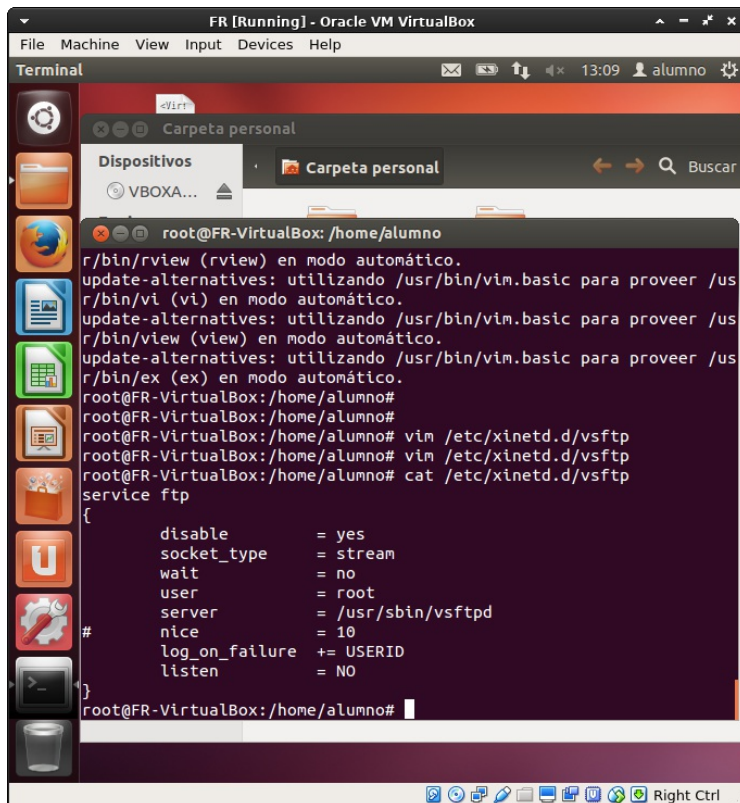


Ejercicios 5,6 y 7 (Restantes - ftp)

Relación 1 Prácticas FR

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Configuración inicial de ftp:

