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# **Project B**

# FTP Server Setup

### **Introduction:**

FTP stands for File Transfer Protocol. FTP is a well-established protocol that enables the exchange of data files between computers through a TCP/IP network(internet).

```
tanzeela@ubuntu: ~

File Edit View Search Terminal Help

tanzeela@ubuntu: ~$ lsb_release -a

No LSB modules are available.

Distributor ID: Ubuntu

Description: Ubuntu 18.04.6 LTS

Release: 18.04

Codename: bionic

tanzeela@ubuntu: ~$
```

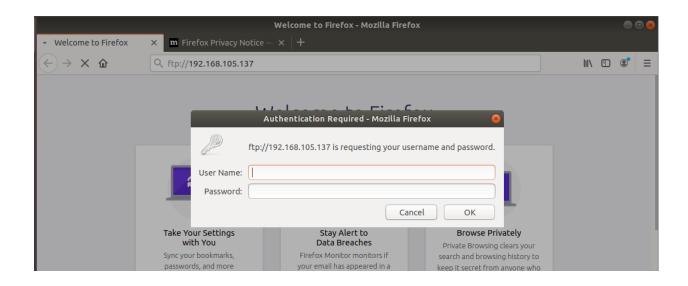
### **Step 1: Update System Packages**

```
tanzeela@ubuntu:~$ sudo apt-get update
[sudo] password for tanzeela:
Hit:1 http://us.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://security.ubuntu.com/ubuntu bionic-security InRelease
Hit:3 http://us.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:4 http://us.archive.ubuntu.com/ubuntu bionic-backports InRelease
Reading package lists... Done
tanzeela@ubuntu:~$
```

#### Step 2: Install vsftpd Server on Ubuntu

```
tanzeela@ubuntu: ~
File Edit View Search Terminal Help
Reading package lists... Done
tanzeela@ubuntu:~$ sudo apt-get install vsftpd
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  linux-hwe-5.4-headers-5.4.0-84
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
0 upgraded, 1 newly installed, 0 to remove and 30 not upgraded.
Need to get 115 kB of archives.
After this operation, 334 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 vsftpd amd64 3.0.3-
9build1 [115 kB]
Fetched 115 kB in 7s (17.6 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 186616 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.3-9build1_amd64.deb ...
Unpacking vsftpd (3.0.3-9build1) ...
Setting up vsftpd (3.0.3-9build1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service \rightarrow /l
ib/systemd/system/vsftpd.service.
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers_for systemd (237-3ubuntu10.56) ...
tanzeela@ubuntu:~$
```

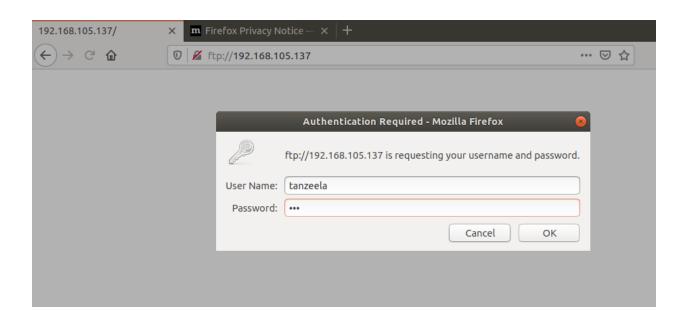
```
tanzeela@ubuntu:~$ ip a
1: lo: <LOOPBACK,UP,LOWER UP> mtu 65536 qdisc noqueue state UNKNOWN group defau
lt qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid lft forever preferred lft forever
    inet6 ::1/128 scope host
       valid lft forever preferred lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc fq codel state UP gr
oup default glen 1000
    link/ether 00:0c:29:94:0d:8c brd ff:ff:ff:ff:ff:ff
    inet 192.168.253.129/24 brd 192.168.253.255 scope global dynamic noprefixro
ute ens33
       valid_lft 1042sec preferred_lft 1042sec
    inet6 fe80::e08e:8a20:fee7:2a85/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
tanzeela@ubuntu:~S
```

