

Ej1

```
daniR@rufes-cliente: ~  
daniR@rufes-cliente:~$ ls transftp/  
w1.txt w2.txt  
daniR@rufes-cliente:~$  
root@rufes-server:/home# tree  
.  
├── alumno1  
│   ├── ficherosa1  
│   │   ├── a1f1  
│   │   └── a1f2  
│   ├── ficherosa2  
│   │   ├── a2f1  
│   │   └── a2f2  
├── alumno2  
│   ├── ficherosa1  
│   │   ├── a1f1  
│   │   └── a1f2  
│   ├── ficherosa2  
│   │   ├── a2f1  
│   │   └── a2f2  
└── rufes  
    └── misficheros  
        ├── mio1  
        └── mio2
```

Ej2

No tiene permisos de escritura

```
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=YES  
#  
# 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=NO  
#  
# Allow anonymous FTP? (Disabled by default).  
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  
#  
# Uncomment this if you want the anonymous FTP user to be able to create  
# new directories.  
anon_mkdir_write_enable=YES  
#  
# Activate directory messages - messages given to remote users when they  
[ File '/etc/vsftpd.conf' is unwritable ]
```

Ej3

```
GNU nano 7.2 /etc/vsftpd.conf
#
# Activate logging of uploads/downloads.
xferlog_enable=YES
u
```

Ej4

Se conecta a la carpeta home de alumno1
Se puede mover por el sistema de archivos
Puedo descargar archivos
No puedo añadir archivos
No puedo crear carpetas

Ej5

Se conecta a la carpeta home del usuario
Se puede mover por el sistema de archivos
Puedo descargar archivos
No puedo añadir archivos
No puedo crear carpetas

Ej6

Se conecta a la carpeta /
No se puede mover por el sistema de archivos
No puedo descargar archivos
No puedo añadir archivos
No puedo crear carpetas
Si, los permisos

Ej7

El cliente se desconecta del servidor
Estado: Conexión cerrada por el servidor

Ej8

```
GNU nano 7.2 /etc/vsftpd.conf
#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
#
# 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.
# Beware that on some FTP servers, ASCII support allows a denial of service
# attack (DoS) via the command "SIZE /big/file" in ASCII mode. vsftpd
# predicted this attack and has always been safe, reporting the size of the
# raw file.
# ASCII mangling is a horrible feature of the protocol.
#ascii_upload_enable=YES
#ascii_download_enable=YES
#
# You may fully customise the login banner string:
ftpd_banner=Este es el servidor FTP de Rufes
```

Ej9

```
GNU nano 7.2 /etc/vsftpd.conf
#chown_username=whoever
#
# You may override where the log file goes if you like. The default is shown
# below.
#xferlog_file=/var/log/vsftpd.log
#
# 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=600
#
# 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
#
# 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.
# Beware that on some FTP servers, ASCII support allows a denial of service
# attack (DoS) via the command "SIZE /big/file" in ASCII mode. vsftpd
# predicted this attack and has always been safe, reporting the size of the
# raw file.
# ASCII mangling is a horrible feature of the protocol.
#ascii_upload_enable=YES
#ascii_download_enable=YES
#
# You may fully customise the login banner string:
banner_file=/etc/vsftpd/banner.txt
GNU nano 7.2 /etc/vsftpd/banner.txt
-----
SERVIDOR FTP DE RUFES
-----
```

Ej10

```
GNU nano 7.2 /etc/vsftpd.conf
userlist_enable=YES
userlist_file= /etc/vsftpd.user_list
GNU nano 7.2 /etc/vsftpd.user_list
alumno1
```

Ej11

```
GNU nano 7.2 /etc/vsftpd.conf
userlist_deny=NO
userlist_enable=YES
userlist_file= /etc/vsftpd.user_list
GNU nano 7.2 /etc/vsftpd.user_list
alumno1
```

Ej12

```
GNU nano 7.2 /etc/vsftpd.conf
anon_upload_enable=YES
```

Ej13

```
GNU nano 7.2 /etc/vsftpd.conf
anon_mkdir_write_enable=YES
anon_upload_enable=YES
```

Ej14

```
GNU nano 7.2 /etc/vsftpd.conf
anon_mkdir_write_enable=YES
anon_upload_enable=YES
anon_root=/srv/ftp/anon
```

Ej15

```
root@rufes-server:/home/rufes# ftp localhost
Connected to localhost.
220-----
220-----
220-SERVIDOR FTP DE RUFES
220-----
220-----
220
Name (localhost:rufes): ftp
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> _
```

