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# **rft (rofi-tmux) Documentation**

***Release 0.1***

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Quickly switches tmux sessions, windows and tmuxinator projects on [rofi](#). Integrates with [i3wm](#) for a smoother switching workflow, if you have multiple workspaces.

## 1.1 Use Case

I developed rft (rofi-tmux) to optimize my context-switching workflow. As a user who rely completely on tmux for anything shell related, I wanted to have a fuzzy finder switcher, to locate any tmux session or window with seamless integration with i3wm. I guess I've got spoiled by fuzzy finders. Watch the screencast in the Usage section and you'll see what I mean :)

## 1.2 Features

- Switch or kill any tmux session.

- Switch or kill any tmux window, either globally or within the current session.
- Switch to any tmuxinator project.
- Cache last tmux session and window for fast switching back and forth, decreases the number of keystrokes.
- Integration with i3wm for switching to the right workspace seamlessly.
- Extensible for other window managers.

## CHAPTER 2

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### Installation

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Simply pip3 install:

```
pip3 install rofi-tmux --user -U
```





## CHAPTER 3

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### Dependencies

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Optional (but recommended) dependency is `xprop`, which will be used to query `tmux` window visibility.



# CHAPTER 4

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## Configuration

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All configuration is optional, and is to be written in a json file at `~/ .rft`.

- `wm`

Defines which window manager we want to integrate with for smoother context-switching. With this integration, as soon as you switch context, rofi-tmux will automatically focus window where tmux is running. Currently the only supported window manager is `i3`, which is the default value.

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**Note:** Feel free to send pull requests for other window managers that support multiple workspaces.

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- `tmux_title_rgx`

Only applicable when `wm` config is set. This is the regular expression used by window-manager integration logic to locate the window housing specific tmux session. Generally you'd like this (roughly) to match your tmux configuration. The pattern also supports two optional placeholders that will be automatically expanded:

- `{session}` will be expanded into tmux session name
- `{window}` will be expanded into tmux window name

Eg if you have set `-g set-titles-string "#S / #W / #T"` in your `.tmux.conf`, you might want to set to this value:

```
{
  "tmux_title_rgx": "^{session} / {window} / "
}
```

- `ignored_sessions`

Optional list of tmux session names that should be ignored when building the selection menu. Eg:

```
{
  "ignored_sessions": ["session-name", "other-session-name"]
}
```

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**Note:** If you want to change the algorithm rofi uses, you should change it on rofi rc configuration file itself, “~/.config/rofi/config”, for example to uses the fuzzy matcher you should set rofi.matching attribute as “fuzzy”.

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## 4.1 config example using i3wm

```
{
  "wm": "i3",
  "tmux_title_regex": "^tmux-{session}-{window}",
  "ignored_sessions": ["session-name-to-ignore"]
}
```

## CHAPTER 5

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### Usage

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Two things you have to keep in mind when using rft:

1. rft doesn't launch a terminal automatically for you, so, if you don't have a tmux session attached yet you're supposed to run rft in the terminal (`rft ss` or `rft lp`).
2. rft caches the last tmux session/window you have switched from, so it automatically pre-selects it in the rofi prompt, except if you are in a different workspace, where rft assumes that you probably want to switch over to the same session/window you were before/that is currently opened.

I recommend that you have shortcuts with control modifiers for rft, so if you always have a tmux session running, it's going to be really fast to find this session and switch to it. For example, I use these key bindings on i3wm for launching rft:

```
bindsym $mod+y exec "$HOME/.local/bin/rft lp"
bindsym $mod+e exec "$HOME/.local/bin/rft ss"
bindsym $mod+w exec "$HOME/.local/bin/rft sw"
bindsym $mod+Shift+d exec "$HOME/.local/bin/rft ks"
bindsym $mod+Shift+w exec "$HOME/.local/bin/rft kw"
bindsym $mod4+g exec "$HOME/.local/bin/rft sw --global_scope false"
```

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**Note:** If you have pip3 installed with the `--user` flag the executable will be in `~/$HOME/.local/bin/rft`.

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The first three are the ones that I use the most. They're for loading a tmuxinator project (`lp`), switching to a session (`ss`) and switching to a window globally (`sw`). So, I set some keys that are near my home row. If you want to check all rft actions available:

```
rft
Usage: rft [OPTIONS] COMMAND [ARGS]...

RFT (rofi-tmux) switcher.

Options:
  --debug BOOLEAN  Enables logging at debug level.
```

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```
--help          Show this message and exit.

Commands:
  ks  Kill tmux session.
  kw  Kill tmux window.
  lp  Load tmuxinator project.
  ss  Switch tmux session.
  sw  Switch tmux window.
  v   Print version.
```

## 5.1 Screencast

Watch this screencast to see rft in action: