



modern linux cli tools

Patrick Drechsler





Patrick Drechsler

- software developer
- ☀️ dotnet / C#
- 🌎 Linux on the desktop 😎
- slides are online: see QR-Code





"modern" is relative...

Douglas Adams

I've come up with a set of rules that describe our reactions to technologies:

- Anything that is in the world **when you're born** is normal and ordinary and is just a natural part of the way the world works.
- Anything that's invented **between when you're fifteen and thirty-five** is new and exciting and revolutionary and you can probably get a career in it.
- Anything invented **after you're thirty-five** is against the natural order of things.





Target audience

- linux desktop CLI users
- linux admins
- docker users
- devops/cloud users
- ...

```
-----  
/ This is the year of linux on the desktop \  
|  
|           ...Windows10 has WSL ;-)          |  
\  
-----  
 \  ^__^  
  \  (oo)\----  
   (__)\       )\/\^  
     ||----w |  
     ||     ||
```



Linux tooling philosophy

- do one thing (and only one thing!) well
- chaining
- *sound familiar? (hint: functional programming...)*



Why? Improvements to...

- **productivity**
 - one cli command is better than multiple clicks in a GUI
 - cli commands are reproducible and easier to document (no screenshots: remember IIS?)
- **optics**
 - "unix porn" (``PS1``, ``ls``, ...)

Learn the basics

VS Code is cool, but it is not a CLI tool

■ Emacs and Vim:

- navigation within file
- cut, copy & paste
- navigation between files
- and how to exit
- pick one and become fluent

■ Learn basic cli commands: ``cd``, ``ls``, ``cat``, ``less``, ``find``, ``grep``, ``sed``, ``tail``, ``awk``, ``dd``, ``rsync``, ...

■ Combine using pipes and redirection

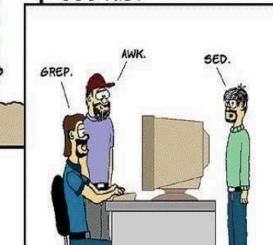


EVOLUTION OF LANGUAGE THROUGH THE AGES.

6000 B.C.



2000 A.D.





Disclaimer



Pets

Cattle





terminal and shell: what's the difference?



terminal

- **colors** (16 or more),
- **fonts** (utf8, ligatures, emojis, ...)
- **interactions**
 - keyboard shortcuts
 - mouse interaction (copy & paste, scrolling, selection, ...)

shell

- **everything else** (f.ex. ``PS1``, scripting language)



What is the best terminal?

- start by using your default terminal

but think about enriching your output!

- Emojis:

- Unicode, Emojis, Fonts, Image support (!)

