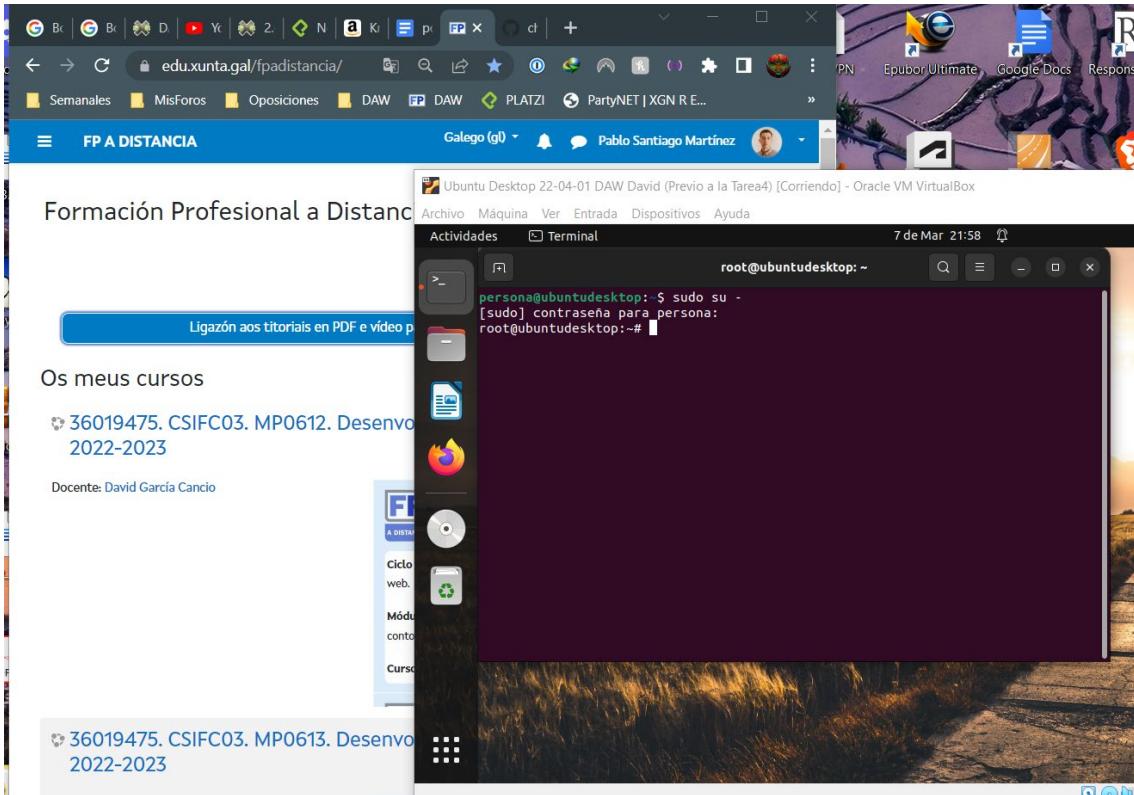
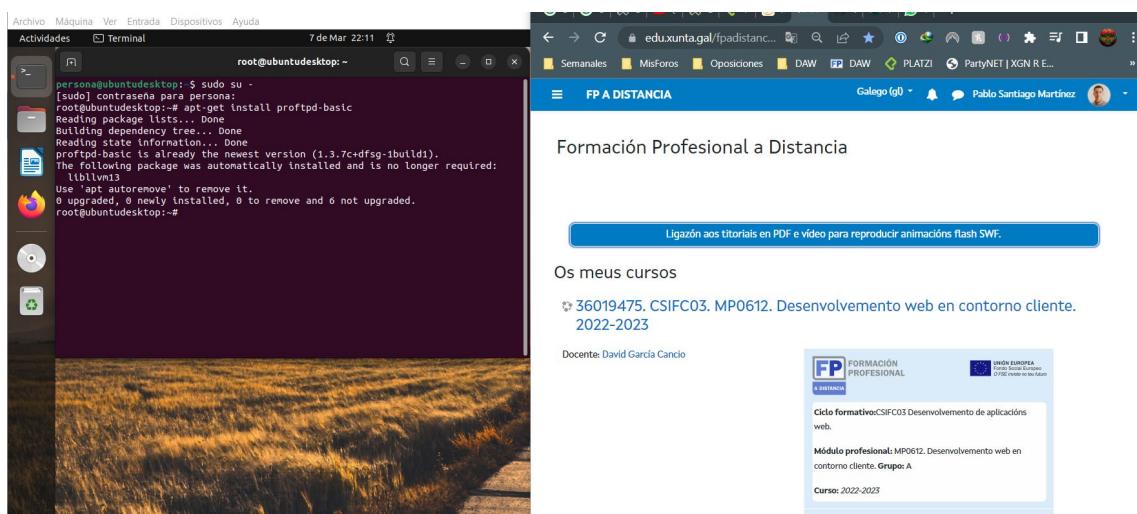


