

A

appearance and behavior, command reference for, 39–41
attaching sessions, 7

B

bind command, 20
buffers
 configuring in `tmux.conf`, 55
 enabling vi mode for, 55
 moving in, 55–56
 searching in, 56

C

CAPS LOCK key, remapping, 16
capture-pane command, 57
choose-buffer command, 58
client-server model
 scripting for, 43
 as session control, x
color support, configuration
 for 24-bit color, 27
 configuring colors supported in `tmux`, 26–27
 for iTerm2, 25
 for Linux, 25
 for macOS Terminal, 24
 in `tmux.conf`, 25, 26
 troubleshooting, 25–26
command conventions, terminal, xiii
command mode, using PREFIX `:(colon)` to enter, 12–13
command prefix
 default, 4
 PREFIX command used as placeholder for, 5
command PREFIX, remapping for, 16–17
command reference
 appearance and behavior, 39–41
 copy and paste buffers, 63–64
 pair programming, 73
 scriptable commands, 53–54
 windows, panes, and sessions, 13–14
 workflows with panes and windows, 94–95
configurations, custom, 36–37
copy and paste buffers, command reference for, 63–64
Copy mode, *see also* paste buffer
 command reference for, 63–64
 configuring in `tmux.conf`, 55
 for copying text, 55
 entering, 55
 leaving, 56
 for pasting text, 55
 remapping keys for, 59–60
creating new sessions, 3–6, 13
CTRL-a command

- as command PREFIX, 16
 - sending to other applications, 20
- CTRL-b command
 - as buffer page movement, 56
 - as default PREFIX, 5
 - remapping for, 5, 16
 - unbinding as command PREFIX, 17
- CTRL-d command, 4
- CTRL-f command, as buffer page movement, 56
- CTRL-l (letter l) command, 88
- custom environments
 - creating manually, 43
 - scripting for, 43–48
- customizing, 36–37

D

- default delay, configuring, 16
- detach command, x
- detaching sessions, 5–6
- display-menu command, 89
- display-popup command, 79

G

- g/G commands, 56
- global (-g) switch, 16
- GNU-Screen, x

H

- has-session command, 83
- Homebrew, using for macOS installation, 1–2
- hooks
 - example usage, 91–92
 - list of available, 91

I

- if-shell command, 85
- installing tmux
 - on Linux, 2–3
 - on macOS, 1–2
 - on Windows, 2

J

- join-pane command, 76

K

- keybindings
 - customizing, 18
 - list of available, 23
 - prefix not needed for, 20
 - removing, 16
- keyboard shortcuts
 - configuring, 18

- conventions for, xiii
- killing (stopping) sessions, 8
- kill-session command, 8

L

- Linux installation, 2, *see also* installing tmux
- list-buffers command, 56
- list-keys command, 23
- logging session output, 86

M

- macOS installation, 1–2, *see also* installing tmux
- managing text
 - with buffers, 55
 - with copy & paste, 56–57
- message area, configuration, 32
- mouse, configuration commands, 23–24

N

- new-window command, 12
- n/N commands, 56

P

- pair programming
 - command reference for, 73
 - overview of, 65
 - remote server used for, 65–66
 - security issues related to, 65
 - shared account and grouped sessions for, 66, 68–69
 - using accounts and sockets for, 71–72
 - using Uterm for, 69–70
- pane numbers, configuration, 17–18
- panes
 - border configuration for, 29–32
 - capturing entire contents of, 57
 - color configuration for, 29–32
 - command reference for, 13–14
 - creating and closing, 10–11
 - creating windows from, 75
 - layouts for, 11
 - moving between, 11
 - moving to another session, 76
 - open in current directory, 78
 - remapping movement keys for, 21
 - resizing, 21, 77
 - sending commands to multiple, 78–79
 - splitting, 20
 - temporarily maximizing the size of, 77
- paste buffer, *see also* Copy mode
 - command reference for, 63–64
 - pasting text from, 56–57
 - remapping keys for, 59–60
 - renaming buffers using set-buffer, 59