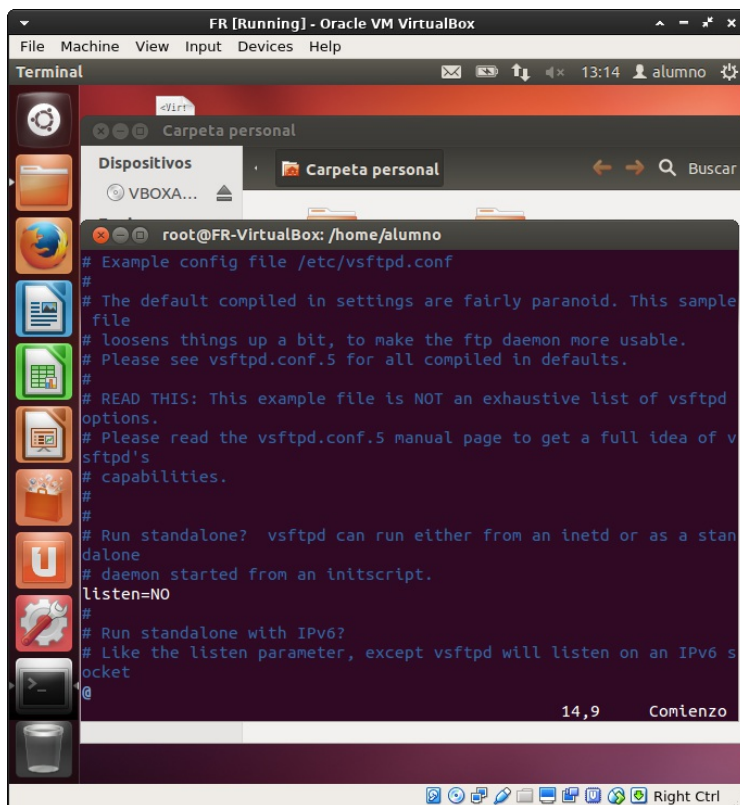


The screenshot shows a terminal window titled "FR [Running] - Oracle VM VirtualBox". The terminal output displays the following commands and their results:

```
root@FR-VirtualBox: /home/alumno# r/bin/rview (rview) en modo automático.
update-alternatives: utilizando /usr/bin/vim.basic para proveer /usr/bin/vi (vi) en modo automático.
update-alternatives: utilizando /usr/bin/vim.basic para proveer /usr/bin/view (view) en modo automático.
update-alternatives: utilizando /usr/bin/vim.basic para proveer /usr/bin/ex (ex) en modo automático.
root@FR-VirtualBox: /home/alumno# vim /etc/xinetd.d/vsftpd
root@FR-VirtualBox: /home/alumno# vim /etc/xinetd.d/vsftpd
root@FR-VirtualBox: /home/alumno# cat /etc/xinetd.d/vsftpd
service ftp
{
    disable          = yes
    socket_type      = stream
    wait             = no
    user             = root
    server            = /usr/sbin/vsftpd
    nice             = 10
    log_on_failure   += USERID
    listen           = NO
}
```

The terminal window also shows a file manager interface with a sidebar containing icons for various applications and a main pane displaying the contents of the "/home/alumno" directory.

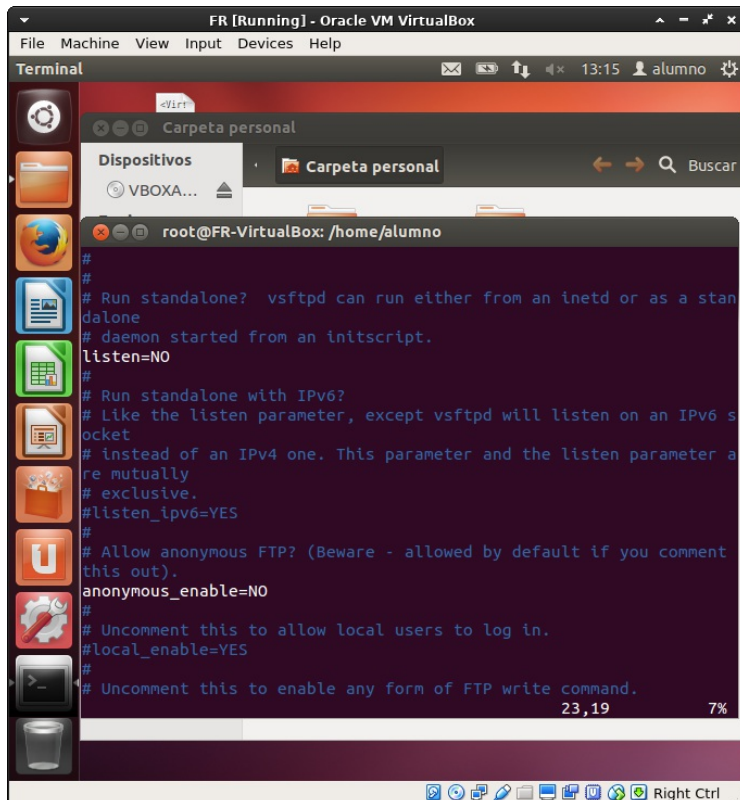
Establecemos **listen=NO** para que no funcione en modo *standalone*.



The screenshot shows a VirtualBox window titled "FR [Running] - Oracle VM VirtualBox". Inside, there is a terminal window with a dark background. The terminal prompt is "root@FR-VirtualBox: /home/alumno". The terminal displays the contents of the file "/etc/vsftpd.conf", which includes comments about the default settings and a sample configuration. The configuration line "listen=NO" is highlighted in red. The terminal also shows the output of the "ls" command, listing the files in the current directory. The bottom of the terminal window shows the time "14,9" and the word "Comienzo".

```
root@FR-VirtualBox: /home/alumno
# 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 v
# sftpd's
# capabilities.
#
# Run standalone? vsftpd can run either from an inetd or as a stan
# dalone
# daemon started from an initscript.
listen=NO
#
# Run standalone with IPv6?
# Like the listen parameter, except vsftpd will listen on an IPv6 s
# ocket
@
14,9 Comienzo
```

Establecemos **anonymous_enable=NO** para impedir el acceso a cuenta *anonymous*.

