

Getting started with tmux

🕒 MARCH 30, 2017

([HTTPS://WWW.ROSEHOSTING.COM/BLOG/GETTING-STARTED-WITH-TMUX/](https://www.rosehosting.com/blog/getting-started-with-tmux/))

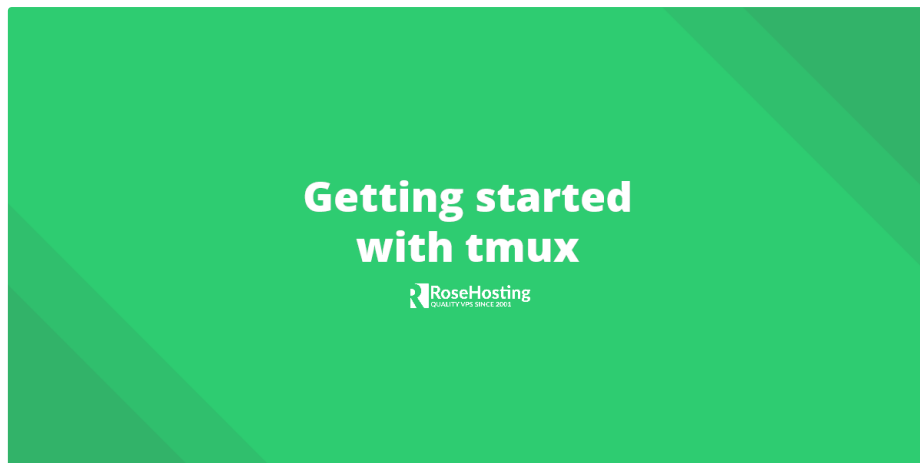
💬 4 ([HTTPS://WWW.ROSEHOSTING.COM/BLOG/GETTING-STARTED-WITH-TMUX/#COMMENTS](https://www.rosehosting.com/blog/getting-started-with-tmux/#comments))

GUIDES

f Facebook 0 **t** Twitter 6 **G** Google+ 3

[url=https://www.rosehosting.com/blog/getting-started-with-tmux/](https://www.rosehosting.com/blog/getting-started-with-tmux/)) **in** LinkedIn 3

[tmux/](https://www.rosehosting.com/blog/getting-started-with-tmux/)) **in** LinkedIn 3



In this post, we will write about tmux, which is a terminal multiplexer, a lot like GNU Screen (<https://www.rosehosting.com/blog/basic-screen-command-usage-and-examples/>) but much more powerful. If you spend a lot of time in a CLI, then you'll love tmux.

What is tmux?

According to the tmux authors:

tmux is a terminal multiplexer. What is a terminal multiplexer? It lets you switch easily between several programs in one terminal, detach them (they keep running in the background) and reattach them to a different terminal. And do a lot more.

Installation

Installation is pretty straightforward if you have **Ubuntu** (<https://www.rosehosting.com/ubuntu-vps.html>) or any other **Debian** (<https://www.rosehosting.com/debian-vps.html>)-based distribution you can install tmux with:

```
sudo apt-get install tmux
```

on **CentOS** (<https://www.rosehosting.com/centos-vps.html>)/Fedora:

```
yum install tmux
```

and on MacOS:

```
brew install tmux
```

After installation, to start tmux run `tmux` in your terminal window.

Configuration & Prefix key

The global configuration file is located at

`/etc/tmux.conf` and the user specific configuration file is located at `~/.tmux.conf`. The default prefix is `Ctrl-b` but if you want to change it to `Ctrl-a` (GNU Screen's default prefix), you need to add the following code to your `~/.tmux.conf` file:

```
unbind C-b  
set -g prefix C-a  
bind C-a send-prefix
```

Session Management

tmux is developed on a client-server model which means that the session is stored on the server and persist beyond ssh logout.

The following command will create a new session called `mysession`:

```
tmux new-session -s mysession
```

To attach to a session run:

```
tmux attach -t mysession
```

To list all session run:

```
tmux ls
```

You can kill a session using the following command:

```
tmux kill-session -t mysession
```

Frequently used sessions commands

Ctrl-b d	Detach from the current session
Ctrl-b (Go to previous session
Ctrl-b)	Go to next session
Ctrl-b L	Go to previously used session
Ctrl-b s	Choose a session from the sessions



Windows (tabs) Management

Each session can have multiple windows. By default all windows are numbered starting from zero.

Frequently used windows (tabs) commands

```
Ctrl-b 1  Switch to window 1
Ctrl-b c  Create new window
Ctrl-b w  List all windows
Ctrl-b n  Go to next window
Ctrl-b p  Go to previous window
Ctrl-b f  Find window
Ctrl-b ,  Name window
Ctrl-b w  Choose a window from the windows list
Ctrl-b &  Kill the current window
```

Enter Our Giveaway to Win a Free Fully Managed Linux VPS **ENTER NOW**

Panes Management

(<https://www.rosehosting.com/blog/free-linux-vps/>)

With tmux, you can split windows into multiple panes.

Frequently used panes commands

```
Ctrl-b "  Split the pane vertically (t
Ctrl-b %  Split the pane horizontally
Ctrl-b q  Show pane numbers
Ctrl-b x  Kill the current pane
Ctrl-b +  Break pane into window
Ctrl-b -  Restore pane from window
Ctrl-b left  Go to the next pane on the l
Ctrl-b right  Go to the next pane on the r
Ctrl-b up  Go to the next pane on the t
Ctrl-b down  Go to the next pane on the b
Ctrl-b o  Cycle through all panes
Ctrl-b ;  Go to previously used pane
```

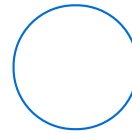


If you use one of our [Linux VPS hosting](https://www.rosehosting.com/linux-vps-hosting.html)

(<https://www.rosehosting.com/linux-vps-hosting.html>)

services, do not hesitate to ask our expert Linux admins if you need help getting started with Tmux. They are available 24×7 and will take care of your request immediately.

PS. If you liked this post please share it with your friends on the social networks using the buttons below or simply leave a comment in the comments section. Thanks.



TERMINAL ([HTTPS://WWW.ROSEHOSTING.COM/BLOG/TAG/TERMINAL/](https://www.rosehosting.com/blog/tag/terminal/))

TMUX ([HTTPS://WWW.ROSEHOSTING.COM/BLOG/TAG/TMUX/](https://www.rosehosting.com/blog/tag/tmux/))

SHARE:     

RELATED ARTICLES

GUIDES

100+ self-hosted alternatives to
popular services

(<https://www.rosehosting.com/blog/self-hosted-alternatives/>)