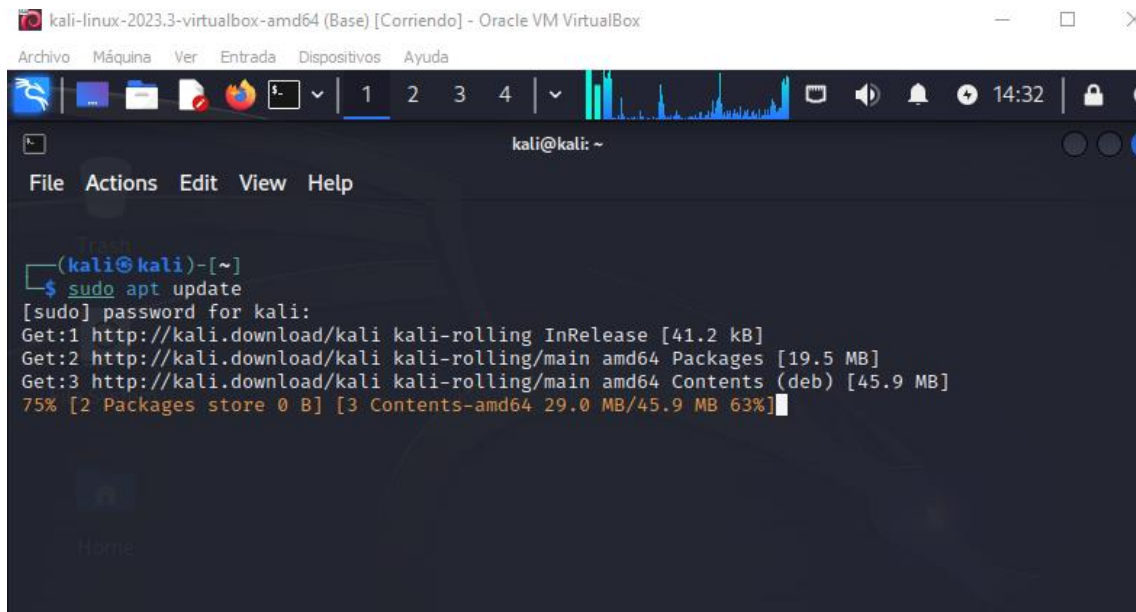




# Creación y configuración de un servidor FTP

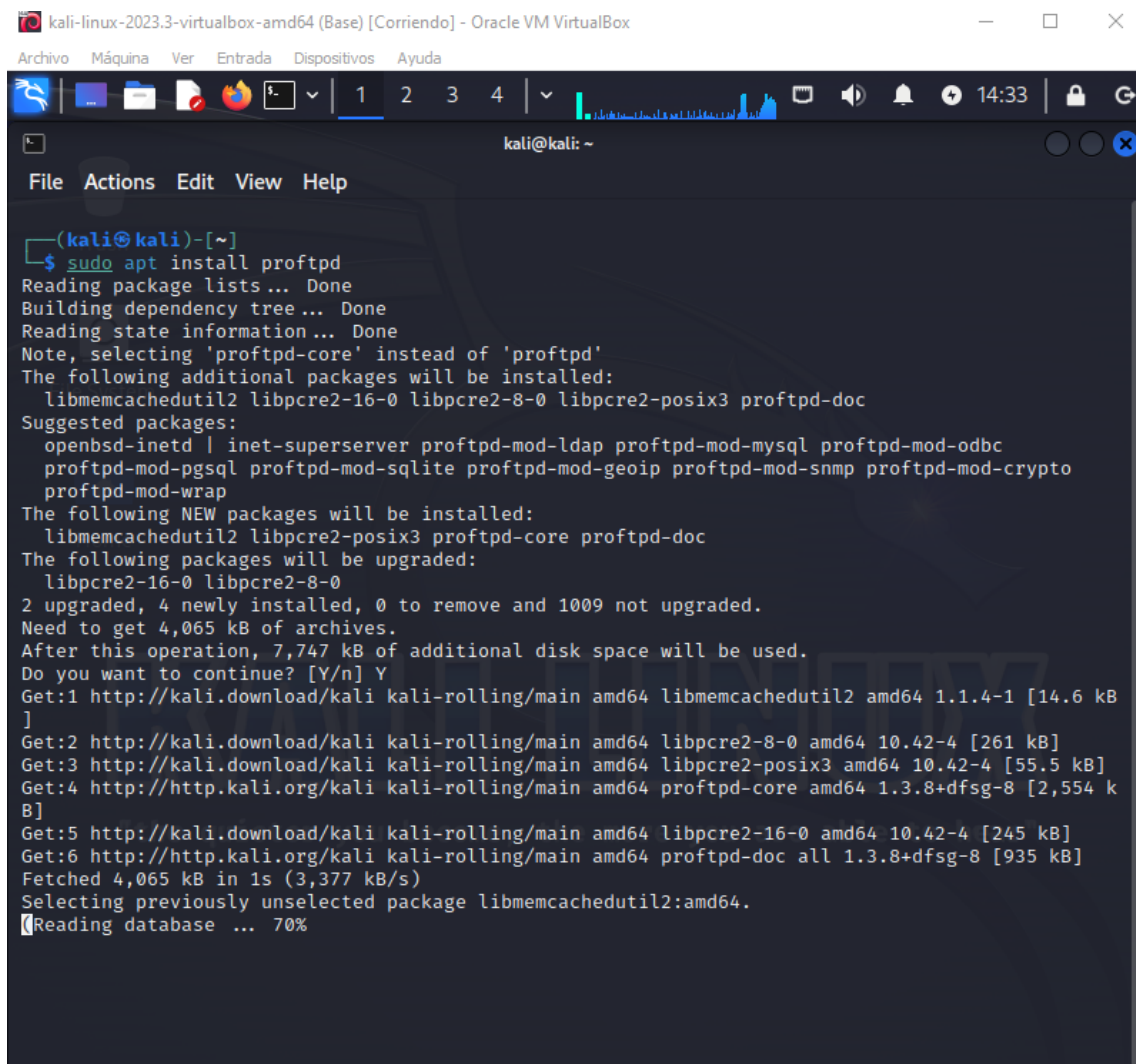
**Diseño de Interfaces**  
**Daniel Tejerizo Moretón**  
**2º DAW**