me/patrick/cli-talk-demos/geek_and_poke_stable_data_model.png

some-project 11 ↗
geek_and_poke_stable_data_~.png 380 K
notes.md 149 B

Thing

has something to do with

SINCE THE REQUIREMENTS ARE A LITTLE BIT UNCLEAR WE TOOK A MORE GENERIC APPROACH

HOW TO CREATE A STABLE DATA MODEL

some-project on main .NET v5.0.204 net5.0

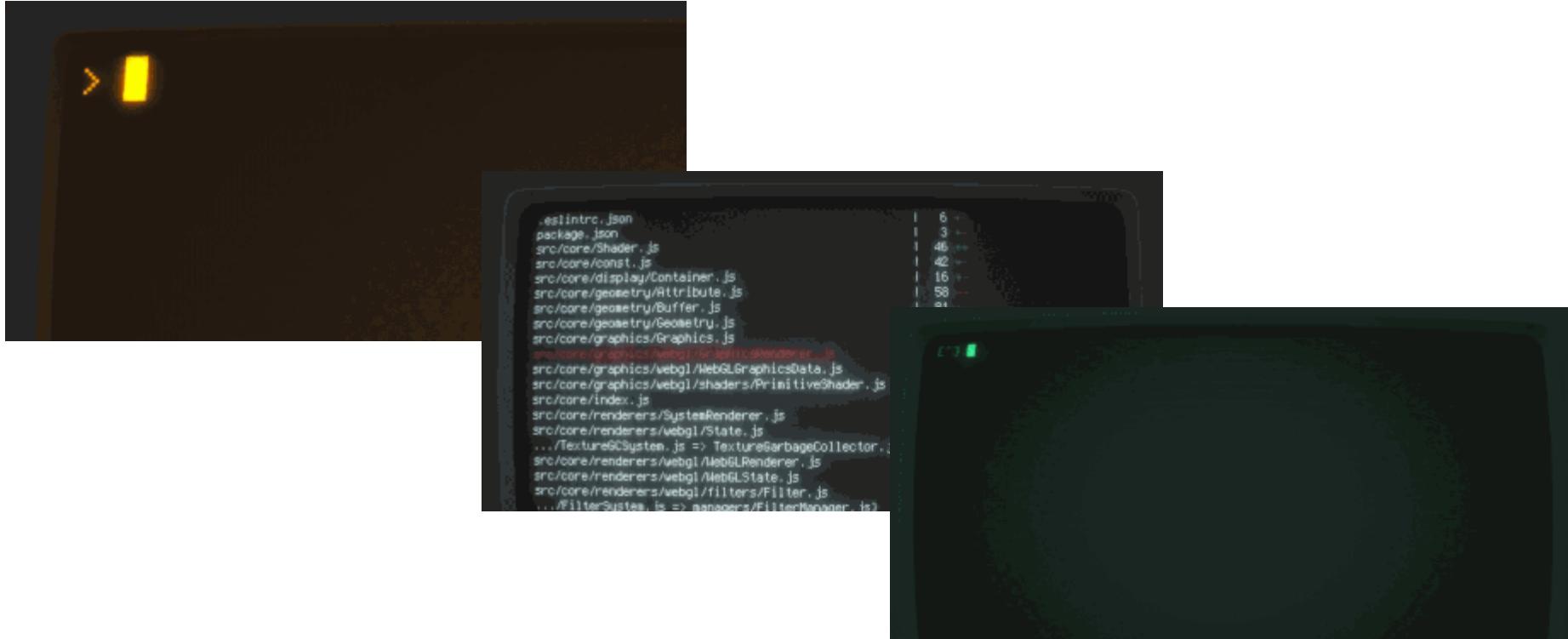
> ls

rwxr-xr-X	1	patrick	10 B	Tue Jun 15 20:30:51 2021				
rwxr-xr-X	1	patrick	182 B	Tue Jun 15 20:32:20 2021				
rwxr-xr-X	1	patrick	414 B	Tue Jun 15 20:30:51 2021				
r--r--r--	1	patrick	1 KiB	Tue Jun 15 20:30:51 2021				
r--r--r--	1	patrick	2 KiB	Tue Jun 15 20:30:51 2021				
r--r--r--	1	patrick	2 KiB	Tue Jun 15 20:30:51 2021				
r--r--r--	1	patrick	3 KiB	Tue Jun 15 20:30:51 2021				
r--r--r--	1	patrick	7 KiB	Tue Jun 15 20:32:16 2021				
r--r--r--	1	patrick	47 B	Tue Jun 15 20:30:51 2021				
r--r--r--	1	patrick	224 B	Tue Jun 15 20:30:51 2021				
r--r--r--	1	patrick	352 B	Tue Jun 15 20:30:51 2021				

bin/
✓ git/.git/
✓ obj/
✓ ApplicativeDemo.fsproj
✓ Demo1.fs
✓ Demo2.fs
✓ Demo3.fs
✓ .gitignore
✓ Program.fs
✓ README.md
✓ TestHelper.fs

terminal - Retro style 🦄

- cool-retro-term: ⚭ 18k stars <https://github.com/Swordfish90/cool-retro-term>





modern alternatives

not the topic of this talk, but...

- kitty: ⚭ 20k stars <https://github.com/kovidgoyal/kitty>
- alacritty ⚭ 49k stars <https://github.com/alacritty/alacritty>
- wezterm ⚭ 10k stars <https://github.com/wez/wezterm>



Popular shells

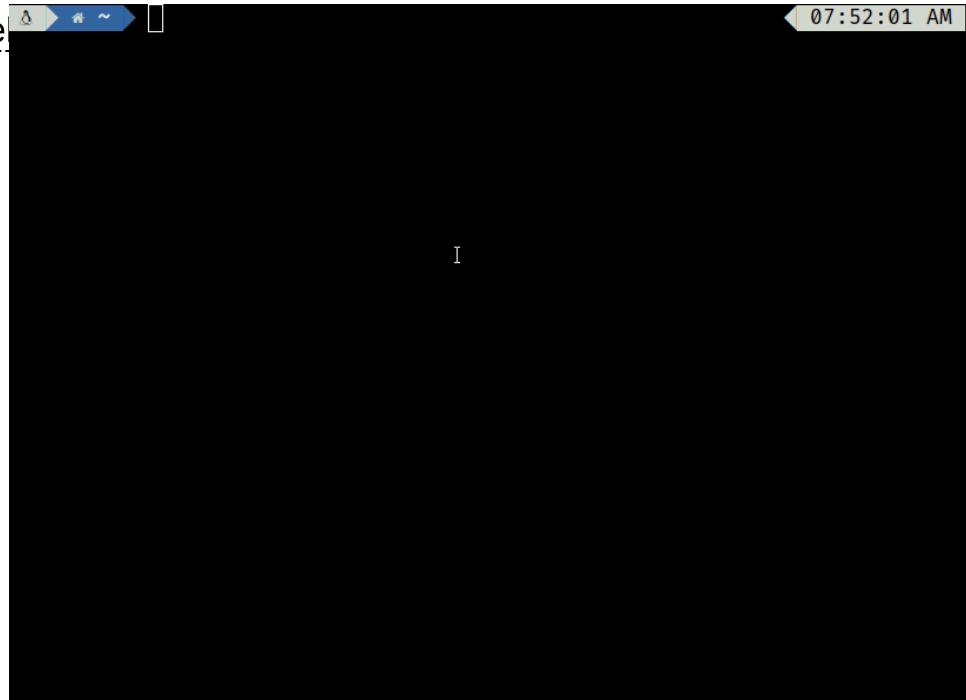
- bash
- zsh
- fish
- dash (embedded)



nushell: The new kid on the block

Everything is data

- keep an eye on it!
 - 26k stars <https://github.com/nushell/nushell>
- 100% **NOT** POSIX conform
- category: experimental





PS1: alias for "prompt string 1"

- default: `username@machinename:~/some/location \$`
- `"\$PWD` present working directory

Extra, nice-to-have information

- only show relevant parts (hide user/machine name on local machine)
- compact location (`"\$PWD`)
- git status
- environment infos (node / .NET / Java / Python / etc version)

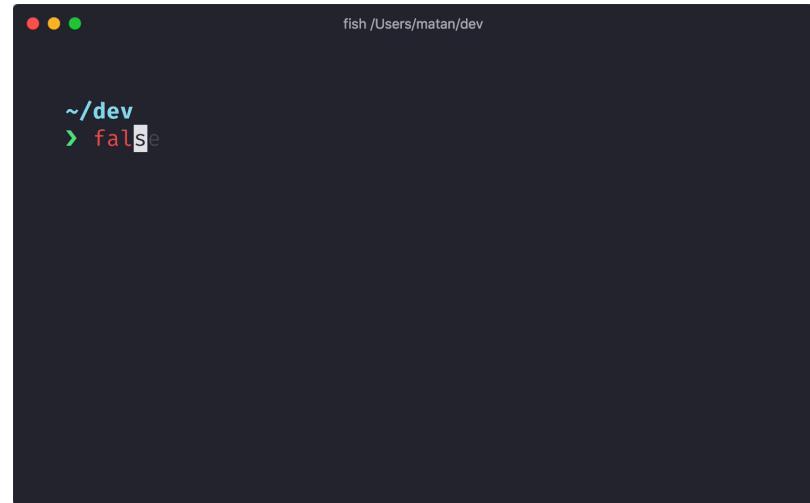
PS1: Starship

the new kid on the block

- 33k stars <https://github.com/starship/starship>
- cross-platform, cross-shell (even Windows cmd.exe)
- stylish
- great defaults for many environments
- easy to configure
- can look like powerline
- category: unix-porn



