FTP Server Configuration

Step 1:

Install the package ftp Package

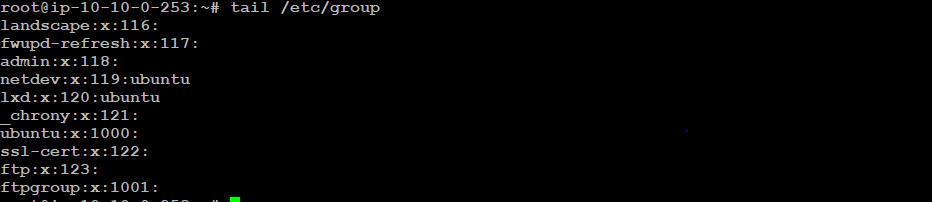
$ apt install vsftpd

Step 2:

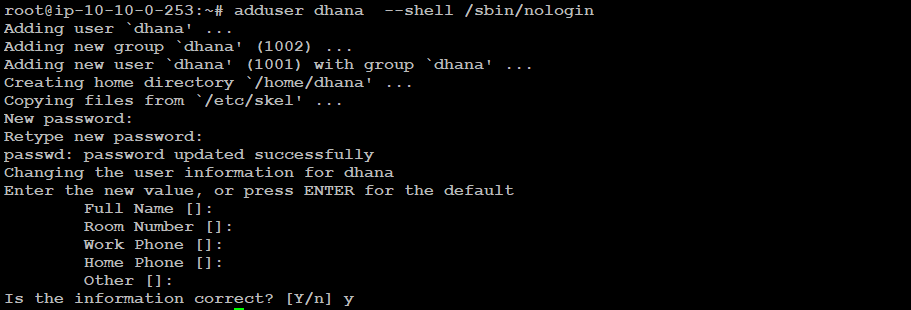
Create the new group and add new user to the ftpgroup

$ groupadd ftpgroup

$ cat /etc/group

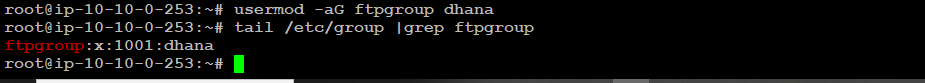


$ adduser dhana --shell /sbin/nologin



$ usermod -aG ftpgroup dhana

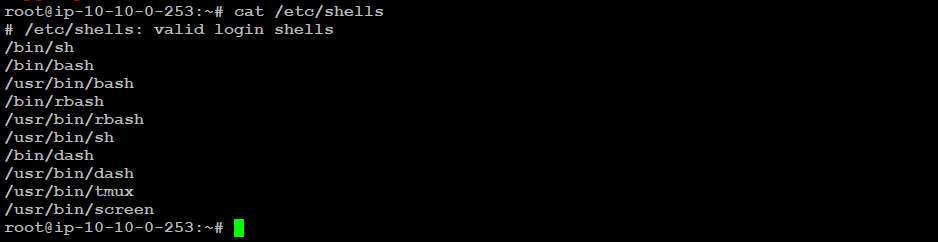
$ cat /etc/group



Note:

Check in the /etc/shells "/sbin/nologin" is present or not. If not means add in the file /sbin/nologin

