

# tmux

Multiplexers can be used to reattach to previous sessions and manage clipboard content / session history. This means that when you close a terminal, the session still exists in the background and can be called to the foreground using your choice of tmux commands.

To reload your tmux config, press Ctrl+B and then : to bring up a command prompt, and type the following command in the prompt -

```
:source-file ~/.tmux.conf
```

This will reload the changes made in your configuration and apply them to all active tmux sessions

Start tmux with the `-u` flag to enable utf8 support -

```
tmux -u  
alias tmux='tmux -u'
```

## Session / Server Management

```
# Start the tmux server  
# If ran while a tmux server is active, Tmux will not allow you to nest servers within eachother  
tmux  
tmux list-commands  
# List active tty sessions tracked by the local tmux server  
tmux list-sessions  
# Interactive terminal to choose from previous sessions. Shows a thumbnail of the session in its last known state  
tmux choose-session  
  
# If you are running on a potato, you might need to use the following commands periodically to clean up your  
server as it will consume significant RAM.  
  
# Kills all sessions, without killing the server.  
# This command can confuse the interface / tmux status if you utilize session ID within your tmux status bar.  
# ie.) If you run this on an active server within session ID 25, all sessions will be killed but your new session IDs  
will not reset to 1..2.. etc
```

```
# To fix this, restart your tmux server
tmux kill-session -a

# Kill tmux server, this will close ALL terminals and any WIP will be lost if it has not been saved.
tmux kill-server
```

## Configuration / Status

Tmux has a very nice interface which can be customized to suit your needs and display the information relevant to your environment. This can be found in the `~/.tmux.conf` file but is recommended to be customized within the `~/.tmux.conf.local` file.

Some useful settings can be found below, taken from my [Dotfiles Repository](#)

```
# .tmux.conf
#
# If symbols or powerline layout fail to appear...
#+ Check your terminal emulator font settings include these fonts
#+ Check that required fonts are installed
#
# Note: The use of 256colours in this file allows for portable color definitions between platforms and applications
#+ Changing to a different color interpretation may result in some apps displaying colors differently than others
#+ Vim plugin 'Colorizer' does not reflect the actual 256colour values
#+ See https://jonasjacek.github.io/colors/ for a full list of 256colours

# Mouse interaction
set -g mouse on

# Status bar location
set-option -g status-position top

# Status update interval
set -g status-interval 1

# Basic status bar colors
set -g status-style fg=colour240,bg=colour233

# Left side contents of status bar
set -g status-left-style bg=colour233,fg=colour243
set -g status-left-length 40
# Note: No bold required, no BG reveal produced by symbol gaps on left side
```

```

#+ Font: Powerline Consolas

#+ Some unicode characters may not appear when viewing this code via web browser

#+ Symbols below are 'left_hard_divider' and can be seen here (https://www.nerdfonts.com/cheat-sheet)
set -g status-left "[fg=colour233,bg=colour100,bold] #S #[fg=colour100,bg=colour240,nobold]
#[fg=colour233,bg=colour240] #(uname -m)#F #[fg=colour240,bg=colour235]
#[fg=colour240,bg=colour235] #l:#P #[fg=colour235,bg=colour233] #[fg=colour240,bg=colour233]
#(uname -r)"

# Above, we use the #(COMMAND) syntax to print the output of COMMAND to the tmux status bar.
# #l, #P, #F above are all tmux custom variables which can be found in the tmux manpage.


# Right side of status bar
set -g status-right-style bg=colour233,fg=colour243
set -g status-right-length 150
# Hide right bar entirely
#set -g status-right ""


# Note: Powerline font requires alternate of bold on right side
# Corrects gap on right of character that reveals BG color
#+ Font: Powerline Consolas

#+ Some unicode characters may not appear when viewing this code via web browser

#+ Symbols below are 'right_hard_divider' and can be seen here (https://www.nerdfonts.com/cheat-sheet)
set -g status-right "[fg=colour235,bg=colour233,bold] #[fg=colour240,bg=colour235,nobold] %H:%M:%S
#[fg=colour240,bg=colour235,bold] #[fg=colour233,bg=colour240,nobold] %d-%b-%y
#[fg=colour100,bg=colour240,bold] #[fg=colour233,bg=colour100,bold] #H "


# Window status (Centered)
set -g window-status-current-format "[fg=colour255,bg=colour233] #[fg=colour100,nobold] #(whoami)@#H
#[fg=colour255,bg=colour233,nobold] "
# Current window status
set -g window-status-current-style bg=colour100,fg=colour235
# Window with activity status
set -g window-status-activity-style bg=colour233,fg=colour245
# Window separator
set -g window-status-separator ""
# Window status alignment
set -g status-justify centre


# NOTE

# These are just SOME useful settings and not a complete configuration. See
https://gitlab.com/shaunrd0/dot/blob/master/.tmux.conf for a full configuration that I use / edit frequently. It may

```

look very different then the above, but uses the same ideas.

Want your current working directory to show some git repository information in your status bar?

## Gitmux

```
 #(date) # Run a shell command in status bar
 #I []# Window index
 #S []# Session name
 #W []# window name
 #F []# window flags
 #H []# Hostname
 #h []# Hostname, short
 #D []# pane id
 #P []# pane index
 #T []# pane title
 C-b [    # Enter scroll mode then press up and down
 C-b ? []# Show help
```

## tmux reference guide

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