Nvim setup guide

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Hi world! This is the first document. Let me talk about how do we install a workable nvim in every computer.

1 Introduction

So basically I have created a `~/.config/nvim/` folder that contains most of my personal configuration.

My nvim mainly contains three functions:

1. LSP support for autocomplete(meaning suggestions box), hover, linter (warning besides the code to tell you compilation error), code actions, definition and so on.
2. Notes-taking support with vim + latex + Ultisnip.
3. A find and go workflow: mainly achieved by using fzf. Navigate a folder by searching filename. Navigate a file by searching keyword. Navigate a project by searching keyword projectwise.

2 Major Steps

Step 1: Install the relevant stuff in the computer first. e.g. fzf, python, node.js, ruby, universal ctag?

Step 2: Install paq, a vim plugin manager written in lua.

Step 3: git pull the `~/.config/nvim/` folder then start to experiment every featuers.

I guess this is basically the setup guide for my nvim. I will need experiment to see if they really work.

2.1 Installation and configuration of LSP

Step 1: Install the LSP you want with the plugin Mason.

Step 2: You will need to go `nvim-lspconfig/server_configurations.md` to check what your LSP is named.

Step 3: add the server name to file `init.lua` to start the server.

2.2 Configuration of notes-taking part

Step 1: install zethura on your linux computer or wsl.

Step 2: Make sure a x server (eg vcsxrv), x11-apps and dbus-x11 are installed in your ubuntu/debian linux. Remember to put the following lines in the .bashrc file:

```
# in WSL 2
export DISPLAY=$(awk '/nameserver / {print $2; exit}' /etc/resolv.conf 2>/dev/null):0
export LIBGL_ALWAYS_INDIRECT=1
```

Step 3: the forward search and inverse search should be working by now.