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 sFTPCommand   Description

cd	Char
chmod	Char
	comp
chown	Char
	comp
dir (or ls)	List t
	remo
exit (or quit)	Close
	and e
get	Copy
	local
help (or ?)	Get h
lcd	Char
lls	See a
	the lo
lmkdir	Crea
ln (or symlink)	Crea
	comp
lpwd	Show
	direc
lumask	Char
mkdir	Crea
put	Copy
	remo
pwd	Show
	direc
rename	Rena
rm	Delet
rmdir	Remo
	direc
version	Displ
!	In Un
	enter
	SFTF
	!pwd)
	dropp