TAREA DAW 04

1. Instalar PROFTPD.

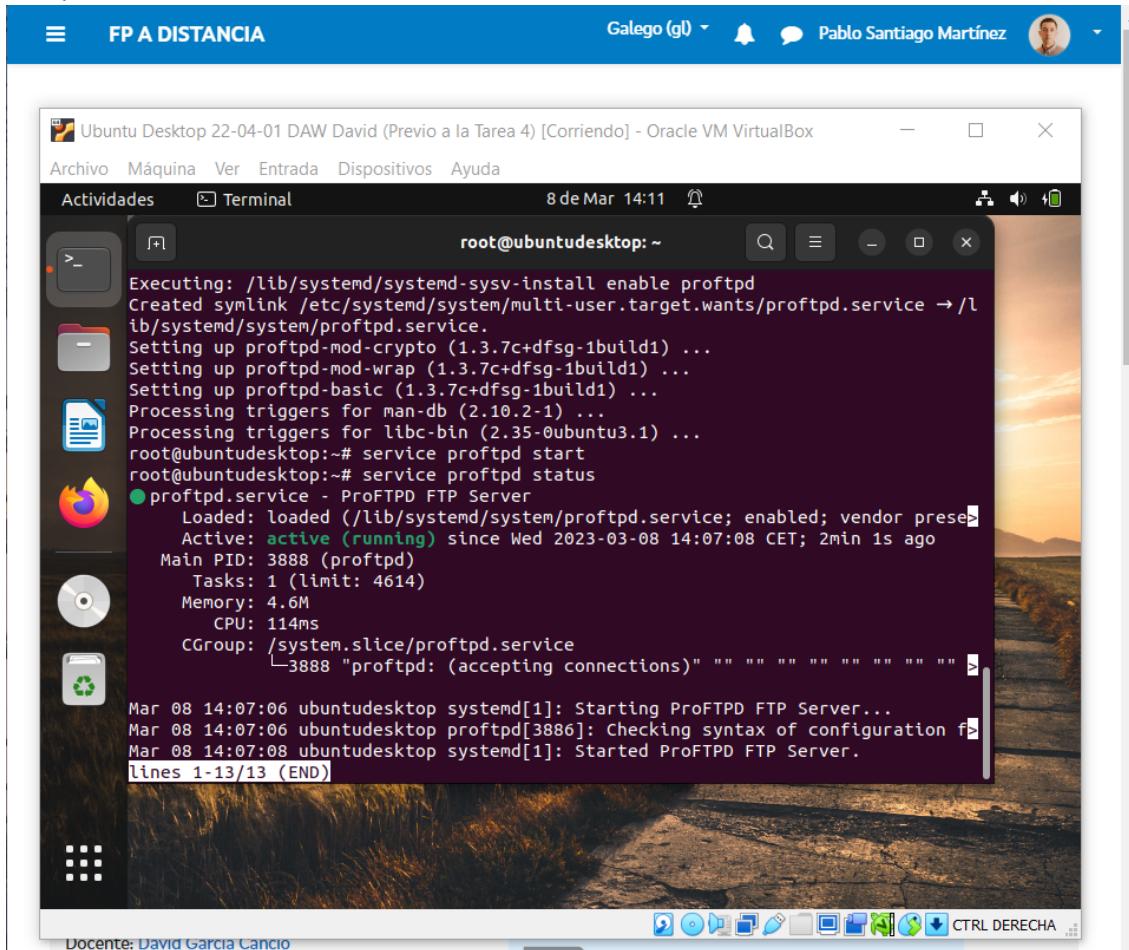


Introducimos el comando para pasar a modo root y facilitar las instalaciones con sudo su -.

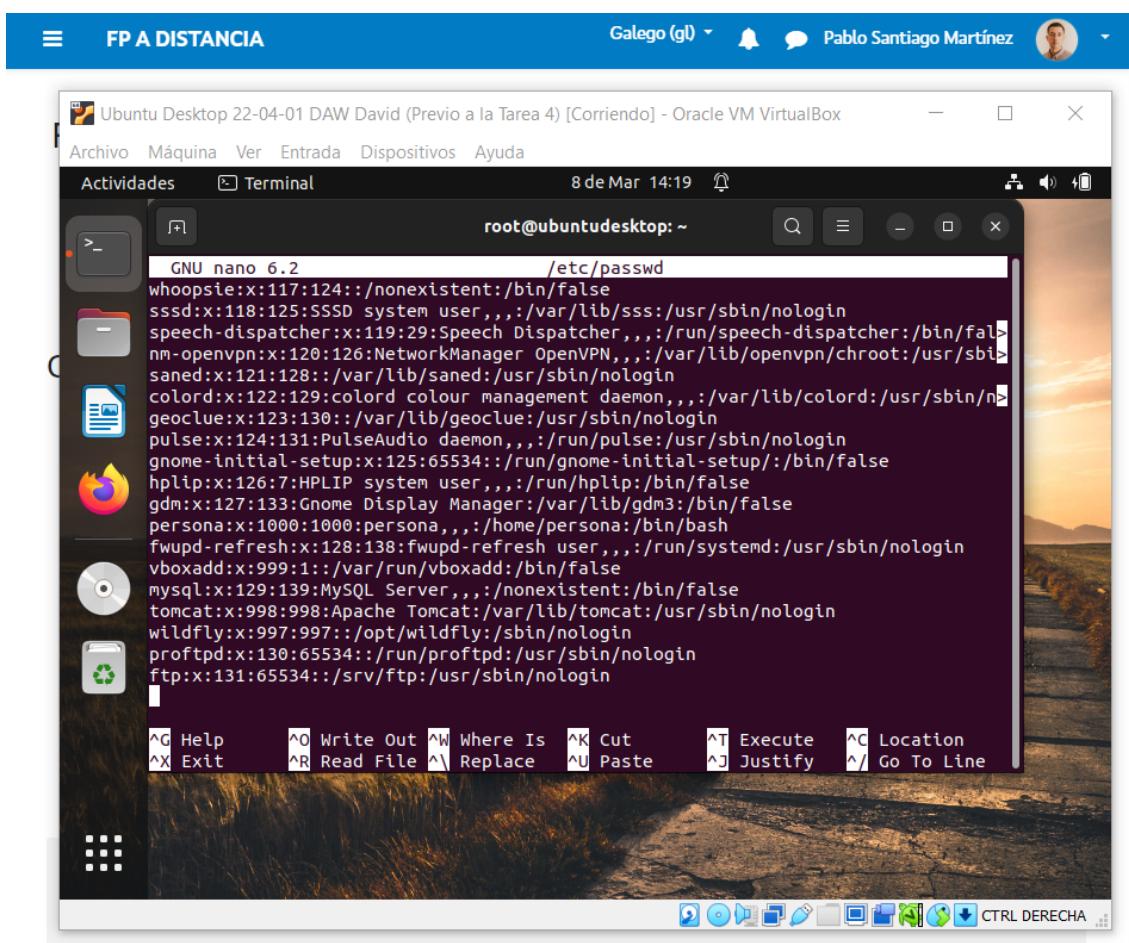


Realizamos la instalación de Proftpd.

