be up-to-date.
Restarting services...
Service restarts being deferred:
/etc/mediarestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
dan @ session #1 [login@oe6]
dan @ user manager service: system[1341]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
dan@blogoserver:~$ sudo apt update
Objetivo: http://security.ubuntu.com/ubuntu noble-security InRelease
Objetivo: http://archive.ubuntu.com/ubuntu noble InRelease
Objetivo: http://archive.ubuntu.com/ubuntu noble-updates InRelease
Objetivo: http://archive.ubuntu.com/ubuntu noble-backports InRelease
Leiendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leiendo la información de estado... Hecho
Se ha actualizado el repositorio. Ejecute wget list --upgradable para verlo.
dan@blogoserver:~$ sudo apt install ca-certificates
Leiendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leiendo la información de estado... Hecho
ca-certificates ya está en su versión más reciente (20240203).
Fijado ca-certificates como instalado manualmente.
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 0 no actualizados.
dan@blogoserver:~$ 

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 brd 00:00:00:00:00:00 scope host lo
        valid_lft forever preferred_lft forever
        inet6 ::1/128 brd 00:00:00:00:00:00 scope global dynamic enip0
            valid_lft forever preferred_lft forever
2: enp0s: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 52:54:3a:00:00:00 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 metric 1000 scope global dynamic enp0s0
        valid_lft 60514sec preferred_lft 84514sec
        inet6 fe80::5054:fff:fe3a:c077/64 scope site dynamic mgmtmpaddr noprefixroute
            valid_lft 60517sec preferred_lft 14107sec
            inet6 fe00::/8 brd fe00::ff:ff:ff:ff:ff:ff scope link
                valid_lft forever preferred_lft forever
dan@blogoserver:~$ wget -q -O https://nightly.odoo.com/odoo.key | sudo gpg --dearmor -o /usr/share/keyrings/odoo-archive-keyring.gpg
```

Ahora toca el texto de la biblia con echo

```
Aplicaciones 18 de nov 4:59 PM Ubuntu Server 24.04 LTS

Restarting services...
Service restarts being deferred:
/etc/mediarestart/restart.d/dbus-service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
dan @ session #1 [login@oe6]
dan @ user manager service: system[1341]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
dan@blogoserver:~$ sudo apt update
Objetivo: http://security.ubuntu.com/ubuntu noble-security InRelease
Objetivo: http://archive.ubuntu.com/ubuntu noble InRelease
Objetivo: http://archive.ubuntu.com/ubuntu noble-updates InRelease
Objetivo: http://archive.ubuntu.com/ubuntu noble-backports InRelease
Leiendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leiendo la información de estado... Hecho
Se puede actualizar 1 paquete. Ejecute wget list --upgradable para verlo.
dan@blogoserver:~$ sudo apt install ca-certificates
Leiendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leiendo la información de estado... Hecho
ca-certificates ya está en su versión más reciente (20240203).
Fijado ca-certificates como instalado manualmente.
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 0 no actualizados.
dan@blogoserver:~$ 

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 brd 00:00:00:00:00:00 scope host lo
        valid_lft forever preferred_lft forever
        inet6 ::1/128 brd 00:00:00:00:00:00 scope global dynamic enip0
            valid_lft forever preferred_lft forever
2: enp0s: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 52:54:3a:00:00:00 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 metric 1000 scope global dynamic enp0s0
        valid_lft 60514sec preferred_lft 84514sec
        inet6 fe80::5054:fff:fe3a:c077/64 scope site dynamic mgmtmpaddr noprefixroute
            valid_lft 60517sec preferred_lft 14107sec
            inet6 fe00::/8 brd fe00::ff:ff:ff:ff:ff:ff scope link
                valid_lft forever preferred_lft forever
dan@blogoserver:~$ wget -q -O https://nightly.odoo.com/odoo.key | sudo gpg --dearmor -o /usr/share/keyrings/odoo-archive-keyring.gpg
dan@blogoserver:~$ echo $deb [signed-by=/usr/share/keyrings/odoo-archive-keyring.gpg] https://nightly.odoo.com/17.0/nightly/deb/ ./ | sudo tee /etc/apt/source.list.d/odoo.list
deb [signed-by=/usr/share/keyrings/odoo-archive-keyring.gpg] https://nightly.odoo.com/17.0/nightly/deb/ ./
```

Toca lo importante, instalar odoo

```
Aplicaciones 18 de nov 4:59 PM Ubuntu Server 24.04 LTS

Restarting services...
Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
dan @ session #1: login[1066]
dan @ user manager service: system[1341]

No VM guests are running outdated hypervisor (qemu) binaries on this host.

