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# tmux

# Commands

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TWEETS

We've already learned to use [GNU Screen](#) to manage multiple Terminal sessions. Today, we will discuss another well-known command-line utility named **"Tmux"** to manage Terminal sessions. Similar to GNU Screen, Tmux is also a Terminal multiplexer that allows us to create number of terminal sessions and run multiple programs on the same host. It also lets us patch the activity monitor inside a single Terminal window. Tmux is free, open-source, and cross-platform program that supports Linux, OpenBSD, FreeBSD, NetBSD and Mac OS X. In this post, we will discuss most commonly used Tmux commands in Linux.

07-Apr-2021

Installing Tmux in Linux

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Tmux is available in the official repositories of most Linux distributions.

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\$ sudo apt-get install tmux

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On SLiSE/openSLiSE:

TWEETS

```
$ sudo zypper install tmux
```

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Written in Go. #Gotop #Golang #Go  
Well, we have just installed Tmux. Let us go ahead and see some examples to learn how to use T  
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Tmux Command Examples To Manage Multiple Terminal Sessi

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The default prefix shortcut to all commands in Tmux is **Ctrl+b**. Just remember this keyboard sho  
using Tmux.

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is **Ctrl+a**.

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To create a new Tmux session and attach to it, run the following command from the Terminal:

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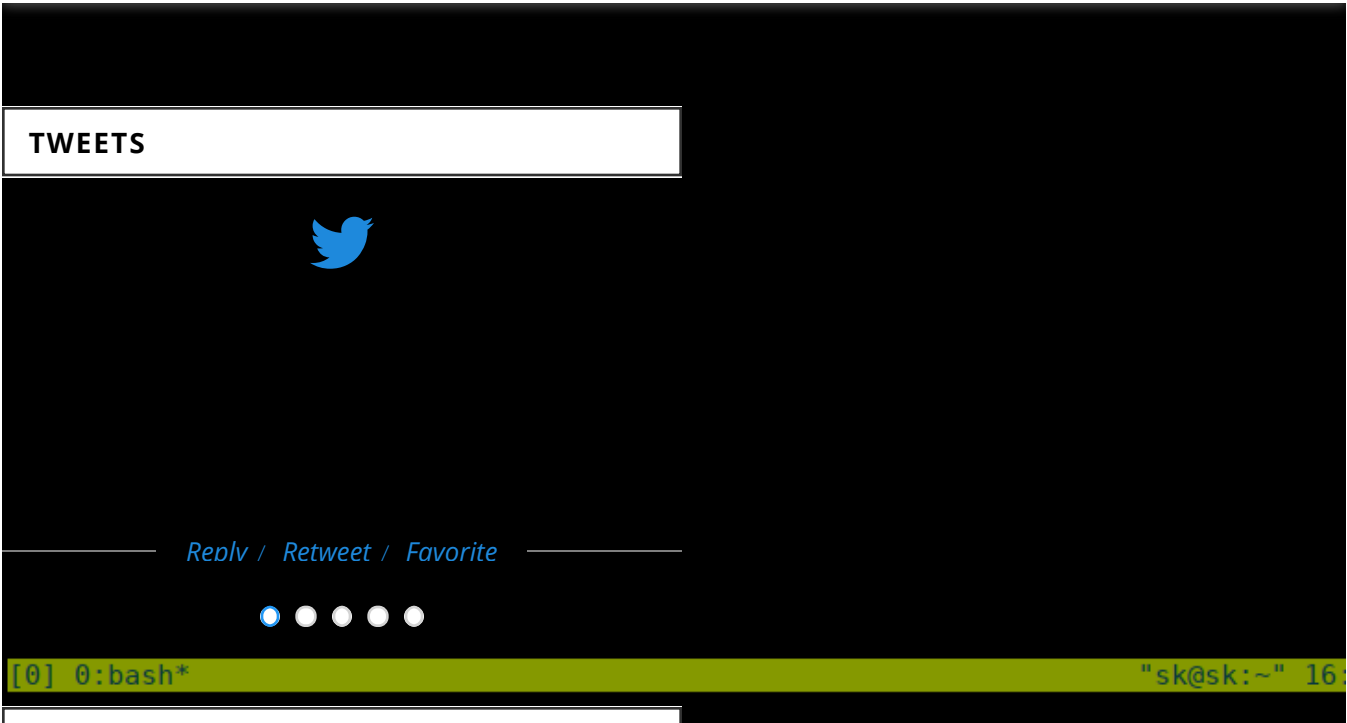
Once you are inside the Tmux session, you will see a **green bar at the bottom** as shown in the s