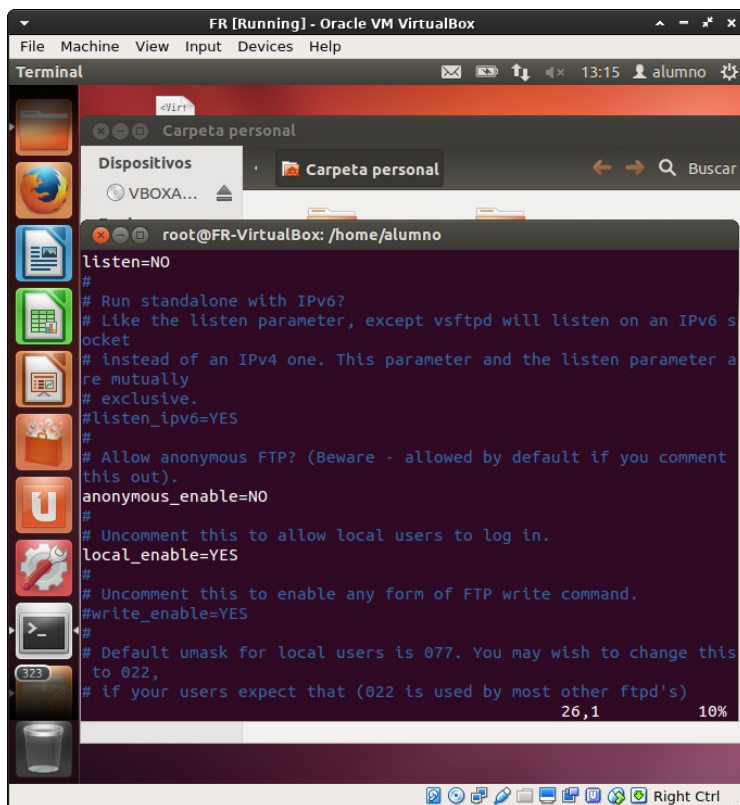


The screenshot shows a terminal window titled "FR [Running] - Oracle VM VirtualBox". The terminal is running as root on a machine named "alumno". The prompt is "root@FR-VirtualBox: /home/alumno". The terminal displays the contents of the vsftpd configuration file, with several lines highlighted in red to show the configuration changes being made:

```
# Run standalone? vsftpd can run either from an inetd or as a standalone
# daemon started from an initscript.
listen=NO
#
# Run standalone with IPv6?
# Like the listen parameter, except vsftpd will listen on an IPv6 socket
# instead of an IPv4 one. This parameter and the listen parameter are mutually
# exclusive.
#listen_ipv6=YES
#
# Allow anonymous FTP? (Beware - allowed by default if you comment this out).
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.
```

