

Claude

Automate Hugo Website Deployment to GitHub Pages

Share ☆ ⌵ 🔍

Build and Deploy Hugo Website to GitHub Pages
Author: Jérémie Lumbroso <lumbroso@seas.upenn.edu>
Date: 2024-02-24

name: 🚀 Build and Deploy GitHub Pages
on:
push:
branches:
- main # Set a branch to deploy
jobs:
deploy:
runs-on: ubuntu-22.04
steps:
- name: 📄 Check Out Source Repository
uses: actions/checkout@v3.5.1
with:
submodules: true # Fetch Hugo themes (true OR recursive)
fetch-depth: 0 # Fetch all history for .GitInfo and .Lastmod
- name: 🛠 Initialize Hugo Environment
uses: peaceiris/actions-hugo@v2.6.0
with:
hugo-version: "0.144.1"
extended: true
- name: 📦 Compile Hugo Static Files
run: hugo -D --gc --minify
- name: 🚀 Publish to GitHub Pages
uses: peaceiris/actions-gh-pages@v3.9.3
with:
github_token: \${{ secrets.GITHUB_TOKEN }}
publish_branch: gh-pages
user_name: "github-actions[bot]"
user_email: "github-actions[bot]@users.noreply.github.com"
NOTE: uncomment below if using a custom domain
cname: mydomain.com explain this line by line

This is a GitHub Actions workflow file that automates building and deploying a Hugo static website to GitHub Pages. Let me explain each section:

yaml Copy

name: 🚀 Build and Deploy GitHub Pages

This defines the name of the workflow that will appear in the GitHub Actions UI.

yaml Copy

Reply to Claude...

Claude 3.7 Sonnet Choose style

- main # Set a branch to deploy

This specifies when the workflow will run - in this case, it triggers whenever changes are pushed to the `main` branch.

yaml

jobs:
 deploy:
 runs-on: ubuntu-22.04

This defines a job named "deploy" that will run on an Ubuntu 22.04 virtual machine.

yaml

steps:
- name: 📄 Check Out Source Repository
 uses: actions/checkout@v3.5.1
 with:
 submodules: true # Fetch Hugo themes (true OR recursive)
 fetch-depth: 0 # Fetch all history for .GitInfo and .Lastmod

This step checks out your repository code with all submodules (important for Hugo themes) and the complete git history.

yaml

- name: 🛠 Initialize Hugo Environment
 uses: peaceiris/actions-hugo@v2.6.0
 with:
 hugo-version: "0.144.1"
 extended: true

This installs Hugo version 0.144.1 with the extended features (needed for SCSS/SASS processing).

yaml

- name: 📦 Compile Hugo Static Files
 run: hugo -D --gc --minify

This builds your Hugo site with draft posts included (`-D`), garbage collection enabled (`--gc`)

gc), and minification for optimized file sizes (--minify).

yml

```
- name: 🚀 Publish to Github Pages
  uses: peaceiris/actions-gh-pages@v3.9.3
  with:
    github_token: ${ secrets.GITHUB_TOKEN }
    publish_branch: gh-pages
    user_name: "github-actions[bot]"
    user_email: "github-actions[bot]@users.noreply.github.com"
```

This publishes the built site to a branch named `gh-pages` using GitHub's automatic token. The commits to this branch will be attributed to the GitHub Actions bot.

For the commented CNAME line:

yml

```
## cname: mydomain.com
```

If uncommented, this would create a CNAME file in your GitHub Pages deployment, allowing you to use a custom domain instead of the default `username.github.io` domain. You would replace "mydomain.com" with your actual domain name.

ⓘ Claude does not have the ability to run the code it generates yet.

🗄️ 🔄 ⌂ Retry ▾



Claude can make mistakes. Please double-check responses.