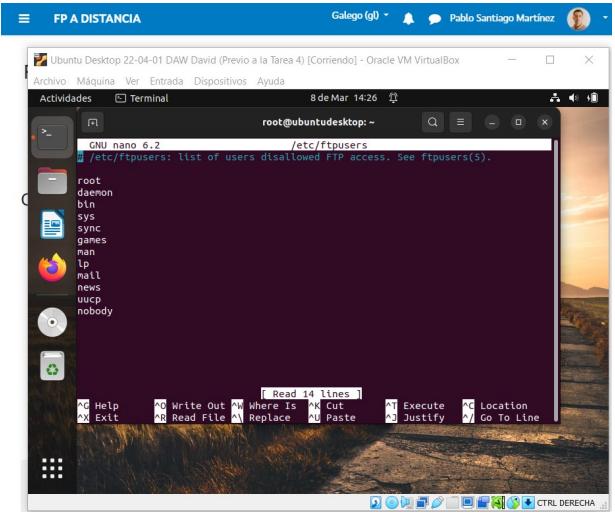
Comprobamos el estado del PROFTPD



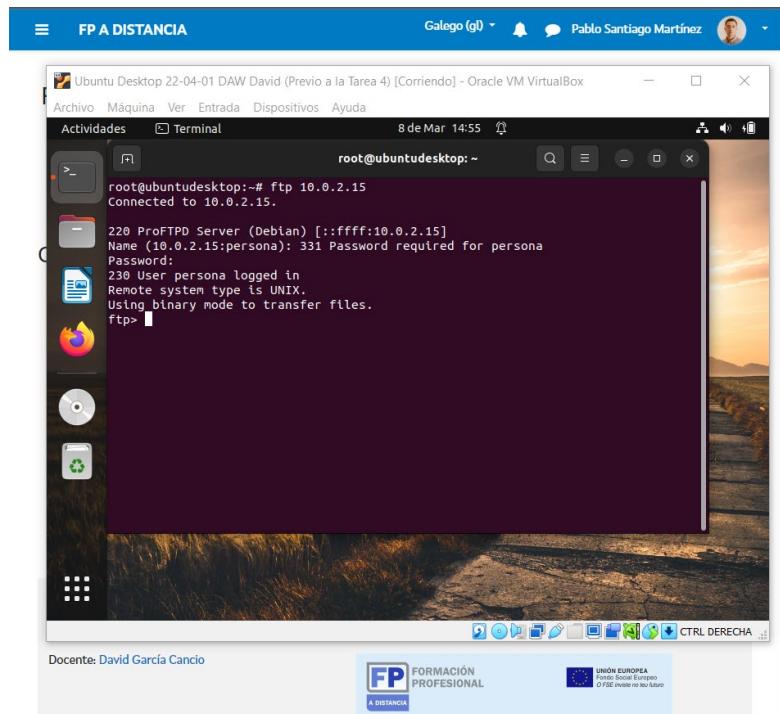
Este proceso crea dos usuarios en el archivo /etc/passwd como se muestra en la imagen:



Vemos que usuarios no pueden acceder al ftp para evitar problemas en el acceso:



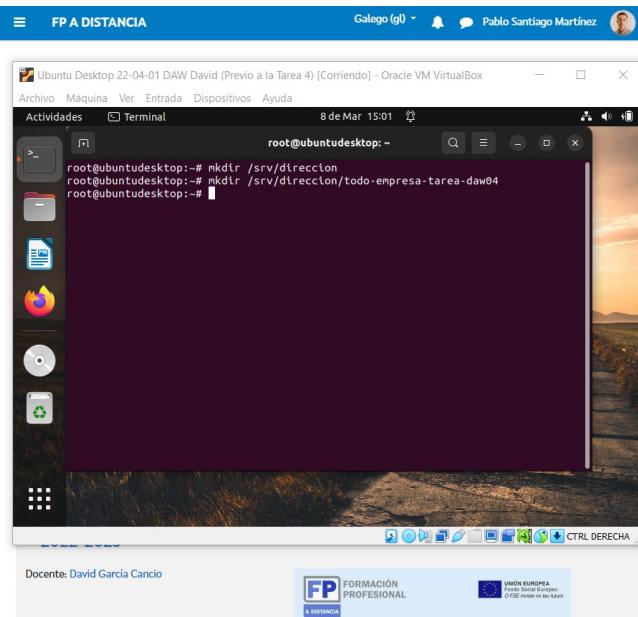
Nos conectamos al ftp a modo de prueba:



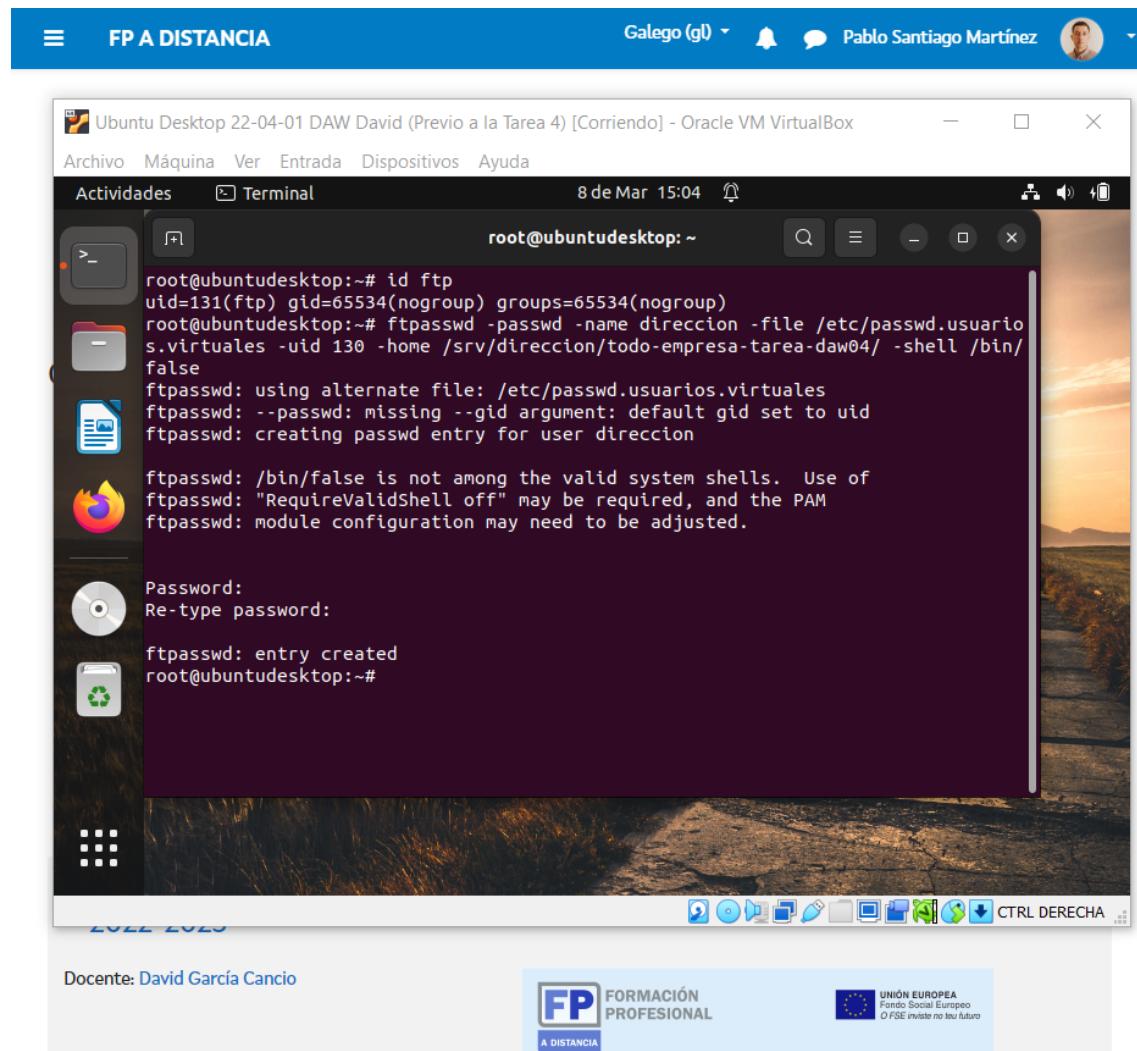
La conexión se produce correctamente con ftp + la ip que hemos comprobado en ifconfig y luego introducimos la password del usuario administrador.

