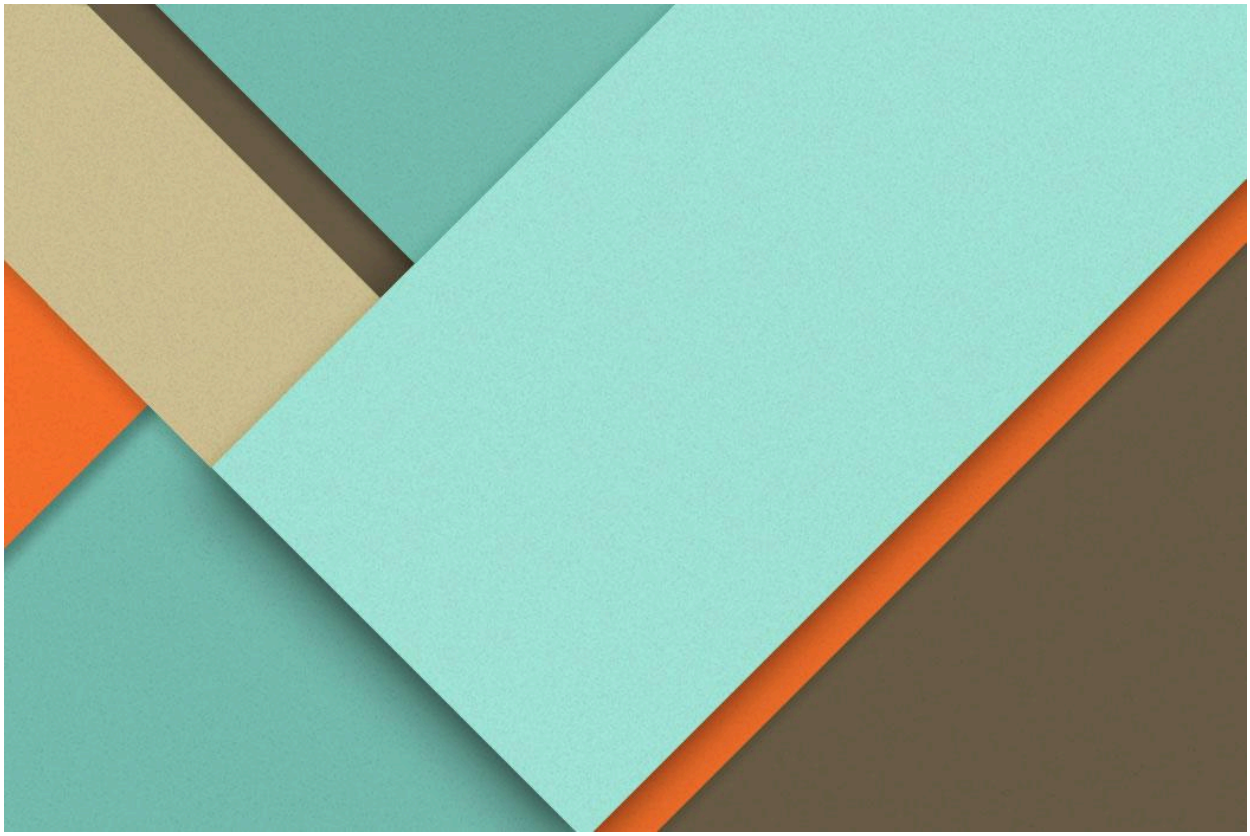

Práctica 2.1. Instalar Servidor FTP

DESPLIEGUE DE APLICACIONES WEB

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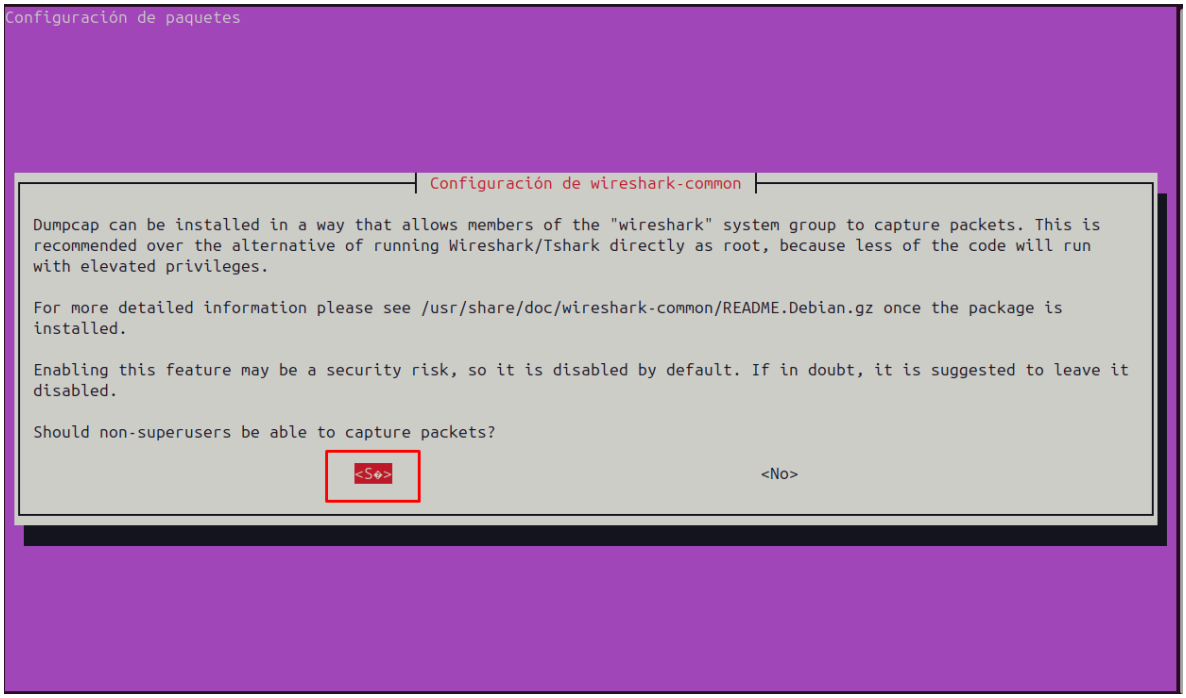
2º DAW-A

INSTALACIÓN PROGRAMAS

Instalamos todos los programas que vamos a utilizar

```
usuario@usuario-VirtualBox:~/Escritorio$ sudo apt-get  install vsftpd gftp filezilla wireshark
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  filezilla-common gftp-common gftp-gtk gftp-text i965-va-driver intel-media-va-driver libaacs0 libavcodec60 libavformat
  libavutil58 libb2-1 libbcg729-0 libbdplus0 libbluray2 libchromaprint1 libcjson1 libcodec2-1.2 libdav1d7
  libdouble-conversion3 libegl-mesa0 libfilezilla-common libfilezilla42t64 libgbm1 libgl1-mesa-dri libglapi-mesa
  libglx-mesa0 libgme0 libgsm1 libhwy1t64 libigdgmm12 libjxl0.7 liblua5.2-0 libmbedcrypto7t64 libmd4c0 libminizip1t64
  libnghttp3-3 libnorm1t64 libopencore-amrnb0 libopenmpt0t64 libpcre2-16-0 libpgm-5.3-0t64 libpugixml1v5
  libqt6core5compat6 libqt6core6t64 libqt6dbus6t64 libqt6gui6t64 libqt6multimedia6 libqt6network6t64 libqt6opengl6t64