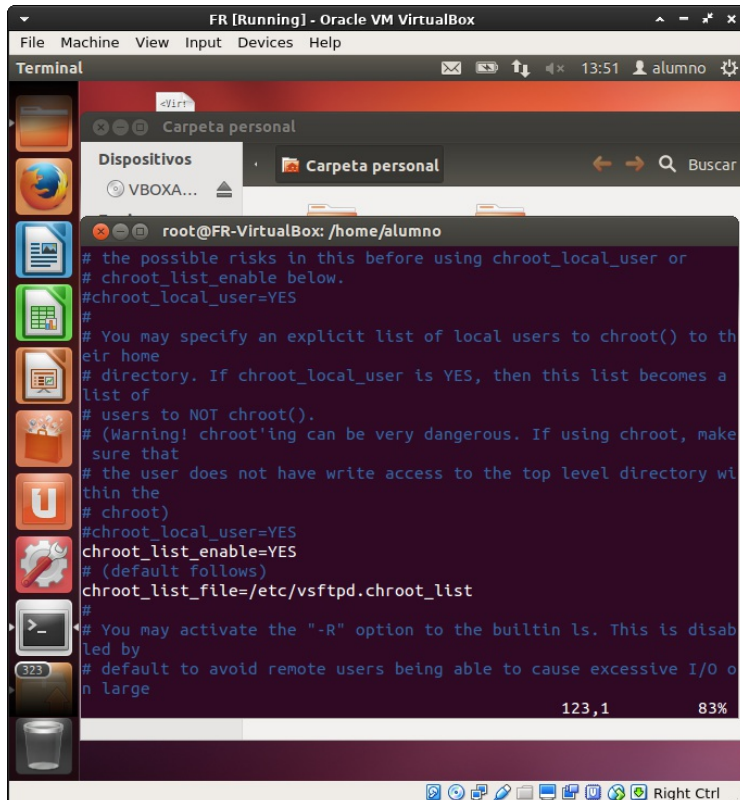
The terminal also shows a file manager window titled "Carpeta personal" and a sidebar with various icons. The bottom of the terminal window shows a progress bar with "23,19" and "7%".

Establecemos **local_enable=YES** para permitir a las cuentas locales.

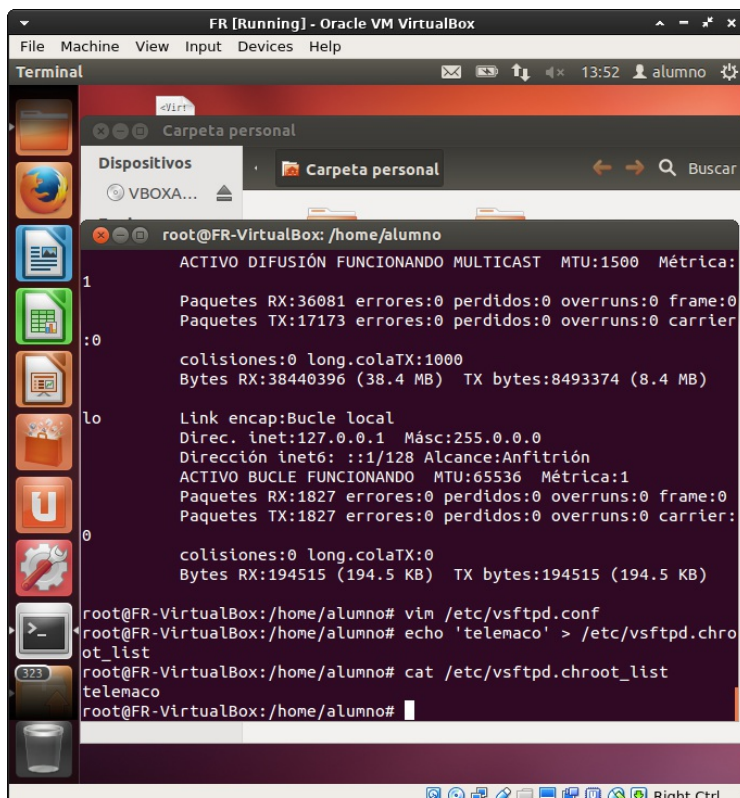


```
FR [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Terminal 13:15 alumno
Carpeta personal
Dispositivos VBOXA...
root@FR-VirtualBox: /home/alumno
listen=NO
# Run standalone with IPv6?
# Like the listen parameter, except vsftpd will listen on an IPv6 s
ocket
# instead of an IPv4 one. This parameter and the listen parameter a
re mutually
# exclusive.
#listen_ipv6=YES
# Allow anonymous FTP? (Beware - allowed by default if you comment
this out).
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)
26,1 10%
```

Descomentamos la opción de *chroot* y añadimos el usuario creado ***telemaco*** al fichero.

