

EJERCICIO 1 (5p)

1. (1p) Configura PROFTPD.

```
examendespliegue@examendespliegue-VirtualBox:~$ sudo apt install proftpd -y
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Nota, seleccionando «proftpd-core» en lugar de «proftpd»
proftpd-core ya está en su versión más reciente (1.3.8.b+dfsg-1build3).
fijado proftpd-core como instalado manualmente.
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 22 no actualizados.
examendespliegue@examendespliegue-VirtualBox:~$ sudo nano /etc/proftpd/proftpd.conf
```

```
GNU nano 7.2 /etc/proftpd/proftpd.conf
# /etc/proftpd/proftpd.conf -- This is a basic ProFTPD configuration file.
# To really apply changes, reload proftpd after modifications, if
# it runs in daemon mode. It is not required in inetd/xinetd mode.
#
# Includes DSO modules
Include /etc/proftpd/modules.conf
# Set off to disable IPv6 support which is annoying on IPv4 only boxes.
UseIPv6 on
# If set on you can experience a longer connection delay in many cases.
<IfModule mod_ident.c>
    IdentLookups off
</IfModule>
ServerName "Examen-Despliegue-Vicent-Romero"
# Set to inetd only if you would run proftpd by inetd/xinetd/socket.
# Read README.Debian for more information on proper configuration.
ServerType standalone
DeferWelcome off
```

```
examendespliegue@examendespliegue-VirtualBox:~$ sudo service proftpd status
● proftpd.service - ProFTPD FTP Server
   Loaded: loaded (/usr/lib/systemd/system/proftpd.service; enabled; preset: enabled)
   Active: active (running) since Thu 2024-11-28 17:12:20 CET; 4min 41s ago
     Docs: man:proftpd(8)
   Process: 4481 ExecStartPre=/usr/sbin/proftpd --configtest -c $CONFIG_FILE $OPTIONS (code=exited, status=0/SUCCESS)
   Process: 4483 ExecStart=/usr/sbin/proftpd -c $CONFIG_FILE $OPTIONS (code=exited, status=0/SUCCESS)
  Main PID: 4484 (proftpd)
    Tasks: 1 (limit: 2269)
   Memory: 2.1M (peak: 3.2M)
      CPU: 29ms
   CGroup: /system.slice/proftpd.service
           └─4484 "proftpd: (accepting connections)"

nov 28 17:12:20 examendespliegue-VirtualBox systemd[1]: Starting proftpd.service - ProFTPD FTP Server...
nov 28 17:12:20 examendespliegue-VirtualBox proftpd[4481]: Checking syntax of configuration file
nov 28 17:12:20 examendespliegue-VirtualBox systemd[1]: Started proftpd.service - ProFTPD FTP Server.
```

2. (1p) Configura usuarios virtuales en MySQL. Los usuarios llamados examen1 y examen2 tienen que ser los únicos que se puedan conectar por ftp. Coge como referencia la Práctica 2.

```
MariaDB [(none)]> create database ftp
-> ;
Query OK, 1 row affected (0,000 sec)

MariaDB [(none)]> use ftp;
Database changed
```

```
MariaDB [ftp]> describe usuarios;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| username | varchar(100) | NO | | NULL | |
| uid | int(6) | YES | | NULL | |
| gid | int(6) | YES | | NULL | |
| homedir | varchar(50) | YES | | NULL | |
| shell | varchar(20) | YES | | NULL | |
| activa | tinyint(4) | YES | | 1 | |
| password | varchar(200) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0,003 sec)

MariaDB [ftp]> INSERT INTO usuarios VALUES('examen1',5000,6000,'/srv/user1/', '/bin/false',1,'user1');
Query OK, 1 row affected (0,002 sec)

MariaDB [ftp]> INSERT INTO usuarios VALUES('examen2',5000,6000,'/srv/user2/', '/bin/false',1,'user2');
Query OK, 1 row affected (0,003 sec)
```

3. (0,5p) Crea un usuario examen3 que no se pueda conectar por ftp, para validar el punto anterior.

```
MariaDB [ftp]> INSERT INTO usuarios VALUES('examen3',5000,6000,'/srv/user3/', '/bin/false',0,'user3');
Query OK, 1 row affected (0,004 sec)
```

