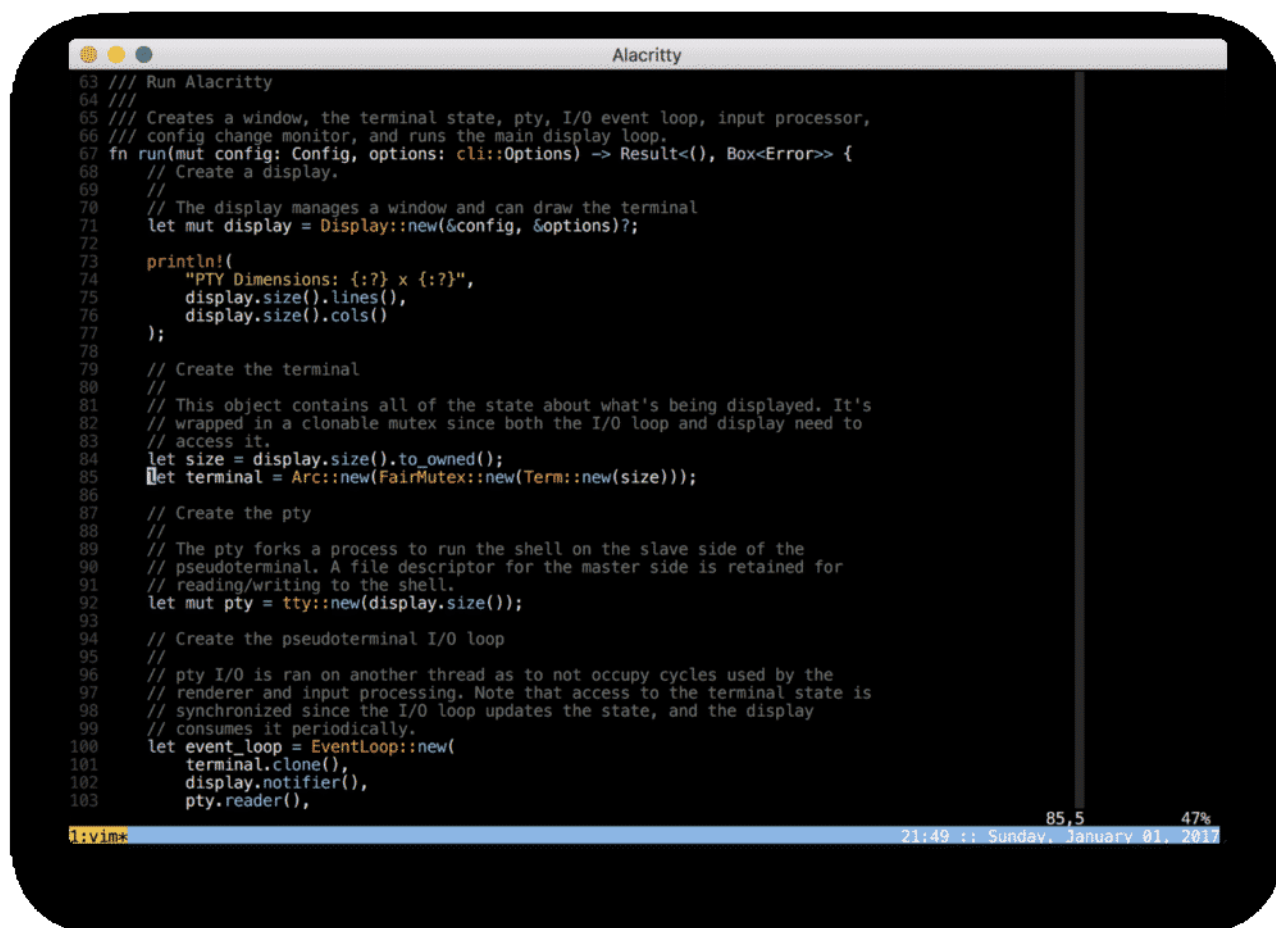


# Top 7 Best Linux Terminals

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```
63 /// Run Alacritty
64 ///
65 /// Creates a window, the terminal state, pty, I/O event loop, input processor,
66 /// config change monitor, and runs the main display loop.
67 fn run(mut config: Config, options: cli::Options) -> Result<(), Box<Error>> {
68     // Create a display.
69     //
70     // The display manages a window and can draw the terminal
71     let mut display = Display::new(&config, &options)?;
72
73     println!(
74         "PTY Dimensions: {:?} x {:?}",
75         display.size().lines(),
76         display.size().cols()
77     );
78
79     // Create the terminal
80     //
81     // This object contains all of the state about what's being displayed. It's
82     // wrapped in a clonable mutex since both the I/O loop and display need to
83     // access it.
84     let size = display.size().to_owned();
85     let terminal = Arc::new(FairMutex::new(Term::new(size)));
86
87     // Create the pty
88     //
89     // The pty forks a process to run the shell on the slave side of the
90     // pseudoterminal. A file descriptor for the master side is retained for
91     // reading/writing to the shell.
92     let mut pty = tty::new(display.size());
93
94     // Create the pseudoterminal I/O loop
95     //
96     // pty I/O is ran on another thread as to not occupy cycles used by the
97     // renderer and input processing. Note that access to the terminal state is
98     // synchronized since the I/O loop updates the state, and the display
99     // consumes it periodically.
100    let event_loop = EventLoop::new(
101        terminal.clone(),
102        display.notifier(),
103        pty.reader(),
104    );
105
106    // Run the event loop
107    event_loop.run();
108
109    Ok(())
110}
```

85,5 47%

1:vim\* 21:49 :: Sunday, January 01, 2017

It doesn't matter if you're a casual Linux user or a season system administrator, a good terminal emulator can vastly improve your experience, allowing you to unleash the full potential of Linux and various command-line tools.

This article isn't about Linux terminals that ship with popular desktop environments, such as GNOME Terminal, Konsole, or xfce4-terminal. Instead, we're focusing on the best available alternatives so you have a lot of options to choose from regardless of whether you place greater value on minimalism or features.

**Source URL:** <http://www.tuxmachines.org/node/131404>

**Links:**

[1] <http://www.tuxmachines.org/taxonomy/term/38>

[2] [https://linuxhint.com/best\\_7\\_linux\\_terminals/](https://linuxhint.com/best_7_linux_terminals/)