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MohamedAlaa / **tmux-cheatsheet.markdown**

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tmux shortcuts & cheatsheet

 **tmux-cheatsheet.markdown**

tmux shortcuts & cheatsheet

start new:

```
tmux
```

start new with session name:

```
tmux new -s myname
```

attach:

```
tmux a # (or at, or attach)
```

attach to named:

```
tmux a -t myname
```

list sessions:

```
tmux ls
```

kill session:

```
tmux kill-session -t myname
```

Kill all the tmux sessions:

```
tmux ls | grep : | cut -d. -f1 | awk '{print substr($1, 0, length($1)-1)}' | xargs kill
```

In tmux, hit the prefix `ctrl+b` (my modified prefix is `ctrl+a`) and then:

Sessions

```
:new<CR> new session  
s list sessions  
$ name session
```

Windows (tabs)

```
c  create window
w  list windows
n  next window
p  previous window
f  find window
,  name window
&  kill window
```

Panes (splits)

```
%  vertical split
"  horizontal split

o  swap panes
q  show pane numbers
x  kill pane
+  break pane into window (e.g. to select text by mouse to copy)
-  restore pane from window
␣  space - toggle between layouts
<prefix> q (Show pane numbers, when the numbers show up type the key to goto that pane)
<prefix> { (Move the current pane left)
<prefix> } (Move the current pane right)
<prefix> z toggle pane zoom
```

Sync Panes

You can do this by switching to the appropriate window, typing your Tmux prefix (commonly Ctrl-B or Ctrl-A) and then a colon to bring up a Tmux command line, and typing:

```
:setw synchronize-panes
```

You can optionally add on or off to specify which state you want; otherwise the option is simply toggled. This option is specific to one window, so it won't change the way your other sessions or windows operate. When you're done, toggle it off again by repeating the command. [tip source](#)

Resizing Panes

You can also resize panes if you don't like the layout defaults. I personally rarely need to do this, though it's handy to know how. Here is the basic syntax to resize panes:

```
PREFIX : resize-pane -D (Resizes the current pane down)
PREFIX : resize-pane -U (Resizes the current pane upward)
PREFIX : resize-pane -L (Resizes the current pane left)
PREFIX : resize-pane -R (Resizes the current pane right)
PREFIX : resize-pane -D 20 (Resizes the current pane down by 20 cells)
PREFIX : resize-pane -U 20 (Resizes the current pane upward by 20 cells)
PREFIX : resize-pane -L 20 (Resizes the current pane left by 20 cells)
PREFIX : resize-pane -R 20 (Resizes the current pane right by 20 cells)
PREFIX : resize-pane -t 2 20 (Resizes the pane with the id of 2 down by 20 cells)
PREFIX : resize-pane -t -L 20 (Resizes the pane with the id of 2 left by 20 cells)
```

Copy mode:

Pressing PREFIX [places us in Copy mode. We can then use our movement keys to move our cursor around the screen. By default, the arrow keys work. we set our configuration file to use Vim keys for moving between windows and resizing panes so we wouldn't have to take our hands off the home row. tmux has a vi mode for working with the buffer as well. To enable it, add this line to .tmux.conf:

```
setw -g mode-keys vi
```

With this option set, we can use h, j, k, and l to move around our buffer.

To get out of Copy mode, we just press the ENTER key. Moving around one character at a time isn't very efficient. Since we enabled vi mode, we can also use some other visible shortcuts to move around the buffer.

For example, we can use "w" to jump to the next word and "b" to jump back one word. And we can use "f", followed by any character, to jump to that character on the same line, and "F" to jump backwards on the line.

