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

Closing the last pane closes its window; closing the last window ends the session.

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

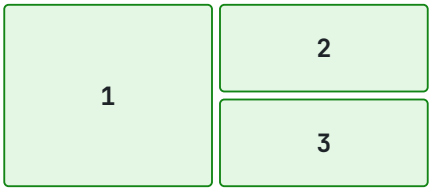
{ / **}**
Swap pane with prev / next

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

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

COPY MODE (cont.)

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}"
```

Run a long job and leave

```
tmux new -s build
make all
# prefix d to detach
tmux a -t build  # back later
```

HELP

prefix **?** List all key bindings

`man tmux`
Full manual