## Actualizamos el sistema primero



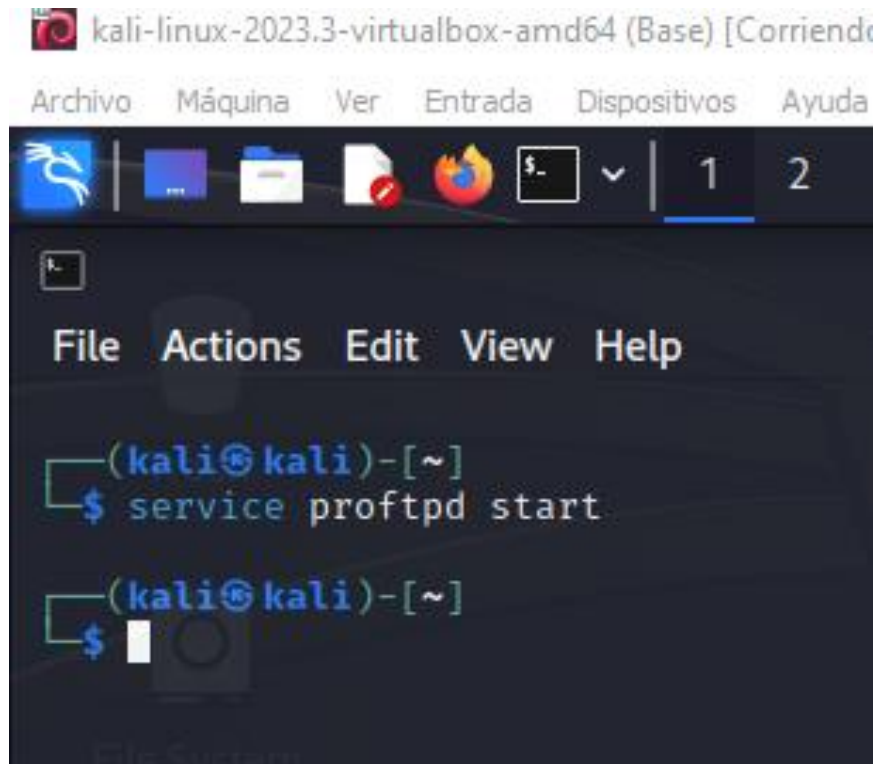
```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ sudo apt update  
[sudo] password for kali:  
Get:1 http://kali.download/kali kali-rolling InRelease [41.2 kB]  
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [19.5 MB]  
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [45.9 MB]  
75% [2 Packages store 0 B] [3 Contents-amd64 29.0 MB/45.9 MB 63%]
```