The minimal, blazing-fast, and infinitely customizable prompt for any shell!





terminal-independent shell UI

- ② 28k stars <https://github.com/tmux/tmux>
- terminal multiplexer
- "tabs" and "split screen" features: terminal independent
- detachable sessions
- plugin system & package manager (of course)
- customizable
- scriptable: f. ex. ``tmuxinator``



`tmux` -wrapper for non-vim users

- (mirrored repo: ~1k stars) <https://www.byobu.org/>
- Keybindings `F1` - `F12`
- Sensible defaults (layout, info line)
- category: productivity



⚠️ Warning about tiling everything ⚠️

don't forget about all the fun keybindings

Nesting can become a challenge...

Abstraction level

Keybinding Brain Overload

tiling **window manager** like `i3` or `sway`



tiling **terminal** like `kitty`



tiling **shell** like `nushell` or `tmux`



application like `emacs` or `vim`





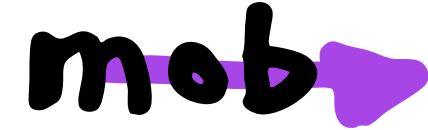
Smooth git handover

- 1k stars <https://mob.sh/>
- remote ensemble or pair programming using screen sharing

```
## first user
mob start 5
mob next

## second user
mob start 5
mob next

## any user, wanting to make a normal commit
mob done
```





file explorer / manager

- 13k stars <https://ranger.github.io>
- 2 layout options
 - miller columns ("mac" style)
 - multipane (similar to Midnight commander)
- powerful preview mode and program launcher (word, music, ...)
 - with image support for certain terminals (`iTerm2`, `urxvt`, `kitty`) not `gnome-terminal` (!)
- key bindings: see `~/.config/ranger/rc.conf` starting at line ~300...
- category: navigation, file system

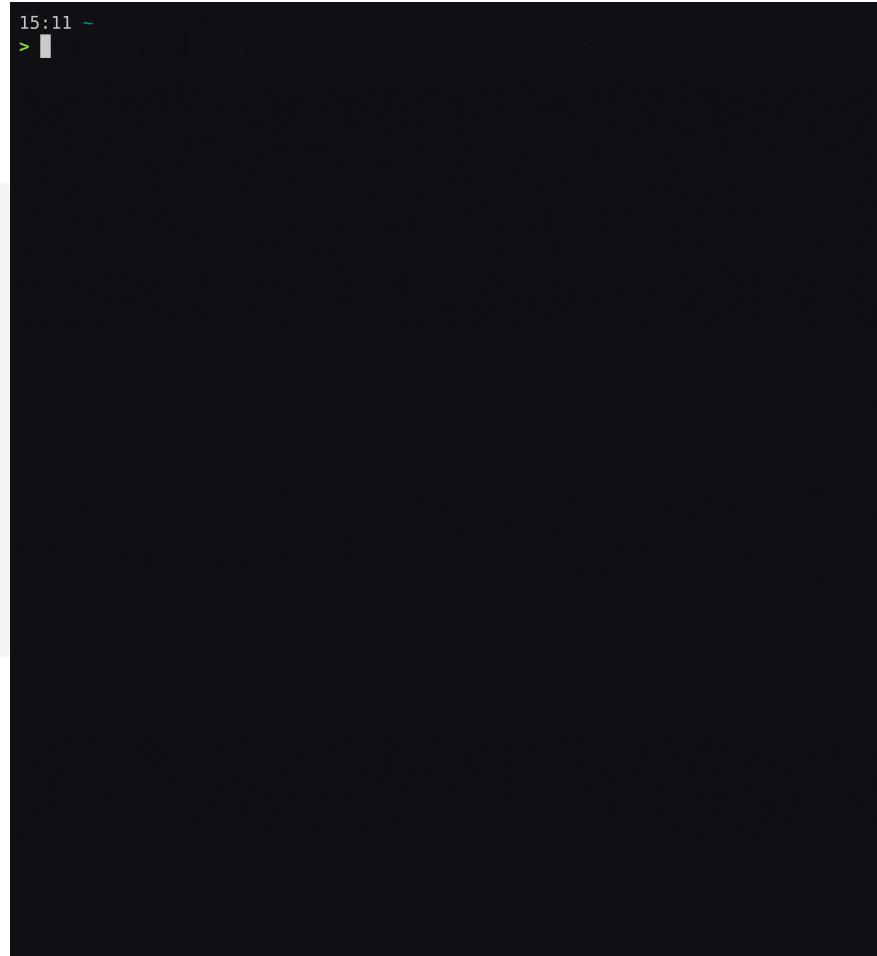


another terminal file manager

Most terminal file managers out there (if not all) are built using the TUI design principles, much like the superb `Midnight Commander` and `Ranger` . But clifm is built rather having the CLI design principles in mind: do not navigate through a big menu of files, just type it!, exactly as you do in your regular shell, but easier and faster.

For this reason, clifm does not need to be better: it's just different!

- ① 1.1k stars <https://github.com/leo-arch/clifm>
- `ranger` alternative
- category: navigation, file system

A screenshot of a terminal window with a black background. At the top left, the time is shown as 15:11. To its right is a tilde (~). Below the time, there is a green greater-than sign (>) followed by a small white square cursor. The rest of the terminal window is entirely black, indicating no further output.



another terminal file manager

nnn (n³) is a full-featured terminal file manager. It's tiny, nearly 0-config and incredibly fast.