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[Tmux session or not.](#)

### Detaching from Tmux sessions

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...s **Ctrl+b** and **d**. You don't need to press this bot  
shortcut at a time. First press "Ctrl+b" and then press "d".

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Once you're detached from a session, you will see an output something like below.

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[detached (from session 0)]

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### Creating named sessions

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tmux new -s webserv

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Here is the new named  nux session.



Tmux session with a custom name

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...e of the Tmux session is **webserv**. This way yo  
identify which program is running on which session.

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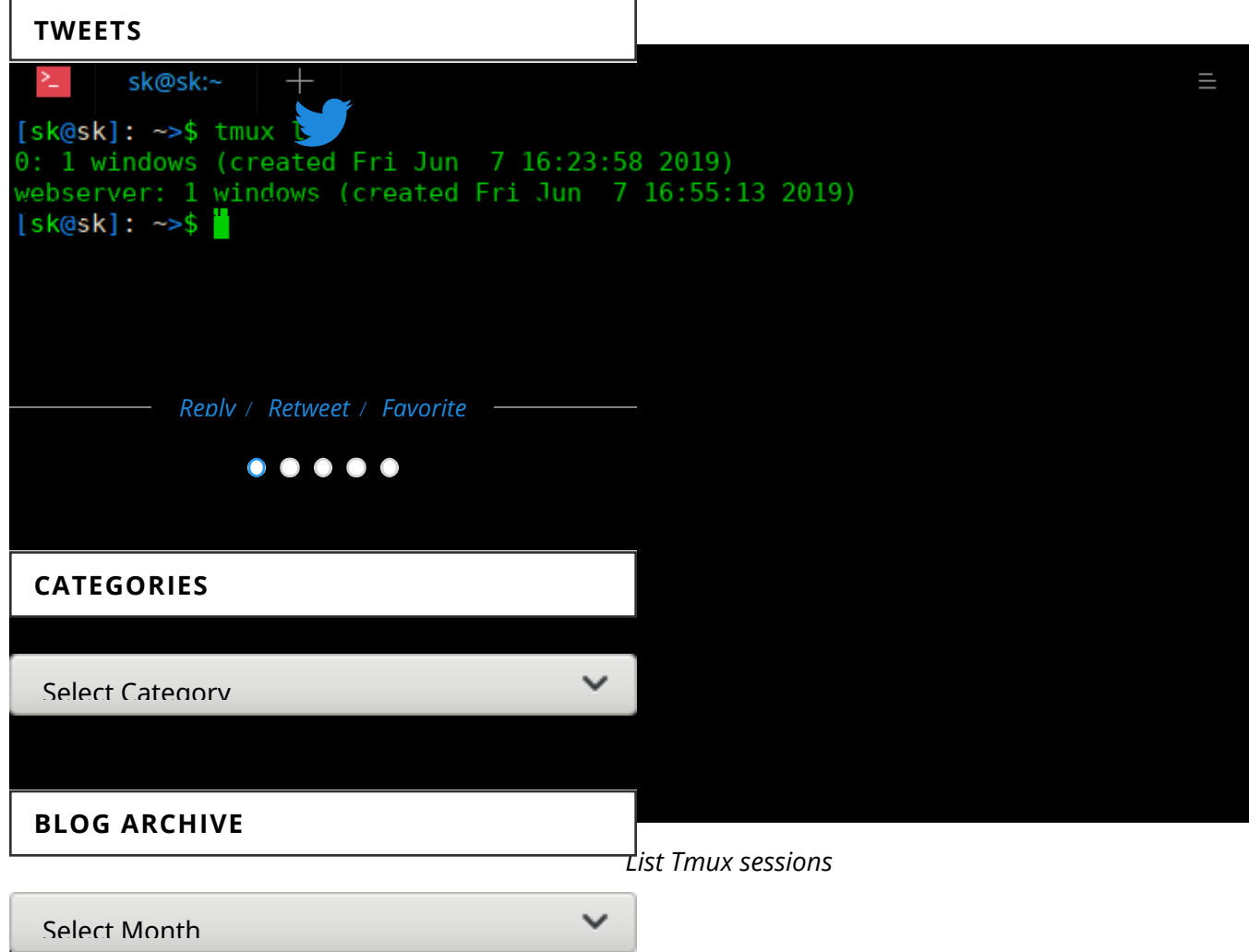
To detach, simply press **Ctrl+b** and **d**.

