lftp Scriptable file transfer

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

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).

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 -e "*<cmd>***"** *<host>*
Run a command after connecting

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

lftp -f *<script>*
Run a script file and exit

CONNECT (cont.)

user *<user>* **[***<pass>***]**
Set login for later use

NAVIGATE AND LIST

ls
List remote directory (cached)

cd *<dir>*
Change remote directory

lcd *<dir>*
Change local directory

pwd
Print remote location

lpwd
Print local directory

cls -l -h
Formatted long listing, sizes human-readable

find *<dir>*
Recursive listing

cache flush
Drop the listing cache

!*<cmd>*
Run a local shell command

TRANSFER

get *<file>*
Download a file

TRANSFER (cont.)

put *<file>*
Upload a file

get *<file>* **-o** *<local>*
Download under another name

get -c *<file>*
Resume a download

put -c *<file>*
Resume an upload

mget *<glob>*
Download files by wildcard

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 (cont.)

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

mirror -X *<glob>* *<rdir>*
Exclude by glob

REMOTE FILES

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

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

rm -r *<dir>*
Remove a directory recursively

mrm *<glob>*
Remove files by wildcard

mv *<old>* *<new>*
Rename or move

JOBS AND QUEUE

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

jobs -v
List running jobs

JOBS AND QUEUE (cont.)

wait [*<job>***]**
Wait for a job

kill *<job>* **/ kill all**
Stop jobs

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

exit bg
Leave, finish jobs in the background

SETTINGS AND BOOKMARKS

set -a
List all settings

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

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

set ssl:verify-certificate no
Skip certificate verification

bookmark add *<name>*
Save the current site

bookmark list
Show bookmarks

open *<name>*
Connect to a bookmark