## Instalamos el servidor FTP



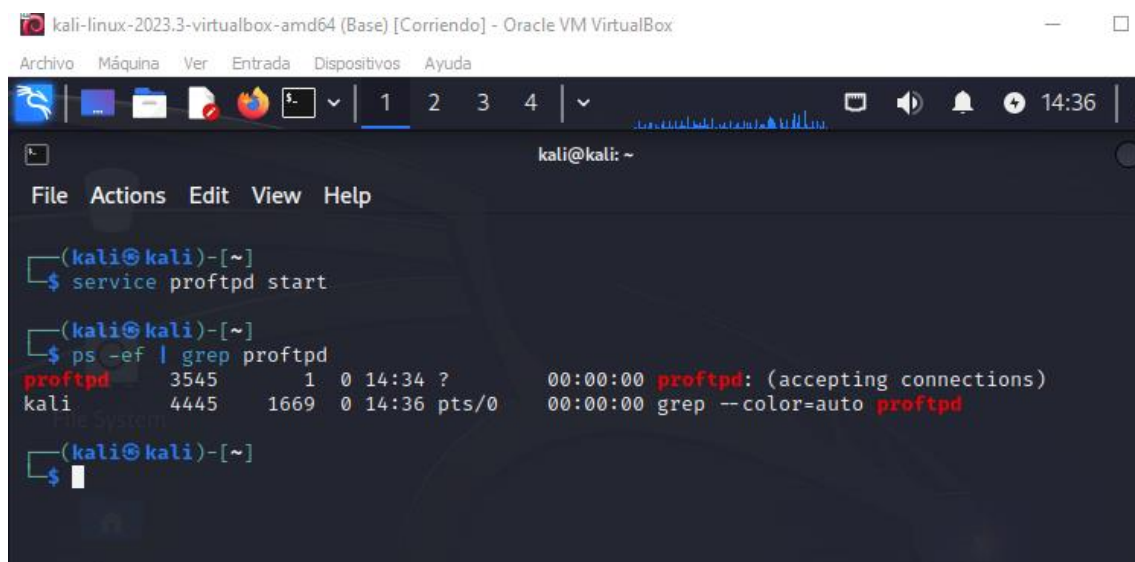
```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ sudo apt install proftpd  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Note, selecting 'proftpd-core' instead of 'proftpd'  
The following additional packages will be installed:  
  libmemcachedutil2 libpcre2-16-0 libpcre2-8-0 libpcre2-posix3 proftpd-doc  
Suggested packages:  
  openbsd-inetd | inet-superserver proftpd-mod-ldap proftpd-mod-mysql proftpd-mod-odbc  
  proftpd-mod-pgsql proftpd-mod-sqlite proftpd-mod-geoip proftpd-mod-snmp proftpd-mod-crypto  
  proftpd-mod-wrap  
The following NEW packages will be installed:  
  libmemcachedutil2 libpcre2-posix3 proftpd-core proftpd-doc  
The following packages will be upgraded:  
  libpcre2-16-0 libpcre2-8-0  
2 upgraded, 4 newly installed, 0 to remove and 1009 not upgraded.  
Need to get 4,065 kB of archives.  
After this operation, 7,747 kB of additional disk space will be used.  
Do you want to continue? [Y/n] Y  
Get:1 http://kali.download/kali kali-rolling/main amd64 libmemcachedutil2 amd64 1.1.4-1 [14.6 kB]  
Get:2 http://kali.download/kali kali-rolling/main amd64 libpcre2-8-0 amd64 10.42-4 [261 kB]  
Get:3 http://kali.download/kali kali-rolling/main amd64 libpcre2-posix3 amd64 10.42-4 [55.5 kB]  
Get:4 http://http.kali.org/kali kali-rolling/main amd64 proftpd-core amd64 1.3.8+dfsg-8 [2,554 kB]  
Get:5 http://kali.download/kali kali-rolling/main amd64 libpcre2-16-0 amd64 10.42-4 [245 kB]  
Get:6 http://http.kali.org/kali kali-rolling/main amd64 proftpd-doc all 1.3.8+dfsg-8 [935 kB]  
Fetched 4,065 kB in 1s (3,377 kB/s)  
Selecting previously unselected package libmemcachedutil2:amd64.  
[Reading database ... 70%
```

## Arrancamos el servicio



The screenshot shows a terminal window titled 'kali-linux-2023.3-virtualbox-amd64 (Base) [Corriendo]'. The terminal prompt is '(kali@kali)-[~]'. The user has entered the command 'service proftpd start'. The output of the command is not visible in this screenshot.