- `ranger` alternative
- category: navigation, file system

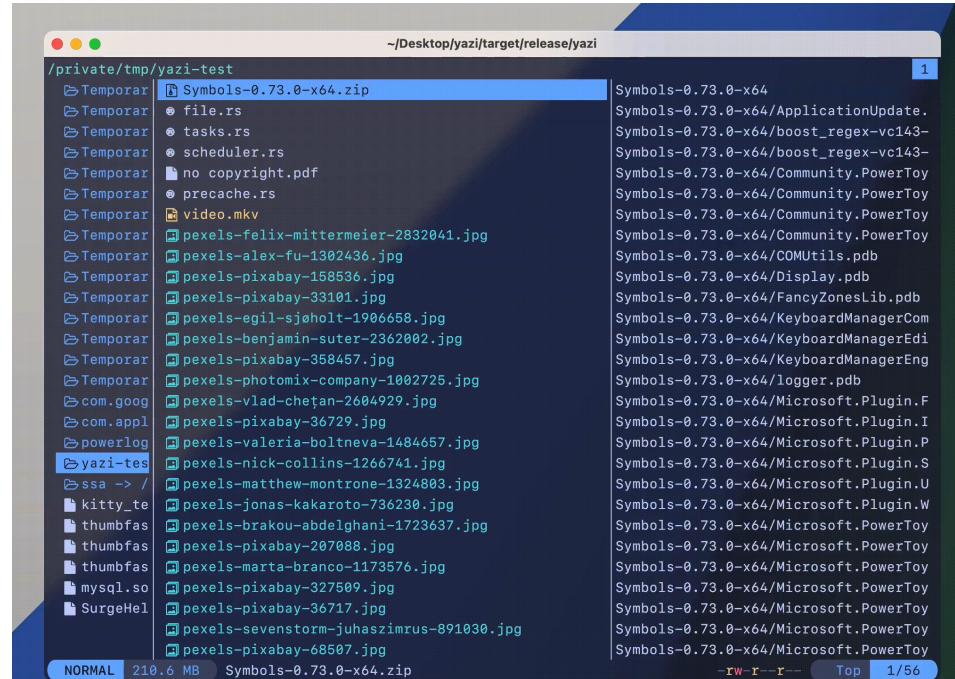
A screenshot of the nnn terminal file manager. The interface is dark-themed. On the left, a file tree is displayed with icons for different file types: demo (red folder), dev (blue folder), documents (green folder), downloads (orange folder), music (purple folder), onedrive (yellow folder), pictures (pink folder), server (light blue folder), share (teal folder), torrents (dark blue folder), videos (brown folder), vimwiki (light green folder), and wine (grey folder). To the right of the file tree, there is a list of files with their icons and names: archive.tar.gz, document.docx, document.pdf, gif.gif, image.png, song.flac, and spreadsheet.xlsx. At the bottom of the screen, there is a status bar with the text "1/13 2021-04-13 01:20 drwxr-xr-x luuk:wheel 4K" and a small arrow icon.



fast terminal file manager

Yazi ("duck" in Chinese) is a terminal file manager written in Rust, based on non-blocking async I/O. It aims to provide an efficient, user-friendly, and customizable file management experience.

- 3k stars <https://github.com/sxyazi/yazi>
- `ranger` alternative
- category: navigation, file system





man pages can be difficult

- ② 44k stars <https://tldr.sh/>
- clients implemented in many languages
 - js, ruby, python, perl, haskell, etc.
- shared user-contributed knowledge-base



- ② 2k stars <https://github.com/dbrgn/tealdeer>
- ...in rust

```
~/cli-talk-demos
> tldr scp

scp

Secure copy.
Copy files between hosts using Secure Copy Protocol over SSH.
More information: https://man.openbsd.org/scp.

- Copy a local file to a remote host:
  scp path/to/local_file remote_host:path/to/remote_file

- Use a specific port when connecting to the remote host:
  scp -P port path/to/local_file remote_host:path/to/remote_file

- Copy a file from a remote host to a local directory:
  scp remote_host:path/to/remote_file path/to/local_directory

- Recursively copy the contents of a directory from a remote host to a local directory:
  scp -r remote_host:path/to/remote_directory path/to/local_directory

- Copy a file between two remote hosts transferring through the local host:
  scp -3 host1:path/to/remote_file host2:path/to/remote_directory

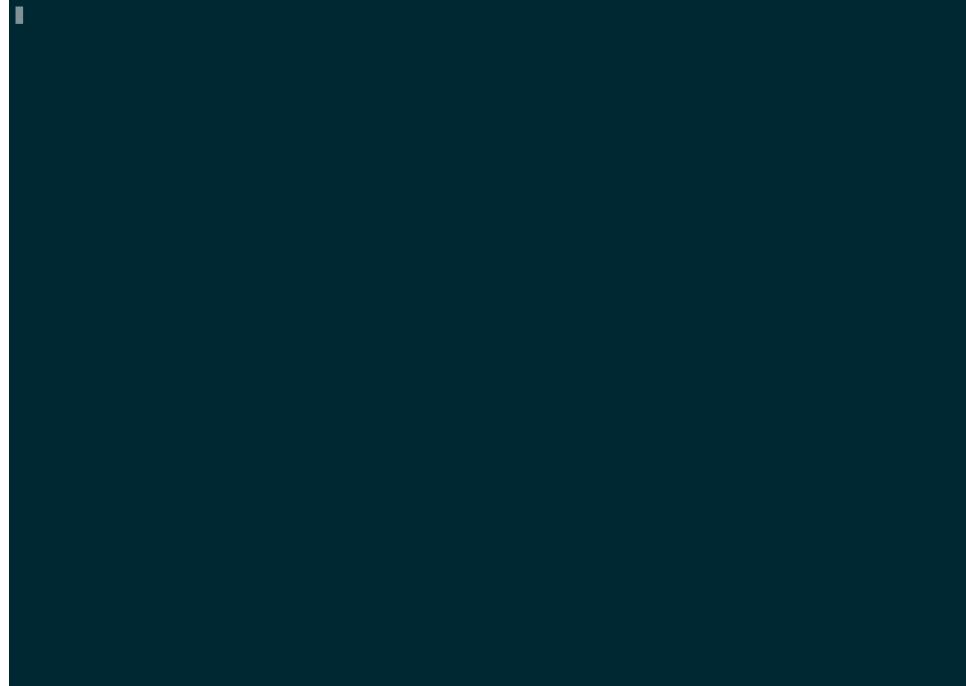
- Use a specific username when connecting to the remote host:
  scp path/to/local_file remote_username@remote_host:path/to/remote_directory

- Use a specific ssh private key for authentication with the remote host:
  scp -i ~/.ssh/private_key local_file remote_host:/path/remote_file
```