Function	vi	emacs
Back to indentation	^	M-m
Clear selection	Escape	C-g
Copy selection	Enter	M-w
Cursor down	j	Down
Cursor left	h	Left
Cursor right	l	Right
Cursor to bottom line	L	
Cursor to middle line	M	M-r
Cursor to top line	H	M-R
Cursor up	k	Up
Delete entire line	d	C-u
Delete to end of line	D	C-k
End of line	\$	C-e
Goto line	:	g
Half page down	C-d	M-Down
Half page up	C-u	M-Up
Next page	C-f	Page down
Next word	w	M-f
Paste buffer	p	C-y
Previous page	C-b	Page up
Previous word	b	M-b
Quit mode	q	Escape
Scroll down	C-Down or J	C-Down
Scroll up	C-Up or K	C-Up
Search again	n	n
Search backward	?	C-r
Search forward	/	C-s
Start of line	0	C-a
Start selection	Space	C-Space
Transpose chars		C-t

Misc

```
d detach
t big clock
? list shortcuts
: prompt
```

Configurations Options:

```
# Mouse support - set to on if you want to use the mouse
* setw -g mode-mouse off
* set -g mouse-select-pane off
* set -g mouse-resize-pane off
* set -g mouse-select-window off

# Set the default terminal mode to 256color mode
set -g default-terminal "screen-256color"

# enable activity alerts
setw -g monitor-activity on
set -g visual-activity on

# Center the window list
set -g status-justify centre

# Maximize and restore a pane
unbind Up bind Up new-window -d -n tmp \; swap-pane -s tmp.1 \; select-window -t tmp
unbind Down
bind Down last-window \; swap-pane -s tmp.1 \; kill-window -t tmp
```

Resources:

- [tmux: Productive Mouse-Free Development](#)
- [How to reorder windows](#)

Notes:

-

Changelog:

- 1411143833002 - Added [toggle zoom](#) under Panes (splits) section.
- 1411143833002 - [Added Sync Panes](#)
- 1414276652677 - [Added Kill all tmux sessions](#)
- 1438585211173 - corrected create and add next and previus thanks to [@justinhendrick](#)

Request an Update:

We Noticed that our Cheatsheet is growing and people are coloberating to add new tips and tricks, so please tweet to me what would you like to add and let's make it better!

- Twitter: [@MohammedAlaa](#)



ravoori commented on Apr 18, 2013

Under the Panes section, shouldn't the 'o' key correspond to switch panes and not swap panes?



goatfig commented on Apr 20, 2013

% is vertical split
" is horizontal

Great cheatsheet!!!



ehellman commented on Apr 22, 2013

I still don't understand how to resize panes. The default prefix is C-b, then what?

" PREFIX : resize-pane -R (Resizes the current pane right) ", I don't get it. Can anyone help? :)



nickdtodd commented on Apr 24, 2013

[@ehellman](#) This confused me too. You need to do C-b then a colon. This will bring up a bar where you can write resize-panes with whatever flags you want. Good luck!



rawzone commented on Jul 2, 2013

In tmux-1.8 C-b z does a zoom/maximize of active pane (kind of like your Maximize and restore a pane thingy, i guess).



MohamedAlaa commented on Aug 11, 2013

Owner

[@goatfig](#) Thanks for the comment I fixed the the pane horizontal and vertical shortcuts

3/27/2016



MohamedAlaa commented on Aug 11, 2013

Owner

@ehellman as @nickdtodd explained the "PREFIX" is `ctrl+b` or depending on your tmux configurations i personally changed my prefix to be `ctrl+a` much faster :)



todgru commented on Aug 16, 2013

Reload the tmux config file from shell:

```
$ tmux source-file ~/.tmux.conf
```

Or from tmux command line:

```
:source-file ~/.tmux.conf
```



Atcold commented on Nov 22, 2013

Awesome! Thanks indeed for these tips!



anthonybrown commented on Dec 9, 2013

Nice!



bernardr commented on Dec 29, 2013

Awesome! Thanks!



