



Architecture & Deployment

2025-2026 v0.1.0 on branch main Rev: bf5a3ed8baf85ebafdf2c8031e836d37fa6b3121

Deploy static sites to GitHub Pages

The goal of this exercise is to deploy a **static website** (only HTML, JavaScript and CSS) on GitHub Pages, a static site hosting service, instead of your own server in the Infrastructure-as-a-Service (IaaS) Microsoft Azure Web Services cloud.

Table of contents

- 📄 Legend
- ! Fork the clock project
- ! Configure GitHub Pages
 - ! What else?
- ! Make a change to test the automated deployment
- 🏁 What have I done?



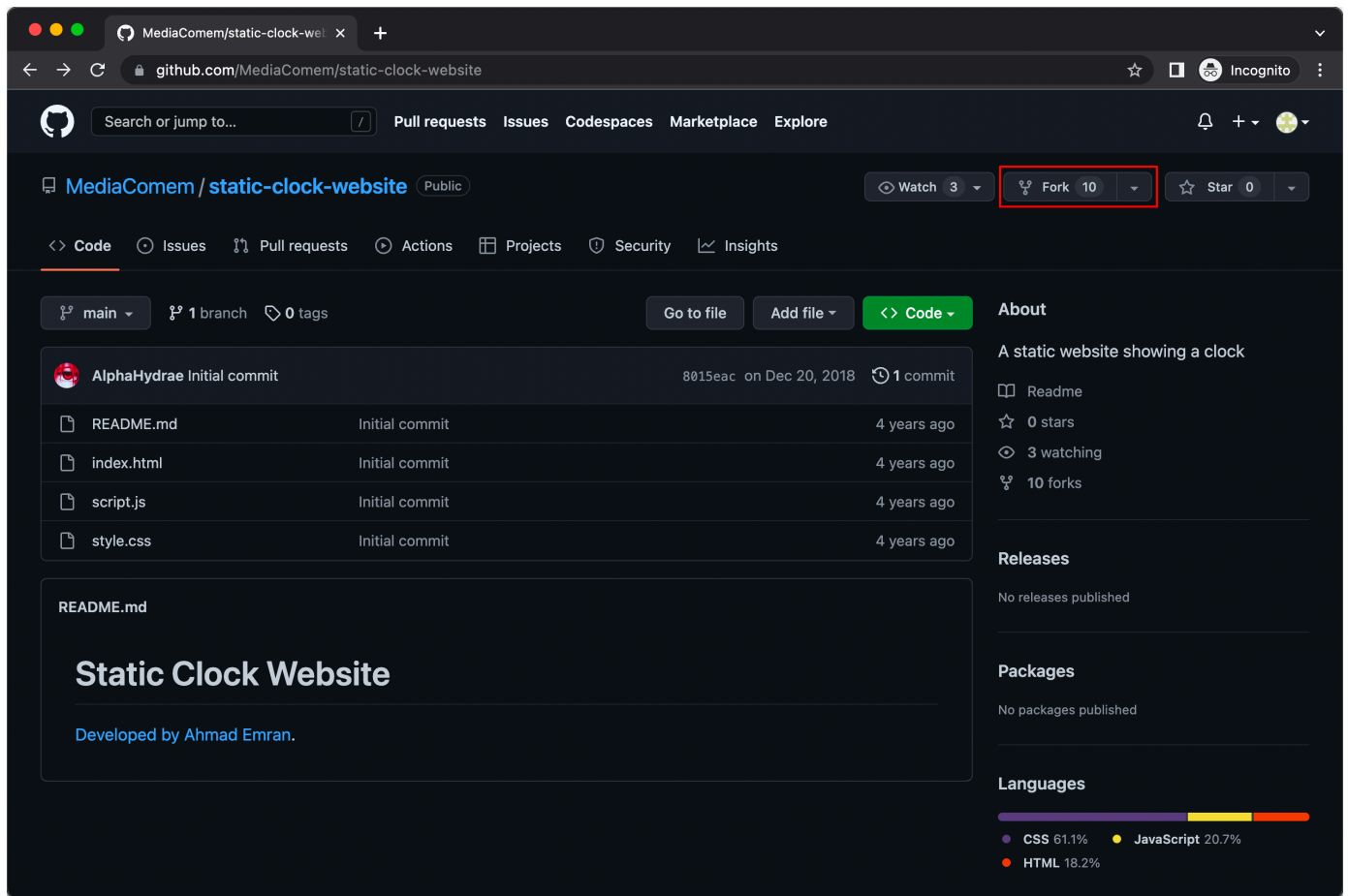
Legend

Parts of this exercise are annotated with the following icons:

- ! A task you **MUST** perform to complete the exercise
- ? An optional step that you may perform to make sure that everything is working correctly, or to set up additional tools that are not required but can help you
- 🏁 The end of the exercise
- 🏠 The architecture of the software you ran or deployed during this exercise.
- ☀️ Troubleshooting tips: how to fix common problems you might encounter