magic shell history

- 23k stars <https://github.com/atuinsh/atuin>
- powerful history search (``ctrl+r``)
- uses SQLite under the hood
- also allows synchronizing between machines
- cross-shell
- Example: `dotnet tool`





a smarter cd command, inspired by z and autojump.

- 26k stars <https://github.com/ajeetdsouza/zoxide>
- cross-shell
- interactive mode
- integrates nicely with other tools such as ``fzf``, ``ranger``, ``yazi``, ``atuin``



``cat`` & ``less`` with syntax highlighting

- ① 40k stars <https://github.com/sharkdp/bat>
- hint: can be used as preview by ``ranger`` ...
- category: file preview



very fast `\grep` replacement

- ① 37k stars <https://github.com/BurntSushi/ripgrep>
- `\ripgrep` recursively searches directories for a regex pattern
- sensible defaults: respect `\.gitignore`, ignores hidden files & folders
- command: `\rg`
- category: search
- use `\rg --hidden -g '!.\git' "your search"` to search all hidden folder except `\.git`
 - create an alias (maybe `\rgh` ?)...

 ripgrep-all

ripgrep, but also search in PDFs, E-Books, Office documents, zip, tar.gz, sqlite (!), etc

- 5k stars <https://github.com/phiresky/ripgrep-all>
- command: `rga`
- faster than `pdffgrep` (see website for a benchmark)
- category: search
- Demo: search in Manning books folder



simple alternative to `find`

- ① 27k stars <https://github.com/sharkdp/fd>
- "The command name is 50% shorter than `find`"
- Convenient syntax `fd PATTERN` (instead of `find -iname '*PATTERN*'`)
- Sensible defaults: `~.gitignore`, ignore hidden files/folders
- fast
- category: search



interactive fuzzy search

- 51k stars <https://github.com/junegunn/fzf>
- excellent integration with other tools: Install it and it will be used by many other tools
- ``Alt+c`` : quick ``cd`` navigation
- nice helper methods. ``<cmd> **<TAB>``, for example:
 - ``cd **<TAB>``
 - ``ssh **<TAB>``
 - ``unset **<TAB>``, ``export **<TAB>``, ``unalias **<TAB>``
 - ``kill -9 <TAB>`` careful...
- Things you can do with fzf: <https://andrew-quinn.me/fzf>
- category: search



"sql for json" (and other data formats)

jq

- lightweight and flexible command-line JSON processor
- ⚡ 26k stars <https://github.com/jqlang/jq>

jqp

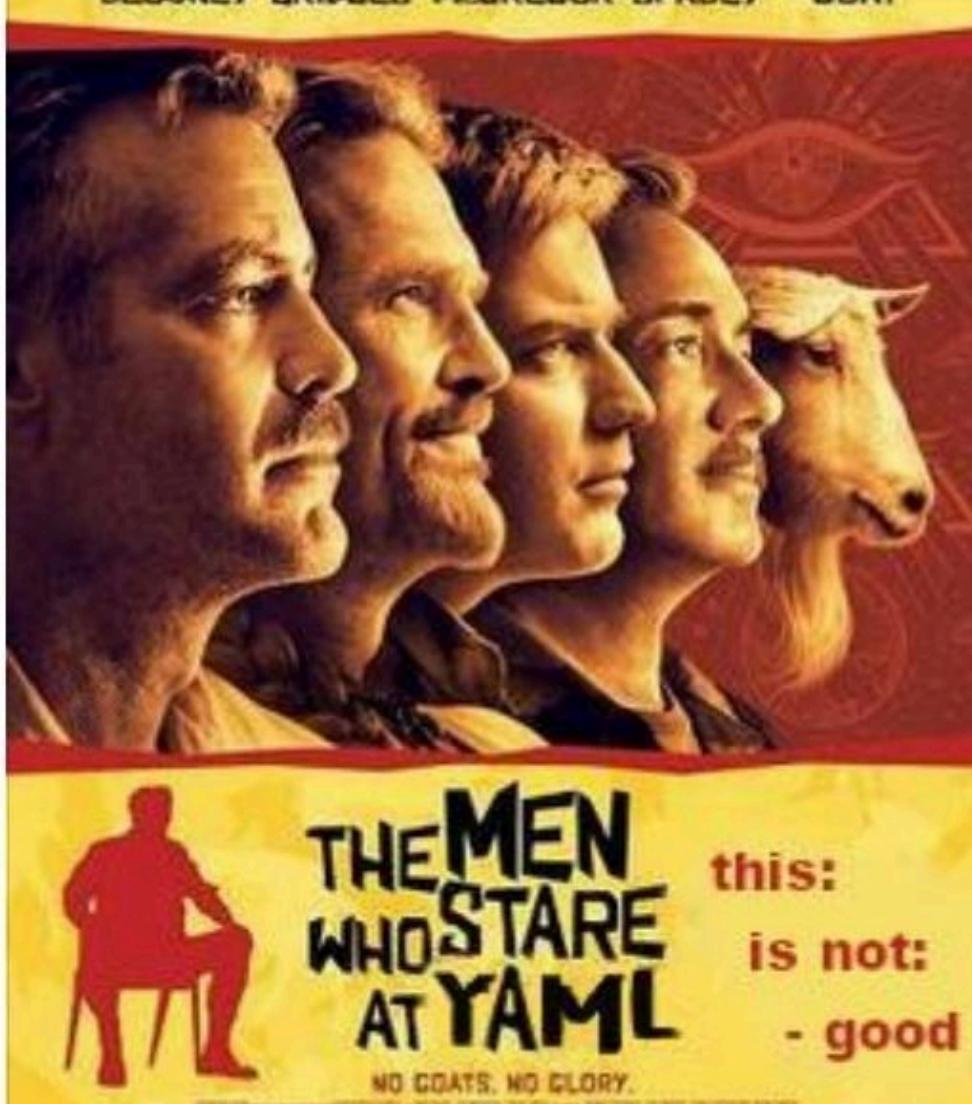
- TUI for `jq`
- ⚡ 1.8k stars <https://github.com/noahgorstein/jqp>