### List Tmux sessions

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Sample output:

*List Tmux sessions*

## Creating detached sessions

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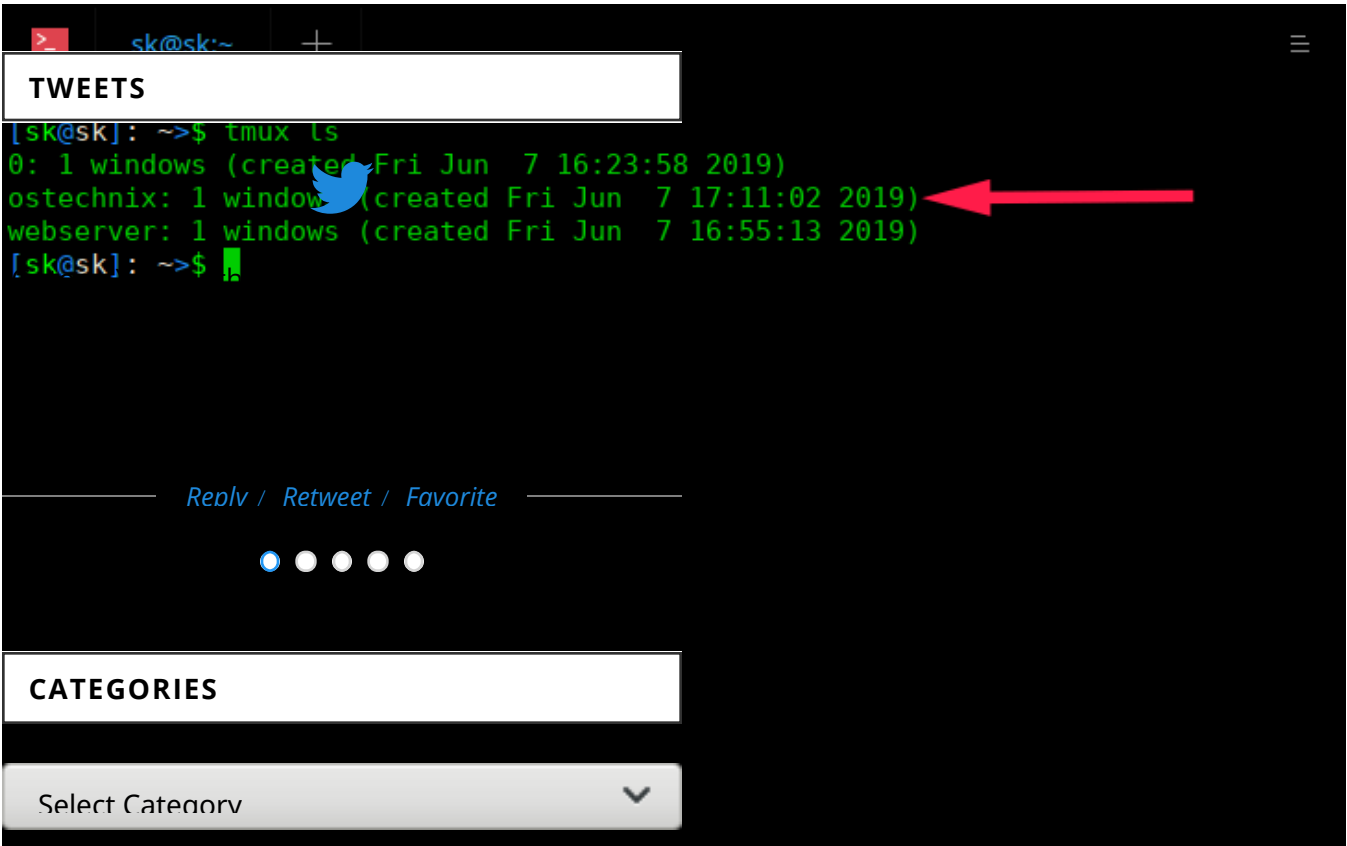
Sometimes, you might want to simply create a session and don't want to attach to it automatically.

