FTP(file transfer protocal)

* Config file : **/etc/vsftpd/vsftpd.conf**
* Root dir : **/var/ftp**
* Server pkg : vsftpd (very secure file transfer protocal)
* Client pkg : ftp (file transfer protocal)
* Port no : **20**….ftp data

**21**….ftp connection(session)

* Anoymous user : **FTP**
* /var/ftp : home dir of anonymous user

Root dir of ftp server

**FTP (file transfer protocol)** is an internet protocol that is used for transferring files between client and server over the internet or a computer network. It is similar to other internet protocols like SMTP which is used for emails and HTTP which is used for websites. **FTP server** enables the functionality of transferring files between server and client. A **client**connects to the **server**with credentials and depending upon the permissions it has, it can either read files or upload files to the server as well. In this article, we will see how to set up an FTP server, configure user permissions, configure a firewall and finally encrypt our FTP traffic with SSL.

Steps for FTP service :

SERVER SIDE :

Step1: install and start service

# yum install vsftpd -y

# systemctl start vsftpd

# systemctl enable vsftpd

# systemctl status vsftpd

Step2: add service or port on firewall

# firewall-cmd --add-service=ftp --permanet

# firewall-cmd --reload

Step3: go to config file of vsftpd

# vim /etc/vsftpd /vsftpd.conf

line no12anonymous\_enable=YES

line no16 local\_enable=YES

line no19 write\_enable=YES

line no29 anon\_upload\_enable=YES

\* uncomment all the above line in config file of vsftpd

Uncomment means removing # from that’s line

line no129 anon\_umask=022

line no130 anon\_other\_write\_enable=YES

\* add this line in the end of config file for giving permission to other user to put and get from ftp

\* when we upload file in ftp from client that time file have permission rw- r-- r-- after adding above line.

Step4: In /var/ftp pub name directory is created bydefal

Create another dir and give full permission or

give the existing pub dir full permission

# mkdir -m 777 /ankit

Step5:We have to add some selinux security permi

# getsebool -a | grep ftp

Check that permission of Selinux

Ftpd\_anon\_write OFF

Ftpd\_full\_access OFF

As show after fire this command we have to change this to ON by using some command

# setsebool ftpd\_anon\_write on

# setsebool ftpd\_full\_access on

# systemctl restart vsftpd

Step6: Install ftp package for taking access of ftp

# ftp localhost

Name: ftp

Pass: press enter no need to give passwd

Enter in ftp server page

There is a some commnd to use in ftp server

Press ? for see that all command

CLIENT SIDE: no need to any change in client side

Only 1cond req that client is an same network

Means server and client must be ping with each other

# ftp 123.23.0.2[Server ip]

Enter in a ftp server where we can upload or download a file from ftp server with remote location.