miller

- similar to `jq`, but also for CSV, TSV, JSON, etc.
- ⚡ 8k stars <https://github.com/johnkerl/miller>

fq

- `jq`, but for binary data
- ⚡ 8k stars <https://github.com/wader/fq>
- for example: audio, video, images, etc.



yq

- `jq`, but for YAML
- ⚡ 13k stars

<https://github.com/mikefarah/yq>



benchmarking tool

- 15k stars

<https://github.com/sharkdp/hyperfine>

```
## comparing `fd` with `find`
hyperfine --warmup 3 \
  'fd -e jpg -uu' \
  'find -iname "*.jpg"'
```

- category: benchmarking



monitor any kind of "copy"

- 6k stars <https://github.com/Xfennec/progress>
- attach to any kind of copy, even after the fact (!)
- category: monitoring

```
No command currently running: cp, mv, dd, tar, cat, rsync, grep, fgrep, egrep, cut, sort, md5sum,  
sha1sum, sha224sum, sha256sum, sha384sum, sha512sum, adb, gzip, gunzip, bzip2, bunzip2, xz,  
unxz, lzma, unlzma, 7z, 7za, zcat, bzcat, lzcat, split, gpg, or wrong permissions.
```



Rainbows and unicorns

- 5k stars <https://github.com/busyloop/lolcat>
- category: fun, unix porn

```
~/cli-talk-demos
> lc | lolcat
  rwxr-xr-x  1  patrick   182 B    Thu Jun 17 07:24:41 2021 ➔ search-project/
  rwxr-xr-x  1  patrick   872 B    Wed Jun 16 01:30:02 2021 ➔ search-project-pdf/
  rwxr-xr-x  1  patrick   196 B    Tue Jun 15 20:32:18 2021 ➔ some-project/
  rw-r--r--  1  patrick   379 KiB   Tue Jun 15 20:39:21 2021 ➜ geek_and_poke_stable_data_model.png
  rw-r--r--  1  patrick    23 B    Tue Jun 15 22:01:28 2021 ➜ live-notes.md
  rw-r--r--  1  patrick   149 B    Tue Jun 15 16:40:27 2021 ➜ notes.md
  rw-r--r--  1  patrick    2 GiB   Wed Jun 16 01:28:31 2021 ➜ ubuntu-20.04.2.0-desktop-amd64.iso

~/cli-talk-demos
> lc | lolcat
  rwxr-xr-x  1  patrick   182 B    Thu Jun 17 07:24:41 2021 ➔ search-project/
  rwxr-xr-x  1  patrick   872 B    Wed Jun 16 01:30:02 2021 ➔ search-project-pdf/
  rwxr-xr-x  1  patrick   196 B    Tue Jun 15 20:32:18 2021 ➔ some-project/
  rw-r--r--  1  patrick   379 KiB   Tue Jun 15 20:39:21 2021 ➜ geek_and_poke_stable_data_model.png
  rw-r--r--  1  patrick    23 B    Tue Jun 15 22:01:28 2021 ➜ live-notes.md
  rw-r--r--  1  patrick   149 B    Tue Jun 15 16:40:27 2021 ➜ notes.md
  rw-r--r--  1  patrick    2 GiB   Wed Jun 16 01:28:31 2021 ➜ ubuntu-20.04.2.0-desktop-amd64.iso
```

no-more-secrets 🦄

when the tv team comes in your office

- 5k stars <https://github.com/bartobri/no-more-secrets>
- pipe something to `nms` or just run `sneakers`
- category: fun, unix porn