  libqt6printsupport6t64 libqt6qml6 libqt6qmlmodels6 libqt6quick6 libqt6svg6 libqt6waylandclient6 libqt6waylandcomposito
  libqt6waylandeglclienthwintegration6 libqt6waylandeglcompositorhwintegration6 libqt6widgets6t64
  libqt6wlshellintegration6 librabbitmq4 librav1e0 librist4 libshine3 libsmi2t64 libsnappy1v5 libsodium23 libsoxr0
  libspandsp2t64 libsrt1.5-gnutls libssh-gcrypt-4 libsvtav1enc1d1 libswresample4 libswscale7 libts0t64 libudfread0
  libva-drm2 libva-x11-2 libva2 libvdpau1 libvpl2 libwireshark-data libwireshark17t64 libwiretap14t64 libwsutil15t64
  libwxbase3.2-1t64 libwxgtk3.2-1t64 libx264-164 libx265-199 libxatracker2 libxvidcore4 libzmq5 libzvbi-common libzvbi0t
  mesa-va-drivers mesa-vdpau-drivers mesa-vulkan-drivers ocl-icd-libopencl1 qt6-gtk-platformtheme qt6-qpa-plugins
  qt6-translations-l10n qt6-wayland va-driver-all vdpau-driver-all wireshark-common
Paquetes sugeridos:
  i965-va-driver-shaders libcuda1 libnvcuvid1 libnvidia-encode1 libbluray-bdj qt6-qmltooling-plugins snmp-mibs-downloade
  geoipupdate geoip-database geoip-database-extra libjs-leaflet libjs-leaflet.markercluster wireshark-doc opencl-icd