2º APARTADO Configurar el servidor ProFTPD:

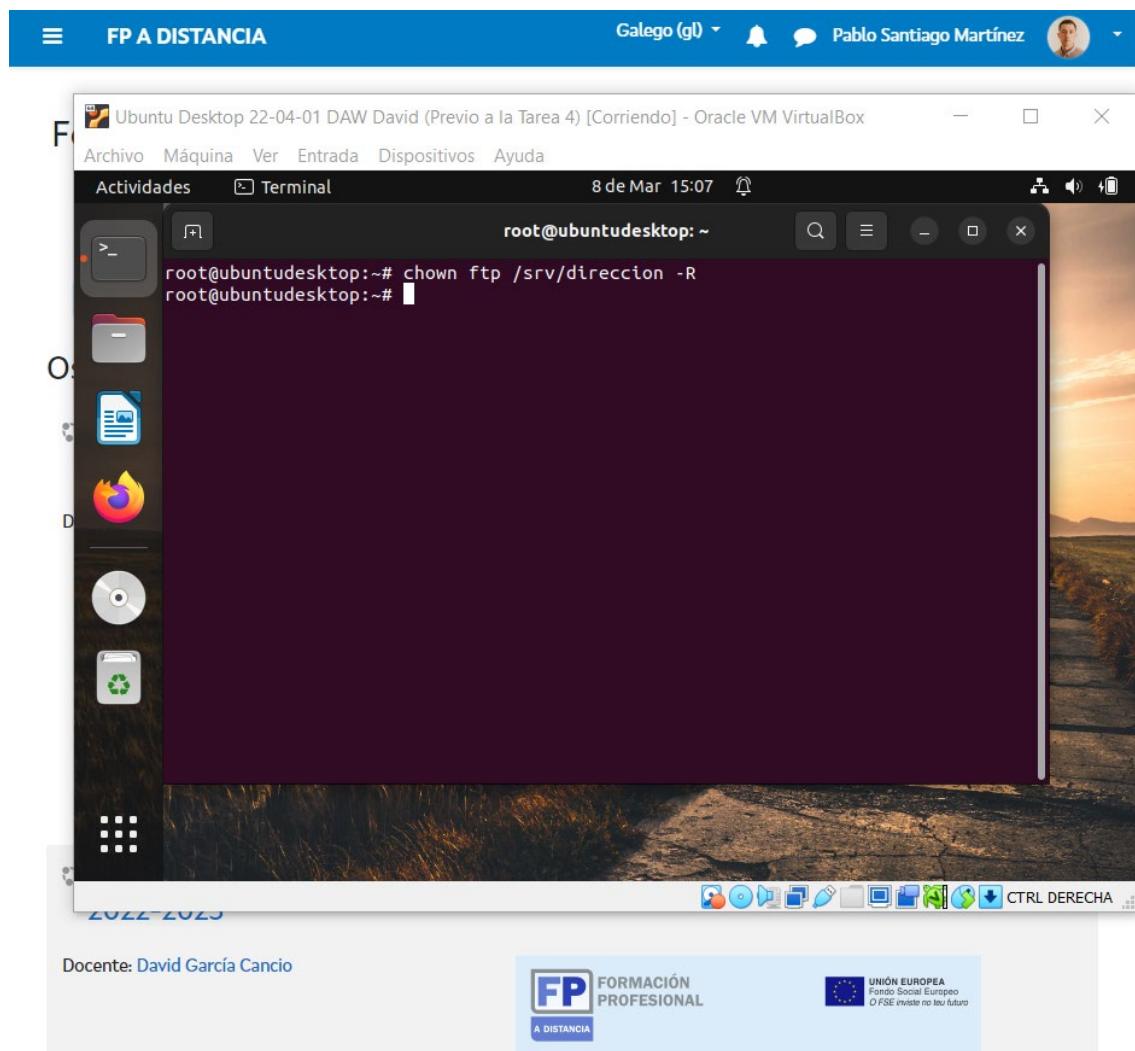
Creamos los directorios a los que accederá el ftp.



