Tmux Configuration

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1 About

Tmux is a terminal multiplexer, which allows multiple terminal sessions to be created, accessed, and managed from a single screen. Tmux may be detached from a screen and continue running in the background, then later reattached.

2 Installation

To install tmux on Debian-based systems, you can use the package manager:

```
sudo apt update
sudo apt install tmux
```

3 Configuration

To use this configuration, follow these steps:

1. Clone the dotfiles repository to your local machine:

   ```
   git clone https://github.com/5n00py/dotfiles.git
   ```

2. Create a symbolic link from `~/.tmux.conf` to `/dotfiles/tmux/tmux.conf`:

   ```
   ln -s ~/dotfiles/tmux/tmux.conf ~/.tmux.conf
   ```

3. Start a new tmux session.

4. You may need to install the plugins specified in this configuration file. Use the Tmux Plugin Manager (TPM) to install the plugins by pressing `prefix + I` within tmux.

4 Dependencies

The following dependencies are required to use this tmux configuration:

- tmux: Terminal multiplexer.

- Tmux Plugin Manager (TPM): Plugin manager for tmux.

- xclip: Command-line interface to the X11 clipboard.

- tree: Recursive directory listing program.

- tmux-sensible: Set of sensible tmux options.

- tmux-resurrect: Save and restore tmux sessions.

- tmux-continuum: Continuous saving of tmux environment.

- tmux-net-speed: Display network speed in the status bar.

- tmux-cpu: Display CPU usage and load in the status bar.

- tmux-sidebar: Quick navigation through files and directories.

5 Keybind Overview

5.1 Prefix

- `<Ctrl-Space>` - Main prefix key for all tmux commands

5.2 General

- `prefix + r` - Reload configuration file

- `prefix + s` - Toggle the status bar on and off

- `prefix + q` - Detach from the current tmux session

- `prefix + Tab` - List active sessions to choose one to switch to

5.3 Pane Management

- `prefix + /` - Split window horizontally

- `prefix + |` - Split window horizontally

- `prefix + 7` - Split window horizontally

- `prefix + -` - Split window vertically

- `M-Left` - Select pane to the left

- `M-Right` - Select pane to the right

- `M-Up` - Select pane above

- `M-Down` - Select pane below

- `prefix + h` - Select pane to the left

- `prefix + l` - Select pane to the right

- `prefix + j` - Select pane below

- `prefix + k` - Select pane above

- `prefix + J` - Resize the current pane 5 cells down (non-repeatable)

- `prefix + K` - Resize the current pane 5 cells up (non-repeatable)

- `prefix + H` - Resize the current pane 5 cells to the left (non-repeatable)

- `prefix + L` - Resize the current pane 5 cells to the right (non-repeatable)

- `prefix + Left Arrow` - Resize the current pane 5 cells to the left (repeatable)

- `prefix + Right Arrow` - Resize the current pane 5 cells to the right (repeatable)

- `prefix + Up Arrow` - Resize the current pane 5 cells up (repeatable)

- `prefix + Down Arrow` - Resize the current pane 5 cells down (repeatable)

5.4 Copy Mode

- `prefix + v` - Enter copy mode

- `prefix + p` - Paste buffer

- `space` (in copy mode) - Start selection

- `y` (in copy mode) - Copy selection to system clipboard

- `Escape` - Exit copy mode (vi mode)

5.5 Plugins

- `prefix + I` - Install new plugins (TPM command)

- `prefix + w` - Save the current tmux session (tmux-resurrect)

- `prefix + Tab` - Toggle sidebar with a directory tree (tmux-sidebar)

- `prefix + Backspace` - Toggle sidebar and move cursor to it (tmux-sidebar)

6 References

6.1 External Resources

- tmux Guide: `https://tmuxguide.readthedocs.io`

- tmux Github: `https://github.com/tmux/tmux`

- tmuxcheatsheet: `https://tmuxcheatsheet.com`

- tmux Plugin Manager (TPM): `https://github.com/tmux-plugins/tpm`

6.2 Manual Pages

For a comprehensive list of all available tmux commands and their descriptions, refer to the man pages by typing `man tmux` into your terminal.

6.3 Useful Commands

- Start new session: `tmux new -s [session name]`

- Attach to existing session: `tmux attach -t [session name]`

- List all sessions: `tmux ls`

- Detach from current session: `tmux detach`

- Kill session: `tmux kill-session -t [session name]`

For a full list of commands and key bindings in tmux, you can use the command-prompt within a tmux session: `prefix + :list-commands` and `prefix + :list-keys`.