  libvdpau-va-gl1
Se instalarán los siguientes paquetes NUEVOS:
  filezilla filezilla-common gftp gftp-common gftp-gtk gftp-text i965-va-driver intel-media-va-driver libaacs0
  libavcodec60 libavformat60 libavutil58 libb2-1 libbcg729-0 libbdplus0 libbluray2 libchromaprint1 libcjson1 libcodec2-1
  libdav1d7 libdouble-conversion3 libfilezilla-common libfilezilla42t64 libgme0 libgsm1 libhwy1t64 libigdgmm12 libjxl0.7
  liblua5.2-0 libmbedcrypto7t64 libmd4c0 libminizip1t64 libnghttp3-3 libnorm1t64 libopencore-amrnb0 libopenmpt0t64
  libpcre2-16-0 libpgm-5.3-0t64 libpugixml1v5 libqt6core5compat6 libqt6core6t64 libqt6dbus6t64 libqt6gui6t64
  libqt6multimedia6 libqt6network6t64 libqt6opengl6t64 libqt6printsupport6t64 libqt6qml6 libqt6qmlmodels6 libqt6quick6
  libqt6svg6 libqt6waylandclient6 libqt6waylandcompositor6 libqt6waylandeglclienthwintegration6
  libqt6waylandeglcompositorhwintegration6 libqt6widgets6t64 libqt6wlshellintegration6 librabbitmq4 librav1e0 librist4
  libshine3 libsmi2t64 libsnappy1v5 libsodium23 libsoxr0 libspandsp2t64 libsrt1.5-gnutls libssh-gcrypt-4 libsvtav1enc1d1
```

