

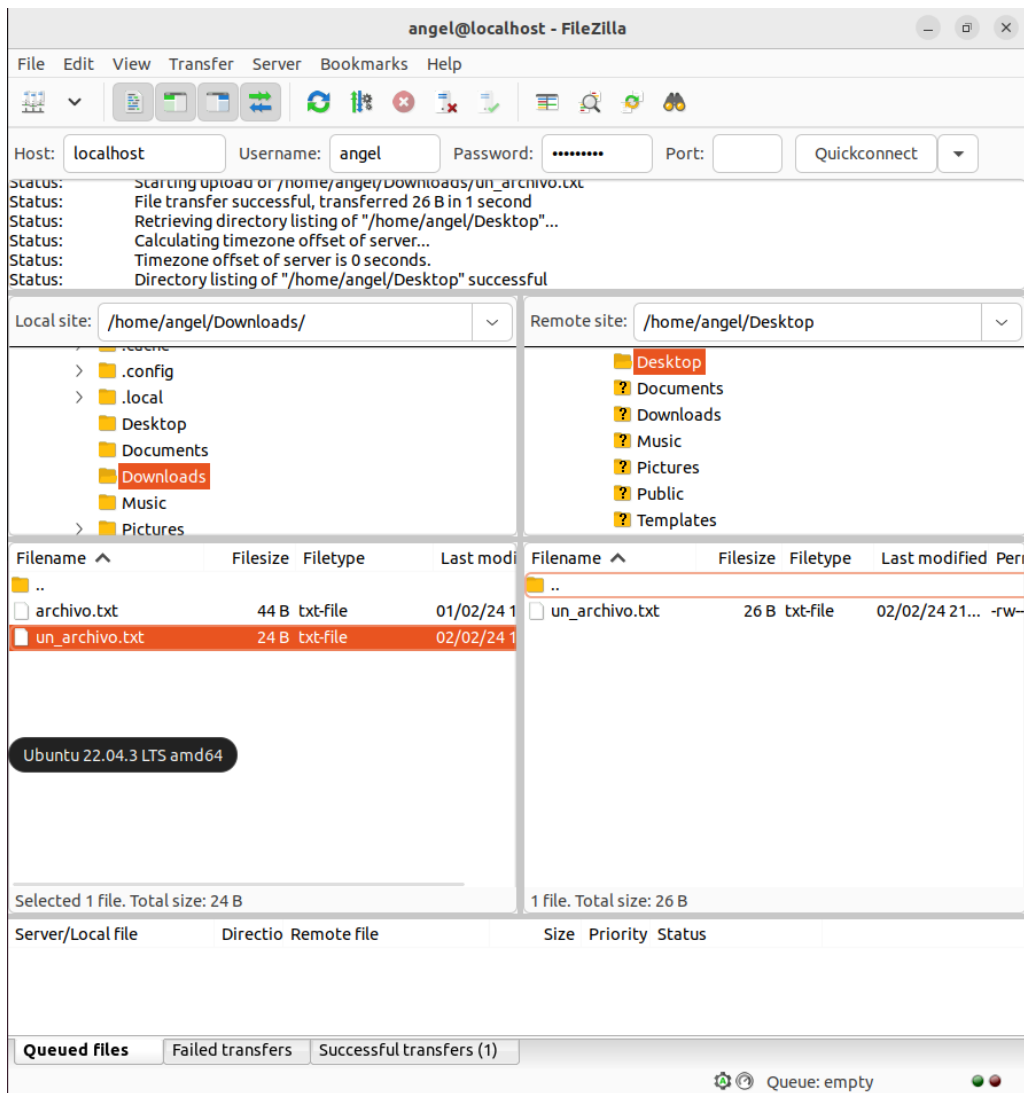
## 1 SERVIDOR VSFTPD INSTALACION

```
angel@angel-virtual-machine: ~  
angel@angel-virtual-machine:~$ sudo apt-get install vsftpd  
[sudo] password for angel:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
vsftpd is already the newest version (3.0.5-0ubuntu1).  
0 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.  
angel@angel-virtual-machine:~$
```

