FTP & SFTP (SCP)

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FTP - Linux to Linux

step 1 setup both the debian machine on same network using internal adapters

step 2 install vsftpd in the server (apt install vsftpd)

step 3 allow the write or uncomment "enable any form of FTP write command" in the file: /etc/vsftpd.conf

step 3 install ftp package (apt install ftp) in client

step 4 to use via client: ftp @ip address (@ will not be added just ip); after that it ask for username and password --> login successful

step 5 can use get or put command to do access the server files or put files on it

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FTP - Linux to Windows

(I) Using CLI

Note - In this we are taking linux as server, so we will try to get or send files via windows (base machine) to our debian machine.

step 1 to 3 will be same for linux server

step 4 using shift + right click open powershell (it only works in powershell)

step 5 use ftp command and connect with debian machine: ftp @ip: after that give username and password (ip of host only adapter; because base machine is connected through host only ip) --> login successful

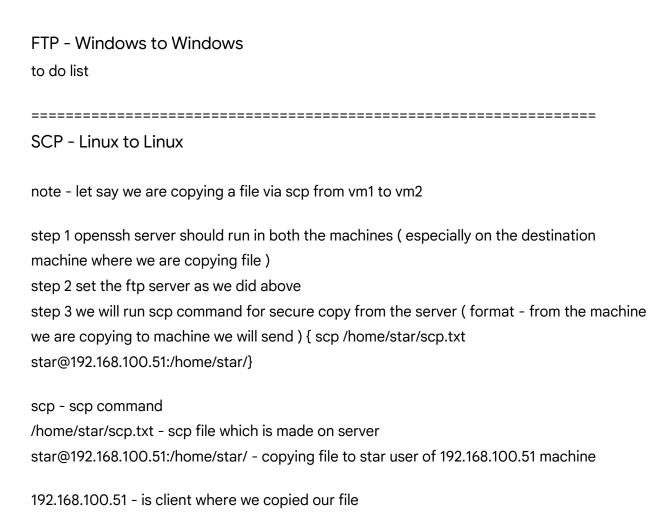step 6 use get or put command and we can transfer or copy files to server.

(II) Using Filezila client app

step 1 to 3 will be same as above

step 4 connect filezila with host only ip with port 22, write username and password

step 5 send and receive files; the files which we will take from linux server will be stored in C:\Users\iacsd\Downloads\first.txt

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FTP - Windows to Windows

to do list

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SCP - Linux to Linux

note - let say we are copying a file via scp from vm1 to vm2

step 1 openssh server should run in both the machines (especially on the destination machine where we are copying file)
step 2 set the ftp server as we did above
step 3 we will run scp command for secure copy from the server (format - from the machine we are copying to machine we will send) { scp /home/star/scp.txt star@192.168.100.51:/home/star/}

scp - scp command
/home/star/scp.txt - scp file which is made on server
star@192.168.100.51:/home/star/ - copying file to star user of 192.168.100.51 machine

192.168.100.51 - is client where we copied our file

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