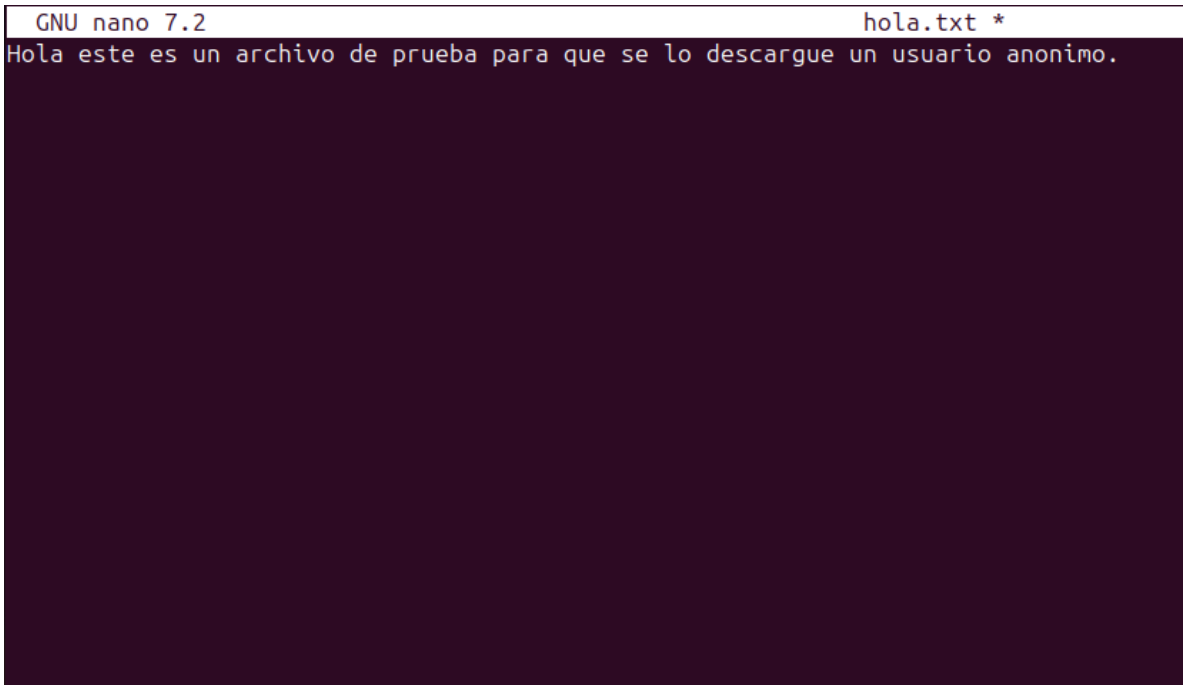
Aquí le decimos que si



USUARIOS ANONIMOS

Creamos un fichero de prueba para los usuarios anónimos

```
usuario@usuario-VirtualBox:~/Escritorio$ cd /srv/ftp/
usuario@usuario-VirtualBox:/srv/ftp$ nano hola.txt
usuario@usuario-VirtualBox:/srv/ftp$ sudo nano hola.txt
usuario@usuario-VirtualBox:/srv/ftp$
```



Ahora modificamos el siguiente fichero para que los usuarios anonimos se puedan conectar

```
usuario@usuario-VirtualBox:/srv/ftp$ sudo nano /etc/vsftpd.conf
```

```
  GNU nano 7.2                                  /etc/vsftpd.conf *
# Example config file /etc/vsftpd.conf
#
# The default compiled in settings are fairly paranoid. This sample file
# loosens things up a bit, to make the ftp daemon more usable.
# Please see vsftpd.conf.5 for all compiled in defaults.
#
# READ THIS: This example file is NOT an exhaustive list of vsftpd options.
# Please read the vsftpd.conf.5 manual page to get a full idea of vsftpd's
# capabilities.
#
#
# Run standalone?  vsftpd can run either from an inetd or as a standalone
# daemon started from an initscript.
listen=NO
#
# This directive enables listening on IPv6 sockets. By default, listening
# on the IPv6 "any" address (::) will accept connections from both IPv6
# and IPv4 clients. It is not necessary to listen on *both* IPv4 and IPv6
# sockets. If you want that (perhaps because you want to listen on specific
# addresses) then you must run two copies of vsftpd with two configuration
# files.
listen_ipv6=YES
#
# Allow anonymous FTP? (Disabled by default).
anonymous_enable=YES
#
# Uncomment this to allow local users to log in.
local_enable=YES
#
```