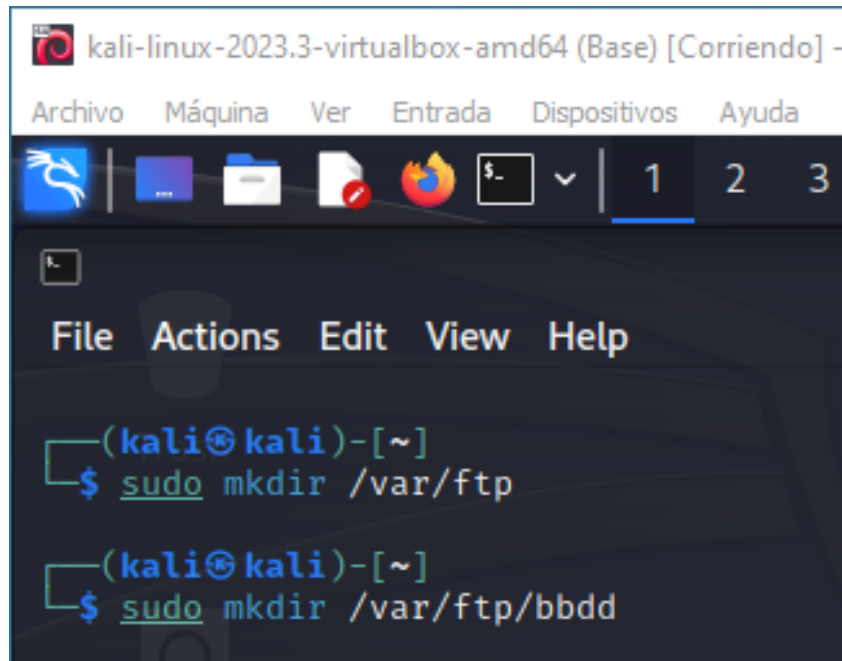
## Monotorizamos el servidor



The screenshot shows a terminal window titled 'kali-linux-2023.3-virtualbox-amd64 (Base) [Corriendo] - Oracle VM VirtualBox'. The terminal prompt is 'kali@kali: ~'. The user has entered the command 'ps -ef | grep proftpd'. The output shows the running process 'proftpd'.

Process	PPID	UID	TIME	STATUS	COMMAND
proftpd	3545	1	0 14:34 ?	S	proftpd: (accepting connections)
kali	4445	1669	0 14:36 pts/0	ss	grep --color=auto proftpd

## Creación del directorio base de FTP



```
kali-linux-2023.3-virtualbox-amd64 (Base) [Corriendo] -
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
File Actions Edit View Help
(kali@kali)-[~]
$ sudo mkdir /var/ftp
(kali@kali)-[~]
$ sudo mkdir /var/ftp/bbdd
```

```
(kali@kali)-[~]
$ sudo id ftp
uid=135(ftp) gid=65534(nogroup) groups=65534(nogroup)
```

```
(kali@kali)-[~]
$ sudo chown -R ftp /var/ftp/bbdd
```

