

 waxzce and claude	Bump version to...	ef5adac · 7 minutes ago
 .github/workflows	Fix Homebrew tap w...	18 hours ago
 assets	Set application wind...	10 minutes ago
 bench	Bootstrap mdr proje...	2 days ago
 src	Set application wind...	10 minutes ago
 tests	Fix flaky stdin_pipe_c...	1 hour ago
 .gitignore	Bootstrap mdr proje...	2 days ago
 CHANGELOG.md	Bump version to 0.2....	7 minutes ago
 Cargo.toml	Bump version to 0.2....	7 minutes ago
 PACKAGING.md	Add WinGet + AUR ...	yesterday
 README.md	Update README wit...	yesterday
 SPEC.md	Bootstrap mdr proje...	2 days ago
 flake.nix	Add in-document se...	yesterday
 test.md	Add image support, ...	yesterday

README



mdr — Markdown Reader

A lightweight, fast Markdown viewer with Mermaid diagram support and live reload. Built in Rust.

Why mdr?

Built for the LLM era. AI tools generate Markdown constantly — code documentation, technical specs, analysis reports — packed with diagrams, tables, and structured content. You need a fast way to read them.

Most developers end up previewing Markdown in VS Code, pasting into a browser, or squinting at raw text in the terminal. None of these handle Mermaid diagrams. None are instant. mdr is.

- **One command** — `mdr file.md` and you're reading, not editing
- **Native Rust binary** — no Electron, no Node.js, no npm, starts in milliseconds
- **Mermaid diagrams** — flowcharts, sequence diagrams, pie charts rendered as SVG natively (no headless browser)
- **Three backends** — full GUI (egui), native webview (WebKit/WebView2), or terminal UI (TUI) over SSH
- **Live reload** — edit your file or let your AI tool regenerate it, see changes instantly
- **In-document search** — `Ctrl+F / /` to find text across all backends

Backends

mdr offers multiple rendering backends, selectable at runtime:

Backend	Stack	Strengths
egui (default)	Pure Rust GPU rendering	Single static binary, fast startup, cross-platform
webview	OS native WebView (WebKit/WebView2)	GitHub-quality HTML/CSS rendering, full CSS support
tui	Terminal UI (ratatui + crossterm)	Works over SSH, no GUI needed, keyboard-driven

Install

From source

```
git clone https://github.com/CleverCloud/mdr.g
cd mdr
cargo install --path .
```

Build with specific backends only

```
# egui only (smaller binary, no WebView dependencies)
cargo install --path . --no-default-features --features egui
```

```
# webview only
cargo install --path . --no-default-features --features webview
```

Homebrew (macOS/Linux)

```
brew tap CleverCloud/misc
brew install mdr
```

Nix

```
nix run github:CleverCloud/mdr
```

Pre-built binaries

Download from the [Releases](#) page for macOS, Linux, and Windows.

Usage

```
# Open with default backend (egui)
mdr README.md
```

```
# Open with webview backend
mdr --backend webview README.md
```

```
# Open in terminal (TUI)
mdr --backend tui README.md
```

```
# Show help
mdr --help
```

TUI keybindings

Key	Action
q / Esc	Quit
j / ↓	Scroll down
k / ↑	Scroll up
Space / PgDn	Page down
PgUp	Page up
g / Home	Go to top
G / End	Go to bottom
Tab	Switch focus between TOC and content
Enter	Navigate to selected TOC heading
/ or Ctrl+F	Open search
n	Next search match
N	Previous search match

Features

- **Full GFM support** — tables, task lists, strikethrough, footnotes, autolinks
- **Syntax highlighting** — code blocks with language detection (via syntect)
- **Mermaid diagrams** — flowcharts, sequence diagrams, pie charts, and more (via mermaid-rs-renderer)
- **Table of Contents** — auto-generated sidebar from headings with click-to-navigate
- **Live reload** — file watching with 300ms debounce, updates on save
- **Dark/Light theme** — follows OS theme (webview backend)

Mermaid Support

Mermaid code fences are rendered as SVG diagrams:

```
```mermaid
graph TD
 A[Input] --> B[Process]
 B --> C[Output]
```
```

Supported diagram types: flowchart, sequence, pie, class, state, ER, gantt.

Note: Diamond/decision nodes (`{text}`) are not yet supported by the underlying renderer. Use square brackets as a workaround.

Architecture

```
src/
├── main.rs           # CLI (clap), backend
├── core/
│   ├── markdown.rs  # GFM parsing (comrak)
│   ├── mermaid.rs   # Mermaid → SVG rendering
│   ├── toc.rs       # Table of Contents extraction
│   ├── search.rs    # In-document search
│   └── watcher.rs   # File watching (notify)
├── backend/
│   ├── egui.rs      # egui/eframe backend
│   ├── tui.rs       # ratatui/crossterm TUI
│   └── webview.rs   # wry/tao WebView backend
```

Building

Requires Rust 1.75+.

```
# All backends (default)
cargo build --release
```

```
# Run tests
cargo test
```

```
# Run clippy
cargo clippy
```

a very light rust based markdown reader with support of mermaid (web, native, TUI). vibe coded

Readme

Activity

Custom properties

7 stars

0 watching

0 forks

Report repository

Releases 6

v0.2.5 Latest
27 minutes ago

+ 5 releases

Packages

No packages published

Contributors 4

 waxzce Quentin ADAM

 claude Claude

 davlgd David Legrand

 Copilot

Languages

● Rust 98.9% ● Nix 1.1%

Linux dependencies

```
sudo apt-get install libgtk-3-dev libwebkit2gtk
```

Releases

Pre-built binaries are available on the [Releases](#) page for:

- macOS (Apple Silicon + Intel)
- Linux (x86_64)
- Windows (x86_64)

To create a release, push a version tag:

```
git tag v0.1.0
git push origin v0.1.0
```

License

MIT

Contributing

Issues and PRs welcome at github.com/CleverCloud/mdr.

