lftp Scriptable file transfer

CONCEPTS

lftp is a shell: connect once, then run ls, cd, get and put inside it. Remote and local commands are separate (cd vs lcd).

Local dir lcd, lpwd
↓ put / mirror -R
lftp shell queue, jobs, set
↓ get / mirror
Remote site ftp, ftps, sftp, http

Protocols: ftp://, ftps://, sftp://, http(s)://, fish://. A site can also be a bookmark name.

CONNECT

lftp *<host>*
Open a session

lftp -u *<user>*,*<pass>* *<host>*
Connect with credentials

lftp sftp://*<user>*@*<host>*
Connect over SFTP

open -u *<user>* **-p** *<port>* *<host>*
Connect from inside the shell

lftp -c "*<cmds>***"**
Run commands and exit

NAVIGATE AND LIST

ls
List remote directory (cached)

cd *<dir>*
Change remote directory

lcd *<dir>*
Change local directory

pwd
Print remote location

TRANSFER

get *<file>*
Download a file

put *<file>*
Upload a file

get -c *<file>*
Resume a download

mget *<glob>*
Download files by wildcard

TRANSFER (cont.)

mput *<glob>*
Upload files by wildcard

pget -n *<n>* *<file>*
Download over n connections

MIRROR

mirror *<rdir>* **[***<ldir>***]**
Download a directory tree

mirror -R *<ldir>* **[***<rdir>***]**
Upload a directory tree

mirror --dry-run *<rdir>*
Preview without changing anything

mirror -c *<rdir>*
Continue interrupted transfers

mirror -n *<rdir>*
Only get newer files

mirror -e *<rdir>*
Delete files missing at the source

mirror -P *<n>* *<rdir>*
Run n transfers in parallel

mirror -x *<regex>* *<rdir>*
Exclude by regex

REMOTE FILES

mkdir -p *<dir>*
Create directory with parents

rm *<file>*
Remove a file (no wildcards)

JOBS AND QUEUE

<command> **&**
Run a command in the background

jobs -v
List running jobs

queue *<command>*
Add a command to the queue

SETTINGS AND BOOKMARKS

set *<name>* *<value>*
Change a setting

set net:limit-rate *<down>*:*<up>*
Limit bandwidth

bookmark add *<name>*
Save the current site