$ cat /etc/shells



$ vim /etc/shells

# /etc/shells: valid login shells

/bin/sh

/bin/bash

/usr/bin/bash

/bin/rbash

/usr/bin/rbash

/usr/bin/sh

/bin/dash

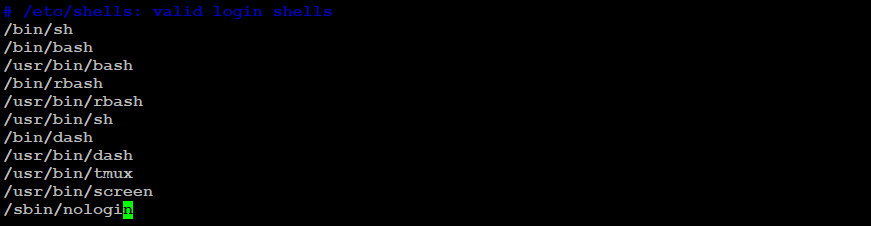
/usr/bin/dash

/usr/bin/tmux

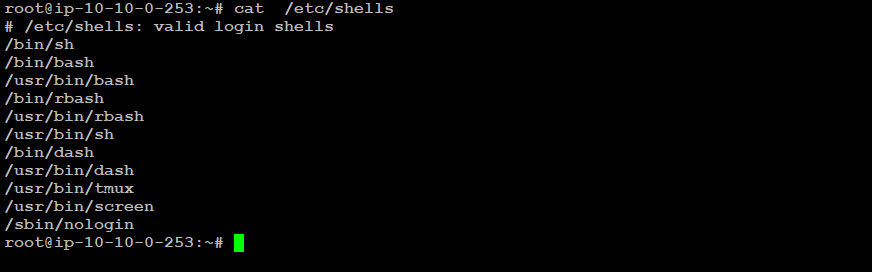
/usr/bin/screen

/sbin/nologin

:wq



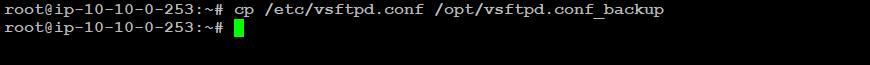
$ cat /etc/shells



Step 3:

Add changes in configuration file

$ cp /etc/vsftpd.conf /opt/vsftpd.conf\_backup



Note:

Take backup configuration file for safe

##now add the changes in configuration

$ vim /etc/vsftpd.conf

# files.

22 listen\_ipv6=YES

23 #

24 # Allow anonymous FTP? (Disabled by default).

25 anonymous\_enable=NO

26 #

27 # Uncomment this to allow local users to log in.

28 local\_enable=YES

29 #

30 # Uncomment this to enable any form of FTP write command.

31 write\_enable=YES

# ASCII mangling is a horrible feature of the protocol.

56 # Activate logging of uploads/downloads.

57 xferlog\_enable=YES

99 ascii\_upload\_enable=YES

100 ascii\_download\_enable=YES

101 #

102 # You may fully customise the login banner string:

103 ftpd\_banner=Welcome to FTP service.

121# chroot)

