fd Fast file finder

CONCEPTS

fd searches names, not contents, and skips hidden files and anything in .gitignore by default. .gitignore is only honored inside a git repo. If a file you know exists is missing, try fd -u. Debian/Ubuntu install the binary as fdfind.

Walk tree current dir
↓ skip hidden + ignored
Match name regex, smart case
↓ -e -t -S filters
Filter type, size, age
↓ -x / -X
Print or run parallel

SEARCHING

`fd`
List everything below the current directory

`fd <pattern>`
Names matching a regex

`fd <pattern> <dir> [<dir>]`
Search in given directories

`fd -g '<glob>'`
Match with a glob pattern

FILTERS

`fd -e <ext>`
Only this extension

`fd -e <ext> <pattern>`
Extension plus name pattern

`fd -t f`
Regular files only

`fd -t d`
Directories only

`fd -d <n> <pattern>`
Limit search depth

`fd -S +<size>`
Files larger than size, e.g. +10M

FILTERS (cont.)

`fd --changed-within <dur>`
Modified recently, e.g. 2d or 1h

`fd -E '<glob>'`
Exclude matching paths

HIDDEN AND IGNORED

`fd -H <pattern>`
Include hidden files

`fd -I <pattern>`
Do not respect ignore files

`fd -u <pattern>`
Unrestricted: same as -HI

OUTPUT

`fd -a <pattern>`
Print absolute paths

`fd -0 <pattern>`
NUL-separated output

RUNNING COMMANDS

`fd -e <ext> -x <cmd>`
Run cmd once per result, in parallel

`fd -e <ext> -X <cmd>`
Run cmd once with all results

`fd -x <cmd> {}`
Placeholder: full path

`fd -x <cmd> {/}`
Placeholder: file name

`fd -x <cmd> {.}`
Placeholder: path without extension

FD VS FIND

Equivalents

find ...	fd ...
`-iname '*foo*'`	`fd foo`
`-name '*.md'`	`fd -e md`
`-type f`	`fd -t f`
`-mtime -2`	`--changed-within 2d`
`-exec c {} \;`	`fd -x c`
`-exec c {} +`	`fd -X c`