

Ubuntu 10.04 ProFTPD with mod_sftp

SFTP enabled FTP: secure, chrooted FTP server.

The last releases of ProFTPd contain a module, called `mod_sftp`. Yes. This is just the thing I was searching for years, trying to achieve chrooted ssh with OpenSSH (see internal SFTP option), but now with a lot better solution.

But the thing is... Ubuntu's last LTS, 10.04 only has a version lower of ProFTPD. Compile? Yes, one solution, the hardcore way. The lazy way: Debian Sid, the current unstable version, and its packages:

First, the two dependency package:

- `libncurses5`^[^1]
- `libssl0.9.8`^[^2]

And the ProFTPD itself:

- `proftpd-basic`^[^3]

Install them:

```
dpkg -i *
```

bash

Edit `/etc/proftpd/modules.conf`:

comment out the line, we don't need it for now.

```
LoadModule                mod_tls.c
```

apache

add a line

```
LoadModule                mod_sftp.c
```

apache

Also, edit `/etc/proftpd/proftpd.conf`, and add the following:

```
<ifmodule mod_sftp.c>

SFTPEngine on
SFTPLog /var/log/proftpd/sftp.log
TransferLog /var/log/proftpd/xferlog-sftp.log

# Configure the server to listen on the normal SSH2 port,
port 22
Port 22

# Configure both the RSA and DSA host keys, using the same
host key
# files that OpenSSH uses.
SFTPHostKey /etc/ssh/ssh_host_rsa_key
SFTPHostKey /etc/ssh/ssh_host_dsa_key

# Configure the file used for comparing authorized public
keys of users.
SFTPAuthorizedUserKeys file:~/.sftp/authorized_keys

# Enable compression
SFTPCompression delayed

# Allow the same number of authentication attempts as OpenSSH.
#
# It is recommended that you explicitly configure
MaxLoginAttempts
# for your SSH2/SFTP instance to be higher than the normal
# MaxLoginAttempts value for FTP, as there are more ways to
authenticate
# using SSH2.
MaxLoginAttempts 3

</ifmodule>
```

You'll also need to change the port of the OpenSSH server, but that's recommended anyway.

Links

1. <http://packages.debian.org/sid/amd64/libncurses5/download>

2. <http://packages.debian.org/sid/amd64/libssl0.9.8/download>

3. <http://packages.debian.org/en/sid/amd64/proftpd-basic/download>

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