dan@blagoserver:~$ sudo apt update
0b1j1: http://security.ubuntu.com/ubuntu noble InRelease
0b1j2: http://archive.ubuntu.com/ubuntu noble InRelease
0b1j3: http://archive.ubuntu.com/ubuntu noble-updates InRelease
0b1j4: http://archive.ubuntu.com/ubuntu noble-backports InRelease
Legendado lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Legendado la información de estado... Hecho
Se puede actualizar el paquete 'Eject'. Use apt list --upgradable para verlo.
dan@blagoserver:~$ sudo apt install ca-certificates
Legendado lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Legendado la información de estado... Hecho
ca-certificates ya está en su versión más reciente (20240209).
filado ca-certificates como instalado manualmente.
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 1 no actualizados.
dan@blagoserver:~$ ls /proc/1/dropin/*_UP LOWER_UP
ls: /proc/1/dropin/*_UP LOWER_UP: no such file or directory
link /proc/1/dropin/_LOWER_UP mtu 1500 qdisc pfifo_fast state UNKNOWN group default qlen 1000
inet 127.0.0.1/8 brd 00:00:00:00:00:00 scope host lo
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00 state global dynamic enp1s0
        valid_lft forever preferred_lft forever
        inet6 ::1/128 brd :: scope host no_prefixroute
            valid_lft forever preferred_lft forever
            inet6 fe80::1%enp1s0/64 brd fe80::ff:fe%enp1s0/64 scope site dynamic mgmtmpaddr no_prefixroute
                valid_lft forever preferred_lft forever
                inet6 fe80::1%enp1s0/64 brd fe80::ff:fe%enp1s0/64 scope site dynamic mgmtmpaddr no_prefixroute
                    valid_lft forever preferred_lft forever
dan@blagoserver:~$ wget -q -O - https://nightly.odoo.com/odoo.key | sudo gpg --dearmor -o /usr/share/keyrings/odoo-archive-keyring.gpg
dan@blagoserver:~$ echo "deb [signed-by=/usr/share/keyrings/odoo-archive-keyring.gpg] https://nightly.odoo.com/17.0/nightly/deb/ ./" | sudo tee /etc/apt/source
list
dan@blagoserver:~$ deb [signed-by=/usr/share/keyrings/odoo-archive-keyring.gpg] https://nightly.odoo.com/17.0/nightly/deb/ ./
dan@blagoserver:~$ sudo apt-get update && sudo apt-get install odoo
```

## Comprobamos si estamos activos

```
Aplicaciones 18 de nov 5:04 PM Ubuntu Server 24.04 LTS

Configurando python3-reportlab (3.4.1-0+4) ...
Configurando python3-pip (23.4.2+ds-1) ...
update-alternatives: utilizando /usr/bin/python3-3.8 para proveer /usr/bin/python (python) en modo automático
Configurando libpangoft2-1.0-0:amd64 (1.52.1+ds-1build1) ...
Configurando libpangocairo-1.0-0:amd64 (1.52.1+ds-1build1) ...
Configurando libpango-1.0-0:amd64 (1.52.1+ds-1build1) ...
Configurando libpango-cairo-1.0-0:amd64 (1.52.1+ds-1build1) ...
Configurando libpangoft2-1.0-0:amd64 (1.52.1+ds-1build1) ...
Configurando libpyc6 (2.42.2-2~ubuntus1) ...
Configurando graphviz (2.42.2-2~ubuntus1) ...
Configurando libbz2-1.1-0:amd64 (1.1-2+ds-1) ...
Procesando disparadores para man-db-base (1.31) ...
Configurando python3-docutils (0.20.1+dfsg-3) ...
Procesando disparadores para libc-bin (2.39-ubuntus8.6) ...
Procesando disparadores para man-db (2.12.0-4ubuntus2) ...
Configurando libbz2-1.1-0:amd64 (1.1-2+ds-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/odoo.service → /usr/lib/systemd/system/odoo.service.
Scanning processes...
Scanning candidates...
Scanning Linux Images...
Running kernel seems to be up-to-date.
Restarting services...
Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
dan @ session #1: login[1066]
dan @ user manager service: system[1341]

No VM guests are running outdated hypervisor (qemu) binaries on this host.

dan@blagoserver:~$ service odoo status
● odoo.service - Odoo Open Source ERP and CRM
   Loaded: loaded (/usr/lib/systemd/system/odoo.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-11-10 16:01:05 UTC; 2mH 55s ago
     Main PID: 23907 (odoo)
       Tasks: 4 (limit: 4576)
      Memory: 92.4M (peak: 92.8M)
        CPU: 600ms
      CGroup: /system.slice/odoo.service
              └─ 23907 /usr/bin/python3 /usr/bin/odoo --config /etc/odoo/odoo.conf --logfile /var/log/odoo/odoo-server.log

nov 18 16:01:05 blagoserver systemd[1]: Started odoo.service - Odoo Open Source ERP and CRM.
nov 18 16:01:05 blagoserver odoo[23907]: Warn: Can't find .pfb for face 'Courier'
dan@blagoserver:~$
```

y asignamos puertos

