

CentOS | Install and setup SFTP

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Keywords

sftp centos7 centos openssh

Symptom (public)

SFTP (Secure File Transfer Protocol) is used to encrypt connections between clients and the FTP server. It is highly recommended to use SFTP because data is transferred over encrypted connection using SSH-tunnel on port 22 .

Problem (public)

Solution (public)

Server Side Install the latest version of openssh and openssh-server

```
mkdir -p /sftp/user/          #create folder for sftp access for
the specified user
adduser user                  #add user
passwd user                   #change password for the
user

groupadd sftpusers           #add group
usermod -a -G sftpusers user #add user to group
id user                       #check if the user is
member of the group

usermod -d /sftp/user user   #set home directory for user

vi /etc/passwd
user:x:yyy:zzzz:./sftp/user/:/sbin/nologin

vi /etc/ssh/sshd_config
Comment the line
Subsystem sftp /usr/libexec/openssh/sftp-server

Add the following lines
Subsystem sftp internal-sftp
Match Group sftpusers
X11Forwarding no
AllowTCPForwarding no
ChrootDirectory /sftp/%u
ForceCommand internal-sftp

systemctl restart sshd
systemctl enable sshd
Client Side Install the latest version of openssh

Connect to the sftp server
sftp user@<hostname/public_IP>
#if sftp port is default 22
sftp -oPort=<port> user@<hostname/public_IP>      #if sftp port
is other than 22
```