```
runs-on: ubuntu-22.0
```

This specifies that the job will run on an Ubuntu 22.04 virtual machine.

```
yaml
```

steps:

This begins the list of steps that the job will execute in sequence.

```
yam
```

This step checks out the repository code using the <a href="actions/checkout">actions/checkout</a> action (version 3.5.1). It includes Git submodules (commonly used for Hugo themes) and fetches the complete Git history.

yaml

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

 $This step sets up \ Hugo \ (version \ 0.144.1) \ using \ the \ \ \ \ peaceiris/actions-hugo \ action. \ It \ uses \ the "extended" \ version \ of \ Hugo \ which includes \ additional \ features \ like \ SCSS \ processing.$ 

yaml

```
– name: ✝᠋ Compile Hugo Static Files
run: hugo −D --gc --minify
```

This step runs the Hugo command to build the website:

- —D: Include draft content
- --gc : Run garbage collection after build
- —minify: Minify the output files to reduce size

vaml

```
- 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 final step deploys the built site to GitHub Pages:

- Uses the peaceiris/actions-gh-pages action to handle deployment
- $\bullet \quad \mbox{\tt github\_token}: Uses the automatically provided GitHub token for authentication$
- publish\_branch: Publishes the built files to the "gh-pages" branch
- user\_name and user\_email: Sets the Git committer information to the GitHub Actions bot

vaml

```
## NOTE: uncomment below if using a custom domain
## cname: mydomain.com
```

These commented lines provide an option to add a custom domain by uncommenting and setting the CNAME value.

In summary, this workflow automatically builds a Hugo website and deploys it to GitHub Pages whenever changes are pushed to the main branch.

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