## 2 TRANSFERIR UN ARCHIVO DEL SERVIDOR REMOTO MEDIANTE LA TERMINAL

```
command 'bput' from deb ax25-tools (0.0.10-rc5+git20190411+3595f87-5)  
Try: sudo apt install <deb name>  
angel@angel-virtual-machine:~$ ftp localhost  
Connected to localhost.  
220 (vsFTPD 3.0.5)  
Name (localhost:angel): angel  
331 Please specify the password.  
Password:  
230 Login successful.  
Remote system type is UNIX.  
Using binary mode to transfer files.  
ftp> put /home/angel/Downloads/un_archivo.txt/srv/ftp/subidas/subido.txt  
local: /home/angel/Downloads/un_archivo.txt/srv/ftp/subidas/subido.txt remote: /home/angel/Downlo  
ads/un_archivo.txt/srv/ftp/subidas/subido.txt  
ftp: Can't open `/home/angel/Downloads/un_archivo.txt/srv/ftp/subidas/subido.txt': Not a director  
y  
ftp> put /home/angel/Downloads/un_archivo.txt /srv/ftp/subidas/subido.txt  
local: /home/angel/Downloads/un_archivo.txt remote: /srv/ftp/subidas/subido.txt  
229 Entering Extended Passive Mode (|||57438|)  
150 Ok to send data.  
100% |*****| 24 17.66 KiB/s 00:00 ETA  
226 Transfer complete.  
24 bytes sent in 00:00 (14.29 KiB/s)  
ftp>
```

## 3 TRANSFERIR UN ARCHIVO AL SERVIDOR REMOTO MEDIANTE FILEZILLA



**4 PERMITE EL ACCESO AL USUARIO ANONIMO, CAMBIA LA DIRECCION QUE EL USUARIO PUEDE VISUALIZAR Y DESCARGAR UN ARCHIVO**

```

angel@angel-virtual-machine: ~
GNU nano 6.2 /etc/vsftpd.conf *
anonymous_enable=YES
#
# Uncomment this to allow local users to log in.
local_enable=YES
#
# Uncomment this to enable any form of FTP write command.
write_enable=YES
#
# Default umask for local users is 077. You may wish to change this to 022,
# if your users expect that (022 is used by most other ftpd's)
#local_umask=022
#
# Uncomment this to allow the anonymous FTP user to upload files. This only
# has an effect if the above global write enable is activated. Also, you will
# obviously need to create a directory writable by the FTP user.
#anon_upload_enable=YES
#
anon_root=/home/angel/Downloads/
# Uncomment this if you want the anonymous FTP user to be able to create
# new directories.

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

```

```
angel@angel-virtual-machine:~$ sudo service vsftpd restart
```

## 5 MODIFICAR EL TIEMPO DE SALON

```
angel@angel-virtual-machine: ~
GNU nano 6.2 /etc/vsftpd.conf *
#
# If you want, you can have your log file in standard ftpd xferlog format.
# Note that the default log file location is /var/log/xferlog in this case.
#xferlog_std_format=YES
#
# You may change the default value for timing out an idle session.
idle_session_timeout=30
#
# You may change the default value for timing out a data connection.
#data_connection_timeout=120
#
# It is recommended that you define on your system a unique user which the
# ftp server can use as a totally isolated and unprivileged user.
#nopriv_user=ftpsecure
#
# Enable this and the server will recognise asynchronous ABOR requests. Not
# recommended for security (the code is non-trivial). Not enabling it,
# however, may confuse older FTP clients.
#async_abor_enable=YES
#
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-L
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_/ Go To Line M-F
```

```
angel@angel-virtual-machine:~$ sudo service vsftpd restart
```

```
angel@angel-virtual-machine: ~
Setting up libwxgtk3.0-gtk3-0v5:amd64 (3.0.5.1+dfsg-4) ...
Setting up filezilla (3.58.0-1ubuntu0.1) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for libc-bin (2.35-0ubuntu3.6) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
angel@angel-virtual-machine:~$ sudo nano /etc/vsftpd.conf
angel@angel-virtual-machine:~$ sudo service vsftpd restart
angel@angel-virtual-machine:~$ sudo nano /etc/vsftpd.conf
angel@angel-virtual-machine:~$ sudo service vsftpd restart
angel@angel-virtual-machine:~$ ftp localhost
Connected to localhost.
220 (vsFTPd 3.0.5)
Name (localhost:angel): angel
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
421 Timeout.
ftp>
```

