fzf Fuzzy finder

CONCEPTS

fzf reads lines on stdin, shows a filterable list and prints the chosen line(s) on stdout. It is a filter, so anything that makes lines can feed it.

Source stdin, find, or walker
↓ lines
fzf type to filter, move, mark
↓ selection
stdout chosen line(s)
↓ consumed by
Command vim, cd, kill, git ...
How fzf fits in a pipeline

Run eval "$(fzf --bash)" in ~/.bashrc (or source <(fzf --zsh)) to get Ctrl+T, Ctrl+R, Alt+C and ** completion.

RUNNING FZF

`<cmd> | fzf`
Choose one line from the input

`fzf`
Browse files under the current dir

`fzf -m`
Multi-select (Tab marks, Shift+Tab unmarks)

`fzf -q '<query>'`
Start with a query typed in

RUNNING FZF (cont.)

`fzf -1 -0`
Auto-pick a single match, exit on none

`fzf --height 40%`
Inline list instead of full screen

`fzf --layout reverse`
Prompt at the top, list grows down

`fzf --border`
Draw a border around the finder

`fzf --ansi`
Keep colours from the input

`fzf --print0`
Separate output by NUL (pair with xargs -0)

KEYS INSIDE THE FINDER

`Ctrl+J / Ctrl+N / Down`
Move down

`Ctrl+K / Ctrl+P / Up`
Move up

`Enter`
Accept the focused item

`Esc / Ctrl+C / Ctrl+G`
Quit without selecting

`Tab / Shift+Tab`
Mark or unmark item (with -m)

`Ctrl+W / Ctrl+U`
Delete word or whole query

SEARCH SYNTAX

Tokens (space = AND)

Token	Matches
`sbtrkt`	fuzzy
`'wild`	exact substring
`'wild'`	exact, word boundaries
`^music`	prefix
`.mp3$`	suffix
`!fire`	does not contain
`!^music`	does not start with
`a | b`	a OR b

`fzf -e`
Exact matching by default (' makes a term fuzzy)

`fzf -i / +i`
Force case-insensitive or case-sensitive

Terms are ANDed, so 'core go$ | rb$' narrows quickly.

SHELL INTEGRATION

`eval "$(fzf --bash)"`
Enable bindings and completion in bash

`source <(fzf --zsh)`
Enable in zsh

`fzf --fish | source`
Enable in fish

`Ctrl+T`
Paste selected files or dirs at the cursor

SHELL INTEGRATION (cont.)

`Ctrl+R`
Fuzzy search command history

`Alt+C`
cd into a selected directory

`<cmd>` **`<Tab>`
Fuzzy completion of paths, e.g. vim **<Tab>

`kill -9 **`*`<Tab>`*
Pick a process to kill

`ssh **`*`<Tab>`*
Pick a host from config and hosts files

PREVIEW AND LAYOUT

`fzf --preview 'cat {}'`
Show a preview of the focused line

`fzf --preview-window right,50%`
Position and size the preview

`--preview-window hidden`
Start hidden (toggle with a bind)

`fzf --header '`*`<text>`*`'`
Add a fixed header line

{} in a preview or bind is the focused line in single quotes; {+} is every marked line, {q} is the query.

FIELDS AND OUTPUT

`--nth 2`
Search only field 2

`--with-nth 2..`
Show only fields from 2 onwards

BINDINGS AND ACTIONS

`--bind 'ctrl-/:toggle-preview'`
Bind a key to a preview toggle

`--bind 'enter:become(vim {})'`
Replace fzf with a command on Enter

`--bind 'ctrl-o:execute(`*`<cmd>`*` {})'`
Run a command, then return to fzf

`--bind 'ctrl-r:reload(`*`<cmd>`*`)'`
Replace the list with new output

CONFIGURATION

`FZF_DEFAULT_OPTS`
Options applied to every run

`FZF_DEFAULT_COMMAND`
Where fzf gets candidates with no stdin