Ej16

```
GNU nano 7.2 /etc/vsftpd.conf
anon_mkdir_write_enable=YES
anon_upload_enable=YES
anon_root=/srv/ftp/anon
secure_email_list_enable=YES

GNU nano 7.2 /etc/vsftpd.email_passwords
a@hola.com
b@hola.com
c@hola.com
```

Ej17

No reconoce el comando SITE

```
GNU nano 7.2 /etc/vsftpd.conf
userlist_enable=YES
userlist_file= /etc/vsftpd.user_list
chmod_enable=YES
```

Ej18

```
GNU nano 7.2 /etc/vsftpd.conf
#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
#
# Uncomment this if you want the anonymous FTP user to be able to create
# new directories.
write_enable=YES
anon_mkdir_write_enable=YES
anon_upload_enable=YES
anon_root=/srv/ftp/anon
secure_email_list_enable=YES
anon_umask=022
```

Ej19

```
GNU nano 7.2 /etc/vsftpd.conf
# 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=077
```

Ej20

```
GNU nano 7.2 /etc/vsftpd.conf
# 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=077
chroot_local_user=YES
```

Ej21

```
GNU nano 7.2 /etc/vsftpd.conf
# 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=077
chroot_local_user=YES
chroot_list_file=/etc/vsftpd.chroot_list

GNU nano 7.2 /etc/vsftpd.chroot_list
alumno1
alumno2
```

Ej22

Ej23

```
GNU nano 7.2 /var/log/vsftpd.log *
Fri Nov 15 16:01:26 2024 [pid 1437] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:01:26 2024 [pid 1436] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:01:31 2024 [pid 1440] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:01:31 2024 [pid 1439] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:01:36 2024 [pid 1445] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:01:36 2024 [pid 1444] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:01:46 2024 [pid 1452] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:01:46 2024 [pid 1451] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:01:48 2024 [pid 1455] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:01:49 2024 [pid 1454] [alumno2] FAIL LOGIN: Client "192.168.1.1"
Fri Nov 15 16:01:50 2024 [pid 1457] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:01:56 2024 [pid 1459] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:01:56 2024 [pid 1458] [rufes] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:02:02 2024 [pid 1462] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:02:02 2024 [pid 1461] [rufes] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:02:28 2024 [pid 1474] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:02:28 2024 [pid 1473] [rufes] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:02:33 2024 [pid 1477] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:02:33 2024 [pid 1476] [rufes] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:02:49 2024 [pid 1480] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:02:55 2024 [pid 1482] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:15:07 2024 [pid 1516] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:15:13 2024 [pid 1518] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:15:19 2024 [pid 1521] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:15:19 2024 [pid 1520] [rufes] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:19:03 2024 [pid 1538] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:19:03 2024 [pid 1537] [rufes] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:19:12 2024 [pid 1539] [rufes] FAIL CHMOD: Client "192.168.1.1", "/home/rufes/misficheros/mio1 744"
Fri Nov 15 16:19:19 2024 [pid 1541] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:19:26 2024 [pid 1544] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:19:32 2024 [pid 1546] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:20:17 2024 [pid 1563] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:20:23 2024 [pid 1565] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:20:23 2024 [pid 1567] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:20:23 2024 [pid 1566] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:20:29 2024 [pid 1568] [alumno2] OK CHMOD: Client "192.168.1.1", "/home/alumno2/ficherosa1/a1f1 764"
Fri Nov 15 16:20:40 2024 [pid 1568] [alumno2] OK CHMOD: Client "192.168.1.1", "/home/alumno2/ficherosa1/a1f1 664"
Fri Nov 15 16:21:12 2024 [pid 1581] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:21:12 2024 [pid 1580] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:22:02 2024 [pid 1605] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:22:02 2024 [pid 1604] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:47:16 2024 [pid 1627] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:47:16 2024 [pid 1626] [alumno2] OK LOGIN: Client "192.168.1.1"
Fri Nov 15 16:47:21 2024 [pid 1630] CONNECT: Client "192.168.1.1"
Fri Nov 15 16:47:21 2024 [pid 1629] [alumno2] OK LOGIN: Client "192.168.1.1"
```

Ej24

```
GNU nano 7.2 /etc/vsftpd.conf
# Allow anonymous FTP? (Disabled by default).
anonymous_enable=YES
anon_max_rate=5120
```

Ej25

```
GNU nano 7.2 /etc/vsftpd.conf
# Uncomment this to allow local users to log in.
local_enable=YES
local_max_rate=20480
```

Ej26

```
GNU nano 7.2 /etc/vsftpd.conf
max_clients=2
```

Ej27

```
GNU nano 7.2 /etc/vsftpd.conf
max_per_ip=1_
```