Reiniciamos el servicio

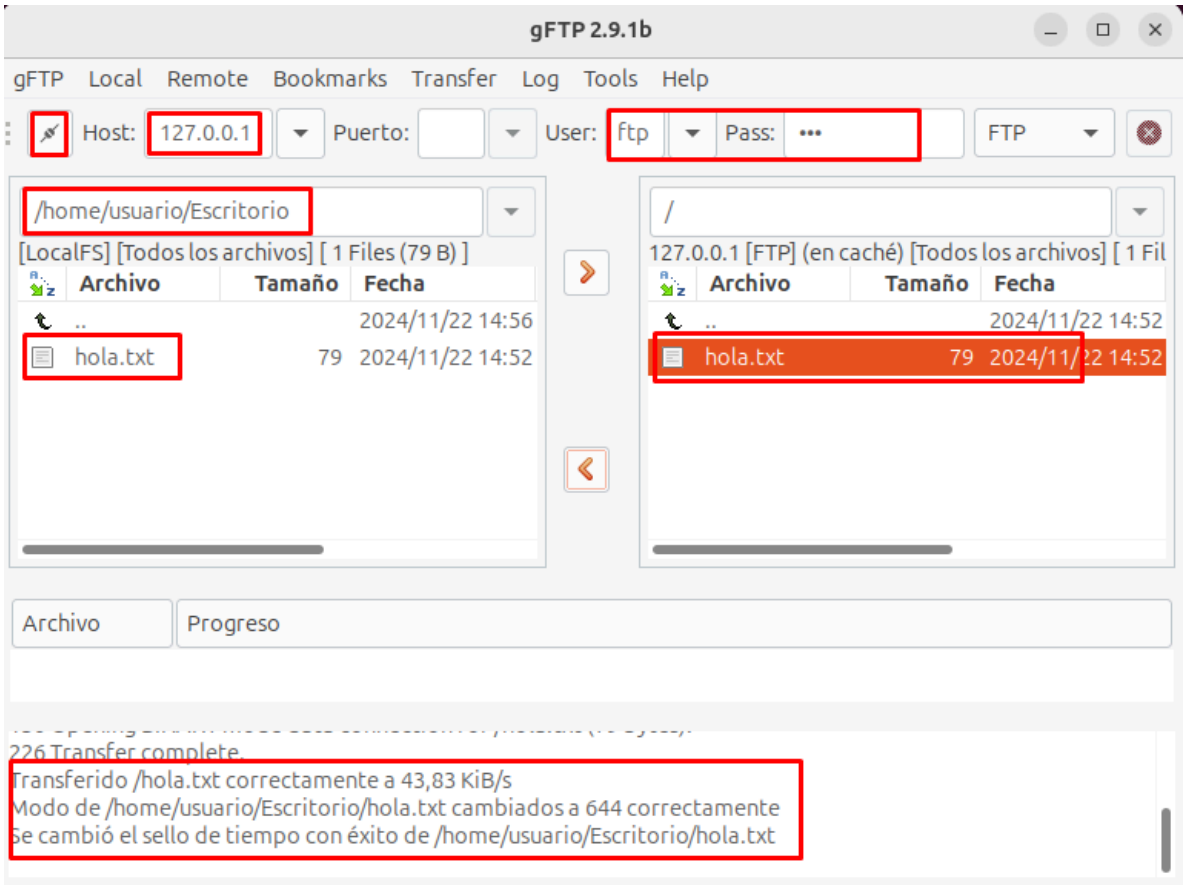
```
usuario@usuario-VirtualBox:/srv/ftp$ sudo service vsftpd restart
```

CONEXIÓN CON GFTP

Abrimos una nueva pestaña y ejecutamos el programa de gftp

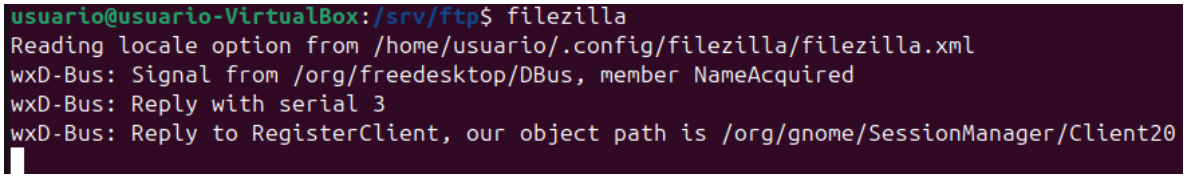
```
usuario@usuario-VirtualBox:/srv/ftp$ gftp
```

Aquí hacemos la conexión poniendo la siguiente ip más usuario y contraseña, luego nos vamos a nuestro escritorio y copiamos el fichero que hemos creado antes, vemos que todo funciona correctamente.

