

TMUX QUICK REFERENCE

Sessions, windows, panes, copy mode, configuration

Session Management

Creating & Attaching

```
tmux # new session
tmux new -s work # new named session
tmux attach -t work # attach to session
tmux attach -dt work # detach others, attach
```

Session Commands

```
tmux ls List all sessions
tmux kill-session -t work Kill a named session
tmux kill-server Kill the tmux server and all sessions
tmux rename-session -t old new Rename a session
Prefix d Detach from current session
Prefix $ Rename current session
Prefix s List sessions (interactive)
```

Default prefix is Ctrl-b

Windows

Window Key Bindings

```
Prefix c Create new window
Prefix , Rename current window
Prefix & Close current window (confirm)
Prefix n Next window
Prefix p Previous window
Prefix 0-9 Switch to window by number
Prefix w List windows (interactive picker)
Prefix l Toggle to last active window
```

Window Commands

```
tmux new-window -t work # new window in session
tmux swap-window -t 0 # move window to index 0
tmux move-window -t 3 # renumber to index 3
```

Panes

Splitting & Closing

```
Prefix % Split horizontally (left | right)
Prefix ^ Split vertically (top / bottom)
Prefix x Close current pane (confirm)
Prefix ! Break pane into its own window
Prefix z Toggle pane zoom (full window)
```

Resizing Panes

```
Prefix Ctrl-Arrow Resize by 1 cell
Prefix Alt-Arrow Resize by 5 cells
Prefix Space Cycle through layouts
```

Layouts: even-horizontal, even-vertical, main-horizontal, main-vertical, tiled

Navigation

Moving Between Panes

```
Prefix Arrow Move to pane in direction
Prefix o Cycle to next pane
Prefix q Show pane numbers, then press number to jump
Prefix { Swap pane with previous
Prefix } Swap pane with next
```

Moving Between Sessions

```
Prefix ( Switch to previous session
Prefix ) Switch to next session
Prefix s Session picker (tree view)
Prefix w Window picker across all sessions
```

Copy Mode

Entering & Navigating

```
Prefix [ Enter copy mode
q Exit copy mode
Arrow / hjkl Move cursor (vi mode)
Ctrl-u / Ctrl-d Page up / page down
g / G Jump to top / bottom
/ Search forward
? Search backward
n / N Next / previous search match
```

Selecting & Copying

```
Space Start selection (vi mode)
Enter Copy selection and exit
Prefix ] Paste buffer
v Toggle rectangle selection (vi mode)
```

Enable vi mode: set -g mode-keys vi

Configuration

Common Settings (~/.tmux.conf)

```
set -g mouse on # enable mouse
set -g base-index 1 # windows start at 1
set -g renumber-windows on # renumber on close
set -g default-terminal "tmux-256color"
set -g history-limit 50000
```

Reload Config

```
tmux source-file ~/.tmux.conf # from shell
# or Prefix ; then type:
source-file ~/.tmux.conf
```

Status Bar

Status Bar Options

```
set -g status-position top
set -g status-style "bg=black,fg=white"
set -g status-left "[#]"
set -g status-right "%H:%M %d-%b"
set -g status-interval 5
```

Format Variables

```
#S Session name
#I Window index
#W Window name
```

```
#P Pane index
#H Hostname
#T Pane title
```

Key Bindings

Custom Bindings

```
# change prefix to Ctrl-a
unbind C-b
set -g prefix C-a
bind C-a send-prefix
# vim-style pane navigation
bind h select-pane -L
bind j select-pane -D
bind k select-pane -U
bind l select-pane -R
```

Binding Syntax

```
bind X command Bind Prefix + X to command
bind -n M-Left prev Bind without prefix (Alt-Left)
bind -r H resize-pane -L 5 Repeatable binding
unbind X Remove a binding
Prefix ? List all current key bindings
```

Scripting

Scripted Layouts

```
tmux new-session -d -s dev
tmux send-keys -t dev "vim" Enter
tmux split-window -h -t dev
tmux send-keys -t dev "npm run dev" Enter
tmux attach -t dev
```

Useful Commands

```
tmux send-keys -t sess 'cmd' Enter Send keystrokes to a session
tmux capture-pane -p Print pane contents to stdout
tmux display-message '#S' Show a message / variable
tmux set-environment -g VAR val Set an environment variable
tmux list-keys List all key bindings
```

Common Patterns

Recommended ~/.tmux.conf

```
set -g mouse on
set -g base-index 1
set -g mode-keys vi
set -g status-position top
set -g history-limit 50000
bind | split-window -h -c "#{pane_current_path}"
bind - split-window -v -c "#{pane_current_path}"
```

Quick Recipes

```
Survive SSH disconnect `tmux new -s work` → disconnect →
`tmux attach -t work`
Share session Both users `tmux attach -t same`
(read-only: `r`)
Save scrollbar tmux capture-pane -S -3000 -p >
log.txt
Kill stuck pane Prefix x, or `tmux kill-pane -t %N`
Reorder windows `:swap-window -s 3 t 1`
```