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

Smart case: an all-lowercase pattern ignores case, any capital makes it case-sensitive. Force it with -s or -i.

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

fd -p '*<regex>*'
Match against the full path

fd -s *<pattern>*
Force case-sensitive

fd -i *<pattern>*
Force case-insensitive

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

FILTERS (cont.)

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

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

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`