

Hyperpolyglot

Terminal Multiplexers: Screen, Tmux

[command line options](#) | [key bindings](#) | [customization](#) | [terminology](#) | [documentation](#)

Command Line Options

	screen	tmux
create session and attach	\$ screen	\$ tmux
create session foo and attach	\$ screen -S foo	\$ tmux new -s foo
create detached session foo	\$ screen -S foo -d -m	\$ tmux new -s foo -d
list sessions	\$ screen -list	\$ tmux ls
attach	\$ screen -r	\$ tmux attach
attach to session foo	\$ screen -r foo	\$ tmux attach -t foo
attach to session by pid	\$ screen -r pid	
kill session foo	\$ screen -r foo -X quit	\$ tmux kill-session -t foo
send multiplexer command to session foo	\$ screen -r foo -X <i>command</i>	\$ tmux <i>command</i> -t foo
run ls in session foo	\$ screen -r foo -X stuff "ls \$(echo -ne '\015')"	\$ tmux send-keys -t foo 'ls' C-m
run vi in new window	\$ screen vi /etc/motd	\$ tmux new-window vi /etc/motd

Key Bindings

[sessions](#) | [windows](#) | [regions](#) | [panes](#) | [paste buffer](#) | [copy mode](#)

screen		tmux	
	C-a cmd	command	C-b cmd
help	?	:help	? :list-keys
send prefix to app	a	:meta	C-b :send-prefix
suspend multiplexer	C-z	:suspend	C-z :suspend-client
show previous multiplexer message	m C-m	:lastmsg	~ :show-messages
source file		:source <i>file</i>	:source-file <i>file</i>
detach	d C-d	:detach	d :detach-client
sessions		tmux	
	C-a cmd	command	C-b cmd
new session			:new
new named session			:new -s foo
switch session			s :choose-session
rename session		:sessionname foo	\$ command-prompt -I #5 "rename-session '%X'"
kill session	C-\	:quit	
windows		tmux	
	C-a cmd	command	C-b cmd
create new window	c C-c	:screen	c :new-window
switch to next window	n C-n SPACE	:next	n :next-window
switch to previous window	h p C-p	:prev	p :previous-window
toggle to last window	C-a	:other	
select window <i>n</i>			n :select-window -t :n
list windows	w C-w	:windows	:list-windows
show current window number and name	N	:number	
renumber current window			. <i>position</i> :move-window
move current window to another session			. <i>sessionname</i> . <i>sessionnum:position</i>
redraw current window	l C-l	:redisplay	r :refresh-client
choose window interactively	"	:windowlist -b	w :choose-window
rename window	A	:title	,
select window <i>foo</i>	.	:select	f <i>foo</i>
close current window	C-k	:kill	& :kill-window
join window 1 to current window			:join-pane -s 1
join region 0 of window 1 to current window			:join-pane -s 1.0
regions		tmux	
	C-a cmd	command	C-b cmd
split into top and bottom regions	S	:split	
move down to next region	TAB	:focus	
make regions same height		:resize =	
close current region	X	:remove	
close all but current region	Q	:only	
clear current region	C	:clear	
log region to file		<i>file is screenlog.NN</i> :log	
turn off logging		:log off	
make current region <i>n</i> rows taller/shorter		:resize + <i>n</i> :resize - <i>n</i>	
make current region <i>n</i> rows tall		:resize <i>n</i>	
panes		tmux	
	C-a cmd	command	C-b cmd
split into left and right panes			% :split-window -h
split into top and bottom panes			" :split-window
switch to next panes			o :select-pane
rotate panes			C-o :rotate-window
reverse rotate panes			M-o :rotate-window -D
arrange panes side-by-side and same width			M-1
arrange panes stacked and same height			M-2
swap current and previous pane			{ :swap-pane -U
swap current and next pane			} :swap-pane -D
change arrangement of panes			SPACE :next-layout
close current pane			x :confirm-before kill-pane
break current pane into separate window			! :break-pane
list panes			:list-panes
display pane numbers			q :display-panes
clear current pane			:clear-history
log pane to file			:pipe-pane "cat > /tmp/tmux.log"
turn off logging			:pipe-pane
resize pane left/up <i>n</i> cells			:resize-pane -L <i>n</i> :resize-pane -U <i>n</i>
paste buffer		tmux	
	C-a cmd	command	C-b cmd
enter copy mode	{ C-[ESC	:copy	[:copy-mode
paste most recent buffer	}] :paste-buffer
list buffers	<i>only one buffer</i>		# :list-buffers
choose buffer to paste interactively			= :choose-buffer
write buffer to file	<i>writes to /tmp/screen-exchange:</i> >	:writebuf <i>path</i>	:save-buffer <i>path</i>
copy file to buffer	<i>copies from /tmp/screen-exchange:</i> <	:readbuf <i>path</i>	:load-buffer <i>path</i>
copy mode		tmux	
	cmd	command	cmd
default bindings	<i>Vim-style</i>		<i>Emacs-style</i>
set mark	SPACE		C-SPACE
copy from mark to point and exit copy mode	<i>when mark is set:</i> SPACE		C-w
single column movement	<i>also left right arrow</i> h l		<i>also left right arrow</i> C-b C-h
single line movement	<i>also down up arrow</i> j k		<i>also down up arrow</i> C-n C-p
beginning of line	0		C-a
end of line	\$		C-e
forward word	e		M-f
backward word	b		M-b
page up	C-b		M-v
page down	C-f		C-v
beginning of buffer	g		M-<
end of buffer	G		M->
search backwards	? <i>phrase</i>		C-r <i>phrase</i>
search forwards	/ <i>phrase</i>		C-s <i>phrase</i>
exit copy mode	<i>any unbound key also works:</i> ESC		q