## Creación del usuario virtual

```
(kali@kali)-[~]
$ sudo ftpasswd --passwd --name daniel --home /var/ftp/bbdd --uid 134 --shell /bin/false --file /etc/proftpd/passwd.virtuales
ftpasswd: using alternate file: /etc/proftpd/passwd.virtuales
ftpasswd: --passwd: missing --gid argument: default gid set to uid
ftpasswd: creating passwd entry for user daniel

ftpasswd: /bin/false is not among the valid system shells. Use of
ftpasswd: "RequireValidShell off" may be required, and the PAM
ftpasswd: module configuration may need to be adjusted.

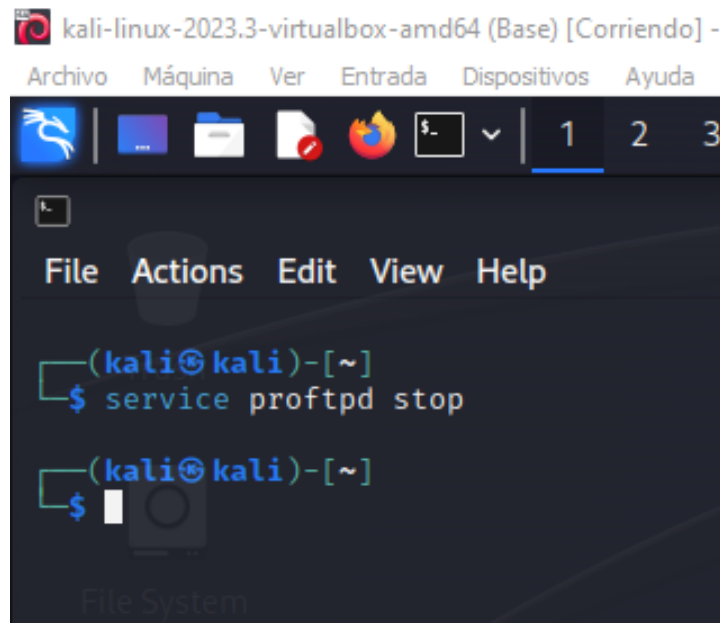
Password:
Re-type password:

ftpasswd: entry created

(kali@kali)-[~]
$
```

**Passwd: Daniel**

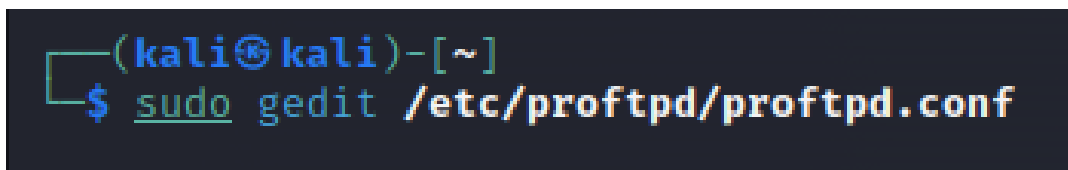
## Paramos el servicio



The screenshot shows a terminal window titled "kali-linux-2023.3-virtualbox-amd64 (Base) [Corriendo] -". The terminal has a menu bar with "File", "Actions", "Edit", "View", and "Help". The command prompt is "(kali@kali)-[~]". The user enters the command "service proftpd stop". The prompt then changes to "(kali@kali)-[~]" with a cursor.

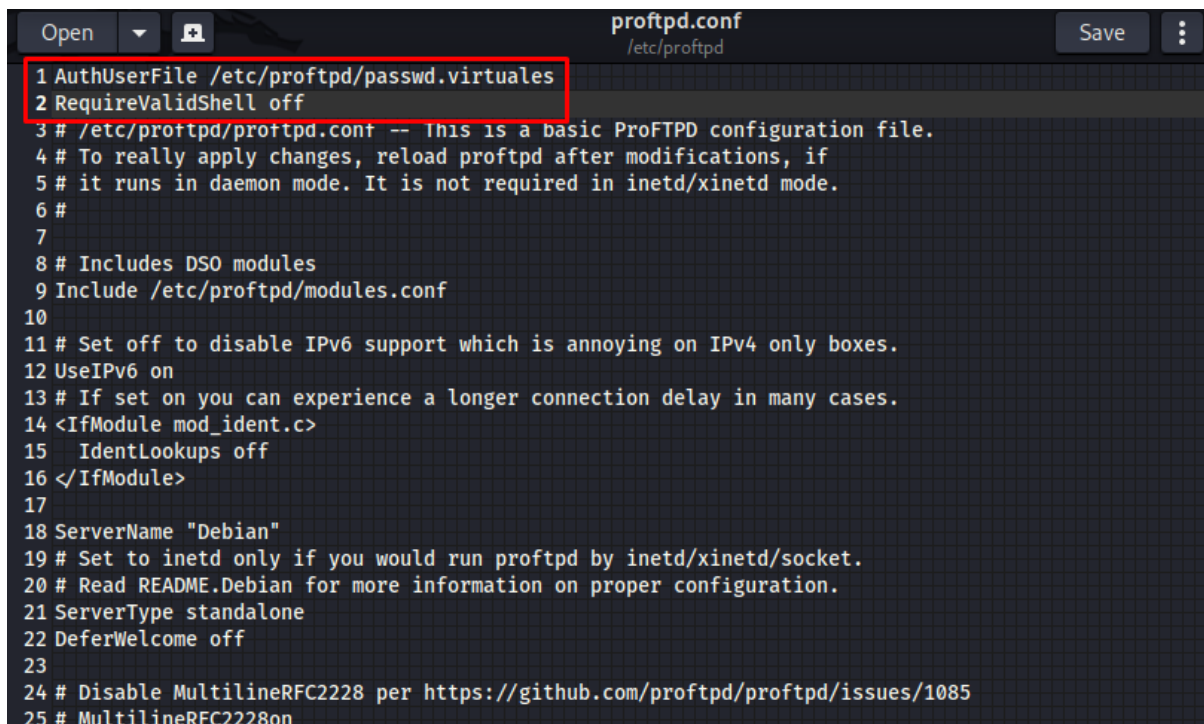
```
(kali@kali)-[~]  
$ service proftpd stop  
  
(kali@kali)-[~]  
$
```

