

## RE: Chrooted sftp on rhel3

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/RedHat/2007-06/msg00165.html>

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- *From:* "Johan Booyesen" <[johan@xxxxxxxxxxxxxxxxxxxxx](mailto:johan@xxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 19 Jun 2007 22:14:44 +0100
- 

I have no idea at the moment.

I tested what I did on RHEL3, but now it seems that I'm going to have to use RHEL4 for the real thing.

I don't suppose it will differ much, and once I've done the same on RHEL4 I'll let you know.

Johan

-----Original Message-----

From: [redhat-list-bounces@xxxxxxxxxxx](mailto:redhat-list-bounces@xxxxxxxxxxx)

[<mailto:redhat-list-bounces@xxxxxxxxxxx>] On Behalf Of John J. Culkin

Sent: 19 June 2007 21:06

To: General Red Hat Linux discussion list

Subject: Re: Chrooted sftp on rhel3

How would I go about creating a chrooted SFTP on RHEL 4 or 5?

Is the process much different?

Johan Booyesen wrote:

Hi,

Thanks very much for all your replies.

I've managed to get it to work in the following way:

I copied the directories you create in your chroot jail (in my example

the directories etc, lib, and usr in my chroot jail /home) to the individual ftp user's home folder:

```
# pwd
/home
# ls -l
```

RE: Chrooted sftp on rhel3

```
total 24
drwxr-xr-x 2 root root 4096 Jun 15 10:41 etc
drwx----- 3 ftpuser ftpuser 4096 Jun 15 11:20 ftpuser
drwxr-xr-x 3 root root 4096 Jun 14 17:28 lib
drwxr-xr-x 6 root root 4096 Jun 14 17:26 usr
```

```
# cp -r etc ftpuser/
# cp -r lib ftpuser/
# cp -r usr ftpuser/
```

And then I modify /etc/rssh.conf and add an entry for that user:

```
user=ftpuser:011:00010:"/home/ftpuser" # sftp with chroot
```

And that works, it seems.

:)

I'm writing up a complete guide here:

<http://joedonner2001.wordpress.com/red-hat-el3/sftp-server-within-a-chroot-jail>

but just note that it's not 100% accurate at the moment.

Johan

-----Original Message-----

From: redhat-list-bounces@xxxxxxxxxxx

[mailto:redhat-list-bounces@xxxxxxxxxxx] On Behalf Of Karl Latiss

Sent: 16 June 2007 10:05

To: General Red Hat Linux discussion list

Subject: Re: Chrooted sftp on rhel3

On Fri, 2007-06-15 at 11:42 +0100, Johan Booyesen wrote:

Hi everyone,

I'm doing some tests setting up an sftp server, with setting up a chroot jail for ftp users.

Everything seems to be working fine, but "ftpuser" can cd to outside his home directory (ftpuser cannot access the user1 or user2 directories, but can get to etc, lib, and user), which ideally I don't

RE: Chrooted sftp on rhel3

want. I've played around with setting different permissions, but only

the permissions below seem to work.

In /etc/rssh.conf, I've got the following to set the chroot path:  
chrootpath = /home

```
# pwd
/home
# ls -l
total 24
drwxr-xr-x 2 root root 4096 Jun 15 10:41 etc
drwx----- 3 ftpuser ftpuser 4096 Jun 15 11:20 ftpuser
drwx----- 4 user1 user1 4096 May 25 15:27 gmi
drwx----- 5 user2 user2 4096 Jun 14 16:54 jhb
drwxr-xr-x 3 root root 4096 Jun 14 17:28 lib
drwxr-xr-x 6 root root 4096 Jun 14 17:26 usr
```

I've then also removed all entries from the copy of the passwd file in

/home/etc/passwd, so that only the ftp users' accounts appear in it.

Any ideas on how to restrict access so ftp users are locked into their

own home directories – if that is even possible? It doesn't seem like

much of an issue to me, but I'd appreciate your thoughts.

RE: Chrooted sftp on rhel3

What is ftpuser's shell and home directory? Also have you set allowsftp in /etc/rsync.conf ?

There also may be some clues in /var/log/messages depending on what you have set logfacility to.

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