

Tmux Basics

Prefix: Ctrl+O

Sessions & Windows:

- Prefix + c — New window
- Option+1-9 — Jump to window
- Prefix + & — Close window
- Prefix + , — Rename window
- Prefix + w — Window list
- Prefix + p/n — Prev/next window

Panes:

- Prefix + | — Vertical split
- Prefix + - — Horizontal split
- Prefix + h/j/k/l — Navigate
- Prefix + H/J/K/L — Resize
- Prefix + x — Close pane
- Prefix + z — Zoom pane
- Prefix + q — Show pane numbers

Copy Mode (vi-style):

- Prefix + [— Enter copy mode
- v — Begin selection
- y — Copy & exit
- Prefix +] — Paste
- / — Search forward
- ? — Search backward

Session Management:

- Prefix + d — Detach
- Prefix + s — Session list
- Prefix + (/) — Prev/next session
- Prefix + \$ — Rename session

Admin:

- Prefix + r — Reload config
- Prefix + ? — List all keybinds
- Prefix + t — Show clock

Neovim: Navigation

Leader: Space

Files & Buffers:

- <leader>ff — Find files
- <leader>fg — Git files
- <leader>fh — Recent files
- <leader>fb — Buffer list
- Shift+H/L — Prev/next buffer
- <leader>bd — Delete buffer
- <leader>bo — Delete other buffers
- <leader>e — Toggle explorer
- <leader>fn — New file

Windows:

- Ctrl+h/j/k/l — Move between
- <leader>- — Split below
- <leader>| — Split right
- <leader>wd — Delete window
- <leader>wm — Maximize window
- Ctrl+arrows — Resize window

Tabs:

- <leader><tab><tab> — New tab
- <leader><tab>d — Close tab
- <leader><tab>[/] — Prev/next tab

Search in File:

- / — Search forward
- ? — Search backward
- n/N — Next/prev match
- */# — Search word at cursor
- <leader>ur — Clear highlights

Editing Basics:

- jj — Exit insert mode
- u — Undo
- Ctrl+r — Redo
- Ctrl+s — Save file

Neovim: LSP & Code

Code Intelligence

Go To:

- gd — Go to definition
- gr — Find references
- gI — Go to implementation
- gy — Go to type def
- gD — Go to declaration
- K — Hover documentation
- gK — Signature help

Actions:

- <leader>ca — Code action
- <leader>cf — Format file/selection
- <leader>cr — Rename symbol
- <leader>cR — Rename file
- <leader>cc — Run codelens

Diagnostics:

-]d / [d — Next/prev diagnostic
-]e / [e — Next/prev error
-]w / [w — Next/prev warning
- <leader>cd — Line diagnostics
- <leader>xx — All diagnostics

Project Search:

- <leader>fs — Live grep
- <leader>fw — Grep word at cursor
- <leader>fd — Document diagnostics
- <leader>fl — Document symbols
- <leader>ss — LSP symbols
- <leader>sS — Workspace symbols
- <leader>sr — Search & replace

Flash (Quick Jump):

- s — Flash forward
- S — Flash TreeSitter
- r — Remote Flash (operator)

Comments:

- gcc — Toggle line comment
- gco — Comment below
- gc0 — Comment above

Shell Essentials

Common Aliases

Navigation:

- .. — Up 1 level
- ... — Up 2 levels
- .3/.4/.5/.6 — Up N levels
- mcd <dir> — Mkdir + cd
- cdf — CD to Finder window

List Files:

- ls — Enhanced (colors, etc)
- lt — Sort by time
- lk — Sort by size
- lx — Sort by extension
- lr — Recursive tree

Files & Archives:

- extract <file> — Unzip any format
- zipf <dir> — Create ZIP
- numFiles — Count files in dir
- ducks — Top 10 largest items

Search & Find:

- ff <name> — Find file by name
- ffs <prefix> — Files starting with
- ffe <suffix> — Files ending with
- ft "text" — Find text in files
- qfind — Quick find

System & Process:

- c — Clear screen
- memHogsTop — Top memory users
- cpuHogs — Top CPU users
- myIP — Show public IP
- myPs — My processes
- tm <proc> — Find process

macOS Specific:

- f — Open Finder here
- ql <file> — Quick Look
- trash <file> — Move to trash
- spotlight <q> — Spotlight search

fzf-lua Preview:

- Ctrl+d/u — Page up/down
- Ctrl+f/b — Half-page scroll

Tmux Advanced Session Management

Command Line:

