

## EXP-9 Perform File Transfer and Access using FTP

### 1) INSTALLING FILEZILLA

```
comp@comp:~$ sudo apt update
[sudo] password for comp:
Get:1 https://packages.microsoft.com/repos/code stable InRelease [3,590 B]
Hit:2 http://archive.ubuntu.com/ubuntu noble InRelease
Get:3 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:5 https://packages.microsoft.com/repos/code/stable/main armhf Packages [20.7 kB]
Get:6 https://packages.microsoft.com/repos/code/stable/main arm64 Packages [20.6 kB]
Get:7 https://packages.microsoft.com/repos/code/stable/main amd64 Packages [20.5 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,118 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,389 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [191 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,712 B]
Get:14 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,705 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [382 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [879 kB]
Get:18 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [274 kB]
Get:19 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:20 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [195 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:22 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.2 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1,840 kB]
Get:24 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [18.0 kB]
Get:25 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:26 http://archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [410 kB]
Get:27 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:28 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [500 B]
Get:29 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1,482 kB]
Get:30 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [298 kB]
Get:31 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:32 http://archive.ubuntu.com/ubuntu noble-updates/universe Icons (64x64) [357 kB]
```

## 2) INSTALLING VSFTPD AND SETUP

```
comp@comp:~$ sudo apt update
[sudo] password for comp:
Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:2 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 https://packages.microsoft.com/repos/code stable InRelease
Hit:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
255 packages can be upgraded. Run 'apt list --upgradable' to see them.
comp@comp:~$ sudo apt install vsftpd
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 255 not upgraded.
Need to get 120 kB of archives.
After this operation, 312 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 vsftpd amd64 3.0.5-0ubuntu3.1 [120 kB]
Fetched 120 kB in 1s (185 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 206352 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 → /usr/lib/systemd/system/vsftpd.service.
Processing triggers for man-db (2.12.0-4build2) ...
comp@comp:~$ sudo systemctl start vsftpd
comp@comp:~$ sudo systemctl enable vsftpd
Synchronizing state of vsftpd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable vsftpd
comp@comp:~$ sudo nano /etc/vsftpd.conf
```

## 3) MAKING NECESSARY CHANGES IN nano /etc/vsftpd.conf

```
comp@comp:~$ sudo nano /etc/vsftpd.conf
comp@comp:~$ sudo systemctl restart vsftpd
comp@comp:~$ sudo systemctl status vsftpd
● vsftpd.service - vsftpd FTP server
   Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; enabled; preset: enabled)
   Active: active (running) since Mon 2025-09-15 11:36:03 IST; 8s ago
     Process: 11166 ExecStartPre=/bin/mkdir -p /var/run/vsftpd/empty (code=exited, status=0/SUCCESS)
    Main PID: 11168 (vsftpd)
       Tasks: 1 (limit: 9190)
      Memory: 724.0K (peak: 1.5M)
        CPU: 7ms
       CGroup: /system.slice/vsftpd.service
               └─11168 /usr/sbin/vsftpd /etc/vsftpd.conf

Sep 15 11:36:03 comp systemd[1]: Starting vsftpd.service - vsftpd FTP server...
Sep 15 11:36:03 comp systemd[1]: Started vsftpd.service - vsftpd FTP server.
comp@comp:~$
```

#### 4) GUI OF FILEZILLA WITH UPLOADING AND DOWNLOADING THE FILES FROM DIFFERENT HOST

