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A curated list of awesome command-line frameworks, toolkits, guides and gizmos. Inspired by awesome-php.

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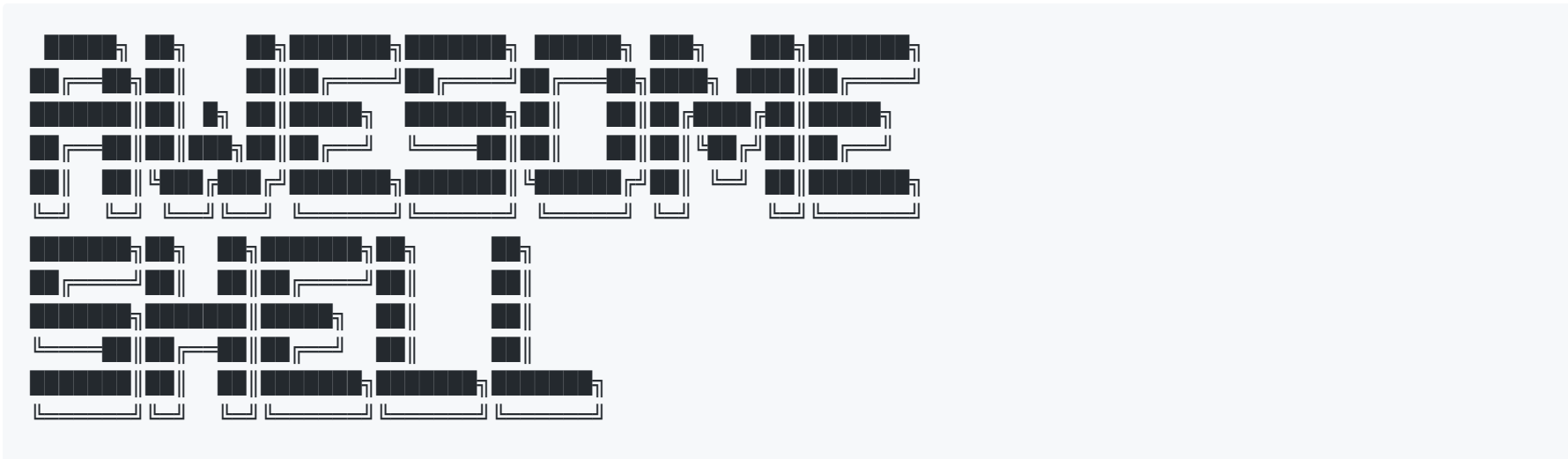| 📄 LICENSE | Create LICENSE | 3 years ago |
| 📄 README.md | added gcalcli for Google Calendar | 23 hours ago |
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📖 **README.md**

Awesome Shell 👓 awesome

A curated list of awesome command-line frameworks, toolkits, guides and gizmos. Inspired by awesome-php. This awesome collection is also available on Unix-Shell.ZEEF.com.

- Shells
- Command-Line Productivity

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- Multimedia and File Formats
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- Shell Package Management
- Shell Script Development
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- **Awesome Fish** 👓 awesome
- Other Awesome Lists

Shells

Choose your base shell.

- bash - GNU Project's shell (Bourne Again SHell)
- fish - Smart and user-friendly command line shell
- xiki - Makes the shell console more friendly and powerful
- xonsh - Python-ish, BASHwards-looking shell language and command prompt
- zsh - Powerful shell with scripting language

Command-Line Productivity

Search, bookmarks, multiplexing, and other tools that make your terminal experience more productive.

