

## 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