**File Transfer Protocol**

**Server Configuration:**

[ Install vsftpd package ]

# yum install vsftpd

[ Start vsftpd service ]

# systemctl start vsftpd

[ Edit vsftpd configuration file ]

# vi /etc/vsftpd/vsftpd.conf

Find the following lines and make the changes as shown below:

[...]

## Disable anonymous login ##

anonymous\_enable=NO

## Uncomment ##

ascii\_upload\_enable=YES

ascii\_download\_enable=YES

## Uncomment - Enter your Welcome message - This is optional ##

ftpd\_banner=Welcome to JNIT FTP service.

## Add at the end of this file ##

use\_localtime=YES

[ Enable vsftpd service **]**

# systemctl enable vsftpd

[ Start the vsftpd service ]

# systemctl start vsftpd

[ Allow the ftp service and port 21 via firewall ]

# firewall-cmd --permanent --add-port=21/tcp

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

[ Edit selinux configuration file to disabled ]

# vi /etc/selinux/config

[ Add data in FTP server ]

# cd /var/ftp/pub/

# mkdir ganesh shiva ram laxman Krishna Vishnu

# touch file{1..5}

**Create FTP users**

By default, root user is not allowed to login to ftp server for security purpose. So, let us create a normal testing user called “raj” with password “raj1234”.

useradd raj

passwd raj1234

confirm password root1234

**Connecting to FTP server**

Now, try to connect to FTP server in VM1 itself with user “raj”

ftp <ip address>

Enter the ftp user name

Password

Now, try to connect to FTP server from VM2 with user “raj”

ftp <ip address>

Enter the ftp user name

Password

**Access FTP server using winscp from your host (laptop)**

Download the winscp software and access ftp server with ip address, ftp username password and port no 21 details.

**Access FTP server from Browser**

You can access the FTP server from your client browser also. Type

ftp://<ftp server ip address>/ in the url.

Enter the ftp username and password.

For more info, <http://www.serv-u.com/ftp-commands-linux>

For more info, <https://www.howtoforge.com/tutorial/how-to-use-ftp-on-the-linux-shell/>