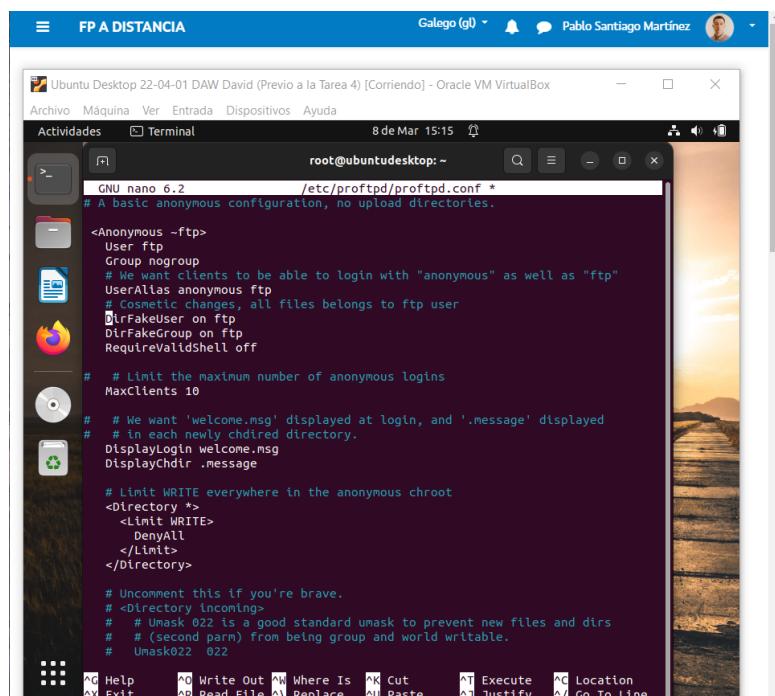
Creamos el usuario dirección con la id asociada mediante los comandos que se ven en la imagen:



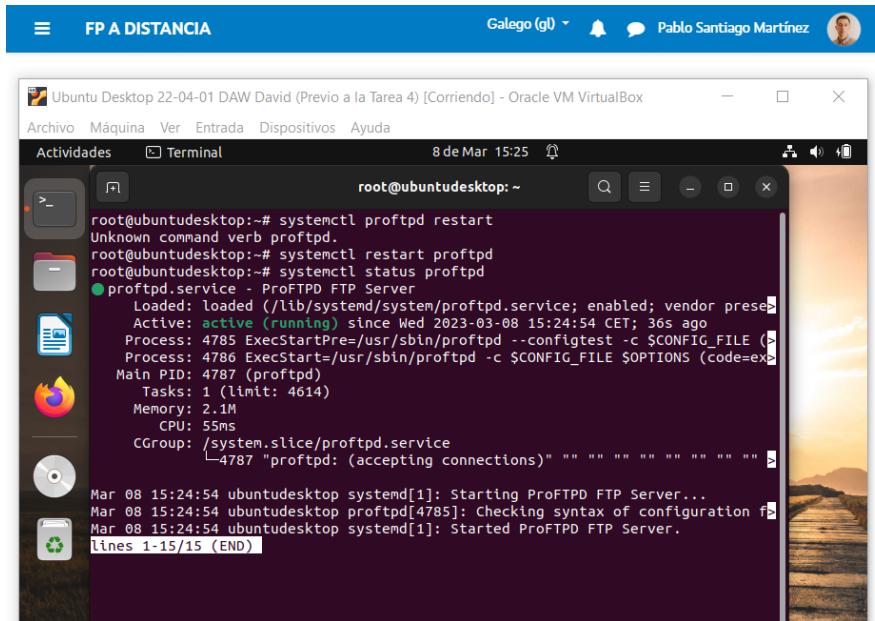
Una vez realizado este paso asignamos las carpetas al usuario FTP con el comando:



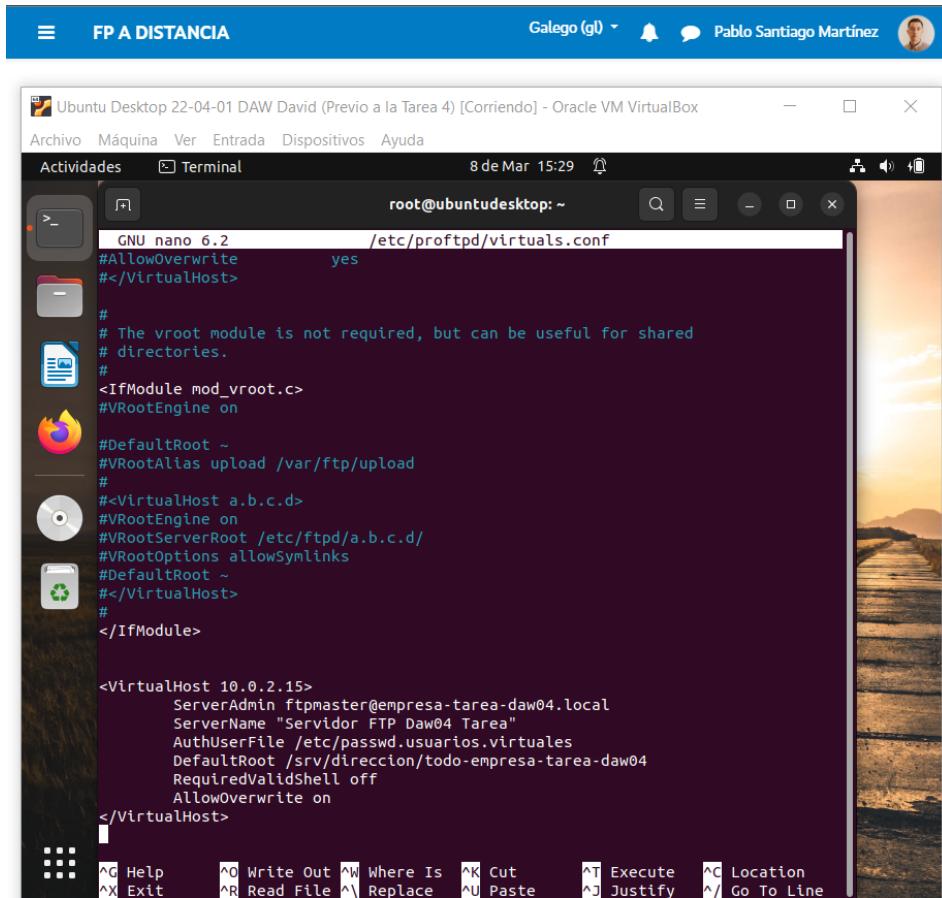
Descomentamos las líneas pertinentes para permitir el acceso anonimo al ftp:



Reseteamos el sistema proftpd :



