Vim Up your LaTeX

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Table of Contents

Contents

Figure 1: Vim

Vim is hard

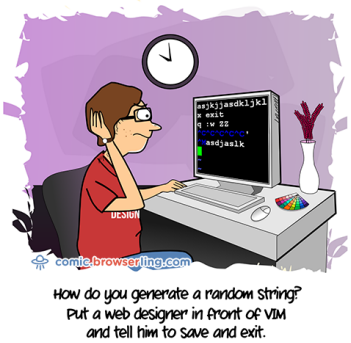

Figure 2:

This is Vim

- Vim = Vi improved, it is an improvment over the old editor Vi
- It does have three modes **normal, visual and insert**
- It does have a really hard learning curve, but it is worth it!
- Configure it with the vimrc file

1.2 What do we need?

Requirements

Please keep in mind: those are only my recommendations. There are various other possibilities.

- An Unix like operating system. For running Vim natively.
- vim-latex, the LaTeX plugin.
- A PDF reader which supports PDF-TeX Sync. You can use Skim for example.
- gVim

2 Working with Vim

2.1 Compiling with Vim

Compile

The fastest way to this is to use one of many vim-latex shortcuts

- \ll ... two lower case L
- You can also set compilation rules. Either with menu TeX-Suit or with the command g:Tex_CompileRule_<format>
- Take a look here: `http://vim-latex.sourceforge.net/documentation/latex-suite/compiler-rules.html`

2.2 Navigating Code

Use the Power of Vim to navigate through your code

- Just use the normal Vim commands to move around.
- h ... left
- j ... down
- k ... up
- l ... right

Those letters may seem arbitary, but just take a look at your keyboard ☺

Jump Points

vim-latex uses jump points. Everytime you generate something with vim-latex it creates those points. It may be disturbing at the beginning, since you are getting used to it, it becomes really handy

- You can jump there in normal mode or even the insert mode.
- The shortcut is **CTRL + j**

Jump Points

```
\begin{figure}[<+htpb+>]
  \centering
  \includegraphics{<+file+>}
  \caption{<+caption text+>}
  \label{fig:<+label+>}
\end{figure}<++>
```

Listing 1: Jump Points

2.3 Helpful Shortcuts

A List of handy Shortcuts

Just type them in, they even work directly in the insert mode.

- SSE for section
- SSS for subsection
- more section mappings can be found here: `http://vim-latex.sourceforge.net/documentation/latex-suite/section-mappings.html`
- EFI for images
- All mappings can be found here: `http://vim-latex.sourceforge.net/documentation/latex-suite.html`

3 Setup Guide

3.1 Setup

Recommended Setup

- gVim
- Vundle
- Skim
- vim-latex

3.2 Installation

Installation Steps

1. Install gVim
2. Setup Vundle
3. Edit your .vimrc file
4. Install vim-latex
5. Start working

~/.vimrc

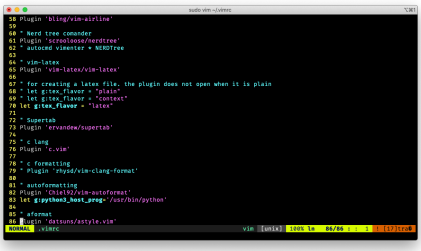

Figure 3: vimrc

3.3 Guide

Download the Complete Guide

- You can find a complete installation guide in the paper on Github.
- `https://github.com/x21L/vim-up-your-latex`

4 Vim vs. TeXstudio

4.1 Pros

Vim over TeXstudio

- Really fast
- Great UI
- Extremly customizable
- Nearlly unlimited possibilities
- Versioning vimrc files with git → same config on different systems

4.2 Cons

TeXstudio over Vim

- Feature rich
- Easy to use
- Download and go
- Runs easily on every major system

5 Outlook

5.1 Alternatives to vim-latex

- vimtex
- Just Vim with latexmk
- latex-box
- Take a look at `https://vimawesome.com/?q=latex`

5.2 Download it from Github

- `https://github.com/x21L/vim-up-your-latex`
- You can also find an A4 version of the slides there.

- You can exit and save with **:wq**

5.3 Live Demo

Demo Time

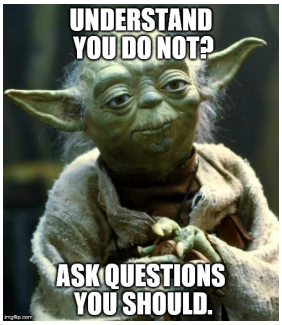

Figure 4: Questions