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).

Warning: Most accounts do **not** have SSH/sFTP access initially. Your system administrator must grant your account access before you will be able to connect.

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
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	Rem direc
version	Displ
!	In Ur enter SFTP !pwd) dropp