MohamedAlaa commented on Jan 1, 2014

Owner

@todgru I personally have in my `.tmux.conf`

```
unbind r
bind r source-file ~/.tmux.conf; display "Reloaded"
```

this way when i use the `PREFIX + r` it loads



joestringer commented on Feb 7, 2014

Resizing down seems to require the "-D" option for me (tmux-1.6):

```
PREFIX : resize-pane -D 20 (Resizes the current pane down by 20 cells)
```



kocsenc commented on Feb 10, 2014

Use it every day. Amazing Cheatsheet



jtanmay commented on Mar 14, 2014

thanks! helped a lot :)



tdoumas commented on Mar 21, 2014

Thank you! Very useful

3/27/2016

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bradleyankrom commented on Jun 2, 2014

Looks like the cheat sheet link is dead :(<http://cheat.errtheblog.com/s/tmux/>



MohamedAlaa commented on Jun 4, 2014

Owner

thanks @bradleyankrom I removed the link to the cheat :)



i90rr commented on Jun 21, 2014

Running tmux 1.8, same behaviour as described by @joestringer:
"Resizing down seems to require the "-D" option for me"

Btw, nice list to have at hand :)



benoptimus commented on Jul 8, 2014

thank you for sharing this, very useful!! 👍



rushigr commented on Jul 12, 2014

Thanks. Useful. 👍



gavsim commented on Jul 14, 2014

Very useful, greatly appreciated.



giangnguyennet commented on Jul 19, 2014

It's strange I can't resize the panes in tmux. For example to resize left a pane, I tried:

```
^b ^h
^b alt-<arrow-left>
^b ^<arrow-left>
```

This works

```
^b : resize-pane -L
```

but I prefer a shortcut to having to type too much.

Any ideas?

ps: I don't have ~/.tmux.conf file



fkenji commented on Aug 12, 2014

@ndgiang84 If you are on MacOS you can try this out: <http://superuser.com/questions/660013/resizing-pane-is-not-working-for-tmux-on-mac>



hienvd commented on Aug 12, 2014

Thank for your tips.

Btw, how can I change the default PREFIX (CTRL+B) to another key?



Drive137 commented on Aug 13, 2014

@hienvd you can I do

set-option -g prefix C-a
 unbind C-b
 bind-key C-a send prefix
 in the tmux.config
 source - <http://robots.thoughtbot.com/a-tmux-crash-course>



tooreht commented on Aug 18, 2014

Thank you for this awesome cheatsheet!

What about adding [@rawzone](#)'s zoom command to the Panes section?

z toggle (zoom) active pane to full terminal size



MohamedAlaa commented on Sep 19, 2014

Owner

Updated The following

- Added the toggle zoom command
- Added The Sync Panes trick

You ask for updated by sending me a tweet [@MohammedAlaa](#)



MohamedAlaa commented on Oct 26, 2014

Owner

Updated The following

- Added kill all tmux sessions

You ask for updated by sending me a tweet [@MohammedAlaa](#)



MrWonderful commented on Oct 28, 2014

I had a problem running your kill-all command as an alias, but I found this one worked well for me:

```
alias tmkill='while [ $? -ne 1 ]; do tmux kill-session; done'
```



quizzmaster commented on Nov 5, 2014

To resize a pane down:

PREFIX : resize-pane -D 20 (Resizes the current pane down by 20 cells)



shrop commented on Dec 8, 2014

Best cheat sheet for tmux I have seen. Posted on <http://shelldevel.net/post/104491784292/mohamedalaa-tmux-cheatsheet-markdown>



wbinns commented on Jan 10, 2015

Thanks for putting this together. :)



nootaf commented on Jan 17, 2015

Show a list of the messages tmux displayed in the lower bar:

prefix + ~



jacktasia commented on Feb 19, 2015

[@MohamedAlaa](#) I believe [@ravoori](#) is correct. It should be like this instead:

Panes (splits)

```
o    switch to next pane
C-o  swap panes
```

It's easy to confuse these because if you accidentally keep holding control down from doing your prefix then you'll be doing swap instead of next.



rakgenius commented on Feb 24, 2015

I have problem switching between last used session. C-a L switches to last used window rather than last used session which is the same as C-a I. Is there a way to switch to last used session?



bobeirasa commented on Apr 19, 2015

I'm laughing for myself about the mouse support, like a children with a new lollipop, I just can't believe how AWESOME it is.