- AdvancedNewFile - Fast creation of files and directories in a recursive way. Inspired by the Vim plugin.
- ag - Super fast string search through a directory hierarchy
- aliases - Contextual, dynamic, organized aliases for bash
- aliasme - alias helper to change directory quickly
- autoenv - Directory-based environments
- autojump - A cd command that learns - easily navigate directories from the command line
- bashhub - ☁️ Bash history in the cloud. Indexed and searchable.
- bashmarks - Directory bookmarks for the shell
- bd - Quickly go back to a parent directory
- boilr - A blazingly fast CLI tool for creating projects from boilerplate templates.
- boom - Store links and snippets in the commandline
- borg - A terminal based search engine for bash commands
- Buku - Powerful command-line bookmark manager
- byobu - Text-based window manager and terminal multiplexer
- commacd - A faster way to move around in Bash
- CloudClip - Your own clipboard in the cloud, copy and paste text with gist between different systems
- desk - A lightweight workspace manager for the shell
- direnv - An environment switcher for the shell, compare with autoenv
- enhancd - 🚀 A next-generation cd command with an interactive filter
- fasd - Command-line productivity booster, offers quick access to files and directories
- foxy - Plain text bookmarks for firefox and surf browsers.
- fz - Seamless fuzzy tab completion for z

- [fzf](#) - A command-line fuzzy finder
- [googler](#) - Google Search, Google Site Search, Google News from the terminal
- [goto](#) - A shell utility for navigation to aliased directories supporting auto-completion
- [has](#) - `has` helps you check presence of various command line tools and their versions on path
- [how2](#) - `how2` finds the simplest way to do something in a unix shell. It's like `man`, but you can query it in natural language.
- [hhighlighter](#) - Colorize words in a command output
- [hr](#) - `<hr />` for your terminal
- [hss](#) - An interactive parallel ssh client featuring autocomplete and asynchronous execution
- [hstr](#) - Bash History Suggest Box
- [jump](#) - Jump helps you navigate your file system faster by learning your habits.
- [k](#) - k is a Zsh script to make directory listings more readable, adding Git status, fileweight colors and rotting dates
- [k alias](#) - get kool aliases (and more) working with a simple one-liner
- [lf.sh](#) - Quickly search files with fewer typings and do many more (grepping, copying path to clipboard, etc)
- [Lmod](#) - Lua-based Environment Modules that enhances Tcl-based modules while being backward compatible (compare to modules)
- [marker](#) - Bookmark your shell commands
- [modules](#) - Classical Tcl-based Environment Modules managing the shell environment (compare to Lmod, direnv, and autoenv)
- [nnn](#) - File browser and disk usage analyzer with excellent desktop integration
- [parallel](#) - Build and execute shell command lines from standard input in parallel
- [pathpicker](#) - Accepts inputs like grep, searches, git etc; allows selecting files from the result of the input, which you can then open or provide as argument to a command.
- [percol](#) - Adds flavor of interactive filtering to the traditional pipe concept of UNIX shell

- q - Vim like macro registers for your Bash and Zsh Shell
- qfc - File-completion widget for Bash and Zsh
- rg - ripgrep is a line oriented search tool that combines the usability of The Silver Searcher with the raw speed of GNU grep
- shell-history - Visualize your shell usage with Highcharts
- SHML - Style framework for the terminal (Shell Markup Language)
- slugify - Command that converts filenames and directories to a web friendly format
- sman - 🐛 A command-line snippet manager
- spark - ▁▂▃▅▂▇ in your shell
- Shark - ▁▂▃▅ Sparkline Generator
- sheet - Text snippets for the command line
- spot - Tiny file search utility
- snips - Commandline tool to manage snippets of code.
- sshfs - A tool for mounting remote file systems over SSH
- sshrc - Bring your .bashrc, .vimrc, etc. with you when you SSH
- sudocabulary - Learn English Vocabulary from your terminal
- surfraw - browse specific site and search the web from your terminal without browser.
- thefuck - Fix common shell mistakes by using an easy to remember command
- tldr - A fully-functional bash client for tldr, simplified and community-driven man pages
- tmux - Amazing terminal multiplexer
- up - Ascend directories by name or count; for bash, zsh, and fish.
- v - z for vim.
- wemux - Multi-User Tmux Made Easy

- [z](#) - z is the new j, yo

Customization

Custom prompts, color themes, etc.

