

Conventions

↑, ↓, ←, →	Up, Down, Left, Right
↵, ⌘, ⇧	Alt, Ctrl, Shift
a, b, c, <key>	a, b, and c keys, etc.
[Home], [Insert], [<Key>]	Home, Insert keys, etc.
{ [L]}	Click left key of mouse
{ [R]}	Click right key of mouse
*, **	Additional information in note area

This cheat sheet comes from *man tmux*.

See Tmux on Github

Help

?	List all key bindings
:list-keys	
:	Start command prompt

Default <prefix>: ⌘ + b

Prefix key table

Following sheets show shortcuts and commands under key table of default prefix.

```
set-option -g prefix " C-b "
set-option -g prefix2 " <your prefix >"
```

Buffer

#	List the global buffers
-	Delete the most <i>recently added</i> buffer
=	Start buffer mode (as a pane) for choosing one
]	Insert the content of <i>current buffer</i>

Pane

x	Kill pane ✕
:kill-pane	
:	Focus at Last one
:last-pane	
o	Focus at Next one
:select t-pane -t :.+	
↑, ↓, ←, →	Focus at Up, Down, Left, Right one
:select t-pane -U/-D/-L/-R	
!	Move this pane to new window
:break -pane	
{	Swap position with <i>previous pane</i>
:swap-pane -U	
}	Swap position with <i>next pane</i>
:swap-pane -D	
↵ + 1	Spread out evenly(from left to right) ☐
:select t-l aout even-h ori zo nta	
↵ + 2	Spread out evenly(from top to bottom)
:select t-l aout even-v ertica l	
↵ + 3	1. <i>Large pane</i> is on the top 2. <i>Rest panes</i> are spread on bottom (from left to right)
:select t-l aout main-h ori zo nta	
↵ + 4	1. <i>Large pane</i> is on the left 2. <i>Rest panes</i> are spread on right (from top to bottom)
:select t-l aout main-v ertica l	
↵ + 5	Spread out as evenly as possible(rows and columns) ☐☐
:select t-l aout tiled	
q	Display <i>indicators</i> (as number) of panes
:display-panes	
m	Mark pane
:select t-pane -m	
M	Clear mark of pane
:select t-pane -M	



☐ Pane (cont)

↶ + ↑, ↓, ↷, ↵, → **Resize pane by 5 lines**
 :resiz e-pane -U/-D/ -L/-R *Up, Down, Left, Right*
 5

^ + ↑, ↓, ↵, → **Resize pane by 1 line**
 :resiz e-pane -U/-D/ -L/-R *Up, Down, Left, Right*

z **Resize pane to Maximum/Normal size**
 :resiz e-pane -Z

☐ Window

& **Kill window ✕**
 :kill- window

, **Rename window(prompt)**
 :renam e-w indow

. **Move window(prompt)**
 :move- window

[0-9] **Select <N> window**
 :selec t-w indow -t :=<
 N>

' **Select <N> window(prompt)**
 :selec t-w indow -t :%'

l **Select last window**
 :last- window

p **Select previous window**
 :previ ous -window

f **Search for the *fnmatch(3)* pattern**
 :find- window
 in
 window names, titles, and visible
 content

" **Split window vertically**
 :split -window

% **Split window horizontally**
 :split -window -h

^ + o **Rotate panes in window**
 :rotat e-w indow

☒ Client

d **Detach client**
 :detac h-c lient

r **Refresh current client**
 :refre sh- client

^ + z **Suspend client**
 :suspe nd- client

i **Display info of current pane ⓘ**
 :displ ay- message

- **Show client messages**
 :show- mes sages

L **Switch the current session for client to**
 :switc h-c lient - **Last one**
 l

(**Switch the current session for client to**
 :switc h-c lient - **Previous one**
 P

) **Switch the current session for client to**
 :switc h-c lient - **Next one**
 n

t **Display a large clock 🕒**
 ":clock-mode"

☉ Session

\$ **Rename session**
 :renam e-s ession(prompt)

☰ :choose-buffer

[Up], [Down] **Select previous/next buffer**

[Enter] **Choose selected buffer**

^ + s **Search by name**

n **Repeat last search**

t **Toggle if buffer is tagged**

^ + t **Tag all buffers**

T **Tag no buffers**

d, D **Delete selected/tagged buffers**



:choose-buffer (cont)

f	Enter a format to filter items
O	Change sort order
v	Toggle preview
q	Exit mode

:choose-client

[Up], [Down]	Select previous/next client
[Enter]	Choose selected client
v	Toggle preview
^ + s	Search by name
n	Repeat last search
t	Toggle if <i>client is tagged</i>
^ + t	Tag all clients
T	Tag no clients
d, D	Detach selected/tagged clients
x, X	Detach and HUP selected/tagged client
z, Z	Suspend selected/tagged clients
f	Enter a format to filter items
O	Change sort order
q	Exit mode

:choose-tree

[Up], [Down]	Select previous/next item
[<], [>]	<i>Scroll</i> list of previews left/right
[Enter]	Choose selected item
^ + s	Search by name
n	Repeat last search
t	Toggle if <i>item is tagged</i>
^ + t	Tag all items
T	Tag no items
:	Run a command for each <i>tagged item</i>
f	Enter a format to filter items
O	Change sort order
v	Toggle preview
q	Exit mode

Copy Mode

[Start copy mode
[PageUp]	Start copy mode and <i>scroll one page up</i>
q	Quit copy mode
^ + c	

Vi Copy Mode

Following sheets show keys in **Vi edit mode**

set-wi ndo w-o ption mode-keys vi

<N> - As key **0-9** for times of repeating the shortcuts

E.g.: " 5j " - Move the cursor for left by **5 times**

<ch> - Any printable character

<wo rd> - Continuous characters of [_ 0-9a -zA-Z]