Creamos un virtualhost en el fichero `virtuals.conf`:





```
GNU nano 6.2 /etc/proftpd/proftpd.conf *

#
# This is used for FTPS connections
#
#Include /etc/proftpd/tls.conf

#
# This is used for SFTP connections
#
#Include /etc/proftpd/sftp.conf

#
# This is used for other add-on modules
#
#Include /etc/proftpd/dnsbl.conf
#Include /etc/proftpd/geoip.conf
#Include /etc/proftpd/snmp.conf

#
# Useful to keep VirtualHost/VirtualRoot directives separated
#
Include /etc/proftpd/virtuals.conf

# A basic anonymous configuration, no upload directories.

<Anonymous ~ftp>
    User ftp
    Group nogroup
    # We want clients to be able to login with "anonymous" as well as "ftp"
    UserAlias anonymous ftp
    # Cosmetic changes, all files belongs to ftp user
    DirFakeUser on ftp

^G Help      ^O Write Out ^W Where Is  ^K Cut      ^T Execute   ^C Location
^X Exit      ^R Read File ^A Replace   ^U Paste     ^J Justify   ^L Go To Line
```

Reseteamos el servicio para recargar la configuración:

```
Ubuntu Desktop 22-04-01 DAW David (Previo a la Tarea 4) [Corriendo] - Oracle VM VirtualBox
root@ubuntudesktop:~# /etc/init.d/proftpd restart
Restarting proftpd (via systemctl): proftpd.service.
root@ubuntudesktop:~#
```

Para activar el cifrado TLS hacemos lo siguiente:

Descomentamos la línea `Include /etc/proftpd/tls.conf` en el archivo `proftpd.conf`.



Formación

Os meus cursos
3601947
2022-2023

Docente: David G.

3601947
2022-2023

Docente: David G.

```

GNU nano 6.2          /etc/proftpd/proftpd.conf *
<IfModule mod_delay.c>
DelayEngine on
</IfModule>

<IfModule mod_ctrls.c>
ControlsEngine off
ControlsMaxClients 2
ControlsLog /var/log/proftpd/controls.log
ControlsInterval 5
ControlsSocket /var/run/proftpd/proftpd.sock
</IfModule>

<IfModule mod_ctrls_admin.c>
AdminControlsEngine off
</IfModule>

#
# Alternative authentication frameworks
#
#include /etc/proftpd/ldap.conf
#include /etc/proftpd/sql.conf

#
# This is used for FTPS connections
#
#include /etc/proftpd/tls.conf

#
# This is used for SFTP connections
#
#include /etc/proftpd/sftp.conf

```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
 ^X Exit ^R Read File ^A Replace ^U Paste ^J Justify

Descomentamos la línea LoadModule mod_ctrls_admin.c en el archivo modules.conf

```

# This is the directory where DSO modules reside
ModulePath /usr/lib/proftpd

# Allow only user root to load and unload modules, but allow everyone
# to see which modules have been loaded
ModuleControlsACLs insmod,rmmmod allow user root
ModuleControlsACLs lsmod allow user *

#This is required only if you need to set IdentLookups on
#LoadModule mod_ident.c

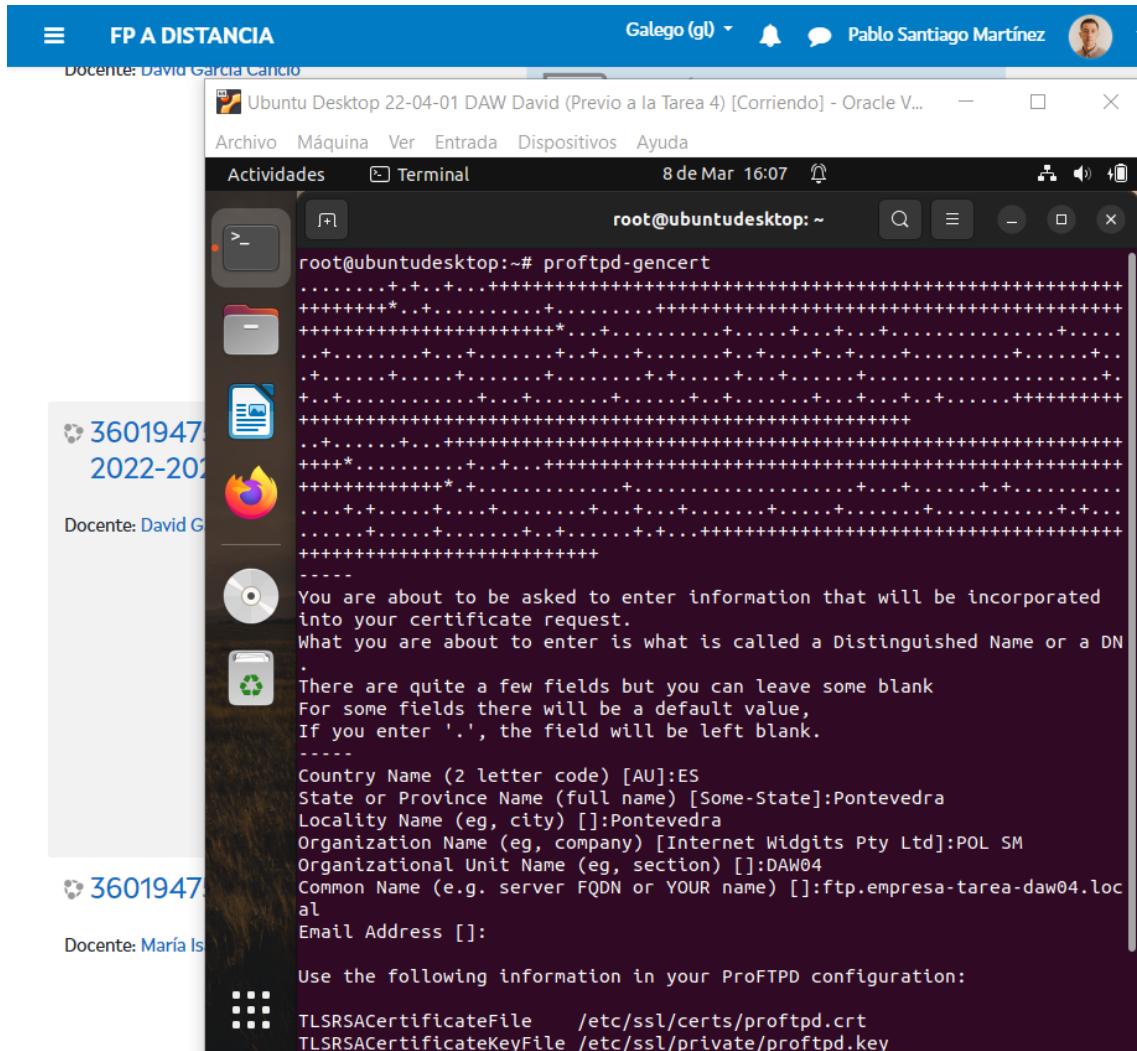
LoadModule mod_ctrls_admin.c

# Install proftpd-mod-crypto to use this module for TLS/SSL support.
LoadModule mod_tls.c
# Even these modules depend on the previous one
#LoadModule mod_crypt.c

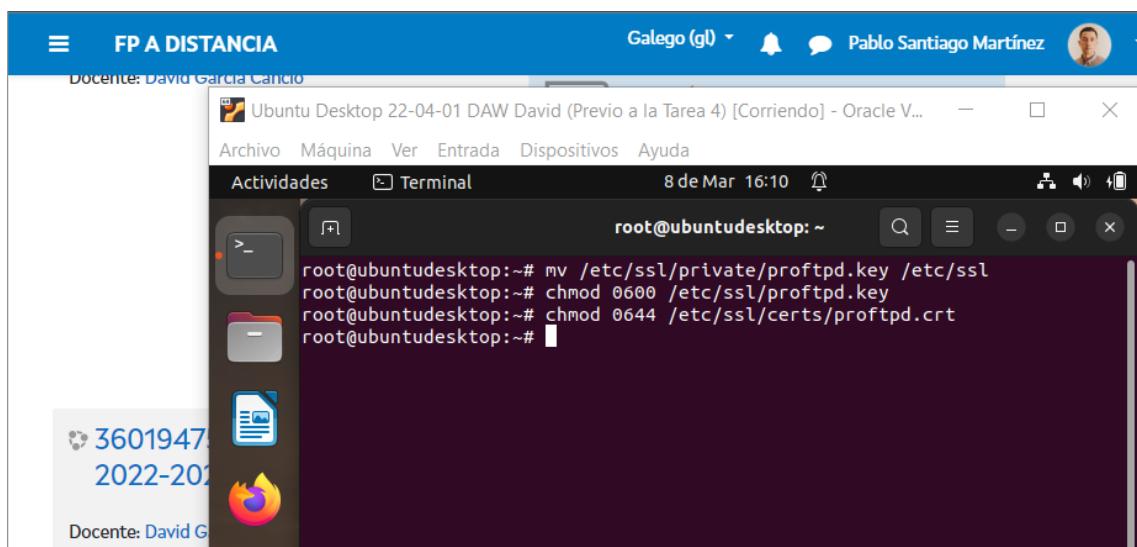
```

