

# tex2pdf Usage

Frank Xu

# Contents

<b>1</b>	<b>About</b>	<b>2</b>
<b>2</b>	<b>Requirements</b>	<b>3</b>
2.1	Install TexLive . . . . .	3
2.2	Install minted package and pygments . . . . .	3
<b>3</b>	<b>Usage</b>	<b>4</b>

# 1 About

tex2pdf is a Golang package used to compile Tex files to a PDF via XeLatex Engine.

## 2 Requirements

### 2.1 Install TeXLive

tex2pdf calls ‘xelatex’ command which comes with installation of TeXLive. Download and Install TeXLive(”scheme-full” is recommended).

### 2.2 Install minted package and pygments

minted package is used for code highlighting. Our test case includes compiling ‘.tex’ file which uses minted for code highlighting(”src/02-usage.tex”).

1. Download and Install pygments which is required by minted.
2. Install minted package is if need. TeXLive Installation with ”scheme-full” includes minted package.

### 3 Usage

```
package main

import (
    "fmt"
    "log"

    "github.com/northbright/tex2pdf"
)

func main() {
    // Use DEBUG mode.
    tex2pdf.DebugMode = true

    texFile := "src/my_book.tex"

    // Compile a tex file to PDF.
    pdf, err := tex2pdf.Tex2PDF(texFile)
    if err != nil {
        log.Printf("Tex2PDF() error: %v", err)
        return
    }

    fmt.Printf("Tex2PDF OK, output pdf: %v\n", pdf)

    // Output:
    //Tex2PDF OK, output pdf: src/my_book.pdf
}
```