

# Cheat-Sheet - tmux Terminalmultiplexer

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```

-rw-rw-r-- 1 usr usr 11372 16 jul 15.15 websock.js
-rw-rw-r-- 1 usr usr 5978 16 jul 15.15 webutil.js
-rw-r--r-- 1 usr usr 16384 1 okt 20.48 .webutil.js.swp
-rw-rw-r-- 1 usr usr 5170 16 jul 15.15 wsirc.js
-rw-rw-r-- 1 usr usr 14345 23 jul 16.00 wstlnet.js
-rw-r--r-- 1 usr usr 16384 1 okt 20.48 .wstlnet.js.swp
-rw-rw-r-- 1 usr usr 25805 24 jul 11.46 VT100.js
-rw-r--r-- 1 usr usr 16384 1 okt 20.48 .VT100.js.swp
usr@hostname:/var/www/mysite/include$

wstlnet.js VT100.js util.js webutil.js ../wstlnet.html ../style.css
341 str = '\b'; break;
342 case 65307: // Escape
343 str = '\x1b'; break;
344 case 65361: // Left arrow
345 str = '\x1b[D'; break;
346 case 65362: // Up arrow
347 str = '\x1b[A'; break;
348 case 65363: // Right arrow
349 str = '\x1b[C'; break;
350 case 65364: // Down arrow
351 str = '\x1b[B'; break;
352 case 100045: // Insert
353 str = '\x1b[@'; break;
354 case 100046: // Delete
355 str = '\x1b[P'; break;
356 case 100036: // Home
357 str = '\x1b[H'; break;
358 case 100035: // End
359 str = '\x1b[4~'; break;
360 case 100033: // Page Up
361 str = '\x1b[5~'; break;
362 case 100034: // Page Down
363 str = '\x1b[6~'; break;

NORMAL /var/www/mysite/include/wstlnet.js unix utf-8 sh 63% 352:21
0:3.1 hostname 192.168.0.3 173.194.70.138 1:ssh 2:bash 3> IDE 0.02, 0.04, 0.00 Tue
    
```

Pane (Split)	
split-window	[-l size] [-p percentage] [-t target-pane] [shell-command]
" Split-window	-h (Split pane horizontally)
% split-window	-v (Split pane vertically)
list-panes	
Up select-pane	select-pane -U
o select-pane	[-t target-pane]
select-pane -t :.+	(Select next pane)
; last-pane	(Select previously active pane)
M-Up resize-pane	resize-pane -U 5
^Up resize-pane	resize-pane -U
resize-pane	[-t target-pane] [adjustment]
	-DLRU Doqn/Left/right/Up
	tmux resize-pane -l -t 2 20
q display-panes	(Show pane numbers visually over panes)
{ swap-pane	swap-pane -U
swap-pane	swap-pane -D
swap-pane	[-s src-pane] [-t dst-pane]
	-d (Instructs tmux not to change the active pane)
^o rotate-window	(Swap location of panes)
Space next-layout	(Swap layout of panes)
join-pane	[-l size] [-p percentage] [-s src-pane] [-t dst-pane]
joinp	joinp
joinp -s :2	(Move window 2 into a new pane in the current window)
joinp -t :1	(Move the current pane into a new pane in window 1)
: break-pane	[-t target-pane] (Break pane to a new window)
t clock-mode	[-t target-pane]
^d	(Close current pane)
x kill-pane	[-t target-pane]

Copy-/History - Mode	
[ copy-mode	Starts copy-mode
PageUp copy-mode -u	Starts copy-mode and scroll up
] paste-buffer	
list-buffers	Shows a list of copy-buffers

Copy-/History - Settings	
setw -g mode-keys vi	Configure tmux to use vi-style navigation in copy mode
setw -g mode-keys emacs	Configure tmux to use emacs-style navigation in copy mode
bind p paste-buffer	
bind-key -t vi-copy 'v'	begin-selection
bind-key -t vi-copy 'y'	copy-selection

Copy-/History - Keys	
vi emacs	Function
q Escape	Quit mode
j Down	Cursor down
k Up	Cursor up
h Left	Cursor left
l Right	Cursor right
J C-Down	Scroll down
K C-Up	Scroll up
C-f Page down	Next page
C-b Page up	Previous page
:	Goto line
g M->	Top of history
G M-<	Bottom of history
^C-a	Start of line
^ M-m	Back to indentation
\$ C-e	End of line
w M-f	Next word
e	End of word
b M-b	Previous word
Space C-Space	Start selection
v R	Rectangle toggle
Escape C-g	Clear selection
Enter M-w	Copy selection
/ C-y	Paste buffer
p C-s	Search
n n	Search again
N C-r	Search backward

Session	
new-session	new [-s session-name] tmux -S /tmp/shared_session_socket chmod 777 /tmp/shared_session_socket
attach-session	attach [-t target-session] -d (Re-attach and attached session (detaching it from elsewhere)) -r (Read only) tmux -S /tmp/shared_session_socket attach
s list-sessions	ls
d detach-client	[-s target-session]
z suspend-client	
\$ rename-session	[-t target-session] new-name
kill-session	[-t target-session]

Window (Tab)	
c new-window	[-n window-name] [shell-command]
list-windows	lsw [-t target-session]
w choose-window	(Same as list, but a menu)
7 select-window	[-t target-window] (Select window number 7)
n next-window	[-t target-session]
p previous-window	[-t target-session]
l last-window	[-t target-session] (Select last selected window)
i display-message	(Show information about current window and pane)
f find-window	[-t target-window] match-string (Freetext search through windows)
. move-window	movew [-s src-window] [-t dst-window]
,	rename-window [-t target-window] new-name
&	kill-window [-t target-window]

Mouse mode	
set -g mouse-select-window on	Select window
set -g mouse-select-pane on	Select pane
set -g mouse-resize-pane on	Resize pane
setw -g mode-mouse on	Select text

Statusbar Color	
set-option -g status-bg colour235	
set-option -g status-fg white	
set-option -g window-status-bg colour35 colour35	
set-option -g window-status-current-bg colour25	
set-option -g window-status-current-fg black	
Center the window list	
set -g status-justify centre	

Terminal settings	
Set charset	set-window-option -g utf8 on
Set mode to 256color mode	set -g default-terminal "screen-256color"
Force tmux to use 256 colors	tmux -2
Force tmux to use 88 colors	tmux -8
Enable activity alerts	setw -g monitor-activity on set -g visual-activity on
Clock	set-window-option -g clock-mode-style [12   24] set-window-option -g clock-mode-colour colour
Prompt	tmux command-prompt ^b :
Autocompletion in tmux command-prompt	Tab

Keybinding	
? list-keys	See keybinding
Change prefix (From Ctrl+B to Ctrl+A)	unbind C-b set -g prefix C-a
Bind-key	bind-key bind-key -r (Indicates this key may repeat)
Keys	[A-Z] Ctrl key [C-] or [^] Alt key (Meta) [M-] [F1-F20] Up, Down, Left, Right End, Home, IC (Insert), NPage (Page Up), PPage (Page Down) BSpace, BTab, DC (Delete), Enter, Escape, Space, and Tab.
To bind the '' or '' keys, quotation marks are necessary:	bind-key '' split-window bind-key '' new-window
Send keys	send-keys [-t target-pane] send-prefix [-t target-pane]

All tmux-commands can be accessed through tmux prompt (:Command) or by the CLI (tmux Command), and could be mapped to a keybinding (:bind k Command). In a session with several attached clients, tmux will set the resolution to the least common resolution. Consoles Font is used in Terminal. Powerline is Used for tmux and vim.