- [base16-builder](#) - Base16-Builder
- [bash-full-of-colors](#) - Powerful prompt with screen, tmux, git support and many more
- [bash-git-prompt](#) - An informative and fancy Bash prompt for Git users
- [bash-powerline](#) - Powerline-style Bash prompt in pure Bash script
- [bashstrap](#) - A quick way to spruce up OSX terminal
- [bullet-train-oh-my-zsh-theme](#) - 🚄 An oh-my-zsh shell theme based on the Powerline Vim plugin
- [emojify](#) Emoji on the command line 😱
- [flatui-terminal-theme](#) - Nicer colors for terminal
- [git-prompt](#) - Bash prompt with Git, SVN and HG modules
- [gittify](#) - A colorful Bash prompt + customized Git aliases
- [Gogh - Color Scheme](#) - Color Scheme for Gnome Terminal
- [liquidprompt](#) - A full-featured & carefully designed adaptive prompt for Bash & Zsh
- [mysql-colorize](#) - Colorization for mysql comand-line client
- [oh-my-git](#) - An opinionated git prompt for bash and zsh
- [sexy-bash-prompt](#) - Bash prompt with colors, Git statuses, and Git branches

For Developers

Command-line development, version control, and deployment.

- [bcal](#) - Byte CALculator for storage conversions and calculations
- [bocker](#) - Docker implemented in 100 lines of bash
- [cloc](#) - Count Lines of Code
- [doclt](#) - A command line interface to Digital Ocean
- [dokku](#) - Docker powered mini-Heroku. The smallest PaaS implementation you've ever seen.
- [getopts](#) - CLI parser for fish
- [git-extra-commands](#) - Many Git extra utilities. Churn, cut-branch, improved-merge and many more.
- [git-extras](#) - Git utilities -- repo summary, repl, changelog population, author commit percentages and more
- [git-open](#) - Type `git open` to open the GitHub page or website for a repository in your browser
- [git-semver](#) - Git plugin for easing semantic versioning and changelog validation
- [git-sh](#) - A customized Bash environment suitable for Git work
- [git-up](#) - Automatically rebase incoming changes instead of merging. Be polite!
- [hub](#) - hub helps you win at git.
- [licins](#) - Insert commented software licenses into source code.
- [mr](#) - Multiple Repository management tool
- [overcommit](#) - A fully configurable and extendable Git hook manager
- [pre-commit](#) - A framework for managing and maintaining multi-language pre-commit hooks
- [rebound](#) - Instantly browse Stack Overflow results in your terminal when you get a compiler error
- [repren](#) - Command-line search-and-replace and file-renaming swiss army knife
- [slap](#) - Sublime-like terminal-based text editor that runs on Node.js
- [shipit](#) - Minimalistic SSH deployment
- [starring](#) - Automatically star the npm-packages that you are using on GitHub.
- [tag](#) - Instantly jump to your ag matches.

System Utilities

OS-related tools, including system administration, system debugging, and file and process management.

- [atop](#) - ASCII full-screen performance monitor that is capable of reporting the activity of all processes
- [catcli](#) - The command line catalog tool for your offline data
- [ccat](#) - ccat is the colorizing cat. It works similar to cat but displays content with syntax highlighting.
- [colorex](#) - Displays files or sdtin with pretty colors for matched patterns.
- [progress](#) - Linux tool to show progress for `cp` , `rm` , `dd` , and more...
- [stronghold](#) - Easily configure MacOS security settings from the terminal.
- [glances](#) - Glances an Eye on your system
- [goaccess](#) - GoAccess is a real-time web log analyzer and interactive viewer that runs in a terminal in *nix systems.
- [histstat](#) - History for netstat
- [htop](#) - A ncurses based interactive process viewer which aims to be a better `top`
- [lnav](#) - An advanced log file viewer for the small-scale
- [logdissect](#) - CLI utility and Python API for analyzing log files and other data.
- [ls++](#) - Colorized ls on steroids
- [lsp](#) - An improved `ls` , with file descriptions in plain language and intelligent file grouping
- [mtr](#) - The functionality of the 'traceroute' and 'ping' programs in a single network diagnostic tool.
- [ncdu](#) - NCurses Disk Usage
- [powertop](#) - Battery/Power usage and device stats monitoring command-line tool, with tune-up options.
- [procdog](#) - Lightweight command-line control of long-lived processes like servers
- [quick-secure](#) - Quickly secure and harden UNIX/Linux systems
- [xiringuito](#) - SSH-based "VPN for poors"

Downloading and Serving

Self-hosted, lightweight servers and networking tools written in shell scripts.

