

PuTTY Secure File Transfer Protocol for Windows

open: **opens** a ssh connection to the given server
example: **open** something.somewhere.com

Server side actions

pwd: prints the current server working directory to the screen
cd: changes the current working server directory
ls: print the contents of the current working directory to the screen

Local actions

lpwd: prints the current local working directory to the screen
lcd: changes the current local working directory
lcd / will move the current local directory to the root of your local drive (C:\)

get: copy's the operand file from the current server directory to the current local directory. A second operand [a] will change the name of the local copy to [a].

-r: recursively copy's the contents of a folder and it's subfolders

examples:

get test.txt

copy test.txt from the current server directory to the current local directory

get /testFolder/test.txt

copy test from current server directory/testFolder to current local directory

get -r testFolder

copy testFolder and its contents from the current server directory to the current local directory

get text.txt /newFolder/differentTest.txt

copy text.txt from the current server directory to the current local directory/newFolder/ and name it differentTest.txt

put: copy's the operand file from the current local directory to the current server directory. A second operand [a] will change the name of the server copy to [a].

-r: recursively copy the contents of a folder and it's subfolders

examples: (since get and set are very similar, there is only one example)

put test.txt

copy test.txt from the current local directory to the current server directory

Steps for using PuTTY's ftp

- 1) Start PSFTP.exe
- 2) Open your server of choice with the open command
 1. If a log in is required, log in with the proper credentials
- 3) Move the servers working directory
 - use pwd to see what the current working directory is
 - use ls or dir to see the contents of the current working directory
 - there may be a lot of contents, look through the file names to find the ones you are looking for
 - use cd to change the current working directory
- 4) Move the local working directory (there are no display commands for the local directory)
 - use lpwd to see what the current working directory is
 - use cd to change the current working directory
- 5) Use get or put commands to download or upload a file respectively

Example of this process for downloading a file (this is the starting with the state of PSFTP on start) this example will contain a sample log in, ** will represent user imputed text

```
psftp: no hostname specified; use "open hostname.name" to connect
psftp> *open something.somewhere.com*
login as: *jimbob112*
jimbob112@something.somewhere.com's password: *password*
Remote working directory is /home/jimbob112
psftp> *ls*
-rw-rw-x 2 jimbob112 jimbob112 2024 Jan 1 1950 12:15 .emacs
drwxr-x 1 jimbob112 jimbob112 2024 Jan 1 1950 12:15 Folder
psftp> *cd Folder*
Remote working directory is now /home/jimbob112/Folder
psftp> *lcd /*
new local directory C:\
psftp> *ls*
-rw-rw-x 2 jimbob112 jimbob112 2024 Jan 1 1951 11:14 .emacs
-rw-rw-r-- 1 jimbob112 jimbob112 2024 Jan 1 1951 11:12 test.txt
psftp> *get test.txt finished.txt*
remote:/home/jimbob112/Folder/test.txt => C:\finished.txt
psftp> *exit*
```

Notes: in order to transfer files to system locations (Program Files, C:\, System32) you need to run PSFTP.exe as an administrator (Windows vista and later)

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