# tmux Terminal multiplexer

Prefix key `Ctrl+b`

## CONCEPTS

Shortcuts marked prefix: press Ctrl+b, release, then press the key.

Sessions keep running after you close the terminal or lose your SSH connection.

**Session** survives detach
- **Window** full-screen tab
  - **Pane** one shell in a split

Inside a nested tmux (e.g. over SSH) press the prefix twice to reach the inner one.

### Target syntax (-t)

| Target | Means |
|---|---|
| `dev` | session dev |
| `dev:2` | window 2 of dev |
| `dev:2.1` | pane 1 of that window |

## SESSIONS

`tmux new -s <name>`
New named session

`tmux ls`
List sessions

`tmux a -t <name>`
Attach to session

`prefix` `d` Detach from session

`prefix` `$` Rename session

`prefix` `s`
Choose session from list

`tmux kill-session -t <name>`
Kill session

`tmux new -As <name>`
Attach, or create if missing

## WINDOWS `prefix +`

`c` Create window

`n` / `p` Next / previous window

`0-9` Jump to window number

`w` Choose window from list

`,` Rename window

`l` Last used window

## WINDOWS (cont.) `prefix +`

`&` Close window

`Tab` / `Shift` + `Tab`
Fast window and session switcher (3.8+)

## PANES `prefix +`

`%` Split left / right

`"` Split top / bottom

`Arrows` Move between panes

`z` Zoom pane (toggle)

`x` Close pane

`o` Cycle to next pane

`!` Break pane into own window

`Ctrl` + `Arrow` Resize pane (hold)

`Space` Cycle pane layouts

`q` Show pane numbers

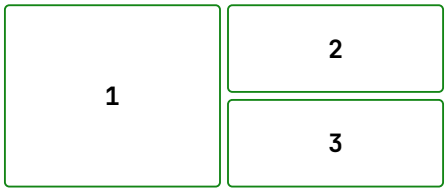
`{` / `}`
Swap pane with prev / next

## PANE TRICKS `prefix +`

`;` Jump to last active pane

`*` New floating pane (3.7+)

`E` Spread panes evenly



prefix % then prefix " in pane 2

## COPY MODE

`prefix` `[`
Enter copy / scroll mode

`q` Quit copy mode

`Space` Start selection (vi)

`Enter`
Copy selection and exit (vi)

`prefix` `]` Paste last buffer

## COPY MODE (cont.)

`/` / `?`
Search forward / backward (vi)

`n` / `N` Next / previous match

Copy mode uses emacs keys by default (vi if $EDITOR or $VISUAL contains vi). Add setw -g mode-keys vi for the vi keys shown here.

### Copy mode keys: emacs vs vi

| Action | emacs | vi |
|---|---|---|
| Select | `Ctrl+Space` | `Space` |
| Copy | `Alt+w` | `Enter` |
| Find down | `Ctrl+s` | `/` |
| Find up | `Ctrl+r` | `?` |
| Top / end | `Alt+< / Alt+>` | `g / G` |
| Quit | `Esc / q` | `q` |

## COMMAND MODE

`prefix` `:`
Open command prompt

`set -g mouse on`
Enable mouse support

`source ~/.tmux.conf`
Reload configuration

`send-keys -t <pane> "cmd" Enter`
Run a command in another pane

## RECIPES

### Starter ~/.tmux.conf

```
# ~/.tmux.conf
set -g mouse on
set -g history-limit 50000
set -g prefix C-a
unbind C-b
bind C-a send-prefix
set -g base-index 1
setw -g pane-base-index 1
set -g renumber-windows on
setw -g mode-keys vi
bind r source-file ~/.tmux.conf \;
display "reloaded"
bind | split-window -h -c
"#{pane_current_path}"
bind - split-window -v -c
"#{pane_current_path}"
```

## HELP

`prefix` `?` List all key bindings

`man tmux`
Full manual