2PDF

Converts Markdown and HTML files to PDFs with token replacement, styling, and some handy content processing features.

What it does

- Converts Markdown and HTML to PDF using Chrome/Puppeteer
- Replaces tokens like `2025-09-13` and `Test Developer`
- Applies Inter font styling and consistent layout
- Handles PDF-only content sections
- Supports page breaks and special formatting
- Works on macOS, Linux, and Windows

Usage

```
# Install dependencies first
npm install

# Basic usage
node bin/2pdf.js                    # converts README.md
node bin/2pdf.js myfile.md          # converts specific markdown file
node bin/2pdf.js myfile.html        # converts specific HTML file
node bin/2pdf.js myfile.md -o out.pdf # custom output name

# Other options
node bin/2pdf.js myfile.md -s custom.css  # custom CSS
node bin/2pdf.js myfile.md --debug        # keep temp files
node bin/2pdf.js myfile.md --verbose      # more output
```

Token replacement

The token system lets you insert dynamic content into your markdown files using `{{TOKEN_NAME}}` placeholders.

Configuration file

Create a `2pdf.config` file in your project root or the 2pdf directory:

```
# 2pdf.config - key=value pairs, one per line
DEVELOPER_NAME=John Doe
COMPANY_NAME=Acme Corp
PROJECT_VERSION=1.0.0
CLIENT_NAME=Big Corp Inc
```

```
DOCUMENT_TYPE=Technical Specification
CUSTOM_FOOTER=Confidential - Internal Use Only
```

Using tokens in markdown

Tokens are replaced everywhere they appear in your markdown:

```
# 2PDF Test Project {{DOCUMENT_TYPE}}

**Version:** 1.0.0
**Created by:** Test Developer at Test Company
**Client:** {{CLIENT_NAME}}
**Generated:** September 13, 2025 at 10:23


---
{{CUSTOM_FOOTER}}
```

Automatic tokens

These tokens are always available without defining them:

Date and time:
- `2025-09-13` - Current date (2024-01-15)
- `September 13, 2025` - Current date (January 15, 2024)
- `10:23` - Current time (14:30)
- `2025-09-13 10:23` - Date and time (2024-01-15 14:30)
- `2025` - Current year (2024)
- `09` - Current month (01)
- `13` - Current day (15)
- `1757784180` - Unix timestamp (1705123456)

System info:
- `Feral-Macbook.local` - System hostname (MacBook-Pro.local)
- `ziad` - Current user (john)
- `/Users/ziad/www/ezzat/2pdf` - Current working directory (/Users/john/projects)

Project info:
- `2PDF Test Project` - Auto-generated from directory name

Token processing

- Tokens are processed in **multiple passes**, so you can reference other tokens
- **Case sensitive** - `{{name}}` and `{{NAME}}` are different
- **Whitespace matters** - `{{ NAME }}` won't work, use `{{NAME}}`
- **Nested replacement** - If `GREETING=Hello ziad`, it becomes "Hello john"
- **Missing tokens** are left as-is (useful for debugging)

Config file locations

The system looks for `2pdf.config` in this order:

1. Same directory as the markdown/HTML file being converted
2. Current working directory
3. 2pdf installation directory

Example workflow

```
# 1. Create config file
echo "PROJECT_VERSION=2.1.0" > 2pdf.config
echo "DEVELOPER_NAME=Jane Smith" >> 2pdf.config

# 2. Use in markdown
echo "# Project v1.0.0 by Test Developer" > doc.md

# 3. Convert
node bin/2pdf.js doc.md

# Result: "Project v2.1.0 by Jane Smith" in the PDF
```

Special content features

PDF-only content

Content that only shows up in the PDF:

```
<!-- PDF ONLY This text will only appear in the PDF version. You can put multiple lines here.-->
```

Page breaks

Force a page break:

```
Some content here...<!-- PAGE-BREAK -->
This will be on the next page.
```

Live site shields

Style a paragraph as a badge/shield:

```
<!-- live-site-shield -->
Live Site: https://example.com
```

🌐 Live Site https://example.com

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