## 6 Crear usuarios ( Se que son 4 y estan creados pero solo hice foto a la creacion del cuarto)

```
angel@angel-virtual-machine: ~  
Full Name []:  
Room Number []:  
Work Phone []:  
Home Phone []:  
Other []:  
Is the information correct? [Y/n] y  
angel@angel-virtual-machine:~$ sudo adduser cuarto  
Adding user `cuarto' ...  
Adding new group `cuarto' (1004) ...  
Adding new user `cuarto' (1004) with group `cuarto' ...  
Creating home directory `/home/cuarto' ...  
Copying files from `/etc/skel' ...  
New password:  
Retype new password:  
LibreOffice Writer updated successfully  
Changing the user information for cuarto  
Enter the new value, or press ENTER for the default  
Full Name []:  
Room Number []:  
Work Phone []:  
Home Phone []:  
Other []:  
Is the information correct? [Y/n] y  
angel@angel-virtual-machine:~$
```

## 7 LIMITA CANTIDAD DE USUARIOS ACCEDEN SIMULTANEAMENTE

```
GNU nano 6.2 /etc/vsftpd.conf *  
#  
# If you want, you can have your log file in standard ftpd xferlog format.  
# Note that the default log file location is /var/log/xferlog in this case.  
#xferlog_std_format=YES  
#  
# You may change the default value for timing out an idle session.  
idle_session_timeout=120  
#  
# You may change the default value for timing out a data connection.  
#data_connection_timeout=120  
#  
max_clients=3  
# It is recommended that you define on your system a unique user which the  
# ftp server can use as a totally isolated and unprivileged user.  
#nopriv_user=ftpsecure  
#  
# Enable this and the server will recognise asynchronous ABOR requests. Not  
# recommended for security (the code is non-trivial). Not enabling it,  
# however, may confuse older FTP clients.  
#async_abor_enable=YES  
File to insert [from ./]:  
^G Help M-F New Buffer ^X Execute Command  
^C Cancel M-N No Conversion ^T Browse
```

```
angel@angel-virtual-machine: ~  
angel@angel-virtual-machine:~$ ftp localhost  
Connected to localhost.  
421 There are too many connected users, please try later.  
ftp> 
```

## 8 ARCHIVO LOGIN

```
GNU nano 6.2 /var/log/vsftpd.log  
Thu Feb 1 13:36:10 2024 [pid 3300] CONNECT: Client "::ffff:127.0.0.1"  
Thu Feb 1 13:37:01 2024 [pid 3299] [angel] OK LOGIN: Client "::ffff:127.0.0.1"  
Thu Feb 1 13:49:46 2024 [pid 3312] CONNECT: Client "::ffff:127.0.0.1"  
Thu Feb 1 13:50:02 2024 [pid 3311] [put subidas subidas] FAIL LOGIN: Client "::ffff:127.0.0.1"  
Thu Feb 1 13:52:04 2024 [pid 3311] [angel] OK LOGIN: Client "::ffff:127.0.0.1"  
Fri Feb 2 19:51:40 2024 [pid 2590] CONNECT: Client "::ffff:127.0.0.1"  
Fri Feb 2 19:51:49 2024 [pid 2589] [angel] OK LOGIN: Client "::ffff:127.0.0.1"  
Fri Feb 2 19:54:25 2024 [pid 2642] CONNECT: Client "::ffff:127.0.0.1"  
Fri Feb 2 19:54:30 2024 [pid 2641] [angel] OK LOGIN: Client "::ffff:127.0.0.1"  
Fri Feb 2 19:57:36 2024 [pid 2644] [angel] OK UPLOAD: Client "::ffff:127.0.0.1", "/srv/ftp/subidas/subido.txt",  
Fri Feb 2 20:00:03 2024 [pid 2911] CONNECT: Client "::ffff:127.0.0.1"  
Fri Feb 2 20:00:10 2024 [pid 2910] [angel] OK LOGIN: Client "::ffff:127.0.0.1"  
Fri Feb 2 20:01:28 2024 [pid 2933] CONNECT: Client "::ffff:127.0.0.1"  
Fri Feb 2 20:01:28 2024 [pid 2932] [angel] OK LOGIN: Client "::ffff:127.0.0.1"  
Fri Feb 2 20:01:28 2024 [pid 2934] [angel] OK UPLOAD: Client "::ffff:127.0.0.1", "/home/angel/Desktop/un_archivo  
Fri Feb 2 20:02:38 2024 [pid 2954] CONNECT: Client "::ffff:127.0.0.1"  
Fri Feb 2 20:02:40 2024 [pid 2953] [ftp] FAIL LOGIN: Client "::ffff:127.0.0.1"  
Fri Feb 2 20:06:25 2024 [pid 2996] CONNECT: Client "::ffff:127.0.0.1"  
Fri Feb 2 20:06:25 2024 [pid 2995] [ftp] OK LOGIN: Client "::ffff:127.0.0.1", anon password "?"  
Fri Feb 2 20:07:22 2024 [pid 3019] CONNECT: Client "::ffff:127.0.0.1"  
[ Read 31 lines ]  
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo  
^X Exit      ^R Read File  ^\ Replace    ^U Paste       ^J Justify    ^_ Go To Line  M-E Redo
```

