A Fast Guide on Writing LaTeX with LaTeX Workshop in VS Code

mathjiajia.github.io/vscode-and-latex

30 November 2021

Jia Jia included in category tools and series Editors
2021-11-30 2022-08-01 453 words 3 minutes views comments

Series - Editors

- A Fast Guide on Writing LaTeX with LaTeX Workshop in VS Code
- A Quick Guide on Writing LaTeX in Neovim

There are dozens of TeX editors so far, such as Texpad and WinEdt.

After encountered some wired bugs on Texpad, I decided to use native TeX Live / MacTex. However, TexShop (on macOS) does not have a pretty highlight system. It seems that the Visual Studio Code is one of the beast choice.

Step 1. Download & Install TeX Live

Windows users: download `texlive.iso` here.

Mac users: download `MacTeX.pkg` here.

Here are some references for the installation:

- TeX Live on Windows
- Installing MacTeX

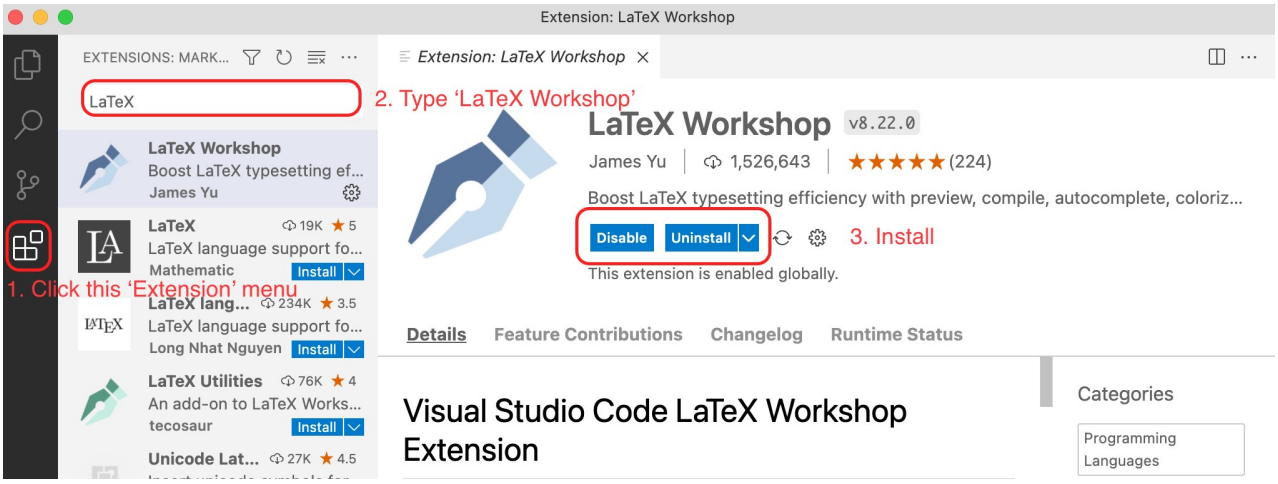
For Windows users, after installation, you should add TeX Live executables to your system `PATH`.

Step 2. Download & Install Visual Studio Code

You can download it here. The installation is easy.

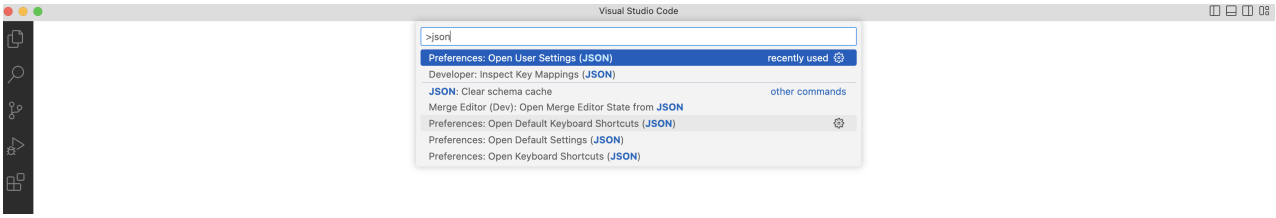
Step 3. Install & Configure LaTeX Workshop

Follows the screenshot below to install the extension `LaTeX Workshop`.



