

SFTP Server

```
?????? SFTP ????? SSH????????(Chroot)
```

```
?? CentOS 6 ????
```

```
?? /etc/ssh/sshd_config
```

```
NOTE: ?? Subsystem ????????
```

```
# override default of no subsystems
```

```
#Subsystem sftp /usr/libexec/openssh/sftp-server
```

```
Subsystem sftp internal-sftp
```

```
Match Group sftp-only
```

```
ChrootDirectory /sftp-server/%u-root
```

```
X11Forwarding no
```

```
AllowTcpForwarding no
```

```
ForceCommand internal-sftp
```

```
????/??
```

```
groupadd sftp-only
```

```
useradd -c "sftp users" -G sftp-only -M -s /sbin/nologin test
```

```
?? sftp ????????????? *??*
```

```
mkdir /sftp-server
```

```
mkdir -p /sftp-server/test-root/test
```

```
chown mytest:mytest /sftp-server/test-root/test
```

TIPS?

```
- ChrootDirectory ?????? Owner ??? root??? /var/log/secure ?????:
```

```
Accepted password for test from 10.12.25.68 port 60213 ssh2
```

```
pam_unix(sshd:session): session opened for user test by (uid=0)
```

```
fatal: bad ownership or modes for chroot directory "/home/test"
```

```
pam_unix(sshd:session): session closed for user test
```

```
- sftp ???????????
```

```
# tree -l /sftp-server
```

```
/sftp-server
```

```
??? test2-root
```

```
? ??? test2
```

```
? ??? readme.txt
```

```
??? test-root
```

```
??? test
```

4 directories, 1 file

NOTE: ?????????? test-root??

ChrootDirectory /sftp-server

?? test-root ????

FAQ

Q: /var/log/secure ????

```
Accepted password for test from 10.12.25.68 port 60213 ssh2
pam_unix(sshd:session): session opened for user test by (uid=0)
fatal: bad ownership or modes for chroot directory "/home/test"
pam_unix(sshd:session): session closed for user test
```

A: ChrootDirectory ?????? Owner ??? root?

?? Chroot ?????????????????? log ??? "fatal: bad ownership or modes for chroot directory XXXXXX" ??????
[openssh 5.1 chrootdirectory permissions issue](#) ?????????????????????????????????????

- ? ChrootDirectory ?? root
- ? ChrootDirectory ??

Q: ?????? SFTP????? SSH ???

A: CentOS 5 ????????????

?????? shell

```
# usermod -s /usr/libexec/openssh/sftp-server john
# echo "/usr/libexec/openssh/sftp-server" >> /etc/shells
```

????

- Chroot ??
 - ? [How to Setup Chroot SFTP in Linux \(Allow Only SFTP, not SSH\)](#)
 - ? <http://liuchiu.pixnet.net/blog/post/24913796>
 - ? [\[SFTP\]SSH??ChrootDirectory?????????](#)
 - ? [How To Setup SFTP Jails In Linux](#)
- [Setting Up SFTP Public Key Authentication On The Command Line](#)
- [????????~MySecureShell](#)