

# Shell

## 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](http://Unix-Shell.ZEEF.com).



- [Shells](#)
- [Command-Line Productivity](#)
- [Customization](#)
- [For Developers](#)
- [System Utilities](#)
- [Downloading and Serving](#)
- [Multimedia and File Formats](#)
- [Applications](#)
- [Games](#)
- [Shell Package Management](#)
- [Shell Script Development](#)
- [Guides](#)
- [Awesome Zsh](#) Awesome
- [Awesome Fish](#) Awesome
- [Other Awesome Lists](#)

# Shells

*Choose your base shell.*

- [bash](#) - GNU Project's shell (Bourne Again SHell)
- [elvish](#) - Friendly, expressive shell features like anonymous functions and data structures
- [fish](#) - Smart and user-friendly command line shell
- [ion](#) - A modern system shell that features a simple, yet powerful, syntax. It is written entirely in Rust.
- [ksh93](#) - Korn Shell
- [mksh](#) - MirBSD Korn Shell
- [nushell](#) - A modern shell written in Rust
- [oksh](#) - Portable OpenBSD ksh
- [osh](#) - Bash compatible, with new/modern Unix shell language called Oil
- [pdksh](#) - Public domain Korn shell
- [shell++](#) - Friendly and modern functional and object oriented shell script language
- [shenv](#) - Simple shell version management
- [tcsch](#) - C shell with file name completion and command line editing
- [xiki](#) - Makes the shell console more friendly and powerful
- [xonsh](#) - Python-ish, BASHwards-looking shell language and command prompt
- [yash](#) - A POSIX-compliant command line shell with built-in support for completion and prediction based on command history
- [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 command line
- [borg](#) - A terminal based search engine for bash commands
- [browsh](#) - The modern text-based browser
- [Buku](#) - Powerful command-line bookmark manager
- [byobu](#) - Text-based window manager and terminal multiplexer

- [cod](#) — A completion daemon for shell that learns when you invoke `--help` commands
- [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
- [ddgr](#) - DuckDuckGo from the terminal
- [desk](#) - A lightweight workspace manager for the shell
- [direnv](#) - An environment switcher for the shell, compare with autoenv
- [dnote](#) - A simple command line notebook with multi-device sync and web interface
- [enhanced](#) - ? A next-generation cd command with an interactive filter
- [eureka](#) - ? CLI tool to input and store your ideas without leaving the terminal
- [fasd](#) - Command-line productivity booster, offers quick access to files and directories
- [fd](#) - A simple, fast and user-friendly alternative to find.
- [foxy](#) - Plain text bookmarks for Firefox and surf browsers.
- [fselect](#) - Find files with SQL-like queries.
- [funky](#) - Extends functionality of shell functions making them more powerful and flexible.
- [fz](#) - Seamless fuzzy tab completion for z
- [fzf](#) - A command-line fuzzy finder
- [gitmux](#) - Show Git status in Tmux status bar
- [googler](#) - Google Search, Google Site Search, Google News from the terminal
- [googlr](#) - Command line tool that lets you search Google from your 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.
- [navi](#) - An interactive cheatsheet tool for the command-line
- [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
- [lazy-cd](#) - Simple bash commands for bookmarked navigation of the file system, complete with bash-completion.
- [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)
- [loop](#) - Write and control complex loops with as one-liners
- [marker](#) - Bookmark your shell commands
- [mackup](#) - Keep your application settings in sync (OS X/Linux)
- [mcfly](#) - Fly through your shell history. Great Scot!
- [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.
- [pdd](#) - Tiny date, time diff calculator with timers
- [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
- [resh](#) - Contextual shell history for Zsh and Bash
- [rg](#) - ripgrep is a line oriented search tool that combines the usability of The Silver Searcher with the raw speed of GNU grep
- [screen](#) - GNU terminal multiplexer
- [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](#) - Command line tool to manage snippets of code.
- [sqlline](#) - Shell for issuing SQL to relational databases via JDBC (multiline, completion, highlighting, dialect support)
- [sshfs](#) - A tool for mounting remote file systems over SSH
- [sudocabulary](#) - Learn English Vocabulary from your terminal
- [surfray](#) - browse specific site and search the web from your terminal without browser.
- [task-manager](#) - Execute all your scripts with just two or three keystrokes.
- [td-cli](#) - A todo command line manager to organize and manage your todos across multiple projects.
- [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
- [undollar](#) - undollar bites the dollar sign off the tip of the command you just pasted into your terminal
- [up](#) - Ascend directories by name or count; for bash, zsh, and fish.
- [v](#) - z for vim.
- [wemux](#) - Multi-User Tmux Made Easy
- [xsv](#) - a fast CSV command line toolkit written in Rust
- [xxh](#) - Bring your favorite shell wherever you go through the SSH.
- [z](#) - z is the new j, yo
- [z.lua](#) - A new cd command that helps you navigate faster by learning your habits