! Fork the clock project

Fork the static clock website repository:



The screenshot shows the GitHub repository page for `MediaComem/static-clock-website`. The repository is public and has 10 forks and 0 stars. The `Fork` button is highlighted with a red box. The repository contains a single commit by AlphaHydrae on Dec 20, 2018, with files `README.md`, `index.html`, `script.js`, and `style.css`. The README.md file is displayed, showing the title `Static Clock Website` and the developer `Ahmad Emran`. The right sidebar shows the repository's statistics: 0 stars, 3 watching, 10 forks, and no releases or packages published. The languages section shows CSS (61.1%), JavaScript (20.7%), and HTML (18.2%).

MediaComem / **static-clock-website** Public

Watch 3 Fork 10 Star 0

Code Issues Pull requests Actions Projects Security Insights

main 1 branch 0 tags

Go to file Add file Code

AlphaHydrae Initial commit 8015eac on Dec 20, 2018 1 commit

README.md	Initial commit	4 years ago
index.html	Initial commit	4 years ago
script.js	Initial commit	4 years ago
style.css	Initial commit	4 years ago

README.md

Static Clock Website

Developed by Ahmad Emran.

About

A static website showing a clock

- Readme
- 0 stars
- 3 watching
- 10 forks

Releases

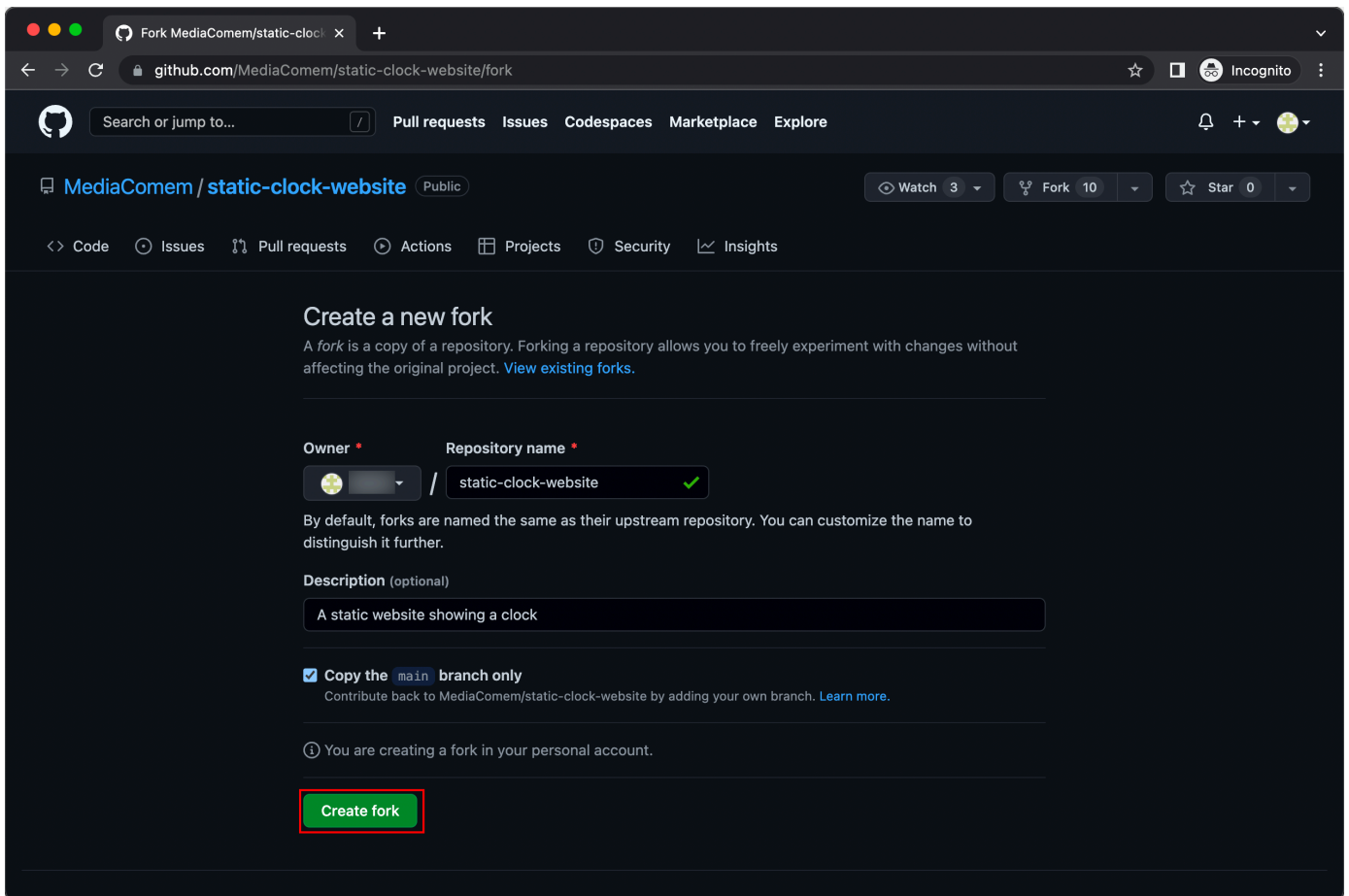
No releases published

Packages

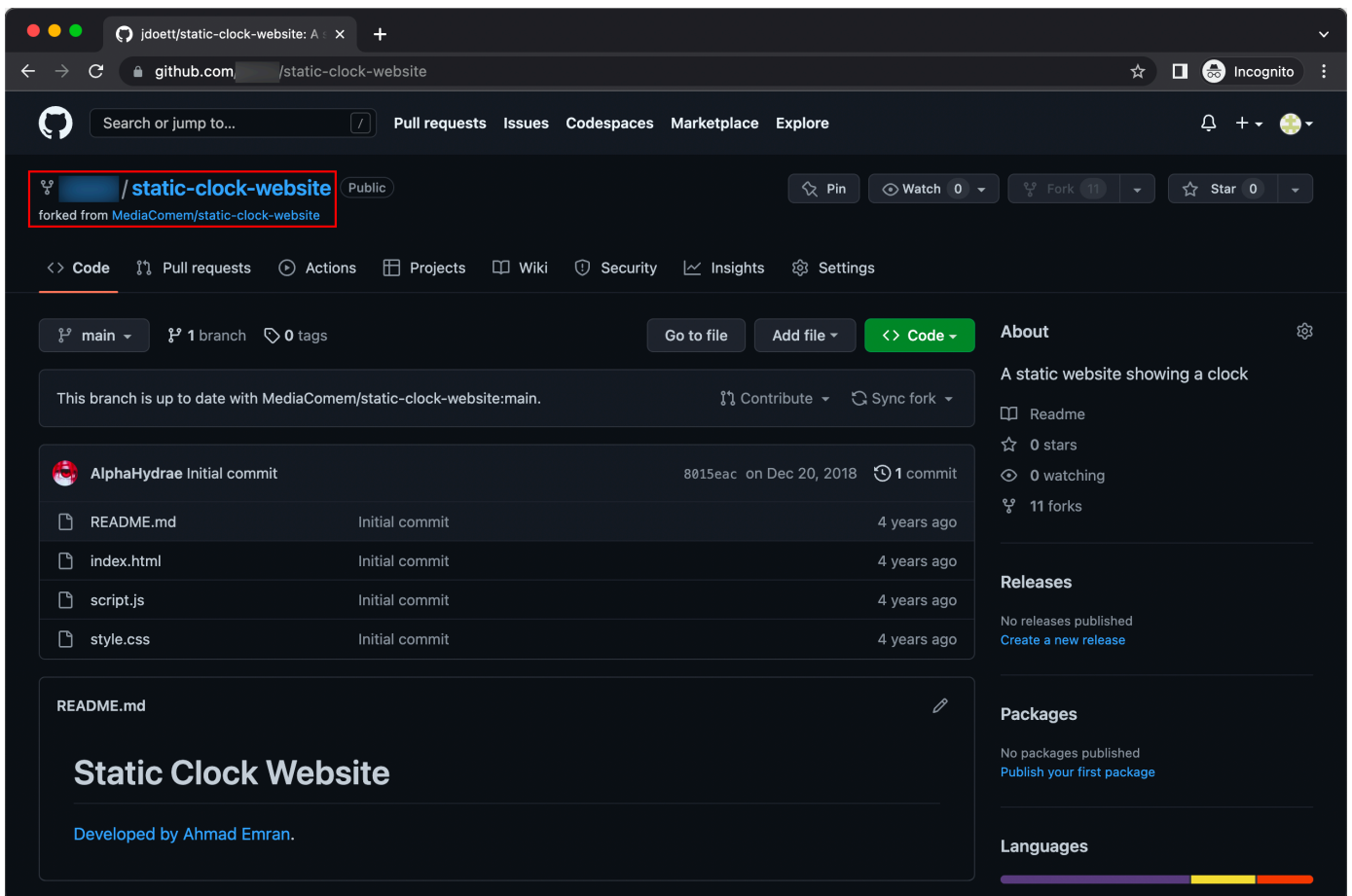
No packages published

Languages

- CSS 61.1%
- JavaScript 20.7%
- HTML 18.2%

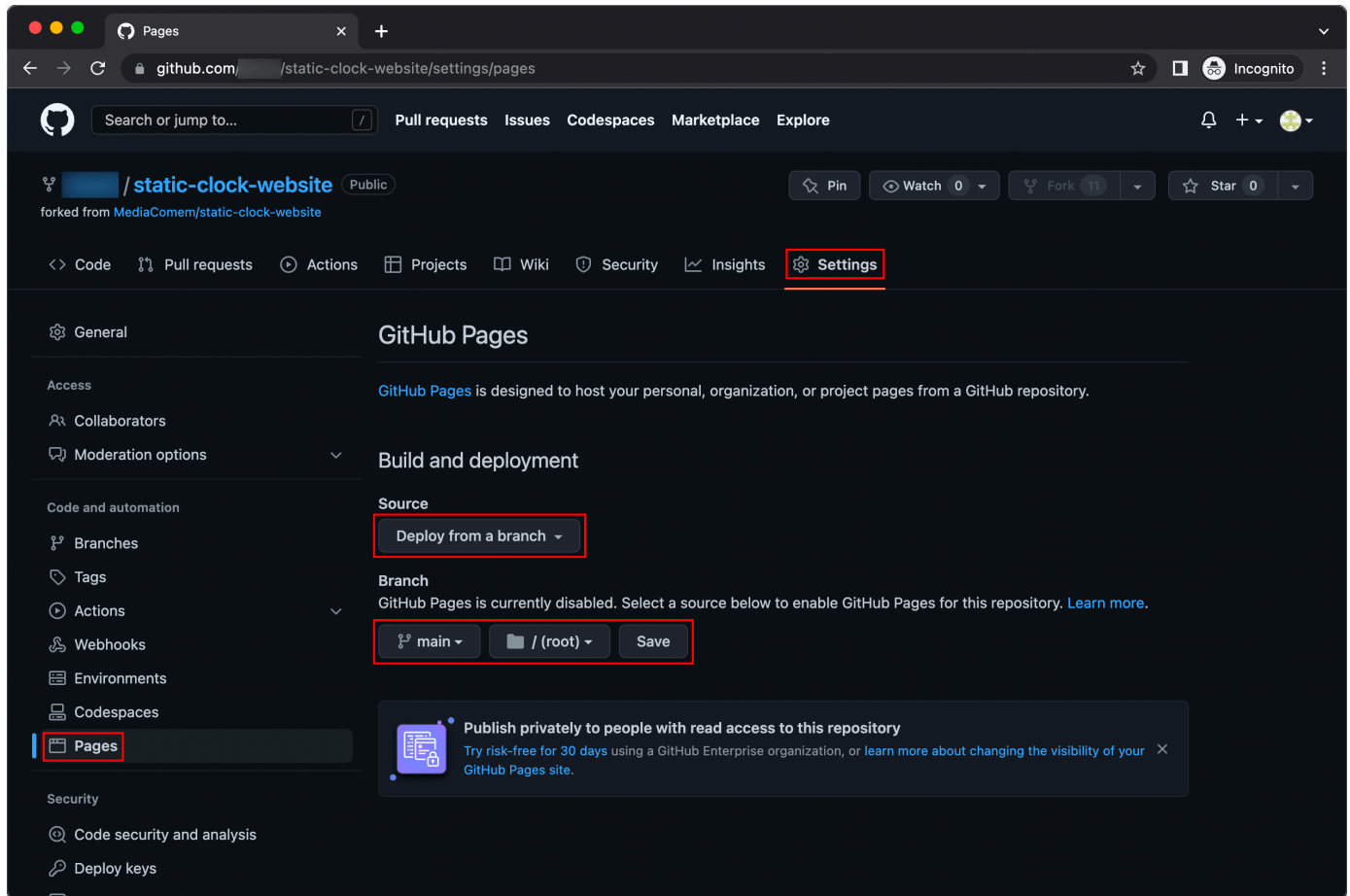


Once that is done, you should have your own copy of the clock repository under your GitHub username:



! Configure GitHub Pages

Go to the **Pages Settings** and configure GitHub Pages to deploy the **root of the** `main` **branch**:



Save the changes.

! What else?

You're done! It's as simple as that.

You should be able to access your deployed static website at `https://JohnDoe.github.io/static-clock-website` (replacing `JohnDoe` with your GitHub username).

Tip

It may take a couple of minutes for the site to become available.

! Make a change to test the automated deployment

If you push a new commit to your repository (or make one on GitHub), you can see that the new version will be automatically deployed!

Tip

It can take a couple of minutes for new commits to be deployed by GitHub Pages.

What have I done?

In this exercise, you have deployed a static website to GitHub Pages, a static site hosting service and a type of PaaS platform, using nothing but the web interface provided by GitHub. You did not have to do any of the following:

- Hosting
- Reverse proxying
- TLS encryption
- Automated deployments
- Domain name

GitHub Pages is **free** for public repositories. Read [their documentation](#) for more information.

↑ [Back to top](#)