## 9 ACCEDER AL SERVIDOR MEDIANTE FILEZILLA Y EL PUERTO CONEXION 25





```
angel@angel-virtual-machine: ~  
GNU nano 6.2 /etc/vsftpd.conf *  
local_enable=YES  
#  
# Uncomment this to enable any form of FTP write command.  
write_enable=YES  
#  
# Default umask for local users is 077. You may wish to change this to 022,  
# if your users expect that (022 is used by most other ftpd's)  
#local_umask=022  
#  
# Uncomment this to allow the anonymous FTP user to upload files. This only  
# has an effect if the above global write enable is activated. Also, you will  
# obviously need to create a directory writable by the FTP user.  
chroot_local_user=YES  
chroot=YES  
anon_upload_enable=YES
```

```
angel@angel-virtual-machine:~$ sudo service vsftpd restart
```

## 11 IMPEDIR EL ACCESO AL SERVIDOR REMOTO A LOS USUARIOS ANONIMOS

```
angel@angel-virtual-machine: ~  
GNU nano 6.2 /etc/vsftpd.conf *  
# 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=NO  
#  
# Uncomment this to allow local users to log in.  
local_enable=YES  
#  
# Uncomment this to enable any form of FTP write command.  
write_enable=YES  
#  
# Default umask for local users is 077. You may wish to change this to 022,  
# if your users expect that (022 is used by most other ftpd's)  
#local_umask=022  
#  
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute  
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify
```

```
angel@angel-virtual-machine:~$ sudo service vsftpd restart
```

```
angel@angel-virtual-machine: ~  
angel@angel-virtual-machine:~$ sudo nano /ect/vsftpd.conf  
[sudo] password for angel:  
angel@angel-virtual-machine:~$ sudo nano /etc/vsftpd.conf  
Thunderbird Mail  
angel@angel-virtual-machine:~$ ftp localhost 25  
Connected to localhost.  
220 Welcome to blah FTP service.  
Name (localhost:angel): ftp  
331 Please specify the password.  
Password:  
500 OOPS: cannot change directory:/nonexistent  
ftp: Login failed  
ftp>
```

### 13 LIMITAR LA VELOCIDAD MAXIMA DE TRANSFERENCIA DE ARCHIVOS

```
angel@angel-virtual-machine: ~  
GNU nano 6.2 /etc/vsftpd.conf *  
#  
# You may change the default value for timing out a data connection.  
#data_connection_timeout=120  
#  
max_clients=3  
# It is recommended that you define on your system a unique user which the  
# ftp server can use as a totally isolated and unprivileged user.  
#nopriv_user=ftpsecure  
#  
# Enable this and the server will recognise asynchronous ABOR requests. Not  
# recommended for security (the code is non-trivial). Not enabling it,  
# however, may confuse older FTP clients.  
#async_abor_enable=YES  
anon_max_rate=20000  
local_max_rate=30000  
data_connection_timeout=60
```