- saving contents to file, 57
- showing contents of, 57
- using multiple, 57–58
- paste-buffer command, 57
- pipe-pane command, 86
- plugins
 - installing using TPM (tmux plugin manager), 92
 - list of available, 93n3
 - tmux-resurrect, 93
- popup menu, for shortcuts, 87
- PREFIX (command, 81
- PREFIX : (colon) command, 12, 13
- PREFIX , (comma) command, 9
- PREFIX ? command, 13, 23
- PREFIX ! command, 75, 94
- PREFIX " (double quote) command, 11, 14
- PREFIX . (period) command, 82
- PREFIX # (number) command, 9, 13
- PREFIX % command, 11, 14
- PREFIX & command, 10, 14
- PREFIX [command, 55, 58, 63
- PREFIX] command, 55, 57, 58, 63
- PREFIX c command, 9, 14
- PREFIX C command, 36
- PREFIX command, *see also* command prefix
 - defaults for sessions, windows, panes, 13–14
 - remapping for, 5, 16–17
 - sending to other applications, 20
- PREFIX d command, 6, 7, 8, 13
- PREFIX f command, 10, 14
- PREFIX n command, 9, 13
- PREFIX p command, 9, 13, 75
- PREFIX s command, 81, 83
- PREFIX SPACEBAR command, 11
- PREFIX t command, 5
- PREFIX w command, 10, 13, 82, 95
- PREFIX x command, 11, 14
- PREFIX z command, 77, 94

R

- reattaching sessions, *see* attaching sessions
- resize-pane command, 77
- resizing, panes, 21, 77

S

- save-buffer command, 57
- screen (terminal multiplexer), x
- scriptable commands, command reference for, 53–54
- scripting
 - for client-server model, 43
 - for custom environments, 43–48
 - example configuration for, 47–48
 - tmux.conf file example of, 49

- send-keys command, 45
- send-prefix command, 20
- sessions
 - attaching and detaching, 5–8
 - attaching to existing, 83
 - closing, 4
 - command reference for, 13
 - create chooser for sorting, 80
 - creating named, 4
 - creating within tmux, 83
 - default commands for sessions, windows, panes, 13–14
 - keybindings for switching between, 81
 - killing (stopping), 8
 - logging output for, 86
 - managing, 80
 - moving between, 80–81
 - number shown in status line, 4
- set-buffer command, 59
- set-hook command, 88, 90
- set-option command, 16
- set-window-option synchronize-panes command, 78–79
- shell configuration, settings to launch tmux, 84
- shortcut conventions, keyboard, xiii
- shortcuts
 - keyboard, 18
 - popup menu to access, 87
- starting tmux, 3
- status line
 - adding battery information to, 86–87
 - color configuration for, 28–29
 - enabling alerts for, 36
 - list of components and variables for, 33
 - setting refresh interval for, 35
 - setting window list configuration for, 36
 - tmux.conf configuration options for, 33–36
- system clipboard, configuration
 - for Linux, 60–61
 - for macOS, 61–62

T

- .tmux.conf file, *see* tmux.conf file
- target (-t) command
 - attaching to named sessions with, 44
 - creating custom environments with, 43–44
- terminal command conventions, xiii
- terminal multiplexer, *see* tmux
- text, copying and pasting, *see* Copy mode; paste buffer
- tmux
 - configure OS-specific settings for, 85
 - plugins for, 92, 93n3
 - requirements to run, xii
 - set default shell for, 82
 - set shell variable to launch, 84

- starting, 3
- verifying installation, 3
- Vim integration with, 87, 87n1
- tmux, version required, 1
- tmux command reference
 - appearance and behavior, 38–41
 - copy and paste buffers, 63–64
 - pair programming, 73
 - scriptable commands, 53–54
 - windows, panes, and sessions, 13–14
 - workflows with panes and windows, 94–95
- tmux event hooks, 90–92
- tmux installation, *see* installing tmux
- tmux plugin manager (TPM), *see* plugins
- tmux -V command, 2, 3
- tmux workflows
 - using panes and windows, 75–80
 - using scripting to configure, 75
- tmux.conf file
 - configuring the, 39–41
 - creating the, 15
 - full example configuration for, 96–100
 - location for, 15–16
 - reloading the, 17, 18–19
- tmuxinator
 - command reference for, 54
 - creating custom environments with, 50–52
 - installation and requirements for, 50
 - script configuration for, 52–53

U

- Ubuntu, installation methods, 2–3, *see also* installing tmux
- unbind-key command, 17
- Upterm, using for pair programming, 67–68

V

- vi mode, enabling for buffers, 55
- Vim, integrating tmux with, 87–88
- Vim movement keys
 - for moving between panes, 21
 - for resizing panes, 21–22

W

- window list
 - centering in status line, 35
 - identifying activity in, 36
- window numbers, configuration, 17–18
- windows
 - command reference for, 13–14
 - creating and naming, 8–9
 - creating panes from, 76
 - moving between, 9–10
 - moving between sessions, 82

- popup option for, 79–80
- windows, panes, and sessions, command reference for, 13–14
- Windows installation, 2, *see also* installing tmux
- Windows Subsystem for Linux (WSL), 2
- workflows with panes and windows, command reference for, 94–95