

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?

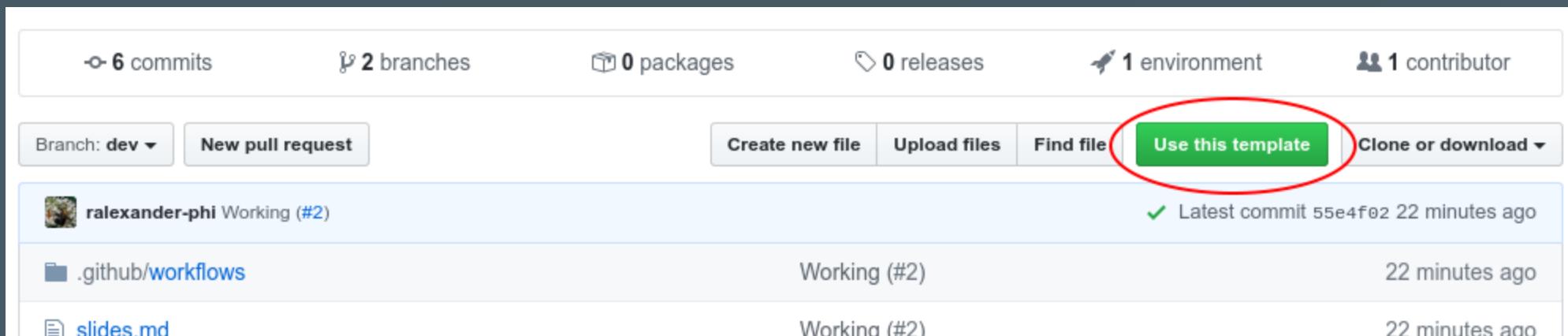
Treat your presentation the same way you treat code.

- 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.



The screenshot shows a GitHub repository page for a user named ralexander-phi. At the top, there are statistics: 6 commits, 2 branches, 0 packages, 0 releases, 1 environment, and 1 contributor. Below the stats, there are buttons for 'Branch: dev ▾', 'New pull request', 'Create new file', 'Upload files', 'Find file', a green 'Use this template' button (which is circled in red), and 'Clone or download ▾'. Underneath these buttons, there's a list of files: 'ralexander-phi Working (#2)' (with a checkmark and 'Latest commit 55e4f02 22 minutes ago'), '.github/workflows' (Working (#2) 22 minutes ago), and 'slides.md' (Working (#2) 22 minutes ago).

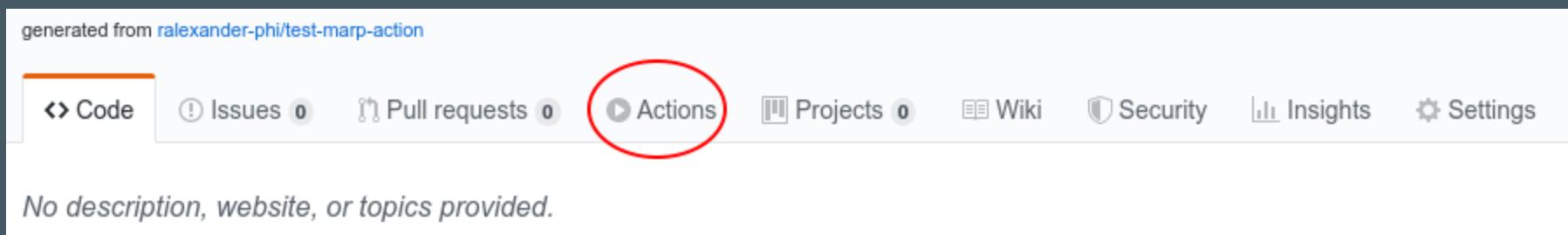
Configure GitHub Pages

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!