1. Instalare vsftpd

sudo apt update

sudo apt install vsftpd

```
robert@robert-VirtualBox:~$ sudo apt install vsftpd -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 8 not upgraded.
Need to get 120 kB of archives.
After this operation, 312 kB of additional disk space will be used.
Get:1 http://ro.archive.ubuntu.com/ubuntu noble-updates/main amd64 vsftpd amd64
3.0.5-0ubuntu3.1 [120 kB]
Fetched 120 kB in 0s (343 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 153231 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.5-0ubuntu3.1_amd64.deb ...
Unpacking vsftpd (3.0.5-0ubuntu3.1) ...
Setting up vsftpd (3.0.5-0ubuntu3.1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service → /us
r/lib/systemd/system/vsftpd.service.
Processing triggers for man-db (2.12.0-4build2) ...
```

2.Verificam daca serviciul vsftpd ruleaza

```
Processing triggers for man-db (2.12.0-4build2) ...
robert@robert-VirtualBox:~$ sudo systemctl status vsftpd
● vsftpd.service - vsftpd FTP server
     Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; enabled; preset: e>
     Active: active (running) since Wed 2025-05-21 02:08:20 EEST; 12s ago
    Process: 3428 ExecStartPre=/bin/mkdir -p /var/run/vsftpd/empty (code=exited>
   Main PID: 3430 (vsftpd)
      Tasks: 1 (limit: 2271)
     Memory: 716.0K (peak: 924.0K)
        CPU: 7ms
     CGroup: /system.slice/vsftpd.service
             └─3430 /usr/sbin/vsftpd /etc/vsftpd.conf

May 21 02:08:20 robert-VirtualBox systemd[1]: Starting vsftpd.service - vsftpd >
May 21 02:08:20 robert-VirtualBox systemd[1]: Started vsftpd.service - vsftpd F>
```

3. Am activat serviciul FTP sa porneasca automat si l-am pornit manual dupa configurare, cu comenzile:

sudo systemctl enable vsftpd

sudo systemctl start vsftpd

```
May 21 02:08:20 robert-VirtualBox systemd[1]: Started vsftpd.service - vsftpd F>
robert@robert-VirtualBox:~$ sudo systemctl enable vsftpd
Synchronizing state of vsftpd.service with SysV service script with /usr/lib/sys
temd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable vsftpd
robert@robert-VirtualBox:~$ sudo systemctl start vsftpd
robert@robert-VirtualBox:~$ sudo systemctl status vsftpd
● vsftpd.service - vsftpd FTP server
     Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; enabled; preset: e>
     Active: active (running) since Wed 2025-05-21 02:08:20 EEST; 45s ago
   Main PID: 3430 (vsftpd)
      Tasks: 1 (limit: 2271)
     Memory: 716.0K (peak: 924.0K)
        CPU: 7ms
     CGroup: /system.slice/vsftpd.service
             └─3430 /usr/sbin/vsftpd /etc/vsftpd.conf
```

4.Configurare fișier /etc/vsftpd.conf:

sudo nano /etc/vsftpd.conf

> **Valori recomandate:**
>
> listen=YES — permite conexiuni IPv4.
>
> anonymous_enable=NO — dezactivează accesul anonim.
>
> local_enable=YES — permite autentificarea utilizatorilor existenți pe sistem.
>
> write_enable=YES — permite scrierea (upload, ștergere etc.).
>
> chroot_local_user=YES — restricționează utilizatorul în propriul director.
>
> local_root=/home/robert/ftp — setează directorul FTP al utilizatorului robert.

5. Configurare firewall (ufw)

```
robert@robert-VirtualBox:~$ sudo ufw allow 21
Rule added
Rule added (v6)
robert@robert-VirtualBox:~$ sudo ufw reload
Firewall reloaded
robert@robert-VirtualBox:~$ sudo ufw status
Status: active

To                          Action      From
--                          ------      ----
22/tcp                      ALLOW       Anywhere
21                          ALLOW       Anywhere
22/tcp (v6)                 ALLOW       Anywhere (v6)
21 (v6)                     ALLOW       Anywhere (v6)
```

6. Crearea directorului + permisiuni:

mkdir -p /home/robert/ftp/files

chmod 555 /home/robert/ftp

chmod 755 /home/robert/ftp/files

```
robert@robert-VirtualBox:~$ mkdir -p /home/robert/ftp/files
robert@robert-VirtualBox:~$ chmod 555 /home/robert/ftp
robert@robert-VirtualBox:~$ chmod 755 /home/robert/ftp/files
robert@robert-VirtualBox:~$ echo "Salut! Aceste e serverul FTP." > /home/robert/
ftp/files/bun-venit.txt
robert@robert-VirtualBox:~$ sudo systemctl restart vsftpd
```

7. Repornire serviciu

sudo systemctl restart vsftpd

8. Conectare la FTP din Windows/Linux:

ftp 192.168.0.10

```
C:\Users\Robert>ftp 192.168.0.10
Connected to 192.168.0.10.
220 (vsFTPd 3.0.5)
200 Always in UTF8 mode.
User (192.168.0.10:(none)): robert
331 Please specify the password.
Password:

230 Login successful.
```

Vedem si fisierul creat bun-venit.txt

```
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
files
226 Directory send OK.
ftp: 10 bytes received in 0.04Seconds 0.26Kbytes/sec.
ftp> cd files
250 Directory successfully changed.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
bun-venit.txt
```