[brian@archtop ~]\$

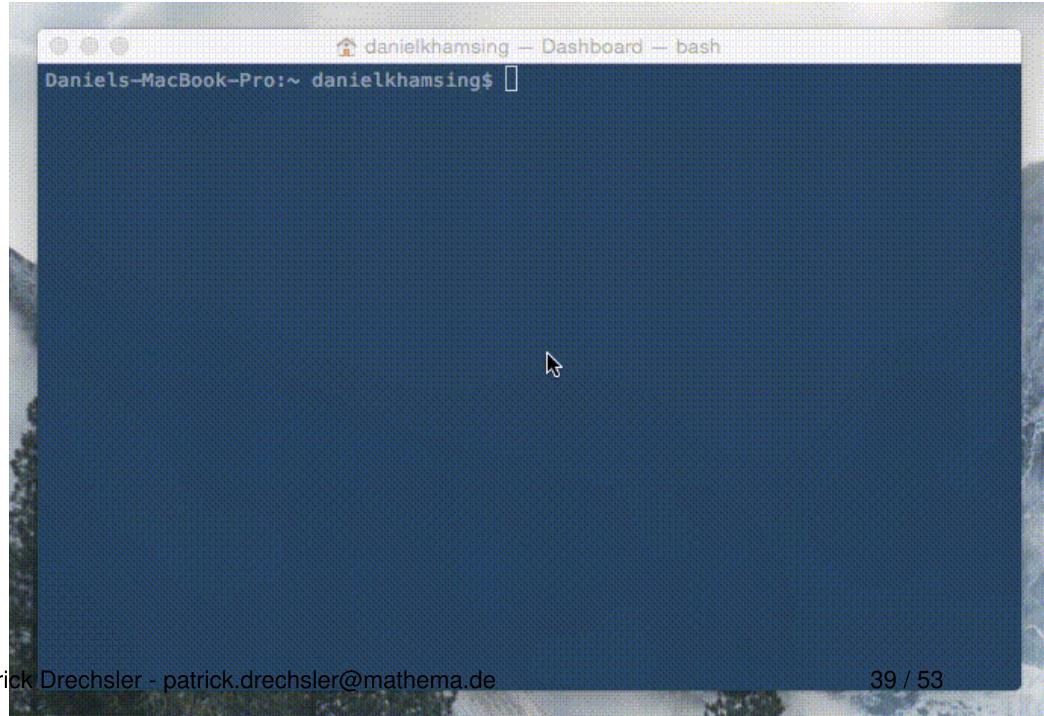


[brian@archtop ~]\$





- ① 3k stars <https://github.com/mtoyoda/sl>
- typo ``sl`` (instead of ``ls``) → show steam locomotive
- can we pipe it to ``lolcat``? of course
- category: fun, unix porn





GitHub CLI

- 32k stars <https://github.com/cli/cli>
- Example: push current git folder to new private github repo:
 - `gh repo create --source . --push --private`
- create PRs
- view issues



static analysis tool for shell scripts

- 37k stars <https://github.com/koalaman/shellcheck>
- plugins available for most IDEs
- written in Haskell ;-)



- ① 12k stars <https://github.com/go-task/task>
- task runner / simpler Make alternative
- single binary
- cross-platform
- written in Go

```
version: '3'

vars:
  GREETING: Hello, World!

tasks:
  default:
    cmds:
      - echo "{{.GREETING}}"
    silent: true

  test:
    cmds:
      - dotnet test
```



Command suggestions, command-not-found and ``thefuck`` replacement written in Rust

- ① 200 stars <https://github.com/iffse/pay-respects>
- category: productivity

A screenshot of a terminal window with a dark background. The logo for pay-respects is displayed, consisting of a green arrow pointing right, a blue tilde character (~), and a blue square bracket character [].



Is on steroids

`ls` problem: **sort by name and time and size** at the same time...

Use colors!

- `colorls` ("the original" in ruby: <https://github.com/athityakumar/colorls>)
- `lsd` (in rust: <https://github.com/Peltrophe/lspd>)
- `exa` (in rust: <https://github.com/ogham/exa>)
- `eza` (in rust: <https://github.com/eza-community/eza>)

Required: font providing all symbols

- Example: NerdFonts <https://github.com/ryanoasis/nerd-fonts>



- 7k stars <https://github.com/eza-community/eza>
- category: unix porn

```
drwxr-xr-x  patrick patrick 17 Jun 2023 | gh-pages
drwxr-xr-x  - patrick patrick 19 Jun 2023 | gh-pages
drwxr-xr-x  - patrick patrick  4 Jun 2023 + main
drwxr-xr-x  - patrick patrick 23 Jun 2023 | gh-pages
drwxr-xr-x  - patrick patrick 17 Nov 2023 | gh-pages
drwxr-xr-x  - patrick patrick 12 Dec 2023 | it-tage-.
drwxr-xr-x  - patrick patrick 10 Jan 05:35
drwxr-xr-x  - patrick patrick  4 May 2023 | main
drwxr-xr-x  - patrick patrick 28 Apr 22:50 | 2024-mag...
drwxr-xr-x  - patrick patrick 13 Apr 02:03 | main
drwxr-xr-x  - patrick patrick  6 Jul 2022 - -
drwxrwxr--  - patrick patrick 19 Feb 21:18 | main
drwxr-xr--  - patrick patrick  8 Jan 02:58 | master
drwxr-xr-X  - patrick patrick 26 Jun 2023 | main
drwxr-xr-X  - patrick patrick 22 Oct 2019 - -
drwxr-xr-X  - patrick patrick  3 Apr 2023 | main
drwxr-xr-X  - patrick patrick  8 Feb 2023 | main
drwxr-xr-X  - patrick patrick 10 Dec 2018 | master
drwxrwxr-X  - patrick patrick 31 Aug 2020 - -
drwxrwxr-X  - patrick patrick  5 Nov 2023 - -
drwxrwxr-X  - patrick patrick 27 Aug 2018 - -
drwxrwxr-X  - patrick patrick 14 Feb 09:33 - -
.rw-r--r--  87K patrick patrick 27 Aug 2018 - -
.rw-r--r--  9.5M patrick patrick 14 Feb 09:33 - -
```

The terminal shows a directory listing of the eza repository. Several files and directories are highlighted with red boxes:

- A red box highlights the directory path `main`.
- A red box highlights the file `2024-mag...`.
- A red box highlights the file `Mathema Campus-ppt-Vorlage.pptx`.
- A red box highlights the file `drechsler-profile.jpg`.
- A red box highlights the file `patrick.patrick 27 Aug 2018 - -`.
- A red box highlights the file `patrick.patrick 14 Feb 09:33 - -`.

Red arrows point from the highlighted file paths to their corresponding entries in the sidebar navigation menu.