# 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
- [geometry](#) - A minimal ZSH theme where any function can be added to the left prompt or (async) right prompt on the fly.
- [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 command-line client
- [oh-my-git](#) - An opinionated git prompt for bash and zsh
- [polyglot](#) - An informative Git prompt that works in bash, zsh, ksh, mksh, pdksh, dash, and busybox sh
- [sexy-bash-prompt](#) - Bash prompt with colors, Git statuses, and Git branches
- [synth-shell](#) - Greeter with a customizable status report and a fancy bash prompt

# For Developers

*Command-line development, version control, and deployment.*

- [ack](#) - A grep-like search tool optimized for source code.
- [add-gitignore](#) - Interactive CLI that generates a .gitignore for your project based on your needs.
- [bcal](#) - Byte CALculator for storage conversions and calculations
- [bitwise](#) - Terminal based interactive bit manipulator in curses.
- [bocker](#) - Docker implemented in 100 lines of bash
- [cloc](#) - Count Lines of Code
- [doctl](#) - A command line interface to Digital Ocean
- [dokku](#) - Docker powered mini-Heroku. The smallest PaaS implementation you've ever seen.
- [fish-getopts](#) - CLI parser for fish
- [forgit](#) - Utility tool for `git` taking advantage of fuzzy finder fzf.
- [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-quick-stats](#) - Git quick statistics is a simple and efficient way to access various statistics in git repository.
- [git-semver](#) - Git plugin for easing semantic versioning and changelog validation

- [git-sh](#) - A customized Bash environment suitable for Git work
- [hub](#) - hub helps you win at git.
- [licins](#) - Insert commented software licenses into source code.
- [mkdkr](#) - Makefile + Docker = CI Pipeline
- [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.
- [wipe-modules](#) - A little agent that removes the node\_modules folder of non-active projects
- [xtm](#) - Command line tool that helps you manage your Xcode project templates.

# 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
- [bat](#) - A `cat` clone with wings
- [bmon](#) - Real-time network bandwidth monitor and rate estimator with human-friendly visual output
- [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.
- [exa](#) - A modern version of `ls`.
- [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.
- [hblock](#) - Hosts-file based adblocker
- [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
- [maza](#) - Local ad blocker. Like Pi-hole but local and using your operating system.
- [mtr](#) - The functionality of the 'traceroute' and 'ping' programs in a single network diagnostic tool.
- [ncdu](#) - NCurses Disk Usage
- [nmtui](#) - Text User Interface for controlling NetworkManager

- [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
- [rng](#) - Copy range of lines from file or stdin to stdout.
- [wifi-wand](#) - a Ruby command line application for managing WiFi on MacOS (install by `gem install wifi-wand`)
- [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
- [bashhub-server](#) - Private cloud shell history. Open source server for bashhub
- [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
- [shell2http](#) - HTTP-server to execute shell commands. Designed for development, prototyping or remote control
- [vesper](#) - ?Vesper is a HTTP framework for Bash/Unix Shell
- [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.
- [fx](#) - Command-line JSON processing tool by anonymus JavaScript functions
- [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
- [jo](#) - A small utility to create JSON objects from command-line arguments.
- [jq](#) - Sed for json data. You can use it to slice and filter and map and transform structured data
- [korkut](#) - Quick and simple image processing at the command line.
- [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.

# Applications

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

- [ansiweather](#) - Weather in your terminal, with ANSI colors and Unicode symbols
- [awless](#) - A powerful, innovative and small surface CLI to manage AWS.
- [bashblog](#) - A Bash script that handles blog posting
- [carbon-now-cli](#) - ? Beautiful images of your code — from right inside your terminal.
- [choosealicense-cli](#) - Choose an OSS license from the comfort of your terminal
- [cointop](#) - The fastest and most interactive terminal based UI application for tracking cryptocurrencies
- [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
- [jrn1](#) - 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
- [md2png](#) - Convert markdown to PNG image
- [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
- [ranger](#) - A console file manager with VI key bindings.



- [Reddit Terminal Viewer](#) - Browse Reddit from your terminal
- [SAWS](#) - A Supercharged AWS CLI
- [taskbook](#) - Tasks, boards & notes for the command-line habitat
- [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
- [whales](#) - A tool to automatically dockerize your applications
- [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
- [SHTAP](#) - Reusable text adventure engine for Bash 4
- [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
- [bashing](#) - Smashing Bash into Pieces
- [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
- [shallow-backup](#) - Easily create lightweight documentation of installed packages, dotfiles, and more
- [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
- [critic.sh](#) - Dead simple testing framework for Bash with coverage reporting
- [esh](#) - A simple templating engine based on shell, implemented in ~290 lines of POSIX shell and awk.
- [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 getopt, 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 Woolledge'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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