

Marp Action for GitHub

Presentations to Webpages: Instantly!

What?

[Marp](#) lets you create 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 to a webpage automatically.

See a bug? Open an issue or pull request!

Setup

Want to create your own?

First, create a new repo [from the template repo](#).

Configure GitHub Pages

[Setup publishing.](#)

Remember the branch and URL you choose.

Update Workflow

You'll update the workflow file over the next few slides. You can do this right in the GitHub web page (click on the pencil icon).

```
.github/workflows/main.yml
```

BASE_URL

Set this to the domain you're using for GitHub Page.

If you add a custom domain later, you'll need to update this.

PUBLISH_TO_BRANCH

Tell the build which branch you are using for GitHub Pages.

This is likely `gh-pages`. Set `PUBLISH_TO_BRANCH` to the correct branch.

Update Workflow

Commit `.github/workflows/main.yml` back to `main` branch.

This will kick off the workflow.

Check if the build succeeded

Click on Actions tab and see if the build succeeded.

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

Load your new web page

Any update to your site will take a few minutes to be visible. Be patient.

Create your slides

Finally, start adding your own content.

You can [install and run marp-cli](#) locally to test out the content before publishing.

Pull Request Previews

Push your slides to a new branch and create a pull request.

The workflow is triggered by the Pull Request and will build a preview page.

Click the link to see a preview of the built content.

Running locally

Locally you'll run commands like:

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

As a workflow step

The workflow step equivalent is:

```
- 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.

You can perform other types of processing steps here as well.

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!