## Editamos el archivo



The screenshot shows a terminal window with the command prompt "(kali@kali)-[~]". The user enters the command "sudo gedit /etc/proftpd/proftpd.conf".

```
(kali@kali)-[~]  
$ sudo gedit /etc/proftpd/proftpd.conf
```

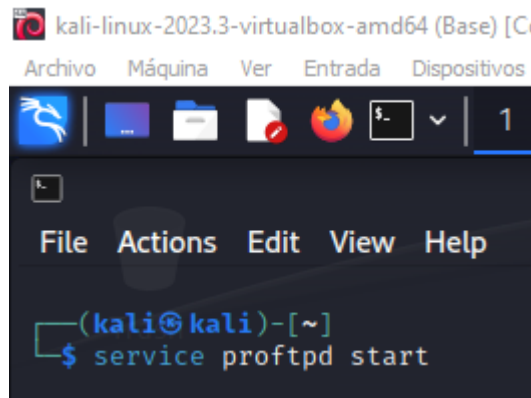


The screenshot shows the "proftpd.conf" file in a text editor. The file is titled "proftpd.conf" and the path is "/etc/proftpd". The first two lines are highlighted with a red box: "1 AuthUserFile /etc/proftpd/passwd.virtuales" and "2 RequireValidShell off". The rest of the file contains comments and configuration options.

```
1 AuthUserFile /etc/proftpd/passwd.virtuales  
2 RequireValidShell off  
3 # /etc/proftpd/proftpd.conf -- This is a basic ProFTPD configuration file.  
4 # To really apply changes, reload proftpd after modifications, if  
5 # it runs in daemon mode. It is not required in inetd/xinetd mode.  
6 #  
7  
8 # Includes DSO modules  
9 Include /etc/proftpd/modules.conf  
10  
11 # Set off to disable IPv6 support which is annoying on IPv4 only boxes.  
12 UseIPv6 on  
13 # If set on you can experience a longer connection delay in many cases.  
14 <IfModule mod_ident.c>  
15   IdentLookups off  
16 </IfModule>  
17  
18 ServerName "Debian"  
19 # Set to inetd only if you would run proftpd by inetd/xinetd/socket.  
20 # Read README.Debian for more information on proper configuration.  
21 ServerType standalone  
22 DeferWelcome off  
23  
24 # Disable MultilineRFC2228 per https://github.com/proftpd/proftpd/issues/1085  
25 # MultilineRFC2228on
```