- 2023-06-ctool-and-modern-linux-cli-tools
- 2023-06-dwx-fp-csharp-to-fsharp
- 2023-06-my-coding-zone-error-handling
- 2023-06-socrates-day-franken-modern-linux-cli-tools
- 2023-12-it-tage-fp-intro-csharp-fsharp
- 2023-fp-intro-csharp-fsharp
- 2023-gregor
- 2023-mathema-sample-slides
- 2023-modern-linux-cli-tools
- 2024-04-mathemacampus-approval-testing
- _other_people
- abstracts
- abstracts.orig
- draptik
- ideas-workshop-testing
- jeopardy-questions
- mathema-teamday-opensource
- reveal-js-template
- template
- tmp



Everything lazy*

■ lazydocker

- ⓘ 27k stars <https://github.com/jesseduffield/lazydocker>

■ lazygit

- ⓘ 35k stars <https://github.com/jesseduffield/lazygit>

```
Status
lazydocker

Services
running api      0.01%
running mysql    0.13%
running quote-fetcher 0.00%
running redis4.0  0.31%

Standalone Containers
exited (1) migrate    0.00%
running guard      0.00%
running rails-console 0.00%

Images
<none>          <none>   1
<none>          <none>   1
bumper          latest    9
<none>          <none>   5

Volumes
local 68473898e49e0e4d2c5998f68c79
local 90d4357f8a93810ee8f2a59671e7
local b9a432a2d4d6366f9a9434aff8a
local bc80a55695b8d780db6fbef54f31a

PgUp/PgDn: scroll, esc/q: close, x: menu, ← → ↑ ↓: navigate
```

```
github.com/jesseduffield/lazygit test-branch ✘
▶

22h30m ✘
```

du alternatives

`du` in the name

- ncdū - we all know this
 - <https://dev.yorhel.nl/ncdu>
- ○ 2k stars gdu: <https://github.com/dundee/gdu>
- ○ 6k stars dust: <https://github.com/bootandy/dust>





- <https://github.com/dustinkirkland/hollywood>
- random crazy stuff in the terminal
- category: unix porn
- Live demo



Everything *top

- btop 😎
- apachetop
- ngxtop
- mtp
- pg_top
- powertop
- iotop
- iftop
- nethogs



Why didn't I show this presentation in a shell?

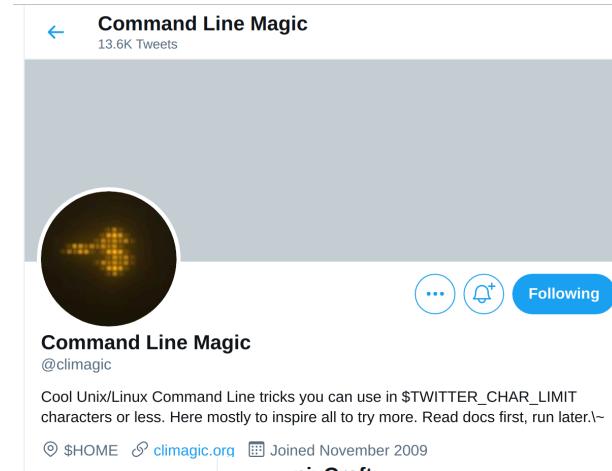
I've done it 😊

- 5k stars <https://github.com/mfontanini/presenterm>

Resources

- [m https://mastodon.social/@climagic](https://mastodon.social/@climagic)
- [m https://mastodon.social/@nixCraft](https://mastodon.social/@nixCraft)
- [r/commandline](#)
- [r/unixporn](#)
- search for "awesome-cli"

This talk was inspired by Martin Leyrer's session at Gulaschprogrammiernacht 19 (CCC).



Command Line Magic
13.6K Tweets

Following

Command Line Magic
@climagic

Cool Unix/Linux Command Line tricks you can use in \$TWITTER_CHAR_LIMIT characters or less. Here mostly to inspire all to try more. Read docs first, run later.:-)

⌚ \$HOME ⌚ climagic.org Joined November 2009

12.2K Following 201.9t nixCraft

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nixCraft
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⌚ Rootland ⌚ cyberciti.biz Joined November 2008

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I forgot your favorite tool?

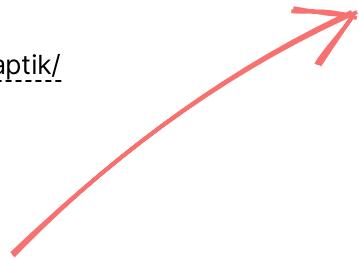
- git-fuzzy <https://github.com/bigH/git-fuzzy>
- forgit <https://github.com/wfxr/forgit>
- mosh (robust replacement for ssh) <https://mosh.org/>
- fish_config (web-based configuration tool for fish shell)
https://fishshell.com/docs/current/commands.html#fish_config
- xclip (cli to X clipboard) 403 stars
<https://github.com/astrand/xclip>
- neofetch (fancy system info in the shell) 7.7k stars
<https://github.com/dylanaraps/neofetch>
- expect <https://likegeeks.com/expect-command/>
- httpie (cli http client) 45k stars <https://httpie.org/>
- http-prompt (cli http client) 7.6k stars <http://http-prompt.com/>
- pywal (color schemes for terminal) 3.4k stars
<https://github.com/dylanaraps/pywal>
- ytfzf <https://github.com/pystardust/ytfzf> find YT videos and downloads them using youtube-dl
- figlet <http://www.figlet.org/> ascii art
- toilet <http://caca.zoy.org/wiki/toilet> ascii art
- apt-iselect (interactive ncurses package search for debian)
<https://www.rot13.org/~dpavlin/apt-iselect.html>
- gcalcli (google calender in the shell) 2k stars
<https://github.com/insanum/gcalcli>
- pastebinit (cli tool to send data to pastebin) 17 stars
<https://github.com/skorokithakis/pastebinit>
- MapSCII (ascii google maps in the terminal)
<https://github.com/rastapasta/mapscii>
- alwaysontop (always move prompt to top of screen) 160 stars
<https://github.com/swirepe/alwaysontop>
- wttr.in (ascii weather report) <https://github.com/chubin/wttr.in>
- gpt4free <https://github.com/xtekky/gpt4free>
- Fig <https://fig.io/> Autocomplete on-steroids
- xkcd.xsh <https://gist.github.com/Lassi-Koykka/9fb934732a871ca3c8bc9396983a3310>
- fx (json cli viewer) <https://github.com/antonmedv/fx>



Thank You!

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- <https://bsky.app/profile/drechsler.bsky.social>

Slides



- QR Code or
- <https://draptik.github.io/2025-06-codebuzz-modern-linux-cli-tools>

