Configured FTP Server

Vsftp -🡪 stands for very secure file transfer protocol

**Installation process**

1. yum install vsftpd // install ftp services
2. systemctl start vsftpd // to start ftp services
3. systemctl enable vsftpd // to enable ftp serices while booting time
4. Next, in order to allow access to FTP services from external systems, we have to open port 21, where the FTP daemons are listening as follows

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

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

# firewall-cmd –reload

1. Configuring FTP Server

cp /etc/vsftpd/vsftpd.conf /etc/vsftpd/vsftpd.conf.orig

vim /etc/vsftpd/vsftpd.conf

anonymous\_enable=NO //disable anonymous login

chroot\_local\_user=YES

chroot\_list\_enable=YES

allow\_writeable\_chroot=YES // to provide write access

1. Create custom file inside vsftp /etc/vsftp/vsftpd.userlist

userlist\_enable=YES # vsftpd will load a list of usernames, from the filename given by userlist\_file # stores usernames.

userlist\_file=/etc/vsftpd/user\_list

1. Make changes on user\_list file

vim user\_list

userlist\_deny=NO

1. Disable selinux in centos

vim /etc/sysconfig/selinux

**set SELinux=disabled**

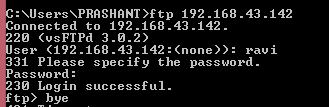
1. Reboot system
2. Add user

useradd -m -s /bin/bash ravi

1. we have to add the user ravi to the file /etc/vsftp/vsftpd.userlist

echo "ravi" | tee -a /etc/vsftp/vsftpd.userlist

**Connect it**



**Automation**

#!/bin/bash

yum install vsftpd -y

systemctl start vsftpd

firewall-cmd --zone=public --permanent --add-port=21/tcp

firewall-cmd --zone=public --permanent --add-service=ftp

firewall-cmd --reload

cp /etc/vsftpd/vsftpd.conf /etc/vsftpd/vsftpd.conf.orig

sed -i 's/anonymous\_enable=YES/anonymous\_enable=NO/' /etc/vsftpd/vsftpd.conf

echo "chroot\_local\_user=YES" >>/etc/vsftpd/vsftpd.conf

echo "allow\_writeable\_chroot=YES" >>/etc/vsftpd/vsftpd.conf

echo "userlist\_enable=YES" >>/etc/vsftpd/vsftpd.userlist

echo "user\_list=/etc/vsftpd/vsftpd.userlist" >>/etc/vsftpd/vsftpd.userlist

echo "userlist\_deny=NO" >>/etc/vsftpd/vsftpd.userlist