```
upgrading-alternatives: utilizando /usr/bin/python3-gr para proveer /usr/bin/gr (gr) en modo automático
Configurando libnangofit2-1.0-0:amd64 (1.52.1+ds-1build1)
Configurando libnangocaliro-1.0-0:amd64 (1.52.1+ds-1build1) ...
Configurando libxaw6:amd64 (2:1.1.3-3build2) ...
Configurando libxmu6:amd64 (2:1.0.14-1build2) ...
Configurando graphviz (2.42.2-2~Ubuntu0.1) ...
Configurando python3-pydot (1.4.2-2) ...
Procesando disparadores para sgml-base (1.91) ...
Configurando libxaw6:amd64 (2:1.1.3-3build2) ...
Procesando disparadores para libc-bin (2.39-1ubuntu0.6) ...
Procesando disparadores para man-db (2.12.0-4build2) ...
Configurando odoo (17.0-20251118) ...
Creating symlink /etc/systemd/system/multi-user.target.wants/odoo.service → /usr/lib/systemd/system/odoo.service.
Scanning processes...
Scanning candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

Restarting services...
Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart systemd-logind.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

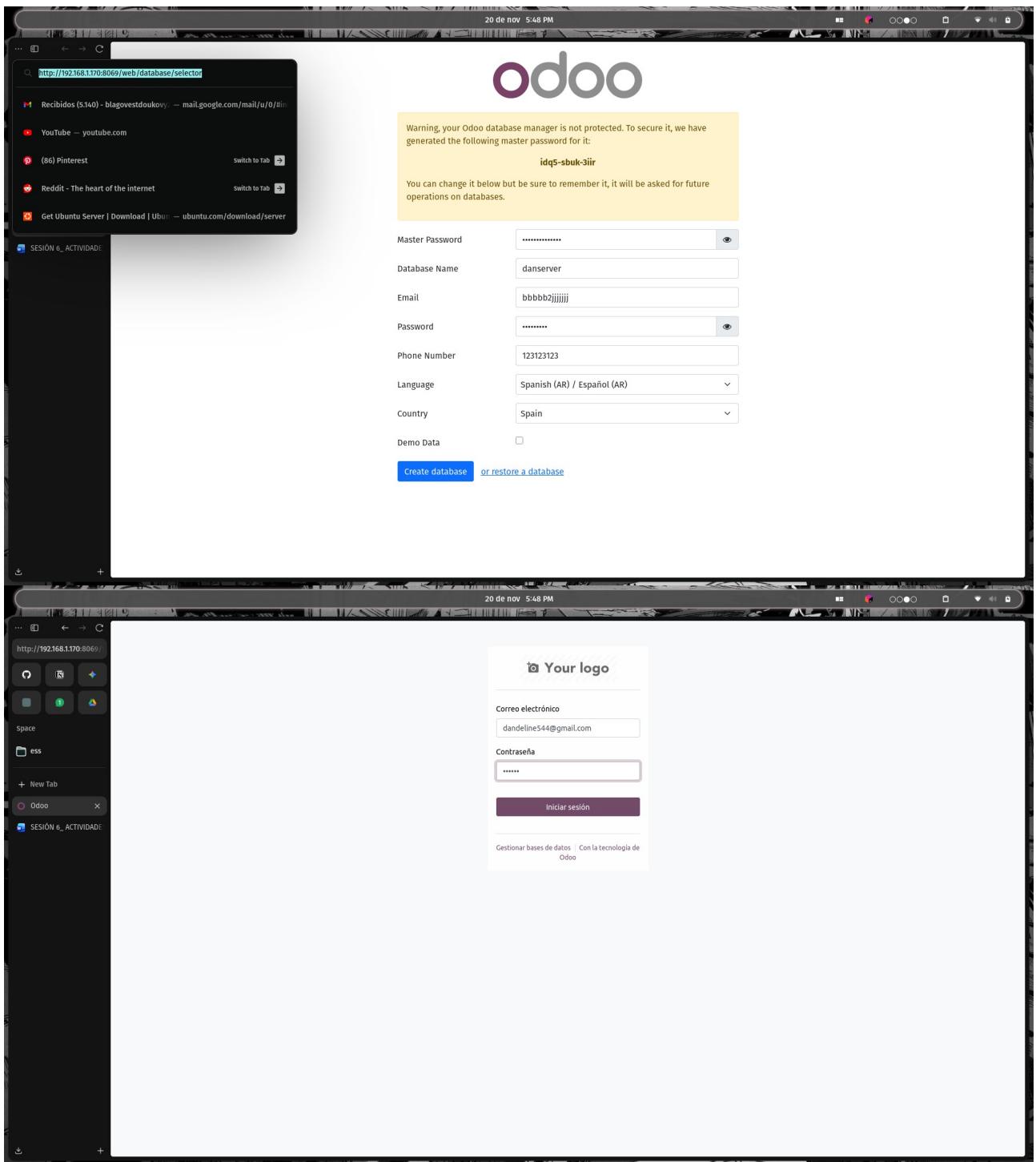
User sessions running outdated binaries:
dan 0 session #1: login[1064]
dan 0 user manager service[1341]