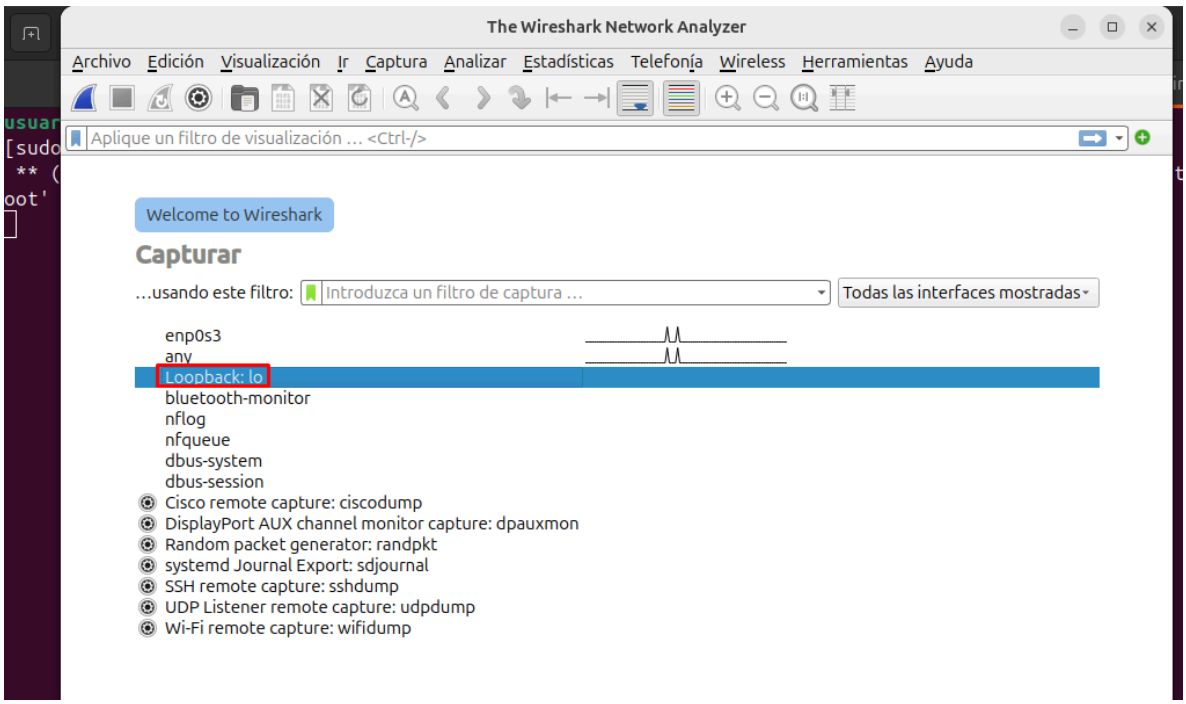


CONEXIÓN CON FILEZILLA Y ANALIZADO CON WIRESHARK

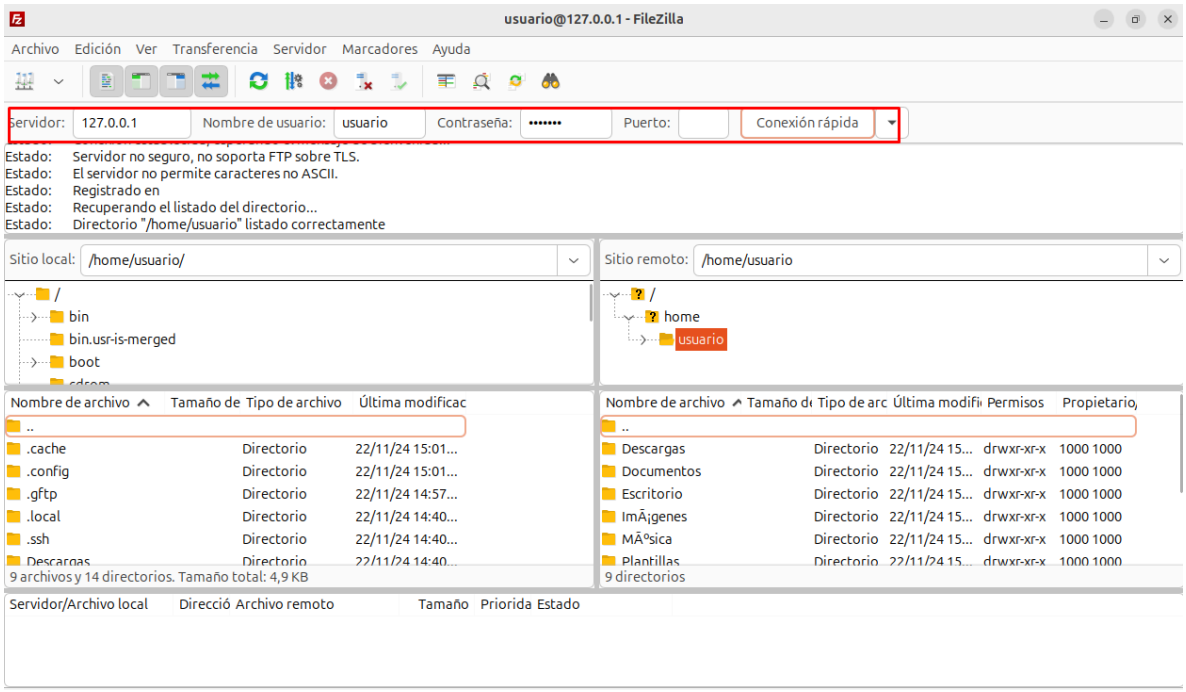