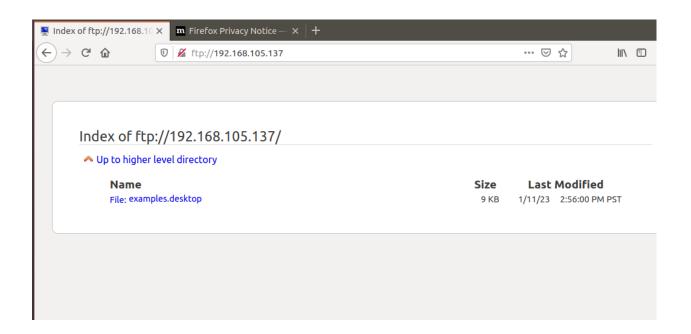


### **Creating authentic user account:**

```
project@ubuntu:~$ sudo adduser tanzeela
Adding user `tanzeela' ...
Adding new group `tanzeela' (1001) ...
Adding new user `tanzeela' (1001) with group `tanzeela' ...
Creating home directory `/home/tanzeela' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for tanzeela
Enter the new value, or press ENTER for the default
         Full Name []:
        Room Number []: Work Phone []:
         Home Phone []:
         Other []:
Is the information_correct? [Y/n]
project@ubuntu:~$
```

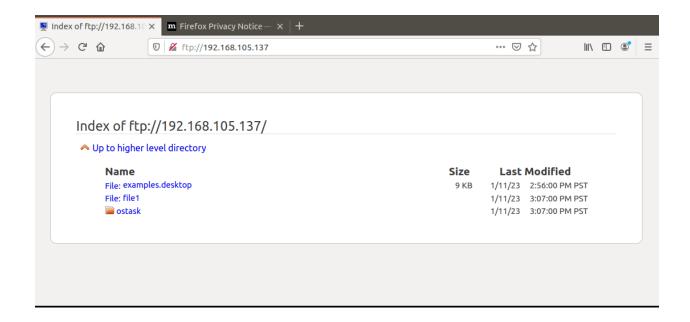
```
project@ubuntu:~$ sudo systemctl restart vsftpd
project@ubuntu:~$
```





```
project@ubuntu:~$ cd /home/tanzeela
project@ubuntu:/home/tanzeela$ sudo mkdir ostask
project@ubuntu:/home/tanzeela$ sudo touch file1
project@ubuntu:/home/tanzeela$
```

project@ubuntu:/home/tanzeela\$ sudo systemctl restart vsftpd
project@ubuntu:/home/tanzeela\$



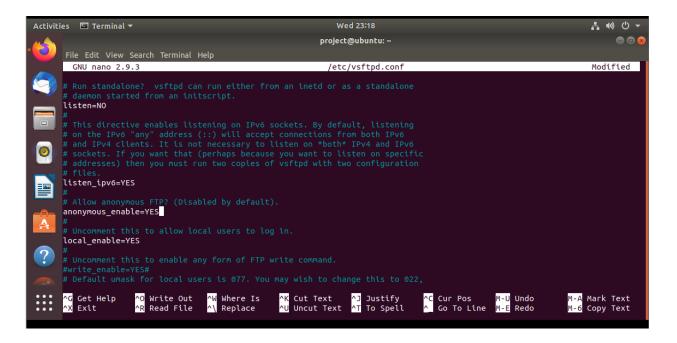


## **Creating anonymous account:**

```
project@ubuntu:~$ sudo nano /etc/vsftpd.conf
```

#### **Authenticate FTP Users**

Find the entry labeled write\_enable=NO, and change the value to "YES."



Save the file, exit, then restart the FTP service.

```
project@ubuntu:~$ sudo systemctl restart vsftpd
project@ubuntu:~$
```

