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`
- 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

```
go-mdtopdf-helper [options]

Options:
  -dir string
        Directory to scan for markdown files (default ".")
  -recursive
        Scan directories recursively (default true)
  -parallel
        Convert files in parallel (default true)
  -hook
        Run as git pre-commit hook
```

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 (`git checkout -b 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