

# otl2latex

## User's Guide

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## 1 Introduction

- What is otl2latex?
- Requirements

## 2 Usage

- Basics
- Vim mappings
- Future Extensions

## otl to tex

otl2latex allows you to

- prepare your document in a powerful outliner
- generate  $\text{\LaTeX}$  markup of your content

## Operating Systems Supported

otl2latex has been used successfully on

- Linux
- Mac OS X
- Windows

## Packages and Programs

- Python <http://www.python.org>
- L<sup>A</sup>T<sub>E</sub>X
- Beamer <http://latex-beamer.sourceforge.net/>
- The Vim Outliner <http://bike-nomad.com/vim/vimoutliner.html>

## From the command line

```
python otl2latex.py -p filename.otl filename.tex
```

## Notes

- `filename.tex` will be generated, you don't edit that one.
- You can run all this from within Vim (see Vim Mappings below).

## Presentations/Beamer

- Level 1 in the outline become sections
- Level 2 in the outline become subsections
- Level 3 in the outline become frame titles
- Level 4 in the outline become block titles
- Text in the outline is treated as  $\text{\LaTeX}$  markup

## Using Bullets

Placing a `'*` at the beginning of a line will tell `otl2latex` to begin an itemize list. `otl2latex` currently supports 3 levels of Itemization.

- First Level
  - Second Level
    - Third Level
  - Second Level

## Tips

- Level 4 can be omitted
- You will have no blocks on that frame

## Processing

- ,b will generate a pdf file from your outline
- ,nb will remove all empty lines in your otl file
- ,p will run the current vim buffer through pdflatex

## Lists

- `,i` on the first line will create an itemized list of a block of lines
- `,t` will mark a block as otl text
- `,l` itemize and mark block as otl text

You need to have a blank line at the end of the block to apply these.

## Figures

- ,f (insert mode) will generate stub for figures

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## .vimrc to otl2latex.vim

- Currently we are just embedding mappings in .vimrc
- Ok for testing, not very polished for end user

## latex2otl

- take a tex file
- generate the otl file