### 14 TRANSFIERE UN ARCHIVO MUY GRANDE CON UN USUARIO Y QUE LA TRANSFERENCIA SE CANCELE A TRAS UN 1 MINUTO



```
data_connection_timeout=60
#
# By default the server will pretend to allow ASCII mode but in fact ignore
# the request. Turn on the below options to have the server actually do ASCII
# mangling on files when in ASCII mode.
```

<b>^G</b> Help	<b>^O</b> Write Out	<b>^W</b> Where Is	<b>^K</b> Cut	<b>^T</b> Execute	<b>^C</b> Location
<b>^X</b> Exit	<b>^R</b> Read File	<b>^_</b> Replace	<b>^U</b> Paste	<b>^J</b> Justify	<b>^/</b> Go To Line

## 15 MOSTRAR UN MENSAJE INFORMATIVO (BANNER) CUANDO UN CLIENTE QUERA INICIAR SESION

### ANTES

```
angel@angel-virtual-machine:~$ sudo service vsftpd restart
angel@angel-virtual-machine:~$ ftp localhost 25
Connected to localhost.
220 (vsFTPd 3.0.5)
Name (localhost:angel): ftp
```

### AHORA

```
angel@angel-virtual-machine:~$ ftp localhost 25
Connected to localhost.
20 Welcome to blah FTP service.
Name (localhost:angel):
```

## 16 CAMBIA EL NOMBRE DE USUARIO DE FTP A FTP\_CAMBIADO

```
angel@angel-virtual-machine: ~  
GNU nano 6.2 /etc/vsftpd.conf *  
# go into a certain directory.  
dirmessage_enable=YES  
#  
# If enabled, vsftpd will display directory listings with the time  
# in your local time zone. The default is to display GMT. The  
# times returned by the MDTM FTP command are also affected by this  
# option.  
use_localtime=YES  
ftp_username=ftp_Cambiado  
#  
# Activate logging of uploads/downloads.  
xferlog_enable=YES  
#  
# Make sure PORT transfer connections originate from port 20 (ftp-data).  
connect_from_port_20=YES  
listen_port=25  
listen_address=localhost  
#  
# If you want, you can arrange for uploaded anonymous files to be owned by  
# a different user. Note! Using "root" for uploaded files is not  
  
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute  
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify
```

## 17 SUBIR UN ARCHIVO AL SERVIDOR REMOTO

```
ftp> put un_archivo.txt  
local: un_archivo.txt remote: un_archivo.txt  
229 Entering Extended Passive Mode (|||65469|)  
150 Ok to send data.  
  0% |          |      0      0.00 KiB/s   --:-- ETA  
226 Transfer complete.  
ftp> 
```

## 18 RECIBE UN ARCHIVO DEL SERVIDOR REMOTO

```
ftp> get otro_archivo.txt  
local: otro_archivo.txt remote: otro_archivo.txt  
229 Entering Extended Passive Mode (|||20999|)  
150 Opening BINARY mode data connection for otro_archivo.txt (24 bytes).  
100% |*****|      24      2.53 KiB/s   00:00 ETA  
226 Transfer complete.  
24 bytes received in 00:00 (2.38 KiB/s)  
ftp> 
```

19 EL SERVIDOR ftp SOLO ESCUCHE AL CLIENTE LOCALHOST , ES DECIR , UNA DIRECCION IP DISTINTA A LA LOCALHOST NO PODRA ACCEDER AL SRVIDOR

```
angel@angel-virtual-machine: ~  
GNU nano 6.2 /etc/vsftpd.conf *  
# option.  
use_localtime=YES  
#  
# Activate logging of uploads/downloads.  
xferlog_enable=YES  
#  
# Make sure PORT transfer connections originate from port 20 (ftp-data).  
connect_from_port_20=YES  
listen_port=25  
ftp_username=nobody  
listen_address=localhost  
#  
# If you want, you can arrange for uploaded anonymous files to be owned by  
# a different user. Note! Using "root" for uploaded files is not  
# recommended!  
#chown_uploads=YES  
#chown_username=whoever  
#  
# You may override where the log file goes if you like. The default is shown  
# below.  
  
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location  
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```