Creamos el certificado con el comando proftpd-gencert

Debemos prestar atención al cubrir el apartado Common name ya que nos podría generar problemas en un futuro.



Movemos el certificado creado y damos permisos a los archivos con el comando CHMOD.



Descomentamos dos líneas del archivo tls.conf como se puede ver en la imagen y recargamos el proceso para que surta efecto.



Docente: David García Cánclio

```
GNU nano 6.2 /etc/proftpd/tls.conf *
#
# Proftpd sample configuration for FTPS connections.
#
# Note that FTPS impose some limitations in NAT traversing.
# See http://www.castaglia.org/proftpd/doc/contrib/ProFTPD-mini-HOWTO-TLS.html
# for more information.
#
<IfModule mod_tls.c>
#TLSEngine          on
#TLSLog            /var/log/proftpd/tls.log
#TLSProtocol        SSLv23
#
# Server SSL certificate. You can generate a self-signed certificate using:
# a command like:
#
# openssl req -x509 -newkey rsa:1024 \
#             -keyout /etc/ssl/private/proftpd.key -out /etc/ssl/certs/proftpd.crt
#             -nodes -days 365
#
# The proftpd.key file must be readable by root only. The other file can be
# readable by anyone.
#
# chmod 0600 /etc/ssl/private/proftpd.key
# chmod 0640 /etc/ssl/private/proftpd.key
#
#TLSRSACertificateFile      /etc/ssl/certs/proftpd.crt
#TLSRSACertificateKeyFile   /etc/ssl/private/proftpd.key
#
# CA the server trusts...
#TLSCACertificateFile       /etc/ssl/certs/CA.pem
#       or avoid CA cert and be verbose.
```

```
GNU nano 6.2 /etc/proftpd/tls.conf *
#
# Proftpd sample configuration for FTPS connections.
#
# Note that FTPS impose some limitations in NAT traversing.
# See http://www.castaglia.org/proftpd/doc/contrib/ProFTPD-mini-HOWTO-TLS.html
# for more information.
#
<IfModule mod_tls.c>
#TLSEngine          on
#TLSLog            /var/log/proftpd/tls.log
#TLSProtocol        SSLv23
#
# Server SSL certificate. You can generate a self-signed certificate using:
# a command like:
#
# openssl req -x509 -newkey rsa:1024 \
#             -keyout /etc/ssl/private/proftpd.key -out /etc/ssl/certs/proftpd.crt
#             -nodes -days 365
#
# The proftpd.key file must be readable by root only. The other file can be
# readable by anyone.
#
# chmod 0600 /etc/ssl/private/proftpd.key
# chmod 0640 /etc/ssl/private/proftpd.key
#
#TLSRSACertificateFile      /etc/ssl/certs/proftpd.crt
#TLSRSACertificateKeyFile   /etc/ssl/private/proftpd.key
#
# CA the server trusts...
#TLSCACertificateFile       /etc/ssl/certs/CA.pem
#       or avoid CA cert and be verbose.
```

En el punto 3 instalamos el Cliente FTP Filezilla:



