Slides with Markdown

An Introduction to Marp

Marp — Markdown Presentation Ecosystem

What is Marp?

- **Markdown-based** slide deck framework
- Write slides in plain text
- Export to **HTML**, **PDF**, and **PPTX**
- Built-in themes and customization
- Open source ecosystem

Why Marp?

Feature	PowerPoint	Google Slides	Marp
Version control	❌	❌	✅
Plain text	❌	❌	✅
CLI export	❌	❌	✅
Collaboration	⚠️	✅	✅
Offline	✅	❌	✅

Getting Started

A Marp file is just Markdown with a special frontmatter:

```
---
marp: true
theme: default
paginate: true
---
```

Each slide is separated by `---` (horizontal rule).

Text Formatting

You can use all standard Markdown:

- **Bold text** and *italic text*
- `inline code` and code blocks
- Links
- Lists (like this one!)

> *Blockquotes work too, and they look great in presentations.*

Code Blocks

```
function greet(name: string): string {
  return `Hello, ${name}!`;
}

// Marp renders syntax-highlighted code
console.log(greet("TorinoJS"));
```

Syntax highlighting is built-in for all major languages.

Directives

Marp supports **directives** for fine-grained control:

```
<!-- _backgroundColor: #1e1e1e -->
<!-- _color: white -->
<!-- _paginate: false -->
```

Prefixed with `_` for **local** (current slide only),
or without prefix for **global** (all subsequent slides).

Dark Slide Example

This slide uses the `.invert` class from our custom theme:

- Matches the site's dark mode palette
- Background: `#0d1117`, Text: `#bbbbbb`

Directives give you per-slide customization without leaving Markdown.

Images

Standard Markdown image syntax:

Marp adds **image filters**:

- `![width:300px]` — set width
- `![height:200px]` — set height
- `![bg]` — background image
- `![bg right:40%]` — split layout

Math Support

Marp supports LaTeX math via KaTeX:

Inline: $E = mc^2$

Block:

$$\sum_{i=1}^{n} i = \frac{n(n+1)}{2}$$

Presenter Notes

Add notes that only you can see:

```
<!-- This is a presenter note -->
```

Notes appear in presenter view but not in the slides.

Export Formats

Marp can export to multiple formats:

- 📄 **HTML** — self-contained web page
- 📋 **PDF** — for printing and sharing
- 📊 **PPTX** — for PowerPoint users
- 📝 **Markdown** — the original source

All built at compile time, no runtime dependencies.

Custom Theme Classes

The **site** theme includes special slide classes:

- `lead` — centered title slides
- `invert` — dark mode palette
- `highlight` — brand accent background (like this slide!)

Use `<!-- _class: className -->` to apply.

Thank You!

Try Marp today — write your next presentation in Markdown.

🔗 marp.app

📦 github.com/marp-team