Abrimos filezilla y wireshark



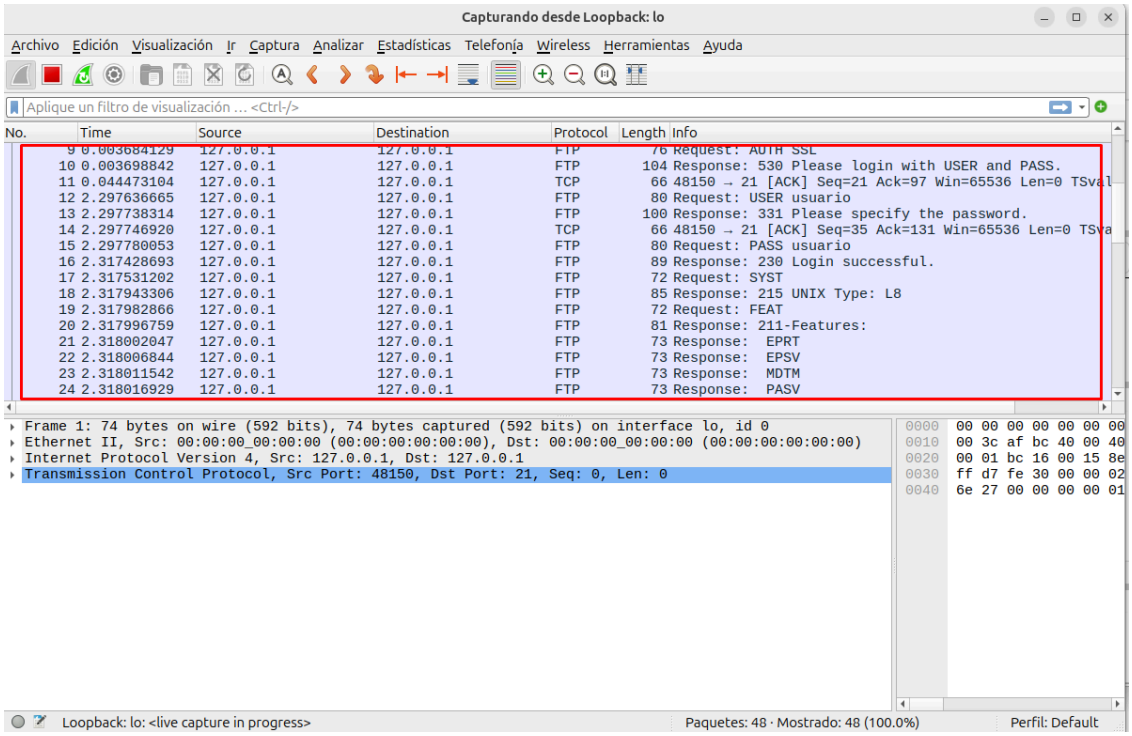
Analizaremos Loopback ya que es la que estamos utilizando para hacer las pruebas