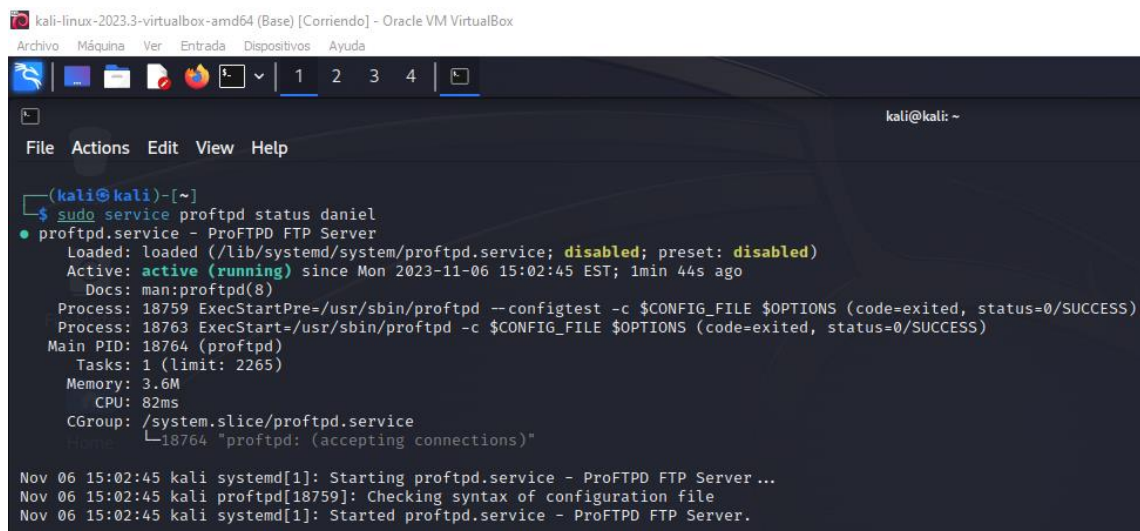


## Iniciamos el servicio

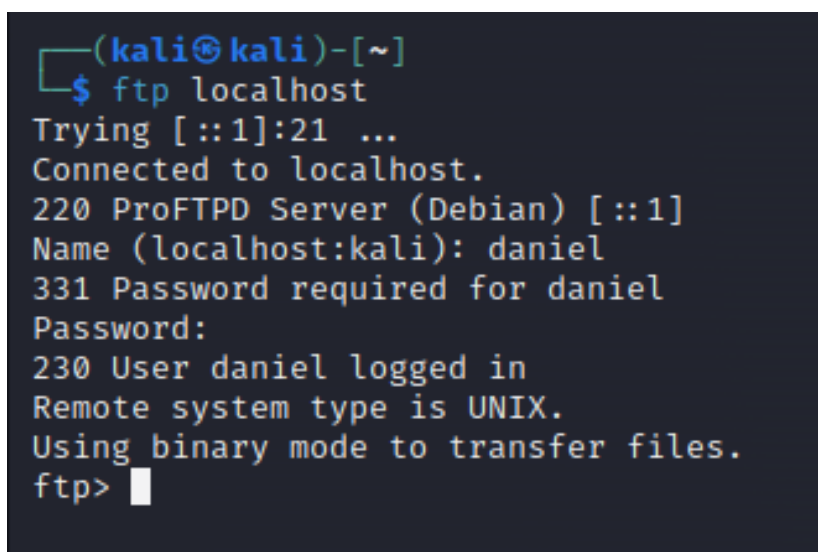


```
(kali@kali)-[~]  
$ service proftpd start
```

## Vemos el estado



```
(kali@kali)-[~]  
$ sudo service proftpd status daniel  
● proftpd.service - ProFTPD FTP Server  
   Loaded: loaded (/lib/systemd/system/proftpd.service; disabled; preset: disabled)  
   Active: active (running) since Mon 2023-11-06 15:02:45 EST; 1min 44s ago  
     Docs: man:proftpd(8)  
   Process: 18759 ExecStartPre=/usr/sbin/proftpd --configtest -c $CONFIG_FILE $OPTIONS (code=exited, status=0/SUCCESS)  
   Process: 18763 ExecStart=/usr/sbin/proftpd -c $CONFIG_FILE $OPTIONS (code=exited, status=0/SUCCESS)  
 Main PID: 18764 (proftpd)  
    Tasks: 1 (limit: 2265)  
   Memory: 3.6M  
      CPU: 82ms  
   CGroup: /system.slice/proftpd.service  
           └─18764 "proftpd: (accepting connections)"  
  
Nov 06 15:02:45 kali systemd[1]: Starting proftpd.service - ProFTPD FTP Server ...  
Nov 06 15:02:45 kali proftpd[18759]: Checking syntax of configuration file  
Nov 06 15:02:45 kali systemd[1]: Started proftpd.service - ProFTPD FTP Server.
```



```
(kali@kali)-[~]  
$ ftp localhost  
Trying [::1]:21 ...  
Connected to localhost.  
220 ProFTPD Server (Debian) [::1]  
Name (localhost:kali): daniel  
331 Password required for daniel  
Password:  
230 User daniel logged in  
Remote system type is UNIX.  
Using binary mode to transfer files.  
ftp>
```