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To create a new detached session named "**ostechnix**", run:

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the session is created using `tmux ls` command.



Create detached Tmux sessions

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ning this command:

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```
tmux attach -t ostechnix
```

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Or, shortly:



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Kill Tmux sessions

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When you're done and no longer required a Tmux session, you can kill it at any time with comma

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```
tmux kill-session -t ostechnix
```

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to kill the session.

You can verify if the session is closed with "tmux ls" command.

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run:

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```
tmux kill-server
```

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Be careful! This will terminate all Tmux sessions even if there are any running jobs inside the ses  
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When there were no running Tmux sessions, you will see the following output:

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## Split Tmux Session Windows

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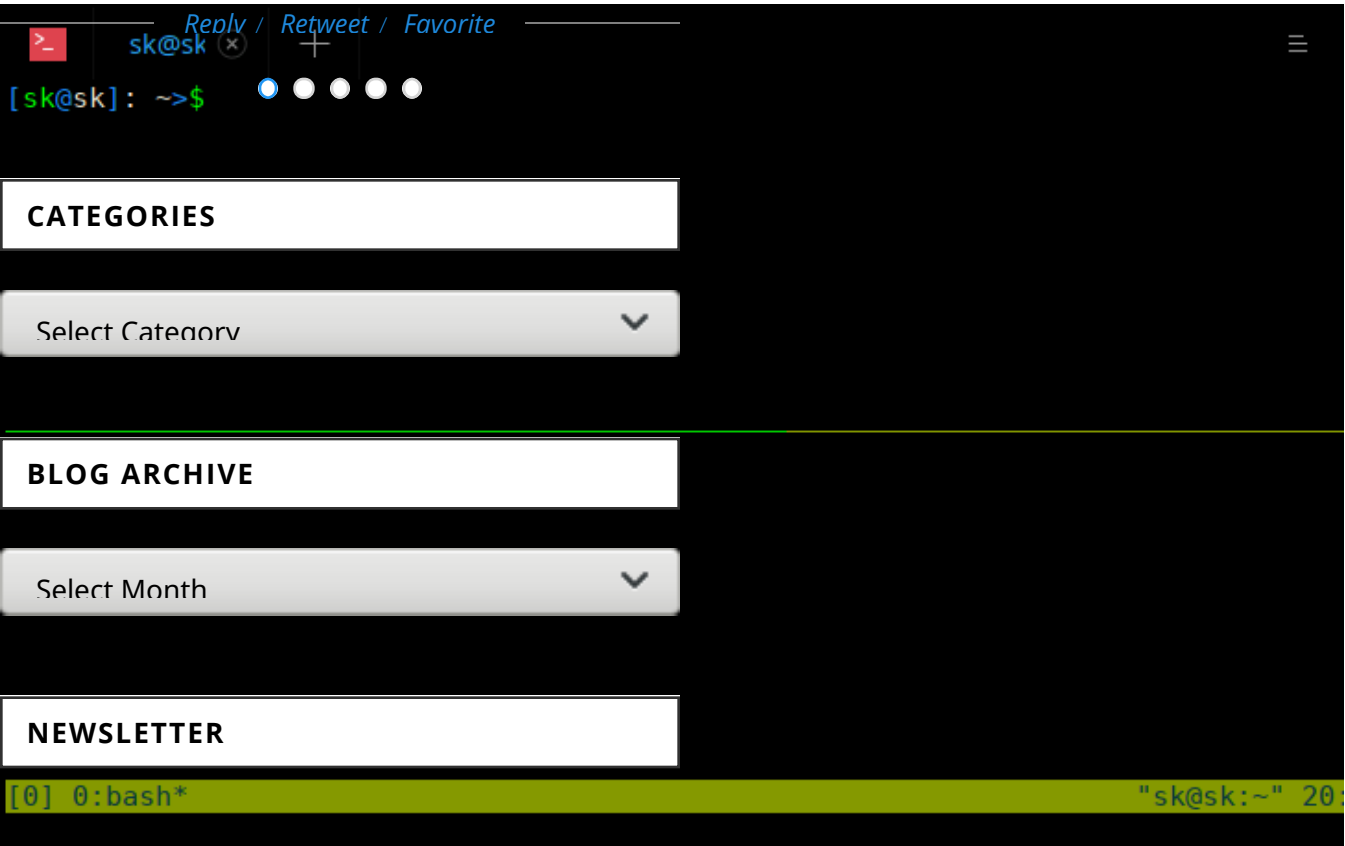
