

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 ~

Command	Description
cd	Change the local directory
chmod	Change permissions
chown	Change owner
dir (or ls)	List the contents of the local directory
exit (or quit)	Close the connection and end the session
get	Copy a file from the remote host to the local host
help (or ?)	Get help on commands
lcd	Change the local directory
lls	See a long listing of the local directory
lmkdir	Create a local directory
ln (or symlink)	Create a local symbolic link
lpwd	Show the local path
lumask	Change the local umask
mkdir	Create a local directory
put	Copy a file from the local host to the remote host
pwd	Show the remote path
rename	Rename a file or directory
rm	Delete a file
rmdir	Remove a directory
version	Display the version of the SFTP client
!	In Unix, !pwd displays the local path entered at the prompt