go-mdtopdf-helper

A command-line tool that automatically converts Markdown files to PDF using wkhtmltopdf. Perfect for maintaining PDF documentation alongside your Markdown files in Git repositories.

Features

- Converts Markdown files to high-quality PDFs
- Can run as a Git pre-commit hook
- Recursive directory scanning
- Parallel file processing
- Cross-platform support (Windows, Linux, macOS)
- Automatic detection of wkhtmltopdf installation

Prerequisites

This tool requires wkhtmltopdf to be installed on your system. The application will check for its presence in standard installation locations:

```
• Windows: C:\Program Files\wkhtmltopdf\bin
```

- ullet Linux: /usr/local/bin/wkhtmltopdf or /usr/bin/wkhtmltopdf
- macOS: /usr/local/bin/wkhtmltopdf or via Homebrew

If wkhtmltopdf is not found, you will be prompted to install it.

Installation

```
go get github.com/Warky-Devs/go-mdtopdf-helper
```

Usage

Basic Usage

Convert Markdown files in the current directory:

```
go-mdtopdf-helper
```

Command Line Options

Git Pre-commit Hook

To use as a Git pre-commit hook:

- 1. Create a file named pre-commit in your repository's .git/hooks/ directory
- 2. Add the following content:

```
#!/bin/sh
go-mdtopdf-helper -hook
```

1. Make the hook executable:

```
chmod +x .git/hooks/pre-commit
```

When enabled as a pre-commit hook, the tool will: 1. Detect staged Markdown files 2. Ask for confirmation before conversion 3. Convert files to PDF 4. Automatically stage the generated PDFs

PDF Output Configuration

The generated PDFs are configured with: - 300 DPI resolution - 15mm margins on all sides - Local file access enabled for images - Support for common Markdown extensions

Contributing

Contributions are welcome! Please feel free to submit a Pull Request. Here's how you can contribute:

- 1. Fork the repository
- $2. \ \ Create\ your\ feature\ branch\ (\texttt{git}\ \texttt{checkout}\ \texttt{-b}\ \texttt{feature/AmazingFeature})$
- 3. Commit your changes (git commit -m 'Add some AmazingFeature')
- 4. Push to the branch (git push origin feature/AmazingFeature)
- 5. Open a Pull Request

Development Setup

- 1. Clone the repository
- 2. Install dependencies:

```
go mod download
```

- 3. Make your changes
- 4. Run tests:

```
go test ./...
```

Dependencies

- go-wkhtmltopdf Go wrapper for wkhtmltopdf
- gomarkdown Markdown parser and HTML renderer

License

This project is licensed under the MIT License - see the LICENSE file for details.

Acknowledgments

- Thanks to SebastiaanKlippert for the go-wkhtmltopdf library
- Thanks to the gomarkdown team for their Markdown parser