- aria2 - aria2 is a lightweight multi-protocol & multi-source, cross platform download utility operated in command-line. It supports HTTP/HTTPS, FTP, BitTorrent and Metalink
- balls - Bash on Balls
- bashttpd - A web server written in Bash
- bitpocket - "DIY Dropbox" or "2-way directory (r)sync with proper deletion"
- Dropbox-Uploader - Dropbox Uploader is a Bash script which can be used to upload, download, list or delete files from Dropbox
- httpie - HTTPie is a command line HTTP client, a user-friendly cURL replacement
- HTTPLab - The interactive web server, let you inspect HTTP requests and forge responses.
- ngincat - Tiny Bash HTTP server using netcat
- resty - Little command line REST client that you can use in pipelines
- youtube-dl - Small command-line program to download videos from YouTube.com and other video sites

Multimedia and File Formats

Tools for handling video and audio files.

- adb-export - Export Android content providers to CSV format
- Android-Kitchen - A text-based kitchen for Android ROM customization. Uses shell scripts and works with Cygwin/OS X/Linux
- Beets - Music library manager and MusicBrainz tagger
- cmus - Cross-platform cli audio player.

- gifgen - Simple high quality GIF encoding
- image-scraper - A cool command line image scraper with a lot of features.
- imgp - Blazing fast batch image resizer and rotator
- jq - Sed for json data. You can use it to slice and filter and map and transform structured data
- mpv - Lets you play most audio and video formats (using ASCII characters) in the shell as well as in a GUI.
- nehm - Console tool, which downloads, sets IDv3 tags and adds to your iTunes (if you use it) your SoundCloud likes in convenient way
- PiCAST - PiCAST turns your $35 Raspberry Pi in to a Chromecast like Device
- sejda - Command line manipulation of PDF documents (split, merge, rotate, convert to jpg, extract text, etc)
- xidel - Cli tool to filter, map and create HTML/XML/JSON data with (Turing-complete) XPath and XQuery.
- xmlstarlet - Old but powerful tool for command-line XML formatting, filtering, and manipulation.
- fx - Command-line JSON processing tool by anonymus JavaScript functions

Applications

Command line-based applications or command line access to existing services.

- ansiweather - Weather in your terminal, with ANSI colors and Unicode symbols
- bashblog - A Bash script that handles blog posting
- choosealicense-cli - Choose an OSS license from the comfort of your terminal
- facebook-cli - Facebook command line tool
- fanyi - Translate English to Chinese in terminal
- gcalcli - Google Calendar command line interface
- geeknote - Command line evernote client
- haxor-news - Browse Hacker News like a haxor

- [hn-cli](#) - Browse Hacker News from the comfort of your Terminal
- [iponmap](#) - Draw point on world map using ip address
- [isitup](#) - Check whether a website is up or down
- [jrnl](#) - A simple command line journal application that stores your journal in a plain text file
- [ledger](#) - Command line accounting
- [licen](#) - Generate your license. Yet another lice, but implement with Jinja2 and docopt
- [moviemon](#) - Everything about your movies within the command line.
- [pockyt](#) - Read, Manage, and Automate your [Pocket](#) collection.
- [pushblast](#) - Get PushBullet notifications when a shell program exits
- [pushbullet-bash](#) - Bash interface to the PushBullet API
- [Reddit Terminal Viewer](#) - Browse Reddit from your terminal
- [SAWS](#) - A Supercharged AWS CLI
- [taskwarrior](#) - A command-line TODO list manager
- [terjira](#) - Command line power tool for Jira
- [transfer.sh](#) — Quickly upload and share files from your shell
- [vl](#) - URL link checker on text documents
- [wego](#) - Weather app for the terminal
- [whereami](#) - Get your geolocation information from the CLI
- [wttr.in](#) - ⛅ The right way to check the weather (curl wttr.in)

Games

All work and no play is a cruddy way to spend your day.