No VM guests are running outdated supervisor (qemu) binaries on this host.

dan@blagoserver: ~ $ sudo apt update
dan@blagoserver: ~ $ sudo apt upgrade
dan@blagoserver: ~ $ sudo apt install odoo
dan@blagoserver: ~ $ sudo systemctl start odoo
dan@blagoserver: ~ $ netstat -an | grep 8069
tcp        0      0 0.0.0.0:8069          0.0.0.0:*        LISTEN      off (0.00/0/0)

dan@blagoserver:~$
```

Nos conectamos desde el navegador y ponemos las credenciales para iniciar



ahora asignamos una nueva contraseña a odoo

```
dan@danserver:~$ sudo passwd odoo
[sudo] password for dan:
New password:
Retype new password:
passwd: password updated successfully
dan@danserver:~$ 
```

Ahora toca hacer usermod

```
dan@danserver:~$ usermod -s /bin/bash odoo
usermod: Permission denied.
usermod: cannot lock /etc/passwd; try again later.
dan@danserver:~$ sudo usermod -s /bin/bash odoo
dan@danserver:~$ 
```

Seguidamente vemos todo lo que hay dentro de odoo-server.log

```
dan@danserver:~$ sudo cat /var/log/odoo/odoo-server.log
2025-11-20 16:34:03,724 13406 INFO ? odoo: Odoo version 17.0-20251120
2025-11-20 16:34:03,724 13406 INFO ? odoo: Using configuration file at /etc/odoo/odoo.conf
2025-11-20 16:34:03,724 13406 INFO ? odoo: addons paths: ['/usr/lib/python3/dist-packages/odo
o/addons', '/var/lib/odoo/.local/share/Odoo/addons/17.0']
2025-11-20 16:34:03,724 13406 INFO ? odoo: database: odoo@default:default
2025-11-20 16:34:03,858 13406 INFO ? odoo.addons.base.models.ir_actions_report: You need wkhtmltopdf to print a pdf version of the reports.
2025-11-20 16:34:03,970 13406 INFO ? odoo.service.server: HTTP service (werkzeug) running on
danserver:8069
2025-11-20 16:46:48,538 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:48] "GET /
HTTP/1.1" 303 - 1 0.001 0.014
2025-11-20 16:46:48,553 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:48] "GET /
web HTTP/1.1" 303 - 2 0.002 0.009
2025-11-20 16:46:49,094 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/database/selector HTTP/1.1" 200 - 2 0.002 0.537
2025-11-20 16:46:49,129 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/dist/css/bootstrap.css HTTP/1.1" 200 - 1 0.002 0.017
2025-11-20 16:46:49,131 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/js/dist/dom/event-handler.js HTTP/1.1" 200 - 1 0.002 0.017
2025-11-20 16:46:49,132 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/src/libs/fontawesome/css/font-awesome.css HTTP/1.1" 200 - 1 0.001 0.021
2025-11-20 16:46:49,134 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/js/dist/dom/data.js HTTP/1.1" 200 - 1 0.002 0.021
2025-11-20 16:46:49,136 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/js/dist/dom/manipulator.js HTTP/1.1" 200 - 1 0.001 0.022
2025-11-20 16:46:49,150 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/js/dist/base-component.js HTTP/1.1" 200 - 1 0.002 0.008
2025-11-20 16:46:49,150 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
```

vemos todos los info

