TMUX Guide

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Chapter 1

TMUX commands

1.1 Installation

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

1.2 .tmux.conf

Note: First, create a file '.tmux.conf' in the 'home' folder. Here, The command 'ctrl-b' is replaced with 'crtl-a' along with some other changes.

```
# ~/.tmux.conf

# unbind default prefix and set it to ctrl-a
unbind C-b
set -g prefix C-a
bind C-a send-prefix

# make delay shorter
set -sg escape-time 0



#### key bindings ####

# reload config file
bind r source-file ~/.tmux.conf \; display ".tmux.conf reloaded!"

# quickly open a new window
bind N new-window

# synchronize all panes in a window
bind y setw synchronize-panes

# pane movement shortcuts (same as vim)
bind h select-pane -L
bind j select-pane -D
bind k select-pane -U
bind l select-pane -R

# enable mouse support for switching panes/windows
```

```
set -g mouse-utf8 on
set -g mouse on


#### copy mode : vim ####

# set vi mode for copy mode
setw -g mode-keys vi

# copy mode using 'Esc'
unbind [
bind Escape copy-mode

# start selection with 'space' and copy using 'y'
bind -t vi-copy 'y' copy-selection

# paste using 'p'
unbind p
bind p paste-buffer
```

1.3 Basic

Note: Below commands can be used in terminal for various 'tmux' operations e.g. start and stop etc.,

```
$ tmux
```

Command	Description
tmux	start tmux
tmux new -s <name>	start tmux with <name>
tmux ls	shows the list of sessions
tmux a #	attach the detached-session
tmux a -t <name>	attach the detached-session to <name>
tmux kill-session –t <name>	kill the session <name>
tmux kill-server	kill the tmux server

Note: Press 'ctrl-a' and then type the commands from the below tables,

1.4 Help

Command	Description
?	show the list of commands

1.5 Reload

Command	Description
r	reload .tmux.conf file

1.6 Sessions

Command	Description
s	list sessions
$	rename sessions
d	detach session

1.7 Windows

Note: ctrl-d can be used to close the window or panes **without** using ctrl-a.

Command	Description
w	list windows and select one
,	rename window
c or N	create new window
n	go to next window
p	go to previous window
f	find window
&	kill window
0-9	go to window 0-9

1.8 Panes (split windows)

Command	Description
%	vertical split
''	horizontal split
x	kill pane
o	go to next pane
h, j, k, l	go to next pane in vim-style
z	toggle full-screen mode for current pane
arrow keys	resize the pane
q	show pane-numbers

1.9 Commands

Command	Description
:	go to command mode

Next, type the commands as below,

Command	Description
list-keys	shows all the commands
list-panes	shows the names of all panes
resize-pane -D 20	resize down
resize-pane -U 20	resize up
resize-pane -L 20	resize left
resize-pane -R 20	resize right
swap-pane -s 3 -t 1	swap pane '1' with pane '3'

1.10 Copy mode

'Vim' mode is set in the .tmux.conf file and 'Esc' is used to enter into the 'copy mode',

Command	Description
Esc	go to copy mode

Note: Next use following commands **without** using 'ctrl-a'.

Command	Description
q	quit mode
j, k, l, h	down, up, right left
J or K	scroll down or up
F or B	go to next or previous page
$	go to end of line
0	go to beginning of line
w or b	go to next or previous word
/ or ?	search forward or backward
n	search next (use after above commands)
space	start selection
Esc	clear selection
y	copy section

Note: Use below command with 'ctrl-a' for paste-operation.

Command	Description
p	paste selection