- [bash2048](#) - Bash implementation of 2048 game

- minesweeper - Bash implementation of minesweeper
- nudoku - ncurses based sudoku game written in C
- piu-piu - Horizontal scroller game in bash with multiplayer mode!
- sedtris - Tetris in sed
- sed-scripts - Arkanoid and Sokoban written using sed
- tty-solitaire - Play solitaire in your terminal!

Shell Package Management

Tools for managing multiple shell configurations. For zsh-specific tools, see the Zsh section.

- bash-it - A community Bash framework
- basher - A package manager for shell scripts
- bpkg - JavaScript has npm, Ruby has Gems, Python has pip and now Shell has bpkg
- dotdrop - Save your dotfiles once, deploy them everywhere
- dotfiler – Shell agnostic git based dotfiles package manager, written in Python.
- fresh - Keep your dotfiles fresh
- homeshick - Git dotfile synchronizer written in Bash
- shundle - Plugin manager for shell scripts
- vcsh - Config manager based on Git
- yadm - Git-based dotfiles manager supporting encryption, alternates, and bootstrapping

Shell Script Development

Tools for writing, improving, or organizing Bash or other shell scripts

- ansi - ANSI escape codes in pure bash - change text color, position the cursor, much more
- assert.sh - Bash unit testing framework
- bashful - A collection of libraries to simplify writing Bash scripts
- Bashlets - A modular extensible toolbox for Bash
- bashmanager - mini bash framework for creating command line tools
- bashwithnails - a Bash framework written just for fun with testing, dependency management & packaging
- bash-language-server - LSP-based Bash language server
- bats - Bash Automated Testing System
- crash - Proper error handling, exceptions and try/catch for ZSH
- Fishtape - TAP producer and test harness for fish
- composure - Compose, document, version and organize your shell functions
- dispatch - A command line argument parser in 50 lines of portable shell script.
- is.sh - An alternative for builtin test command, it will make your "if" statements pretty
- lumberjack - A logging interface for shell scripts
- mo - Mustache templates in pure bash
- optparse - A BASH wrapper for getopts, for simple command line arguments.
- rerun - A modular shell automation framework to organize your keeper scripts
- revolver - A reusable progress spinner for shell scripts
- phases - Minimally invasive bash preprocessor, select sections of your script to run
- semver_bash - Semantic Versioning in Bash
- sh-semver - Semver tool for bash - finds versions matching to specified rules
- shellcheck - Static analysis tool for shell scripts
- shellfire - A repository of namespaced, composable shell (bash, sh and dash) function libraries
- shpec - A shell testing framework

- shutit - Automation framework based on bash and pexpect
- sub - A delicious way to organize programs
- ts - A shell test script
- urchin - An idiomatic shell testing framework that uses only shell commands
- shunit2 - A unit test framework for Bash scripts with a flavour of JUnit/PyUnit.
- rebash - Scripting library/framework. Features: imports, exceptions, doc-tests ...
- zunit - A powerful unit testing framework for ZSH

Guides

- Bash Hackers Wiki
- Greg Wooledge's (aka "greycat") wiki. Specifically Bash Guide, Bash FAQ and Bash Pitfalls
- Google's Shell Style Guide
- The Linux Documentation Project: Bash Programming - Intro/How-to
- The Linux Documentation Project: Advanced Bash Scripting Guide
- WikiBooks: Bash Shell Scripting
- Use the Unofficial Bash Strict Mode (Unless You Looove Debugging)
- The Art of Command Line
- Learn Enough Command Line to Be Dangerous
- A guide to learn bash

Other Awesome Lists

Other amazingly awesome lists can be found in awesome-awesome and awesome-awesomeness.

See also

- awesome-cli-apps
- awesome-fish
- awesome-zsh
- terminals-are-sexy

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