```
dan@danserver:~$ sudo cat /var/log/odoo/osoo-server.log | grep 'INFO'
cat: /var/log/odoo/osoo-server.log: No such file or directory
dan@danserver:~$ sudo cat /var/log/odoo/odoo-server.log | grep 'INFO'
2025-11-20 16:34:03,724 13406 INFO ? odoo: Odoo version 17.0-20251120
2025-11-20 16:34:03,724 13406 INFO ? odoo: Using configuration file at /etc/odoo/odoo.conf
2025-11-20 16:34:03,724 13406 INFO ? odoo: addons paths: ['/usr/lib/python3/dist-packages/odo
o/addons', '/var/lib/odoo/.local/share/Odoo/addons/17.0']
2025-11-20 16:34:03,724 13406 INFO ? odoo: database: odoo@default:default
2025-11-20 16:34:03,858 13406 INFO ? odoo.addons.base.models.ir_actions_report: You need wkhtmltopdf to print a pdf version of the reports.
2025-11-20 16:34:03,970 13406 INFO ? odoo.service.server: HTTP service (werkzeug) running on
danserver:8069
2025-11-20 16:46:48,538 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:48] "GET /
HTTP/1.1" 303 - 1 0.001 0.014
2025-11-20 16:46:48,553 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:48] "GET /
web HTTP/1.1" 303 - 2 0.002 0.009
2025-11-20 16:46:49,094 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/database/selector HTTP/1.1" 200 - 2 0.002 0.537
2025-11-20 16:46:49,129 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/dist/css/bootstrap.css HTTP/1.1" 200 - 1 0.002 0.017
2025-11-20 16:46:49,131 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/js/dist/dom/event-handler.js HTTP/1.1" 200 - 1 0.002 0.017
2025-11-20 16:46:49,132 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/src/libs/fontawesome/css/fontawesome.css HTTP/1.1" 200 - 1 0.001 0.021
2025-11-20 16:46:49,134 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/js/dist/dom/data.js HTTP/1.1" 200 - 1 0.002 0.021
2025-11-20 16:46:49,136 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/lib/bootstrap/js/dist/dom/manipulator.js HTTP/1.1" 200 - 1 0.001 0.022
2025-11-20 16:46:49,150 13406 INFO ? werkzeug: 192.168.1.90 - - [20/Nov/2025 16:46:49] "GET /
web/static/src/libs/fontawesome/components/scss/fontawesome-component.scss HTTP/1.1" 200 - 1 0.002 0.022
```

los warn

```
: Auto-vacuum internal data (0.04/s).
dan@danserver:~$ sudo cat /var/log/odoo/odoo-server.log | grep 'WARN'
dan@danserver:~$ 
```

vemos la version de odoo, psql y python para asegurarnos que estan instalados

```
dan@danserver:~$ sudo cat /var/log/odoo/odoo-server.log | grep 'WARN'
dan@danserver:~$ odoo --version
Odoo Server 17.0-20251120
dan@danserver:~$ psql --version
psql (PostgreSQL) 16.10 (Ubuntu 16.10-0ubuntu0.24.04.1)
dan@danserver:~$ python3 --version
Python 3.12.3
dan@danserver:~$ 
```

Instalamos pip

```
dans@danserver:~$ sudo apt-get install python3-pip
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bzip2 cpp cpp-13
  cpp-13-x86-64-linux-gnu cpp-x86-64-linux-gnu dpkg-dev fakeroot g++ g++-13
  g++-13-x86-64-linux-gnu g++-x86-64-linux-gnu gcc gcc-13 gcc-13-base
  gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libalgorithm-diff-perl
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan8 libatomic1 libbinutils
  libcc1-0 libctf-nobfd0 libctf0 libdpkg-perl libexpat1-dev libfakeroot
  libfile-fcntllock-perl libgcc-13-dev libgprofng0 libhwasan0 libisl23 libitm1
  libjs-sphinxdoc liblsan0 libmpc3 libpython3-dev libpython3.12-dev libquadmath0 libsframe1
  libstdc++-13-dev libtsan2 libubsan1 lto-disabled-list make python3-dev python3-wheel
  python3.12-dev zlib1g-dev
Paquetes sugeridos:
  binutils-doc gprofng-gui bzip2-doc cpp-doc gcc-13-locales cpp-13-doc debian-keyring
  g++-multilib g++-13-multilib gcc-13-doc gcc-multilib autoconf automake libtool flex bison
  gdb gcc-doc gcc-13-multilib gdb-x86-64-linux-gnu bzr libstdc++-13-doc make-doc
Se instalarán los siguientes paquetes NUEVOS:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bzip2 cpp cpp-13
  cpp-13-x86-64-linux-gnu cpp-x86-64-linux-gnu dpkg-dev fakeroot g++ g++-13
  g++-13-x86-64-linux-gnu g++-x86-64-linux-gnu gcc gcc-13 gcc-13-base
  gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libalgorithm-diff-perl
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan8 libatomic1 libbinutils
  libcc1-0 libctf-nobfd0 libctf0 libdpkg-perl libexpat1-dev libfakeroot
  libfile-fcntllock-perl libgcc-13-dev libgprofng0 libhwasan0 libisl23 libitm1
  libjs-sphinxdoc liblsan0 libmpc3 libpython3-dev libpython3.12-dev libquadmath0 libsframe1
```

listamos los paquetes instalados de python