install-extension

After doing that, you may press `Shift` + `Ctrl` + `P` (Windows) or `Shift` + `Cmd` + `P` (macOS) to show all commands. Then type `Open User Settings JSON` and open the first item (as shown below).



open-json

Now copy and paste the following two snippets into your `json` file (inside the brackets `{}` of your file).

```
"latex-
workshop.latex.tools": [
 {
  "name": "latexmk",
  "command": "latexmk",
  "args": [
   "-synctex=1",
   "-
interaction=nonstopmode",
   "-file-line-error",
   "-pdf",
   "-outdir=%OUTDIR%",
   "%DOC%"
  ],
  "env": {}
 },
 {
  "name": "xelatex",
  "command": "xelatex",
```

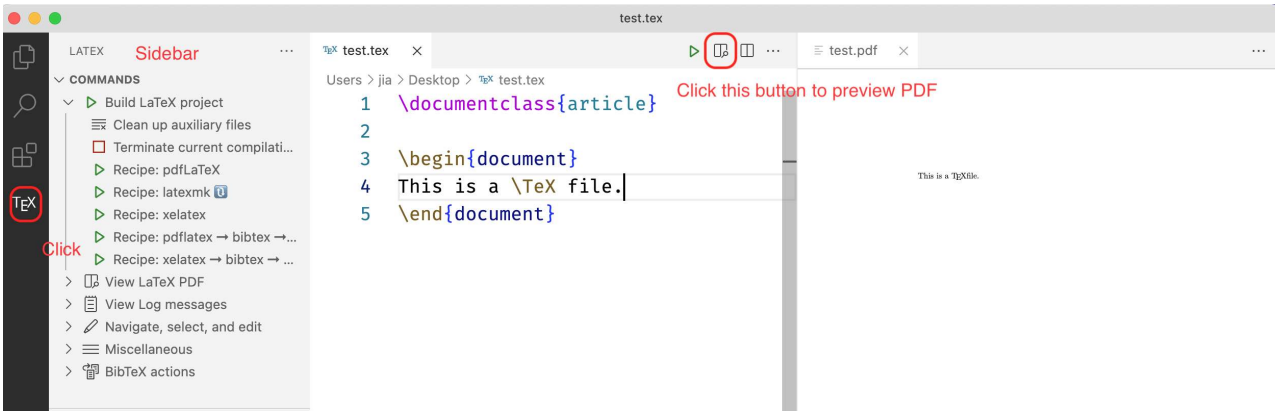
```
  "args": [
   "-synctex=1",
   "-
interaction=nonstopmode",
   "-file-line-error",
   "%DOC%"
  ],
  "env": {}
 },
 {
  "name": "pdflatex",
  "command": "pdflatex",
  "args": [
   "-synctex=1",
   "-
interaction=nonstopmode",
   "-file-line-error",
   "%DOC%"
  ],
  "env": {}
 },
 {
  "name": "bibtex",
  "command": "bibtex",
  "args": [
   "%DOCFILE%"
  ],
  "env": {}
 }
],
```

```
"latex-workshop.latex.recipes": [
 {
  "name": "pdfLaTeX",
  "tools": [
   "pdflatex"
  ]
 },
 {
  "name": "latexmk 🔃",
  "tools": [
   "latexmk"
  ]
 },
 {
```

```
  "name": "xelatex",
  "tools": [
   "xelatex"
  ]
 },
 {
  "name": "pdflatex → bibtex →
pdflatex`×2",
  "tools": [
   "pdflatex",
   "bibtex",
   "pdflatex",
   "pdflatex"
  ]
 },
 {
 "name": "xelatex → bibtex →
xelatex`×2",
 "tools": [
   "xelatex",
   "bibtex",
   "xelatex",
   "xelatex"
  ]
 }
]
```

Step 4. Write & Compile

Now you may open a `tex` file or create a new one. If you want to compile the file, press `Ctrl` + `Alt` + `B` (Windows) or `option` + `Cmd` + `B` (macOS). Moreover, you may choose another recipes from the sidebar. There is a button in the right top corner to preview `PDF` file.



tex-recipes

Reference: LaTeX-Workshop Wiki

Nickname

Email

Website

0/500

No comment

Load more

Powered by Twikoo v1.6.16