A single window can be split into multiple smaller windows called panes. This way we can run different programs on each pane and interact with all of them simultaneously. Each pane can be resized, moved, and closed without affecting the other panes. We can split a Tmux window horizontally or vertically or both at once.

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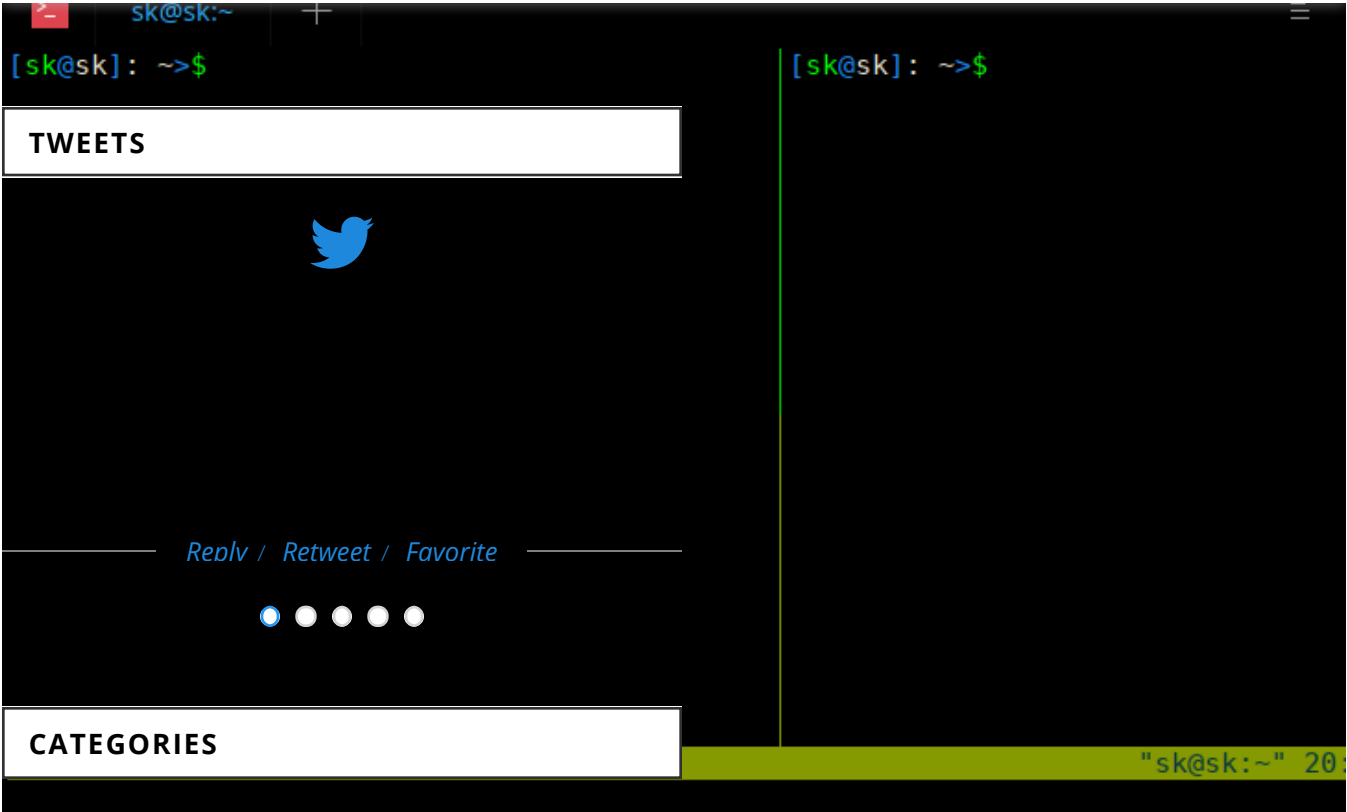
To split a pane horizontally, press **Ctrl+b** and **"** (single quotation mark).



updated from your inbox!      Split Tmux pane horizontally

Use the same key combination to split the panes further.

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*Tmux panes vertically*

Split panes horizontally and vertically

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Linux sk 5.1.2-arch1-1-ARCH #1 SMP PREEMPT Wed May 15 00:09:47 UTC 2019 x86\_64 GNU/Linux

[sk@sk]: ~->\$

TWEETS



[sk@sk]: ~->\$ uptime

19:24:58 up 8:01, 1 user, load average: 0.31, 0.53, 0.70

[sk@sk]: ~->\$

Every 2.0s: f... sk: Fri Jun 7 1

	shared	total buff/cache	used available
Mem:	294	7884 4166	2952 4364
Swap:		2047	1

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[0] 0:watch\*

"sk@sk:~" 19:

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Split Tmux panes

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and then split the lower pane vertically by pressi

As you see in the above screenshot, I am running three different programs on each pane.

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Switch between panes

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w keys (Left, Right, Up, Down).