122 chroot\_local\_user=YES

123 #chroot\_list\_enable=YES

156 #add new lines by dhana

157 userlist\_enable=YES

158 userlist\_deny=NO

159 userlist\_file=/etc/list\_user\_ftp

160 local\_root=/var/www/html/xdocs/

161 allow\_writeable\_chroot=YES

162 ##passive enable

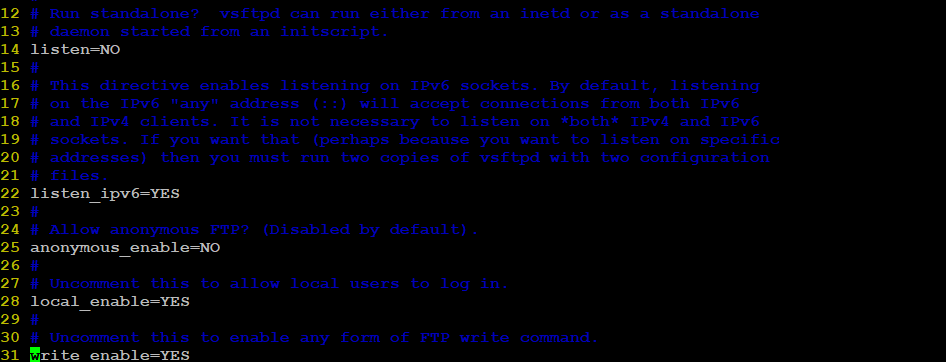
163 pasv\_enable=YES

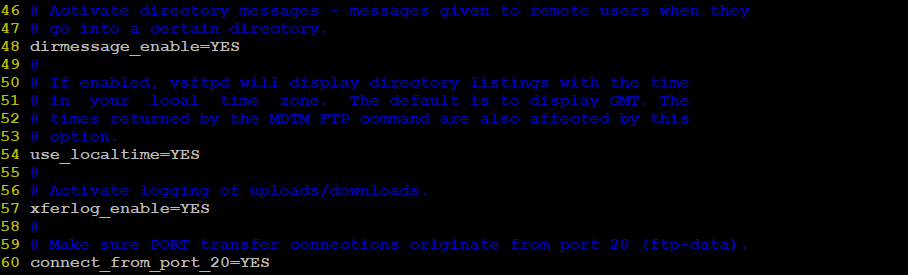
164 pasv\_min\_port=1024

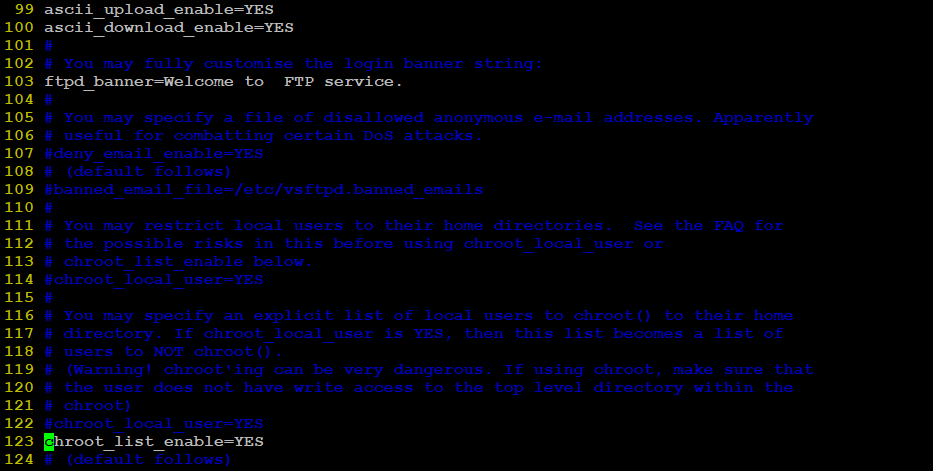
165 pasv\_max\_port=1048

166 pasv\_address=65.0.103.142 # #ip address if it's cloud means add public ip address or it on-prem means you can private IP.

:wq







Step 4:

Create file to add user to access ftp shared file

$ vim /etc/list\_user\_ftp

dhana

:wq

Step 5:

Restart the service

$ systemctl restart vsftpd.service

$ systemctl status vsftpd.service

Step 6:

Apply owner permission and file permission on ftp sharing file

#$ mkdir /var/www/html/xdocs

Note:

Folder not create means created folder according we mentioned in configuration

$ chown -R root:ftpgroup /var/www/html/xdocs

$ chmod 770 /var/www/html/xdocs

Step7:

Open Filezile

After FileZilla installed,-> open Site Manager- > New Site. Configure the new site with following details. And fill Host field with your FTP IP Address.

Step8:

Enable the ssl certifcate for secure

$ vim /etc/vsftpd.conf

##enable ssl

##ssl enable

ssl\_enable=YES

allow\_anon\_ssl=NO

force\_local\_data\_ssl=YES

force\_local\_logins\_ssl=YES

ssl\_tlsv1=YES

ssl\_sslv2=NO

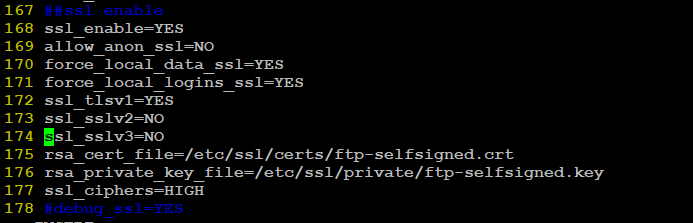
ssl\_sslv3=NO

rsa\_cert\_file=/etc/ssl/certs/ftp-selfsigned.crt

rsa\_private\_key\_file=/etc/ssl/private/ftp-selfsigned.key

ssl\_ciphers=HIGH

:wq



$ systemctl restart vsftpd.service

$ systemctl status vsftpd.service