```
dans@danserver:~$ sudo apt list --installed | grep python
WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

libpython3-dev/noble-updates,noble-security,now 3.12.3-0ubuntu2.1 amd64 [instalado, automático]
libpython3-stdlib/noble-updates,noble-security,now 3.12.3-0ubuntu2.1 amd64 [instalado, automático]
libpython3.12-dev/noble-updates,noble-security,now 3.12.3-1ubuntu0.8 amd64 [instalado, automático]
libpython3.12-minimal/noble-updates,noble-security,now 3.12.3-1ubuntu0.8 amd64 [instalado, automático]
libpython3.12-stdlib/noble-updates,noble-security,now 3.12.3-1ubuntu0.8 amd64 [instalado, automático]
libpython3.12t64/noble-updates,noble-security,now 3.12.3-1ubuntu0.8 amd64 [instalado, automático]
python-apt-common/noble-updates,now 2.7.7ubuntu5 all [instalado, automático]
python-babel-locatedata/noble,now 2.10.3-3build1 all [instalado, automático]
python3-apport/noble-updates,noble-security,now 2.28.1-0ubuntu3.8 all [instalado, automático]
python3-apt/noble-updates,now 2.7.7ubuntu5 amd64 [instalado, automático]
python3-attr/noble,now 23.2.0-2 all [instalado, automático]
python3-automat/noble,now 22.10.0-2 all [instalado, automático]
python3-babel/noble,now 2.10.3-3build1 all [instalado, automático]
python3-bcrypt/noble,now 3.2.2-1build1 amd64 [instalado, automático]
python3-blinker/noble,now 1.7.0-1 all [instalado, automático]
python3-boto3/noble,now 1.34.46+dfsg-1ubuntu1 all [instalado, automático]
python3-botocore/noble,now 1.34.46+repack-1ubuntu1 all [instalado, automático]
python3-bpfcc/noble,now 0.29.1+ds-1ubuntu7 all [instalado, automático]
python3-bs4/noble,now 4.12.3-1 all [instalado, automático]
python3-cached-property/noble,now 1.5.2-1 all [instalado, automático]
python3-cairo/noble,now 1.25.1-2build2 amd64 [instalado, automático]
python3-certifi/noble,now 2023.11.17-1 all [instalado, automático]
python3-cffi-backend/noble,now 1.16.0-2build1 amd64 [instalado, automático]
python3-chardet/noble,now 5.2.0+dfsg-1 all [instalado, automático]
python3-click/noble,now 8.1.6-2 all [instalado, automático]
python3-colorama/noble,now 0.4.6-4 all [instalado, automático]
python3-commandnotfound/noble,now 23.04.0 all [instalado, automático]
python3-configobj/noble,now 5.0.8-3 all [instalado, automático]
python3-constantly/noble,now 23.10.4-1 all [instalado, automático]
python3-cryptography/noble-updates,noble-security,now 41.0.7-4ubuntu0.1 amd64 [instalado, automático]
python3-cssselect/noble,now 1.2.0-2 all [instalado, automático]
```

hacemos un pip freeze

```
dan@danserver:~$ pip freeze
attrs==23.2.0
Automat==22.10.0
Babel==2.10.3
bcc==0.29.1
bcrypt==3.2.2
beautifulsoup4==4.12.3
blinker==1.7.0
boto3==1.34.46
botocore==1.34.46
cached-property==1.5.2
certifi==2023.11.17
chardet==5.2.0
click==8.1.6
cloud-init==25.2
colorama==0.4.6
command-not-found==0.3
configobj==5.0.8
constantly==23.10.4
cryptography==41.0.7
cssselect==1.2.0
dbus-python==1.3.2
decorator==5.1.1
defusedxml==0.7.1
distro==1.9.0
distro-info==1.7+build1
docopt==0.6.2
docutils==0.20.1
freetype-py==2.4.0
freezegun==1.2.1
geoip2==2.9.0
gevent==24.2.1
greenlet==3.0.3
html5lib==1.1
httplib2==0.20.4
hyperlink==21.0.0
idna==3.6
incremental==22.10.0
isodate==0.6.1
Jinja2==3.1.2
jmespath==1.0.1
jsonpatch==1.32
```

instalamos num2words