<WO RD> - Continuous non-blank characters

#line - As integer value for line number. E.g.: " 13 "

Copy/Selection

[Space] Begin selection

v, V Rectangle/Line-wise selection

o Switch other end in *selected area*

[Enter] Copy selection *

^ + j

A Append selection to copied buffer *

D Copy to end of line(from current position) *

[Esc] Clear selection

* - Will *quit the copy mode* after the action

Q Search

/, ? Start Search <te xt> forward/backward

n, N <N> Search next/reverse

Cursor

<N> Move cursor for:
k, j, h, l Up, Down, Left, Right

↑, ↓, ←, →

^ + h Left

[Backspace]

Move cursor to(current line):

^ First non-blank char

0 First char

\$ Last char

Cursor (cont)

<N> Move cursor to(current line):

f<ch>, t<ch> Next <ch>|T <ch>

F<ch>, T<ch> Previous <ch>/<ch>T

;, ; <N> Repeat the latest " f/t <ch >" in *same/opposite* direction

<N> Move cursor to:

w, W Next *beginning* of <wo rd> /<W ORD>

e, E Next *end* of <wo rd> /<W ORD>

b, B Previous *beginning* of <wo rd> /<W ORD>

{, } Previous/Next paragraph

<N> Move cursor to(current screen):

H Top(Head)

M Middle

L Bottom(Low)

Screen Scroll

^ + b, ^ + f <N> Page Up/Down

[PageUp], [PageDown]

^ + d, ^ + u <N> Half Page Up/Down

^ + ↑, ^ + ↓

^ + y <N> One line Up

^ + ↑

^ + e <N> One line Down

^ + ↓

: #line Goto "#line" line ↓₁

g Top of history

G Bottom of history



Emacs Copy Mode

Following sheets show keys in **Emacs edit mode**

set-window-width option mode-keys emacs

Cancel mode: [Esc]

<N> - As key "**↩ + 0-9**" for times of repeating the shortcuts

E.g.: "**↩+5 ↵+b**" - Move the cursor for left by **5 times**

<ch> - Any printable character

#line - As integer value for line number. E.g.: " 13"

Copy/Selection

↵ + [Space] Begin selection

↵ + w Copy selection *

↩ + w

↵ + k Copy to end of line(from current position) *

↵ + g Clear selection

* - Will *quit the copy mode* after the action

Q Search

↵ + r, ↵ + s Start Search <te xt> backward/forward

R Rectangle selection

n, N <N> Search next/reverse

Cursor

<N> Move cursor for:

↵ + p, ↵ + n Up, Down

↑, ↓

↵ + b, ↵ + f Left, Right

←, →

Move cursor to(current line):

↩ + m First non-blank char

↵ + a First char

[Home]

↵ + e Last char

[End]

<N> Move cursor to(current line):

f<ch>, t<ch> Next <ch>/**⏎** <ch>

F<ch>, T<ch> Previous <ch>/<ch>**⏎**

Cursor (cont)

;; <N> Repeat the latest " f/t <ch >" in **same/opposite** direction

<N> Move cursor to:

↩ + f Next end of <wo rd>

↩ + b Previous <wo rd>

↩ + {, ↩ + } Next/Previous paragraph

<N> Move cursor to(current screen):

↩ + R, ↩ + r Top/Middle

Screen Scroll

[PageUp] <N> Page up

↩ + v

[Space] <N> Page down

[PageDown]

↵ + v

↩ + ↑, ↩ + ↓ <N> Half Page Up/Down

↵ + ↑, ↵ + ↓ <N> One line Up/Down

g #line Goto "#line" line **↓₁**

↩ + < Top of history

↩ + > Bottom of history



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Target pane

`<se ssi on> :<w ind ow>.<p ane>` Full name

Special token:

`! ({last})` Last pane
`+ ({next})` Next window
`- ({previous})` Previous window

Offset

`+<N>, -<N>` Next/Previous offsets of pane

tokens(relative position):

`{up-of}` Above
`{down-of}` Below
`{left-of}` to the Left
`{right-of}` to the Right
of the *current pane*

tokens(absolute position):

`{top}` The top
`{bottom}` The bottom
`{left}` The leftmost
`{right}` The rightmost
`{top-left}` The top-left
`{top-right}` The top-right
`{bottom-left}` The bottom-left
`{bottom-right}` The bottom-right
pane

Target window

`<se ssi on> :<w ind ow>` Full name

1. As a special token:

`^ ({start})` Lowest-Numbered window
`$ ({end})` Highest-Numbered window
`! ({last})` Last window
`+ ({next})` Next window
`- ({previous})` Previous window

2. A window index `"session1:0", "session1:1"`

3. A Window ID(prefixed with @) `"@1", "@2"`

4. An exact window name `"session2:help", "session2:devs-1"`

Target window (cont)

5. The start of a window name `"session3:he", "session3:devs"`

6. As an `fnmatch(3)` pattern for matching the window name `"session4:he*", "session4:devs-?"`

`:list- windows (lsw)` List windows

`".<target-window>", ":<target-window>", "<target-window>"` uses current session

Target session

1. A session ID(prefixed with \$) `"$0", "$1", "$2"`

2. An exact name `"Work", "Monitor-S1", "Monitor-S2"`

3. The start of session name `"Wd", "Monitor"`

4. An `fnmatch(3)` pattern for matching session name `"Monitor*", "Monitor-S?"`

Exact matching by prefixed with = `"=Work", "=Monitor-S2"`

`:list- sessions (ls)` List all sessions

`:has-session -t <target-session> (has)` Checks if a session is existing

Target client

Name is normally as `pty(7)` file `"/dev/pty0", "/dev/pts/1"`

`:list- clients (:lsc)` List clients



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