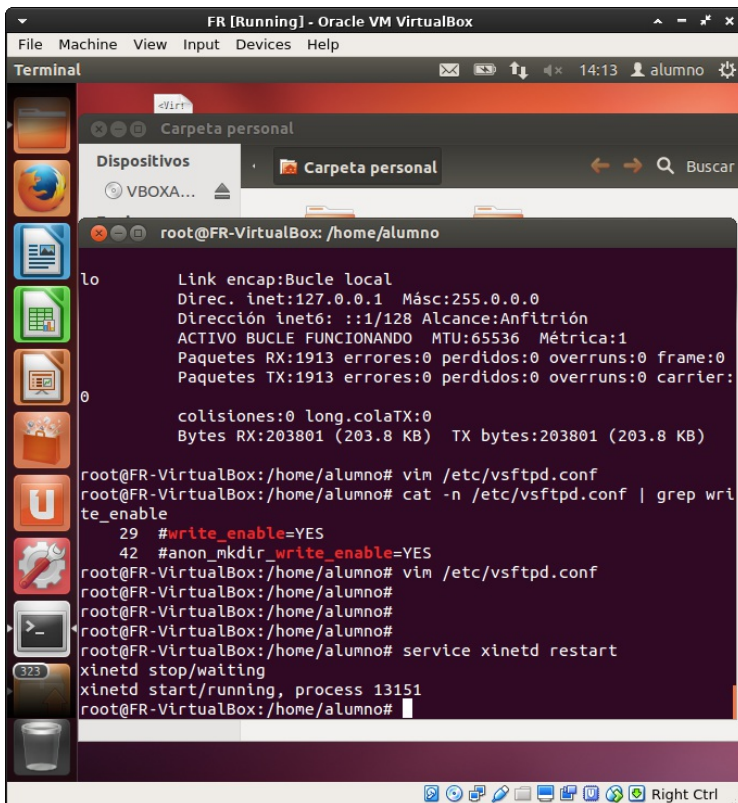


```
FR [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Terminal
Carpeta personal
Dispositivos
VBOXA...
root@FR-VirtualBox: /home/alumno
# the possible risks in this before using chroot_local_user or
# chroot_list_enable below.
#chroot_local_user=YES
#
# You may specify an explicit list of local users to chroot() to th
eir home
# directory. If chroot_local_user is YES, then this list becomes a
list of
# users to NOT chroot().
# (Warning! chroot'ing can be very dangerous. If using chroot, make
sure that
# the user does not have write access to the top level directory wi
thin the
# chroot)
#chroot_local_user=YES
chroot_list_enable=YES
# (default follows)
chroot_list_file=/etc/vsftpd.chroot_list
#
# You may activate the "-R" option to the builtin ls. This is disab
led by
# default to avoid remote users being able to cause excessive I/O o
n large
123,1 83%
```



