Cheatography

Tmux Cheat Sheet

by Mike Lue (Mike Lue) via cheatography.com/88393/cs/20280/

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
*, **	Additionl infomration in note area

This cheat sheet comes from `man tmux`.

See Tmux on Github

Help

? `:list-keys`	**List** all key bindings
:	**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- buffer`	**List** the global buffers
- `:delet e-b uff er`	**Delete** the most *recently added* buffer
= `:choos e-b uff er`	Start **buffer mode**(as a pane) for choosing one
] `:paste -buffer`	**Insert** the content of *current buffer*

Pane

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

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Pane (cont)

⮌ + ↑, ↓, ←, → `:resiz e-pane -U/-D/ -L/-R 5`	**Resize** pane by *5 lines* *Up, Down, Left, Right*
^ + ↑, ↓, ←, → `:resiz e-pane -U/-D/ -L/-R`	**Resize** pane by *1 lines* *Up, Down, Left, Right*
z `:resiz e-pane -Z`	*Resize* pane to **Maximum/Normal** size

Window

& `:kill- window`	**Kill** window ✖
, `:renam e-w indow`	**Rename** window(prompt)
. `:move- window`	**Move** window(prompt)
[0-9] `:selec t-w indow -t :=<N>`	*Select* **<N>** window
' `:selec t-w indow -t :%%`	*Select* **<N>** window(prompt)
l `:last- window`	*Select* **last** window
p `:previ ous -window`	*Select* **previous** window
f `:find- window`	**Search** for the *fnmatch(3) pattern* in window names, titles, and visible content
" `:split -window`	**Split** window *vertically*
% `:split -window -h`	**Split** window *horizontally*
^ + o `:rotat e-w indow`	**Rotate panes** in window

Client

d `:detac h-c lient`	**Detach** client
r `:refre sh- client`	**Refresh** current client
^ + z `:suspe nd- client`	**Suspend** client
i `:displ ay- message`	**Display** info of current pane ℹ
- `:show- mes sages`	**Show** client messages
L `:switc h-c lient -l`	**Switch** the current session for client to ***Last one***
(`:switc h-c lient -p`	**Switch** the current session for client to ***Previous one***
) `:switc h-c lient -n`	**Switch** the current session for client to ***Next one***
t ":clock-mode"	**Display** a *large clock* 🕘

Session

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

: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

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: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 *client is tagged*
^ + 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
[<], [>]	*Scroll* list of previews **left/right**
[Enter]	**Choose** selected item
^ + s	**Search** by name
n	**Repeat** last search
t	**Toggle** if *item is tagged*
^ + t	Tag **all** items
T	Tag **no** items
:	**Run** a command for each *tagged item*
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 ***scroll one page up***
q ^ + c	**Quit** copy mode

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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] **^ + j**	**Copy selection** *
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

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** **[PageUp]**, **[PageDown]**	*<N> Page* **Up/Down**
^ + d, **^ + u** **^ + ↑**, **^ + ↓**	*<N> Half Page* **Up/Down**
^ + y **^ + ↑**	*<N> One line* **Up**
^ + e **^ + ↓**	*<N> One line* **Down**
: *#line*	**Goto** *"#line"* line
g	**Top** of *history*
G	**Bottom** of *history*

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Emacs Copy Mode

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

`set-wi ndo w-o ption 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 **⎇ + w**	**Copy selection** ✱
⌃ + k	**Copy to end of line**(from current position) ✱
⌃ + g	**Clear** selection

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

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 **[Home]**	**First char**
⌃ + e **[End]**	**Last char**
	<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] **⎇ + v**	*<N>* Page **up**
[Space] **[PageDown]** **⌃ + v**	*<N>* Page **down**
⎇ + ↑, **⎇ + ↓**	*<N> Half Page* **Up/Down**
⌃ + ↑, **⌃ + ↓**	*<N> One line* **Up/Down**
g *#line*	**Goto** *"#line"* line
⎇ + <	**Top** of *history*
⎇ + >	**Bottom** of *history*

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Target pane

`<se ssi on> :<w ind ow>.<p ane>`	**Full name**
Specical **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 specical **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*", "*sessio-n3:devs*"
6. As an fnmatch(3) **pattern** for matching the window name	"*session4:he**", "*sessio-n4: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	"*Wo*", "*Monitor*"
4. An *fnmatch(3)* pattern for matching session name	"*Monitor**", "*Monitor-S?*"
Exact matching by prefixed with `=`	"*=Work*", "*=Monitor-S2*"
`:list- ses sions` (*`ls`*)	**List** all sessions
`:has-s ession -t <ta rge t-s ess ion>` (*`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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