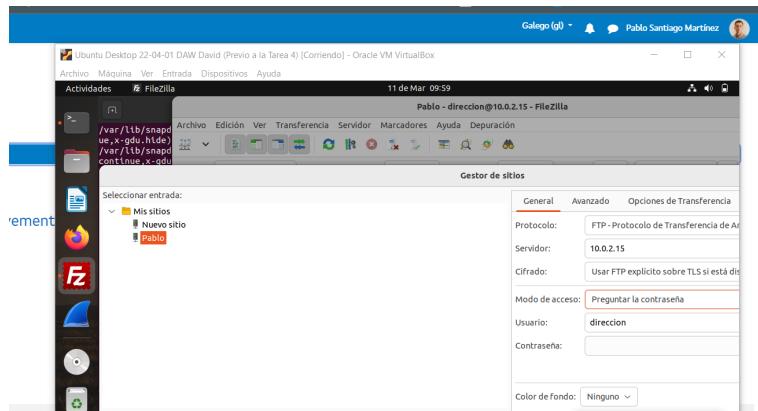
Docente: David García Cánclio

```

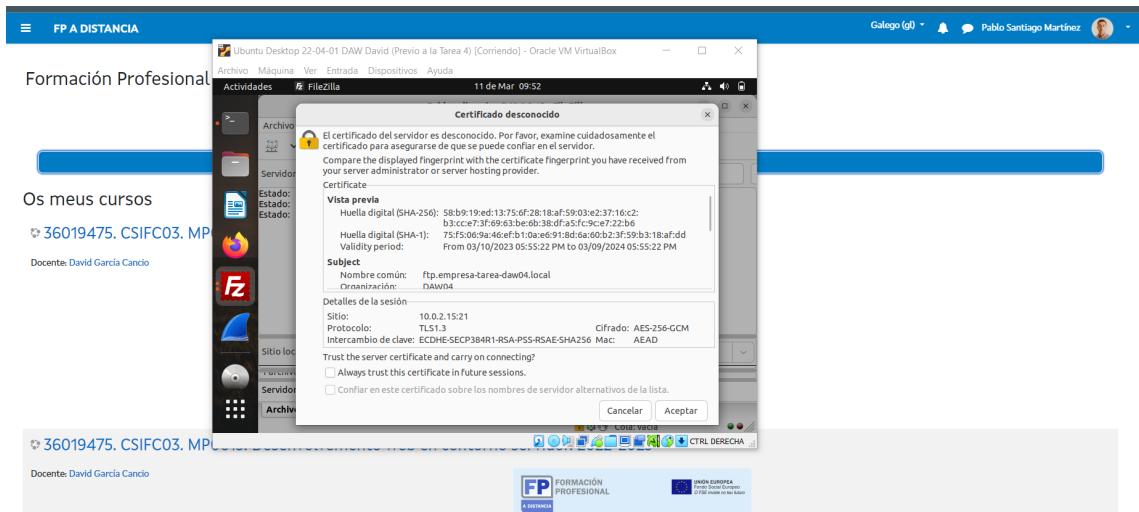
Ubuntu Desktop 22-04-01 DAW David (Previo a la Tarea 4) [Corriendo] - Oracle V...
Archivo Máquina Ver Entrada Dispositivos Ayuda
Actividades Terminal 8 de Mar 16:16
root@ubuntudesktop:~# apt-get search filezilla
E: Invalid operation search
root@ubuntudesktop:~# apt-get install filezilla
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libl LLVM13
Use 'apt autoremove' to remove it.
The following additional packages will be installed:
  filezilla-common libfilezilla-common libfilezilla24 libpugixml1v5
  libwxbase3.0-0v5 libwxgtk3.0-gtk3-0v5
The following NEW packages will be installed:
  filezilla filezilla-common libfilezilla-common libfilezilla24
  libpugixml1v5 libwxbase3.0-0v5 libwxgtk3.0-gtk3-0v5
0 upgraded, 7 newly installed, 0 to remove and 3 not upgraded.
Need to get 10.1 MB of archives.
After this operation, 36.9 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://es.archive.ubuntu.com/ubuntu jammy/universe amd64 filezilla-common all 3.58.0-1 [2,530 kB]
Get:2 http://es.archive.ubuntu.com/ubuntu jammy/universe amd64 libfilezilla-common all 0.36.0-2 [70.4 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu jammy/universe amd64 libfilezilla24 amd64 0.36.0-2 [192 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu jammy/universe amd64 libpugixml1v5 amd64 1.12.1-1 [91.7 kB]
Get:5 http://es.archive.ubuntu.com/ubuntu jammy/universe amd64 libwxbase3.0-0v5 amd64 3.0.5.1+dfsg-4 [881 kB]
Get:6 http://es.archive.ubuntu.com/ubuntu jammy/universe amd64 libwxgtk3.0-gtk3-0v5 amd64 3.0.5.1+dfsg-4 [4,368 kB]
Get:7 http://es.archive.ubuntu.com/ubuntu jammy/universe amd64 filezilla amd64 3.58.0-1 [1,945 kB]
Fetched 10.1 MB in 2s (4,725 kB/s)
Selecting previously unselected package filezilla-common.

```

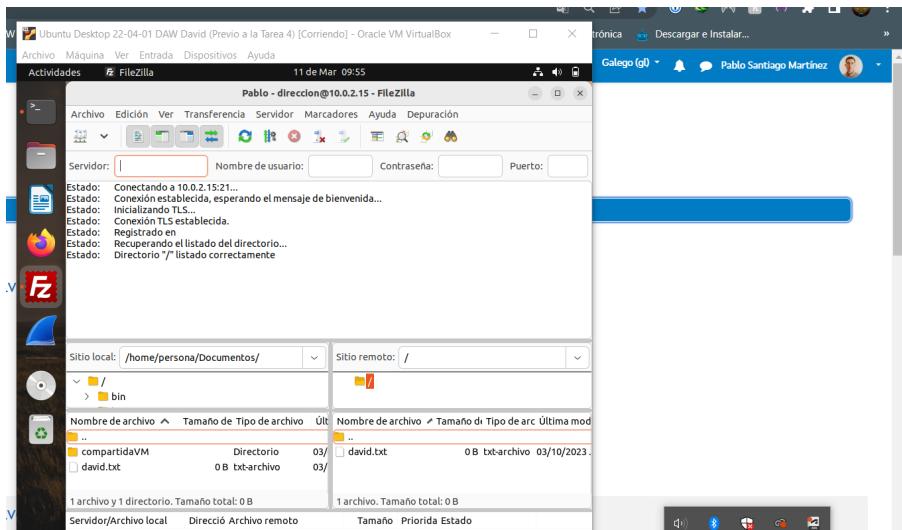
Configuramos el servidor FTP Dentro del Filezilla:



Al realizar la conexión de manera correcta nos aparece el Certificado en Pantalla.



La conexión se realiza con normalidad.



En el último punto hacemos una subida al Ftp:

Como ya hicimos una prueba previa a la captura , nos pregunta si queremos sobreescribir el archivo:

