Deploy Marp to GitHub Pages

Presentations to Webpages: Instantly!

What?

Marp lets you create HTML slides from markdown (like this!).

This presentation is both a website and a README.md.

Why?

Treat your presentation the same way you treat code.

- Use git to track changes
- Pull requests to collaborate
- Deploy automatically
- See a problem? Open an issue!

Setup

Want to create your own?

First, create a new repo from the template repo.

Configure GitHub Pages

Open your new repo and setup publishing.

You'll typically use `gh-pages` as the deploy branch.

Review Build

Click on Actions tab and see if the build succeeded (it may take some time).

You should now see the generated files in the `gh-pages` branch.

View webpage

Open your deployed webpage to see the content.

Out of the box you should see `README.md` as `/index.html` and `/README.pdf`. Slides under `docs/` are also converted.

Running locally

Locally you'll run commands like:

```
$ marp README.md -o build/README.pdf
```

or

```
$ npx @marp-team/marp-cli@latest README.md -o build/README.pdf
```

As a workflow step

The workflow runs an equivalent step:

```
- name: Marp Build (README.pdf)
  uses: docker://marpteam/marp-cli:v1.7.0
  with:
    args: README.md -o build/README.pdf
  env:
    MARP_USER: root:root
```

Note the `args` match the previous slide.

Customizing the build

Anything in the `build/` folder will be deployed to GitHub Pages.

You can copy extra files or run further processing steps using other tools.

Learn more about Marp

This is a good time to learn more about Marp. Here's some resources:

- CommonMark
- Cheat Sheet
- Themes
- CSS Themes
- Directives
- VS Code plugin

Example Sites

Known sites using this action are:

- University of Illinois at Urbana-Champaign's CS 199 Even More Practice (code)
- Exploring agent based models (code)

Send a pull request to get your site added.

Publish your slides

When you are ready to share your presentation, commit or merge to `main` and your content on GitHub Pages will automatically update.

🎉

Hooray!