```
dan@danserver:~$ sudo apt install python3-dev libxml2-dev libxslt1-dev libldap2-dev libsasl2-dev libtiff5-dev libjpeg8-dev libopenjp2-7-dev zlib1g-dev libfreetype6-dev liblcms2-dev libwebp-dev libharfbuzz-dev libfribidi-dev libxcb1-dev libpq-dev apache2
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Nota, seleccionando «libfreetype-dev» en lugar de «libfreetype6-dev»
python3-dev ya está en su versión más reciente (3.12.3-0ubuntu2.1).
fijado python3-dev como instalado manualmente.
zlib1g-dev ya está en su versión más reciente (1:1.3.dfsg-3.1ubuntu2.1).
fijado zlib1g-dev como instalado manualmente.
Se instalarán los siguientes paquetes adicionales:
 apache2-bin apache2-data apache2-utils bzip2-doc gir1.2-freedesktop
 gir1.2-freedesktop-dev gir1.2-glib-2.0-dev gir1.2-harfbuzz-0.0 icu-devtools libapr1t64
 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 libblkid-dev libbrotli-dev
 libbz2-dev libcairo-gobject2 libdeflate-dev libffi-dev libgirepository-2.0-0
 libglib2.0-dev libglib2.0-dev-bin libgraphite2-dev libharfbuzz-cairo0
 libharfbuzz-gobject0 libharfbuzz-icu0 libharfbuzz-subset0 libicu-dev libjbig-dev
 libjpeg-dev libjpeg-turbo8-dev libldap-dev liblerc-dev liblua5.4-0 liblzma-dev
 libmount-dev libpcre2-16-0 libpcre2-32-0 libpcre2-dev libpcre2-posix3 libpkgconf3
 libpng-dev libpng-tools libpthread-stubs0-dev libselinux1-dev libsep-dev
 libsharpyuv-dev libssl-dev libtiff-dev libtiffxx6 libwebpdecoder3 libxau-dev libxdmcp-dev
 libzstd-dev pkg-config pkgconf pkgconf-bin uuid-dev x11proto-dev xorg-sgml-doctools
Paquetes sugeridos:
 apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser freetype2-doc
 libglib2.0-doc libgd-pixbuf2.0-bin libxml2-utils libgraphite2-utils icu-doc liblzma-doc
 postgresql-doc-16 libssl-doc libxcb-doc
Se instalarán los siguientes paquetes NUEVOS:
 apache2 apache2-bin apache2-data apache2-utils bzip2-doc gir1.2-freedesktop
 gir1.2-freedesktop-dev gir1.2-glib-2.0-dev gir1.2-harfbuzz-0.0 icu-devtools libapr1t64
 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 libblkid-dev libbrotli-dev
 libbz2-dev libcairo-gobject2 libdeflate-dev libffi-dev libfreetype-dev libfribidi-dev
 libgirepository-2.0-0 libglib2.0-dev libglib2.0-dev-bin libgraphite2-dev
 libharfbuzz-cairo0 libharfbuzz-dev libharfbuzz-gobject0 libharfbuzz-icu0
 libharfbuzz-subset0 libicu-dev libjbig-dev libjpeg-dev libjpeg-turbo8-dev libjpeg8-dev
 liblcms2-dev libldap-dev libldap2-dev liblerc-dev liblua5.4-0 liblzma-dev libmount-dev
 libopenjp2-7-dev libpcre2-16-0 libpcre2-32-0 libpcre2-dev libpcre2-posix3 libpkgconf3
 libpng-dev libpng-tools libpq-dev libpthread-stubs0-dev libselinux1-dev
 libsep-dev libsharpyuv-dev libssl-dev libtiff-dev libtiff5-dev libtiffxx6 libwebp-dev
 libwebpdecoder3 libxau-dev libxcb1-dev libxdmcp-dev libxml2-dev libxslt1-dev libzstd-dev
 pkg-config pkgconf pkgconf-bin uuid-dev x11proto-dev xorg-sgml-doctools
0 actualizados, 75 nuevos se instalarán, 0 para eliminar y 2 no actualizados.
Se necesita descargar 30,7 MB de archivos.
Se utilizarán 133 MB de espacio de disco adicional después de esta operación.
```

instalamos paquetes de python

