

# Tmux : TryHackMe

## (<https://roshanguragain.com.np/tryhackme/tmux-tryhackme/>)

🕒 1 minute read

tmux 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.

## 1. Cheatsheet

[tmux sessions] linuxacademy.local		[tmux windows] linuxacademy.local	
<p><b>_ new sessions</b></p> <pre>tmux tmux new tmux new-session tmux new -s sessionname</pre> <p><b>_ attach sessions</b></p> <pre>tmux a tmux att tmux attach tmux attach-session tmux a -t sessionname</pre>	<p><b>_ remove sessions</b></p> <pre>tmux kill-ses tmux kill-session -t sessionname</pre> <p><b>_ key bindings</b></p> <pre>Ctrl + B \$ rename session Ctrl + B D detach session Ctrl + B ) next session Ctrl + B ( previous session</pre>	<p><b>_ windows</b> are like tabs in a browser. Windows exist in sessions and occupy the space of a session screen.</p> <p><b>_ key bindings</b></p> <pre>Ctrl + B C create window Ctrl + B N move to next window Ctrl + B P move to previous window Ctrl + B L move to window last used</pre>	<pre>Ctrl + B 0..9 select window by number Ctrl + B ' select window by name Ctrl + B . change window number Ctrl + B , rename window Ctrl + B F search windows Ctrl + B &amp; kill window Ctrl + B W list windows</pre>
[tmux panes] linuxacademy.local		[tmux copy mode] linuxacademy.com	
<p><b>_ panes</b> are sections of windows that have been split into different screens – just like the panes of a real window!</p> <p><b>_ key bindings</b></p> <pre>Ctrl + B % vertical split Ctrl + B " horizontal split Ctrl + B → move to pane to the right Ctrl + B ← move to pane to the left</pre>	<pre>Ctrl + B ↑ move up to pane Ctrl + B ↓ move down to pane Ctrl + B O go to next pane Ctrl + B ; go to last active pane Ctrl + B } move pane right Ctrl + B { move pane left Ctrl + B ! convert pane to window Ctrl + B X kill pane</pre>	<p><b>_ key bindings</b></p> <pre>Ctrl + B [ enter copy mode Ctrl + B ] paste from buffer</pre> <p><b>_ copy mode commands</b></p> <pre>space start selection enter copy selection Esc clear selection g go to top</pre>	<pre>G go to bottom h move cursor left j move cursor down k move cursor up l move cursor right / search # list paste buffers q quit</pre>

## Initial Sequence to send commands

```
ctrl + b
```

# Creating a new session

## For session without a custom name

---

```
$ tmux
```

## Session with custom name

```
$ tmux new -t <session_name>
```

## Detach from the current session

---

```
ctrl + b + d
```

## List all sessions #not\_in\_cheatsheet

---

```
$ tmux ls
```

## Attach a tmux session

---

### By name

```
$ tmux a -t <session_name>
```

## Creating a new window in a session

---

```
ctrl + b + c
```

# Enter copy mode

---

Used when copying of results is needed. Used when screen is full and needs to scroll above. Similar to less

```
ctrl + b + [
```

## Start Selection

In order to start the selection of contents press

```
ctrl + space
```

and use arrow keys to go to the end of text you want to copy.

## Copy Selection

```
ctrl + w or alt + w
```

## Paste Selection

```
ctrl + b + ]
```

## Go to top

```
alt + shift + ,
```

## Exit copy mode

```
q
```

# Window operations

---

Panes are sections of windows that has been split into different screens.

# Split Vertically

```
ctrl + b + %
```

# Split Horizontally

```
ctrl + b + "
```

# Moving between panes

```
ctrl + b + <arrow_keys>
```

# Convert pane to window

# Rename window

```
ctrl + b + ,
```

# List windows

```
ctrl + b + w
```

# Kill window

```
ctrl + b + &
```

# Search window

```
ctrl + b + f
```

# Killing pane

If a pane becomes unresponsive

```
ctrl +b + x
```

# Close a window

```
$ exit
```

Default first session name is 0 when not specified.

```
root@kali:~# tmux ls
0: 3 windows (created Tue Jun 23 22:23:07 2020) (attached)
1: 1 windows (created Wed Jun 24 01:30:34 2020)
```

```
ctrl + b + !
```

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linux

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