- `tmux new -s <name>` — New session
- `tmux attach -t <name>` — Attach
- `tmux ls` — List sessions
- `tmux kill-session -t <name>`
- `tmux kill-server` — Kill all

Pane Operations:

- Prefix + {/} — Swap pane left/right
- Prefix + ! — Break pane to window
- Prefix + m — Mark pane
- Prefix + space — Cycle layouts
- `setw synchronize-panes` — Sync

Window Operations:

- Prefix + . — Move window
- Prefix + f — Find window
- Prefix + i — Window info

Scrollbar & History:

- Prefix + PgUp — Enter scroll mode
- q — Exit scroll mode
- g/G — Top/bottom of history

Customization:

- `set -g mouse on` — Mouse support
- `set -g base-index 1` — Start at 1
- `set -g history-limit 10000`

Git Integration Git (LazyVim)

Status & Diff:

- <leader>gs — Git status
- <leader>gd — Diff hunks
- <leader>gD — Diff vs origin

History & Blame:

- <leader>gl — Log (repo root)
- <leader>gL — Log (cwd)
- <leader>gf — File history
- <leader>gb — Blame line

Remote & GitHub:

- <leader>gB — Browse in browser
- <leader>gY — Copy URL
- <leader>gi — GitHub issues (open)
- <leader>gI — GitHub issues (all)
- <leader>gp — GitHub PRs (open)
- <leader>gP — GitHub PRs (all)

Stash:

- <leader>gS — Git stash list

Hunk Navigation:

-]h / [h — Next/prev hunk
- Stage/unstage in status view

Neovim Advanced Power Features

Trouble (Better Lists):

- <leader>xx — All diagnostics
- <leader>xX — Buffer diagnostics
- <leader>cs — Symbols outline
- <leader>cS — LSP references
- <leader>xl — Location list
- <leader>xq — Quickfix list
- [q /]q — Prev/next quickfix

UI Toggles:

- <leader>uf — Auto format
- <leader>uF — Auto format (buffer)
- <leader>us — Spelling
- <leader>uw — Word wrap
- <leader>ul — Line numbers
- <leader>uL — Relative numbers
- <leader>ud — Diagnostics
- <leader>uc — Conceal
- <leader>uh — Inlay hints
- <leader>uT — Treesitter highlight

Sessions:

- <leader>qS — Restore session
- <leader>qL — Restore last
- <leader>qd — Don't save session
- <leader>qS — Select session

Tools & Info:

- <leader>ft — Terminal (root)
- <leader>fT — Terminal (cwd)
- <c-/> — Toggle terminal
- <leader>l — Lazy (plugins)
- <leader>cm — Mason (LSP)
- <leader>cl — LSP info

Search Everything:

- <leader>sh — Help pages
- <leader>sk — Keymaps
- <leader>sc — Commands
- <leader>sa — Autocmds
- <leader>sH — Highlights
- <leader>su — Undo tree
- <leader>s/ — Search history
- <leader>sm — Marks
- <leader>sj — Jumps
- <leader>s" — Registers

Shell Advanced Utilities & Functions

Process Management:

- `memHogsPs` — Memory (ps format)
- `topForever` — Loop top (10s)
- `ttop` — Lightweight top
- `findPid <name>` — Get PID

Network & Connectivity:

- `netCons` — All open sockets
- `lsock` — Open sockets (sudo)
- `lsockU` — UDP sockets only
- `lsockT` — TCP sockets only
- `openPorts` — Listening ports
- `ipInfo0` — en0 interface info
- `ipInfo1` — en1 interface info

macOS Extras:

- `flushDNS` — Clear DNS cache
- `ii` — Display host info
- `showBlocked` — Show blocked IPs
- `DT` — Pipe to Desktop file

Python Development:

- `venv` — Activate `.venv` or `.venv`

Shell Management:

- `showa <pat>` — Search aliases
- `szsh` — Reload `.zshrc`
- `path` — Display PATH dirs

Archive Formats (extract):

- `.tar.bz2` `.tar.gz` `.bz2`
- `.rar.gz` `.tar.tbz2`
- `.tgz` `.zip` `.Z` `.7z`

Surround (mini.surround):

- `gsa` — Add surrounding
- `gsr` — Replace surrounding
- `gsd` — Delete surrounding

Folding:

- `za` — Toggle fold
- `zc/zo` — Close/open fold
- `zM/zR` — Close/open all folds
- `zj/zk` — Next/prev fold