**FTP (File Transfer Protocol) SERVER**

File Transfer Protocol (FTP) is a network protocol used to transfer files from one host to another host over a TCP-based network, such as the Internet.

What is Active FTP? Data initiation---from server to client

What is Passive FTP? Data initiation---from client to server

***Configutaion in ec2-instance***

Set Port no :20- 21 (custom Tcp)

Set port no :1024-1048 (custom Tcp)

***Steps to configuring ftp server for downloading a file:***

1. Install the Vsftpd package--🡪#yum install vsftpd\* -y #rpm –q vsftpd command –to check the version

2. Create few files in /var/ftp/pub directory----#touch file{1..5}

3. Restart the Vsftpd service ----- #service vsftpd restart

4. Make the Vsftpd service enable even after reboot of the system -----#chkconfig vsftpd on

5. configure these below things in vi /etc/vsftpd/vsftp.conf

# Make sure, that one of the listen options is commented !!

listen\_ipv6=NO

listen=YES

add these line at the end of page

pasv\_enable=YES

pasv\_min\_port=1024

pasv\_max\_port=1048

pasv\_address=34.203.215.138

pasv\_promiscuous=YES

6.Connect from client and access the files and download it

7.make sure to enable TCP ports of 20-21 & 1024-1048 in security group of AWS ec2 instance

***To connect from client & download the file***

1.Install the ftp----yum install ftp –y

2.Connect to ftp server----ftp <serverip>

3.It asks for user-ftp(this is the user name,just type this)

4.It asks for password:-don’t give any password just press enter

5.Now it logs to ftp server,now change the directory to cd pub

6.To view the list type ls

7.To download single file the command is get <filename>

8.To download multiple file the command is mget <filename>

9.It asks for permission,just type YES

***Configuration to upload the files to server***

1. Create an upload directory in the /var/ftp

#mkdir upload

2. Change the group to “ftp” and write permission to the “upload” directory

#chgrp <group name> <directory name>

#chgrp ftp upload

3. Adding the write permission to upload directory -------#chmod g+w upload

4. #vi /etc/vsftpd/vsftpd.conf

#anon\_upload\_enable=YES

JUST UNCOMMENT THE ABOVE LINE IN CONFIG FILE

anon\_upload\_enable=YES

5. Restart the ftp service -------#service vsftpd restart

6. Log into client machine, access ftp server and try to upload some files

7.Lets create some file in client server by using touch command

8.Now connect to ftp server by ftp<serverip>

9.Its asks for user-ftp(this is the user name,just type this)

10.It asks for password:-don’t give any password just press enter

11.Now it logs to ftp server,now change the directory to cd upload

12.To view the list type !ls

13.To upload single file the command is put <filename>

14.To upload multiple file the command is mput <filename>

15. It asks for permission,just type YES