fzf - command-line fuzzy finder

Make your workflow matchier

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April 2021

Playing Along

Examples are at https://github.com/oalders/fzf-demo. See the README for examples on how to build and use the Docker container.

Problem: It can be hard to find a thing

fzf helps you find things, like files

but it matches on other things as well.

- kill integration
- ssh integration
- vim integration
- VSCode integration
- unset environment variables
- history search via ctrl-r
- source

Installation

- git
- Package managers
- homebrew
- As a vim plugin

Wait, install via vim?

```
Plug 'junegunn/fzf', { 'dir': '~/.fzf', 'do': './install --all' }
Plug 'junegunn/fzf.vim'
```

Now, fzf will be installed for you via :PlugInstall and will add the necessary source to your shell config.

Can I do this without a vim session?

Install via command line:

```
vim +'PlugInstall --sync' +qa
```

Add the above command to your dot files in order to automate your fzf installation.

Usage

- command **<tab>
- Use <tab> to select multiple lines
- fuzzy matching enabled by default
- Prefix a word with ' to get an exact (case-insensitive) match

```
kill -9 **<tab>
> `macdown
```

The above will select all processes running MacDown

- Prefix a word with! to exclude a match
- <return> to exit and pass selections to your command

More Advanced Matching

- .json\$
- ^lab
- ^lab | ^bin

Handy Shortcuts

Emulate tig

```
git log --oneline | fzf --multi --preview 'git show {+1}'
```

vim

:Files ~ :GFiles (git ls-files) :GFiles? (git status) :Buffers :Colors :Lines :History :History: :Commits (requires Fugitive.vim) :Commands :Filetypes :Rg

vim fullscreen

• Add a trailing! to your command: :GFiles!

vim preview windows

Toggle preview window via ctrl-/

Grep Repository (via ripgrep)

:Rg some text

Customizing fzf

```
export FZF_DEFAULT_COMMAND='fd --type f --hidden --follow --exclude .git'
export FZF_DEFAULT_OPTS='--multi --pointer ">>"'
```

Wrapping fzf

```
f () {
    fzf --bind='ctrl-/:toggle-preview' --preview "bat --style=numbers --color=always --line-range :500 {}" "$@"
}
```

Starting at an arbitrary directory

find shared/ -type f|fzf

Custom choosers

Simple: shared/bash/simple-chooser.sh

More flexible: shared/bash/commands.sh

Wrappers

Wrapping 3rd party tools: shared/bash/tmux.sh

Add completion to existing tools:

prove wrapper: shared/bash/prove-wrapper.sh

Custom vim commands

```
" Example without a preview window:
command! GShow
  \ call fzf#run({'source': 'git diff-tree --no-commit-id --name-only HEAD~1', 'sink': 'e'})

command! -bang GShowP
  \ call fzf#run(
  \ fzf#vim#with_preview(
  \ fzf#wrap({ 'source': 'git diff-tree --no-commit-id --name-only HEAD~1' }, <bang>0)
  \ )
  \)
  \)
  \)
```

mm-psql

```
# mm-psql
_fzf_complete_mm-psql() {
  _fzf_complete --reverse --prompt="mm-psql> " -- "$@" < <(
    echo gi-primary
    echo gi-standby
    echo log-primary
    echo log-standby
    echo mm-primary
    echo mm-standby
    echo monitoring-primary
    echo monitoring-standby
    echo monitoring-local-primary
    echo monitoring-local-standby
_fzf_complete_mm-psql_post() {
    awk '{print $1}'
[ -n "$BASH" ] && complete -F _fzf_complete_mm-psql -o default -o bashdefault mm-psql
```

prove-this

```
# prove-this
_fzf_complete_prove-this() {
    _fzf_complete --reverse --multi --prompt="prove-this> " -- "$@" < <(
        find t/lib -type f | grep TestFor
    )
}

_fzf_complete_prove-this_post() {
    awk '{print $1}'
}

[ -n "$BASH" ] && complete -F _fzf_complete_prove-this -o default -o bashdefault prove-this</pre>
```

mm

```
mm() {
    SELECTION=$(cat ~/local-dot-files/mm.txt | fzf --reverse --no-multi)
    COMMAND=$(echo "$SELECTION" | cut -d'#' -f2-)
    echo "Running $COMMAND"
    eval "$COMMAND"
}
```

Contents of mm.txt:

```
1) Install Perl deps
2) Submit Work  # ./dev/bin/general/submit-work.pl
3) Submit One-off  # ./dev/bin/general/submit-work.pl --create
4) Pg Migrations  # ./dev/bin/pg/run-all-migrations
5) Interactive Rebase  # git rebase -i origin/main
6) mm-psql  # mm-psql mm-primary
7) update-backend  # cd ~/mm_website/ansible && time sudo ./roles/ansible/files/update-backend
8) dev-website  # yarn && ./dev/bin/web/dev-website -ckpf
```