nladd commented on May 8, 2015

Thanks! Exactly what I needed



LukasMac commented on May 16, 2015

When in copy mode I find `Shift + j` and `Shift + k` very usefull: text scrolls up/down while maintaining cursor position



VladSem commented on May 23, 2015

just type in terminal `man tmux`



zaynetro commented on Jul 16, 2015

Can anyone tell me how to edit current command in tmux? I use vi bindings and want to be able to edit the command I am currently specifying.



thuannvn commented on Jul 20, 2015

tnks



justinjhendrick commented on Jul 29, 2015

Consider these edits? <https://gist.github.com/justinjhendrick/51dcf569322675ceeacf>

I changed "new window" to "create window", so that it's easier to remember.
I added "next window" and "previous window".



grahamg commented on Aug 3, 2015

Thanks for this great reference sheet Mohamed!



johnsmith commented on Sep 15, 2015

Great cheat sheet, something is missing...

"we set our configuration file to use Vim keys for moving between windows and resizing panes so we wouldn't have to take our hands off the home row"

Can you add that?



fuzzyweapon commented on Sep 17, 2015

One thing you could do to support the growing collaboration is make this a repo instead of a gist.
This `/will/` backfire for people who use gist ide plugins and tools to quickly access documentation (aka, use gists as a personal documentation platform), but you could easily setup a CI workflow based on webhooks that publishes to the gist when a PR is merged into the repo.

Then people can do PRs, submit requests via issues, report outdated information via issues, etc, however you wanted to handle it.



chenqing commented on Sep 17, 2015

so nice



ttpears commented on Oct 20, 2015

The kill all sessions didn't work for me, this does:
for sess in \$(tmux ls | awk '{FS=":" ; print \$1}' | sed 's/:/g') ; do tmux kill-session -t \$sess ; done



retraut commented on Oct 22, 2015

Thx for that



gusgard commented on Nov 4, 2015

In Configurations Options. Tmux 2.1 dont support

- `setw -g mode-mouse off`
- `set -g mouse-select-pane off`
- `set -g mouse-resize-pane off`
- `set -g mouse-select-window off`

instead use:

`*set -g mouse on`



Enverex commented on Nov 13, 2015

Creating a new pane is quite possibly one of the most important controls but I don't see the key commands to do it here?



ChiChou commented on Nov 15, 2015

@Enverex did you mean splitting current window into multiple panes? See *Panes (splits)*



dragon788 commented on Nov 19, 2015

@MohamedAlaa This sounds like a great set of exercises for shortcutfoo.com's tmux setup. Now that you can create your own exercises I may have to work off this list to expand my knowledge.



AbhimanyuAryan commented on Nov 23, 2015

Thanks.



dautovri commented on Dec 23, 2015

Thank you!

2/27/2016

tmux shortcuts & cheatsheet - GitHub



Ryan4021 commented on Dec 30, 2015

This is great, thanks!



marzk commented on Jan 13

+ break pane into window (e.g. to select text by mouse to copy) is error.

```
! Break the current pane out of the window.  
tmux
```



FrozenBeard commented on Jan 26

I found this out by mistake, but doing CTRL+D during a tmux session kills it (Very helpful!)



tiborsimon commented on Feb 1

```
PREFIX : resize-pane -t -L 20 (Resizes the pane with the id of 2 left by 20 cells)
```

Didn't you miss the pane id after the -t ?



zjkiki commented on Feb 17

kill all sessions just use "killall tmux", it's quick :)



numist commented on Feb 25

Also useful: `select-layout even-horizontal` and `select-layout even-vertical` for when you've bugged your (one-dimensional) pane layout by resizing your terminal window.



sminrana commented 22 days ago

Thanks for sharing this.



luofei2011 commented 18 days ago

kill all the tmux sessions.

```
for session in `tmux ls | grep : | cut -d. -f1 | awk '{print substr($1, 0, length($1)-1)}';do tmux kill-session -t ${sess
```

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