Nos conectamos con filezilla

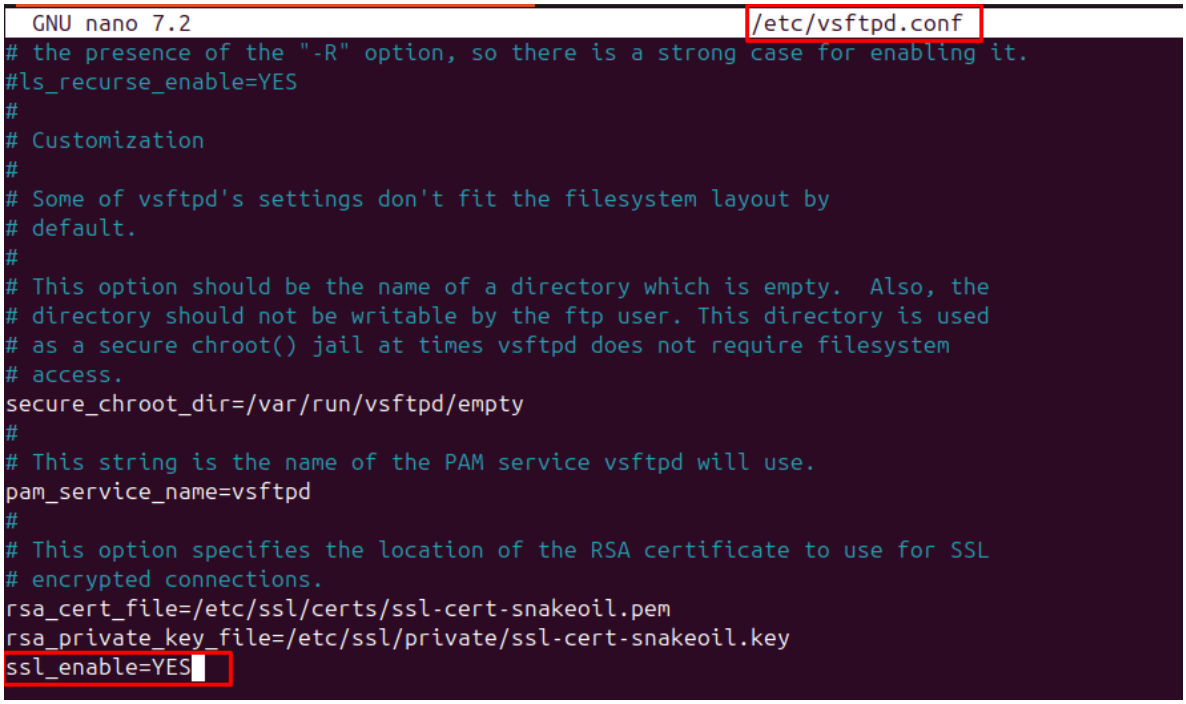


Y vemos que el wireshark nos está capturando el tráfico y nos muestra la contraseña



CIFRADO

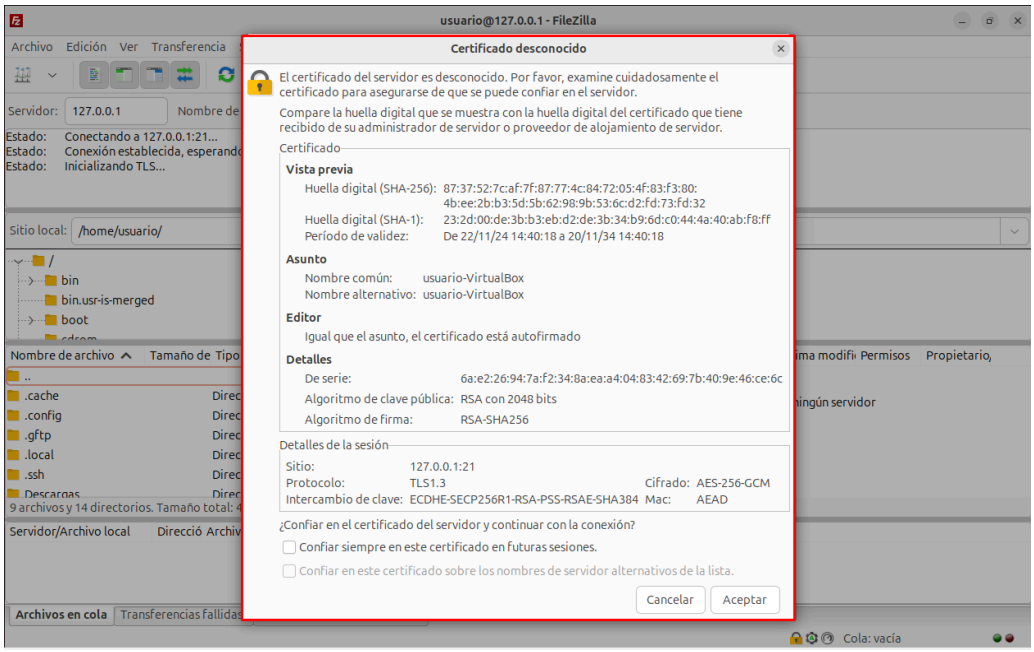
Editamos este fichero para activar el cifrado



Y reiniciamos el servicio

```
usuario@usuario-VirtualBox:/srv/ftp$ sudo service vsftpd restart
```

Ahora si abrimos de nuevo el filezilla y nos intentamos conectar vemos que salta el certificado



Y si nos vamos al wireshark ya no podremos encontrar la contraseña ya que está cifrado