

sFTP

Accessing your home directory via sFTP

sFTP, or secure FTP, is a program that uses SSH to transfer files. Unlike standard FTP, it encrypts both commands and data, preventing passwords and sensitive information from being transmitted in the clear over the network. It is functionally similar to FTP, but because it uses a different protocol, you can't use a standard FTP client to talk to an sFTP server, nor can you connect to an FTP server with a client that supports only sFTP.

The following tutorial should help you in using sFTP to connect to and from your HUBzero server(s).

Graphical Clients

Using graphical SFTP clients simplifies file transfers by allowing you to transmit files simply by dragging and dropping icons between windows. When you open the program, you will have to enter the name of the host (e.g., yourhub.org) and your HUB username and password.

Windows Clients

- [WinSCP](#)
- [BitKinex](#)
- [FileZilla](#)
- [PuTTY](#)

Mac OSX Clients

- [Transmit](#)
- [Fetch](#)
- [Cyberduck](#)
- [Flow](#)
- [Fugu](#)

Command-line

You can use command line SFTP from your Unix account, or from your Mac OS X or Unix workstation. To start an SFTP session, at the command prompt, enter:

```
yourmachine:~ you$ sftp username@host
yourmachine:~ you$ username@host password:
```

host ~

Some standard commands for command-line sFTP

Command	Description
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cd
chmod

chown

dir (or ls)

exit (or quit)

get

help (or ?)
lcd
lls

lnmkdir
ln (or symlink)

lpwd

lumask
mkdir
put

pwd

rename
rm
rmdir

version
!

Chan
Chan
comp
Chan
comp
List t
remo
Close
and e
Copy
local
Get h
Chan
See a
the lo
Crea
Crea
comp
Show
direc
Chan
Crea
Copy
remo
Show
direc
Rena
Dele
Rem
direc
Displ
In Un
enter
SFTP
!pwd
dropp