4. (0,5p) Muestra los permisos de los usuarios examen1, examen2 y examen3, para ver las diferencias existentes.

```
GNU nano 7.2 /etc/proftpd/proftpd.conf *
# # </Limit>
# # </Directory>
#
# </Anonymous>

# Include other custom configuration files
# !! Please note, that this statement will read /all/ file from this subdir,
# i.e. backup files created by your editor, too !!!
# Eventually create file patterns like this: /etc/proftpd/conf.d/*.conf
#
Include /etc/proftpd/conf.d/
AuthPAM off
RequireValidShell off
DefaultRoot ~

SqlBackend mysql
SQLAuthTypes PlainText
SQLAuthenticate on
SQLConnectInfo ftp@localhost ftp 123
SQLDefaultGID 65534
SQLDefaultUID 65534
SQLMinUserGID 500
SQLMinUserUID 500
SQLGroupInfo grupos groupname gid members
SQLUserInfo usuarios username password uid gid homedir shell
SQLUserWhereClause "activa=1"
SQLLogFile /var/log/proftpd_mysql.log

root@examendespliegue-VirtualBox:/home/examendespliegue# cd /srv
root@examendespliegue-VirtualBox:/srv# mkdir user1
root@examendespliegue-VirtualBox:/srv# sudo mkdir user1
mkdir: no se puede crear el directorio «user1»: El archivo ya existe
root@examendespliegue-VirtualBox:/srv# sudo mkdir user2
root@examendespliegue-VirtualBox:/srv# sudo chown -R 5000:6000 user1
root@examendespliegue-VirtualBox:/srv# sudo chown -R 5000:6000 user2
root@examendespliegue-VirtualBox:/srv# ls -l /srv
total 12
drwxr-x-- 2 ftp nogroup 4096 nov 28 17:12 ftp
drwxr-xr-x 2 5000 6000 4096 nov 28 17:38 user1
drwxr-xr-x 2 5000 6000 4096 nov 28 17:38 user2
```

5. (0,75p) Crea una carpeta virtual para el usuario examen2 llamada “web2” que realmente se almacene en /usr/www

6. (0,75p) Sube y descarga un archivo desde la carpeta web2 del usuario examen2 por consola y por Filezilla.

7. (0,5p) Configura ahora PROFTPD para usar FTPS

Miré el error que tenía y no lo pude solucionar

```
root@examendespliegue-VirtualBox:~# systemctl status proftpd.service
* proftpd.service - ProFTPD FTP Server
   Loaded: loaded (/usr/lib/systemd/system/proftpd.service; enabled; preset: enabled)
   Active: failed (Result: exit-code) since Thu 2024-11-28 17:51:26 CET; 3min 25s ago
 Duration: 35min 37.153s
    Docs: man:proftpd(8)
   Process: 6177 ExecStartPre=/usr/sbin/proftpd --configtest -c $CONFIG_FILE $OPTIONS (code=exited, status=1/FAILURE)
      CPU: 16ms

nov 28 17:51:26 examendespliegue-VirtualBox systemd[1]: Starting proftpd.service - ProFTPD FTP Server...
nov 28 17:51:26 examendespliegue-VirtualBox proftpd[6177]: Checking syntax of configuration file
nov 28 17:51:26 examendespliegue-VirtualBox proftpd[6177]: 2024-11-28 17:51:26,968 examendespliegue-VirtualBox proft>
nov 28 17:51:26 examendespliegue-VirtualBox systemd[1]: proftpd.service: Control process exited, code=exited, status>
nov 28 17:51:26 examendespliegue-VirtualBox systemd[1]: proftpd.service: Failed with result 'exit-code'.
nov 28 17:51:26 examendespliegue-VirtualBox systemd[1]: Failed to start proftpd.service - ProFTPD FTP Server.
lines 1-14/14 (END)
[2]+  Detenido                  systemctl status proftpd.service
^X^C
root@examendespliegue-VirtualBox:~# sudo tail -f /var/log/proftpd/proftpd.log
2024-11-28 17:12:20,326 examendespliegue-VirtualBox proftpd[4484] examendespliegue-VirtualBox: ProFTPD 1.3.8b (maint)
(built Mon Apr 1 2024 04:40:43 UTC) standalone mode STARTUP
2024-11-28 17:47:57,882 examendespliegue-VirtualBox proftpd[4484] examendespliegue-VirtualBox: ProFTPD killed (signal
15)
2024-11-28 17:47:57,884 examendespliegue-VirtualBox proftpd[4484] examendespliegue-VirtualBox: ProFTPD 1.3.8b standal
one mode SHUTDOWN
```