```

dan@danserver:~$ sudo apt install python3-dev libxml2-dev libxslt1-dev libldap2-dev libsasl2-dev libtiff5-dev libjpeg8-dev libopenjp2-7-dev zlib1g-dev libfreetype6-dev liblcms2-dev libwebp-dev libharfbuzz-dev libfribidi-dev libxcb1-dev libpq-dev apache2
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Nota, seleccionando «libfreetype-dev» en lugar de «libfreetype6-dev»
python3-dev ya está en su versión más reciente (3.12.3-0ubuntu2.1).
fijado python3-dev como instalado manualmente.
zlib1g-dev ya está en su versión más reciente (1:1.3.dfsg-3.1ubuntu2.1).
fijado zlib1g-dev como instalado manualmente.
Se instalarán los siguientes paquetes adicionales:
 apache2-bin apache2-data apache2-utils bzip2-doc gir1.2-freedesktop
 gir1.2-freedesktop-dev gir1.2-glib-2.0-dev gir1.2-harfbuzz-0.0 icu-devtools libapr1t64
 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 libblkid-dev libbrotli-dev
 libbz2-dev libcairo-gobject2 libdeflate-dev libffi-dev libgirepository-2.0-0
 libglib2.0-dev libglib2.0-dev-bin libgraphite2-dev libharfbuzz-cairo0
 libharfbuzz-gobject0 libharfbuzz-icu0 libharfbuzz-subset0 libicu-dev libjbig-dev
 libjpeg-dev libjpeg-turbo8-dev libldap-dev liblerc-dev liblua5.4-0 liblzma-dev
 libmount-dev libpcre2-16-0 libpcre2-32-0 libpcre2-dev libpcre2-posix3 libpkgconf3
 libpng-dev libpng-tools libpthread-stubs0-dev libselinux1-dev libsep0-dev
 libsharpyuv-dev libssl-dev libtiff-dev libtiffxx6 libwebpdecoder3 libxau-dev libxdmcp-dev
 libzstd-dev pkg-config pkgconf pkgconf-bin uuid-dev x11proto-dev xorg-sgml-doctools
Paquetes sugeridos:
 apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser freetype2-doc
 libglib2.0-doc libgd-pixbuf2.0-bin libxml2-utils libgraphite2-utils icu-doc liblzma-doc
 postgresql-doc-16 libssl-doc libxcb-doc
Se instalarán los siguientes paquetes NUEVOS:
 apache2 apache2-bin apache2-data apache2-utils bzip2-doc gir1.2-freedesktop
 gir1.2-freedesktop-dev gir1.2-glib-2.0-dev gir1.2-harfbuzz-0.0 icu-devtools libapr1t64
 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 libblkid-dev libbrotli-dev
 libbz2-dev libcairo-gobject2 libdeflate-dev libffi-dev libfreetype-dev libfribidi-dev
 libgirepository-2.0-0 libglib2.0-dev libglib2.0-dev-bin libgraphite2-dev
 libharfbuzz-cairo0 libharfbuzz-dev libharfbuzz-gobject0 libharfbuzz-icu0
 libharfbuzz-subset0 libicu-dev libjbig-dev libjpeg-dev libjpeg-turbo8-dev libjpeg8-dev
 liblcms2-dev libldap-dev libldap2-dev liblerc-dev liblua5.4-0 liblzma-dev libmount-dev
 libopenjp2-7-dev libpcre2-16-0 libpcre2-32-0 libpcre2-dev libpcre2-posix3 libpkgconf3
 libpng-dev libpng-tools libpq-dev libpthread-stubs0-dev libselinux1-dev
 libsep0-dev libsharpyuv-dev libssl-dev libtiff-dev libtiff5-dev libtiffxx6 libwebp-dev
 libwebpdecoder3 libxau-dev libxcb1-dev libxdmcp-dev libxml2-dev libxslt1-dev libzstd-dev
 pkg-config pkgconf pkgconf-bin uuid-dev x11proto-dev xorg-sgml-doctools
0 actualizados, 75 nuevos se instalarán, 0 para eliminar y 2 no actualizados.
Se necesita descargar 30,7 MB de archivos.
Se utilizarán 133 MB de espacio de disco adicional después de esta operación.

```

y finalmente comprobamos el estado del servidor

```

● odoo.service - Odoo Open Source ERP and CRM
   Loaded: loaded (/usr/lib/systemd/system/odoo.service; enabled; preset: enabled)
   Active: active (running) since Thu 2025-11-20 16:34:01 UTC; 28min ago
     Main PID: 13406 (odoo)
        Tasks: 4 (limit: 2268)
       Memory: 172.6M (peak: 192.6M)
          CPU: 11.605s
        CGroup: /system.slice/odoo.service
                  └─13406 /usr/bin/python3 /usr/bin/odoo --config /etc/odoo/odoo.conf --logfile />

nov 20 16:34:01 danserver systemd[1]: Started odoo.service - Odoo Open Source ERP and CRM.
nov 20 16:34:03 danserver odoo[13406]: Warn: Can't find .pfb for face 'Courier'

```