Send commands to all panes

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In the previous example, we ran three different commands on each pane. However, it is also pos

send the same commands to all panes at once.

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To do so, press **Ctrl+b** and type the following command and hit ENTER:

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Now type any command on any pane. You will see that the same command is reflected on all panes.

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### Swap panes



To swap panes, press **Ctrl+b** and **o**.

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### Show pane numbers

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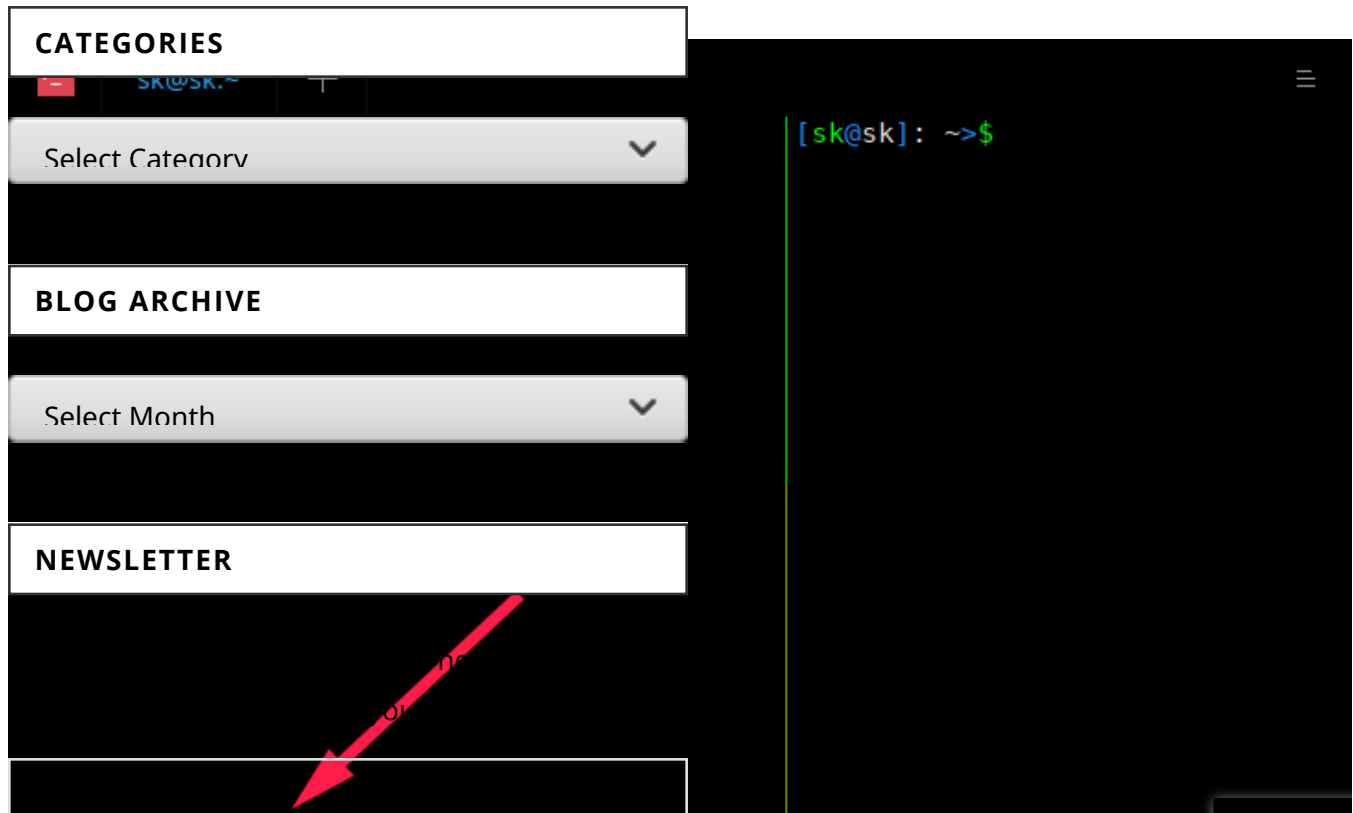
Press **Ctrl+b** and **q** to show pane numbers.

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### Kill panes

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To kill a pane, simply type **exit** and ENTER key. Alternatively, press **Ctrl+b** and **x**. You will see a confirmation message. Just press **y** to close the pane.



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and for viewing more of its contents. It is useful when you need more space or focus on a specific task. After finishing that task, you can zoom out (unzoom) the Tmux pane back to its normal position. More

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■ [How To Zoom Tmux Panes For Better Text Visibility](#)

Autostart Tmux Sessions

Autostart Tmux Sessions and Activity Monitor,  
Written In Go #Gotop #Golang #Go  
It is always a good practice to run a long running process inside a Tmux session when working with systems via SSH. Because, it prevents you from losing the control of the running process when the connection suddenly drops. One way to avoid this problem is to autostart Tmux sessions. For more details, refer the following link.

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■ [Autostart Tmux Session On Remote System When Logging In Via SSH](#)

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and how to use it to manage multiple Terminal sessions. For more details, refer man pages.

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\$ man tmux

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is helpful when managing servers remotely via SSH and Tmux commands thoroughly to manage your remote servers like a pro.

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I am Senthil Kumar, more commonly known as SK to my friends, from India. I love to explore topics on Linux, Unix and all other technology related stuff.

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## Ping Multiple Servers

### The Output

April 24, 20



## 2 COMMENTS

▼



ssion close. No need to kill somebody 😊

▼



Ⓐ Διαστάση 10 2020 - 11.05 nm

~~very helpful man, thank you for this.~~

updated from your inbox!

11/11/2014



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## TWEETS

Name\*



Email\*

Website

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