

# Tmux

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## The Basics

Default Prefix: `Ctrl + b`

While in tmux, all commands start with the prefix key followed by another key. Important to note that, the only key should be held down is `Ctrl`. After prefix key is inputted, you can press other key to issue a tmux command.

## Getting started

Create a new session: `tmux new -s [Session Name]`

List tmux session: `tmux ls`

Attach a session: `tmux attach -t [Session Name or #]`

Detach current session: `Prefix + d`

Renaming the session:

- In current session: `Prefix + $`
- In terminal: `tmux rename-session -t [current-name] [new-name]`

## Panes Controls and Navigations

Vertical split: `Prefix + %` Horizontal split: `Prefix + "`

Move to pane: `Prefix + q + [Pane Number]`

Move to next pane: `Prefix + o`

Move to pane using direction keys: `Prefix + ←→↓↑`

Move to next session: `Prefix + ( or )`

Shows session windows: `Prefix + w`

Naming panes: `Prefix + <` then type in the name and press enter

Resize panes: `Prefix + Ctrl + [←→↓↑]` or `Prefix + Alt + [←→↓↑]`

Swapping panes: `Prefix + :` to enter commandline mode (similar to vim)

then type in command `swap-pane -s [source pane #] -t [destination pane #]`

For example, if you want to swap pane 2 and 4, in command line mode:

```
swap-pane -s 2 -t 4
```

Mouse can also be used to click the panes but this is not enabled by default. See tmux-conf for more details.

## Plugins

Install plugin manager:

```
git clone https://github.com/tmux-plugins/tpm ~/.tmux/plugins/tpm
```

Update the ~/.tmux.conf file. \*See Tmux conf

## Tmux-resurrect

Git [link](#)

Saving all current session and layouts: `Prefix + Ctrl-s`

Restore all sessions and layouts: `Prefix + Ctrl-r`

*Note: it's important to save the current layout in case the machine poweroff. All the tmux sessions, windows, and layout out will be lost if not saved. All ssh sessions will be lost however, but you can redeploy all the windows back quickly without having to set everything up again by using tmux-ressurrect plugin.*

## Vim-tmux-navigator

Navigation using vim shortcuts: `<C-[h,j,k,l]>`

Git [link](#)

## Tmux conf

Put this file as in the home directory under ~/.tmux.conf. And do `tmux source-file ~/.tmux.conf`

If you already have one then, you can use parts of this config that might be useful.

```
# List of plugins
set -g @plugin 'tmux-plugins/tpm'
set -g @plugin 'tmux-plugins/tmux-sensible'

# Other examples:
# set -g @plugin 'github_username/plugin_name'
# set -g @plugin 'github_username/plugin_name#branch'
# set -g @plugin 'git@github.com:user/plugin'
# set -g @plugin 'git@bitbucket.com:user/plugin'
set -g @plugin 'tmux-plugins/tmux-resurrect'
set -g @plugin 'tmux-plugins/tmux-continuum'
set -g @plugin 'christoomey/vim-tmux-navigator'

# Copy functionalities
set -g @plugin 'tmux-plugins/tmux-yank'
set -g @plugin 'tmux-plugins/tmux-copycat'
# To copy using mouse, put tmux in copy mode <prefix>[ and press 'v' to
enter visual copy

# Theme
```

```
set -g @plugin "janoamaral/tokyo-night-tmux"

# Synchronize panes rebind
bind C-Y set-window-option synchronize-panes

# Window resize bindings
bind-key -r -T prefix      M-Up          resize-pane -U 5
bind-key -r -T prefix      M-Down        resize-pane -D 5
bind-key -r -T prefix      M-Left        resize-pane -L 5
bind-key -r -T prefix      M-Right       resize-pane -R 5
bind-key -r -T prefix      C-Up          resize-pane -U
bind-key -r -T prefix      C-Down        resize-pane -D
bind-key -r -T prefix      C-Left        resize-pane -L
bind-key -r -T prefix      C-Right       rne -R

# Custom pane titles
set -g pane-border-status top
set -g pane-border-format "#{pane_index} #{pane_title}"
bind < command-prompt -p "New Title:" 'select-pane -T "%%"
set -g allow-rename off

# Mouse functionalities
set -g mouse on
setw -g mode-keys vi

# tmux-resurrect/tmux-continuum
set -g @resurrect-processes 'ssh psql mysql sqlite3'
set -g @resurrect-capture-pane-contents 'on'
set -g @continuum-restore 'on'
set -g @continuum-save-interval '5' # Saves session every 5 mins

# vim-tmux-navigator
bind C-l send-keys 'C-l' # fix clear screen use <prefix><C-l> to clear

# tmux-yank
set -g @yank_selection_mouse 'clipboard' # or 'primary' or 'secondary'
set -g @yank_with_mouse on # or 'off'

# Initialize TMUX plugin manager (keep this line at the very bottom of
tmux.conf)
run '~/.tmux/plugins/tpm/tpm'
```