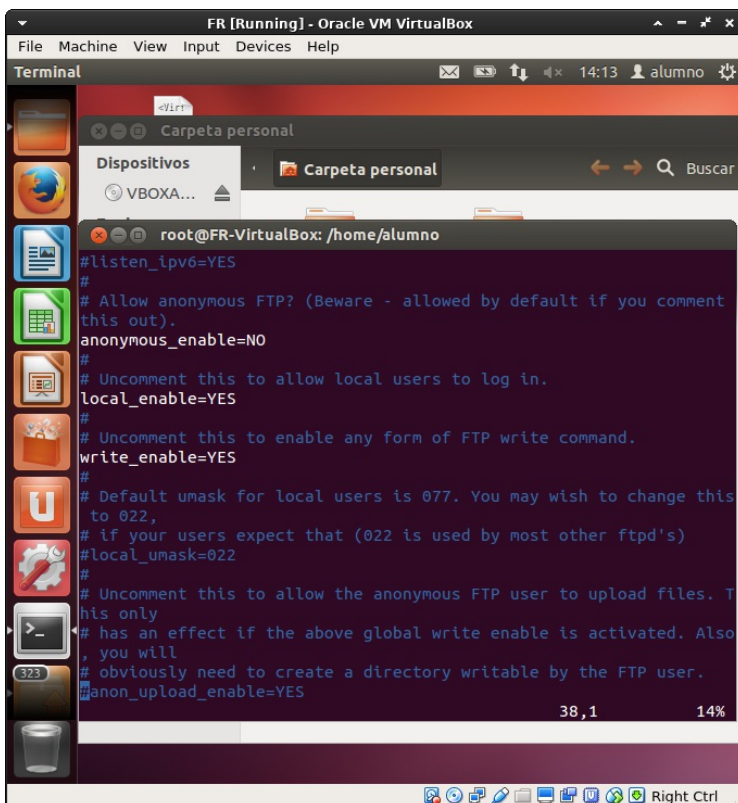
```
FR [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Terminal
Carpeta personal
Dispositivos
VBOXA...
root@FR-VirtualBox: /home/alumno
ACTIVO DIFUSIÓN FUNCIONANDO MULTICAST MTU:1500 Métrica:
1
Paquetes RX:36081 errores:0 perdidos:0 overruns:0 frame:0
Paquetes TX:17173 errores:0 perdidos:0 overruns:0 carrier
:0
colisiones:0 long.colaTX:1000
Bytes RX:38440396 (38.4 MB) TX bytes:8493374 (8.4 MB)
lo
Link encap:Bucle local
Direc. inet:127.0.0.1 Másc:255.0.0.0
Dirección inet6: ::1/128 Alcance:Anfitrión
ACTIVO BUCLE FUNCIONANDO MTU:65536 Métrica:1
Paquetes RX:1827 errores:0 perdidos:0 overruns:0 frame:0
Paquetes TX:1827 errores:0 perdidos:0 overruns:0 carrier:
0
colisiones:0 long.colaTX:0
Bytes RX:194515 (194.5 KB) TX bytes:194515 (194.5 KB)
root@FR-VirtualBox:/home/alumno# vim /etc/vsftpd.conf
root@FR-VirtualBox:/home/alumno# echo 'telemaco' > /etc/vsftpd.chro
ot_list
root@FR-VirtualBox:/home/alumno# cat /etc/vsftpd.chroot_list
telemaco
root@FR-VirtualBox:/home/alumno#
```


Descomentamos la opción **write_enable=YES** para que acepte subida de ficheros al servidor ftp.



```
root@FR-VirtualBox: /home/alumno# ifconfig
lo
    Link encap:Bucle local
    Direc. inet:127.0.0.1 Másc:255.0.0.0
    Dirección inet6: ::1/128 Alcance:Anfitrión
    ACTIVO BUCLE FUNCIONANDO MTU:65536 Métrica:1
    Paquetes RX:1913 errores:0 perdidos:0 overruns:0 frame:0
    Paquetes TX:1913 errores:0 perdidos:0 overruns:0 carrier:0
    colisiones:0 long.colaTX:0
    Bytes RX:203801 (203.8 KB)
    TX bytes:203801 (203.8 KB)

root@FR-VirtualBox: /home/alumno# vim /etc/vsftpd.conf
root@FR-VirtualBox: /home/alumno# cat -n /etc/vsftpd.conf | grep write_enable
29 #write_enable=YES
42 #anon_mkdir_write_enable=YES
root@FR-VirtualBox: /home/alumno# vim /etc/vsftpd.conf
root@FR-VirtualBox: /home/alumno#
root@FR-VirtualBox: /home/alumno#
root@FR-VirtualBox: /home/alumno# service xinetd restart
xinetd stop/waiting
xinetd start/running, process 13151
root@FR-VirtualBox: /home/alumno#
```



```
root@FR-VirtualBox: /home/alumno# cat /etc/vsftpd.conf
#listen_ipv6=YES
#
# Allow anonymous FTP? (Beware - allowed by default if you comment
# this out).
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
#
# 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
```