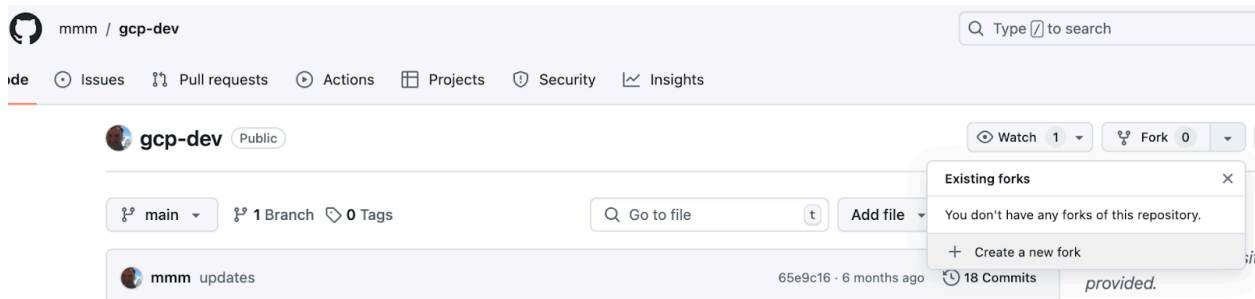
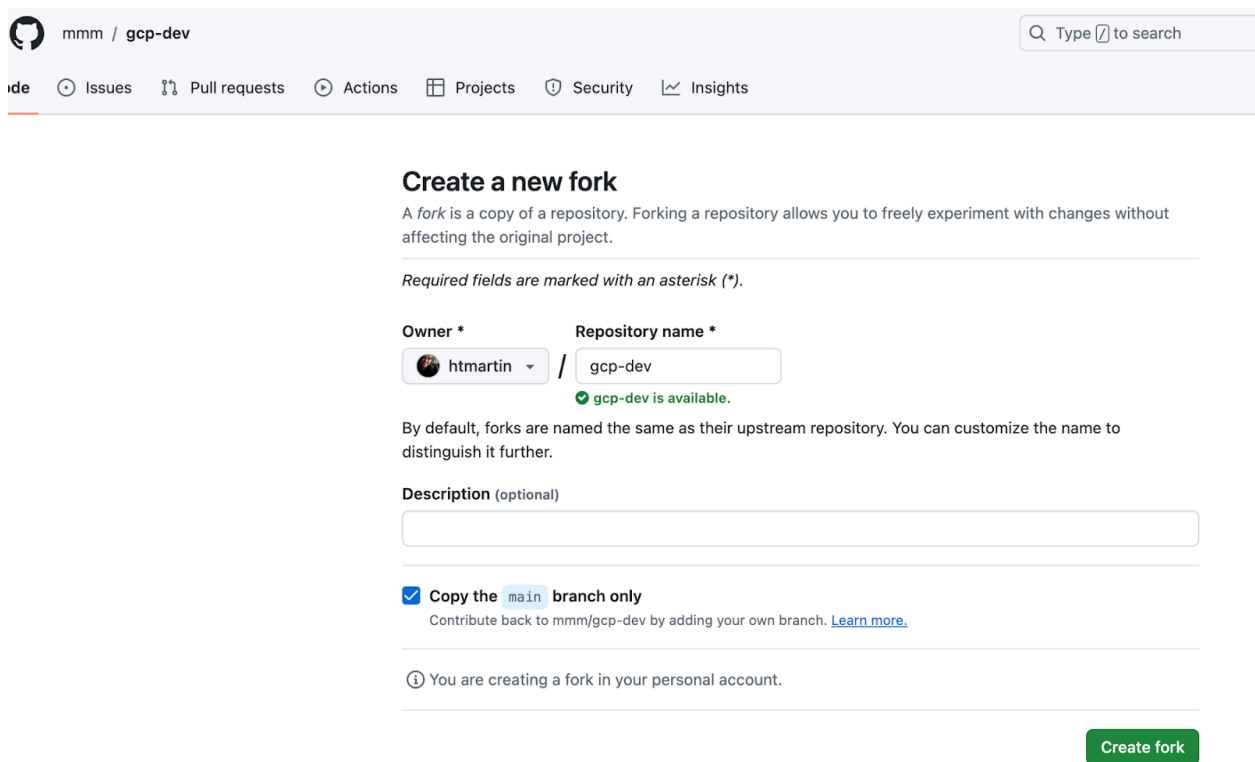


1. Create a new fork

- Go to the repo you want to fork, select “Create a new fork”
- Notice you’re in **mmm/gcp-dev**



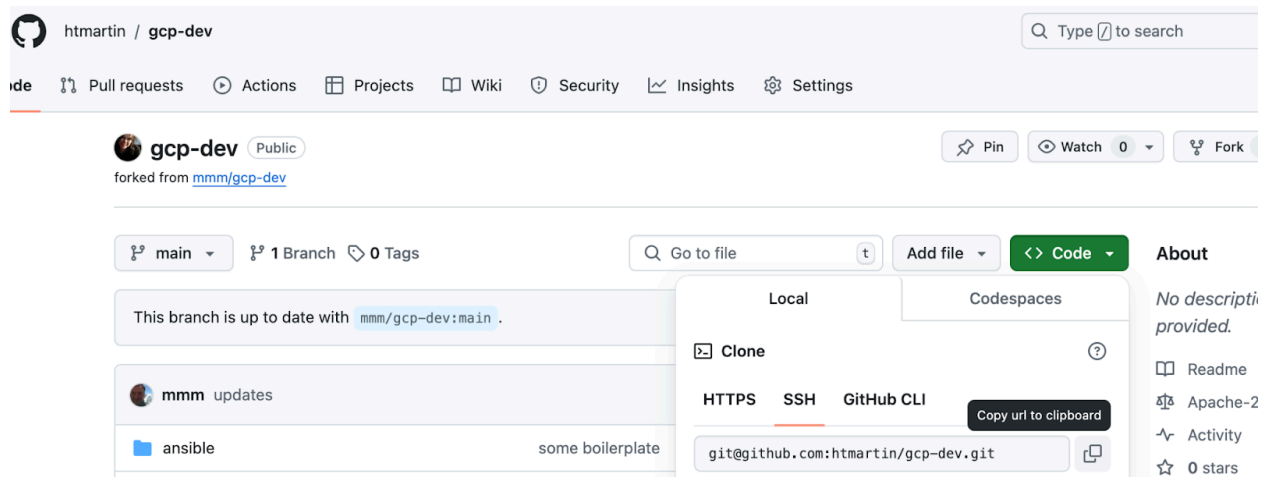
- On the Create a new fork page, make yourself the owner.



- Now when I go to my repositories, I'll have **htmartin/gcp-dev**

2. Clone your fork to your local machine

- Copy the url to clone to your local machine from **htmartin/gcp-dev**



- git clone on your local machine

```
~ % git clone git@github.com:htmartin/gcp-dev.git
Cloning into 'gcp-dev'...
remote: Enumerating objects: 112, done.
remote: Counting objects: 100% (112/112), done.
remote: Compressing objects: 100% (59/59), done.
remote: Total 112 (delta 57), reused 104 (delta 49), pack-reused 0 (from 0)
Receiving objects: 100% (112/112), 29.31 KiB | 600.00 KiB/s, done.
Resolving deltas: 100% (57/57), done.
```

3. Work in your fork

Now in your forked repo, you can

- experiment with the code & make changes
- practice git add, commit, push flow
- without affecting main repo

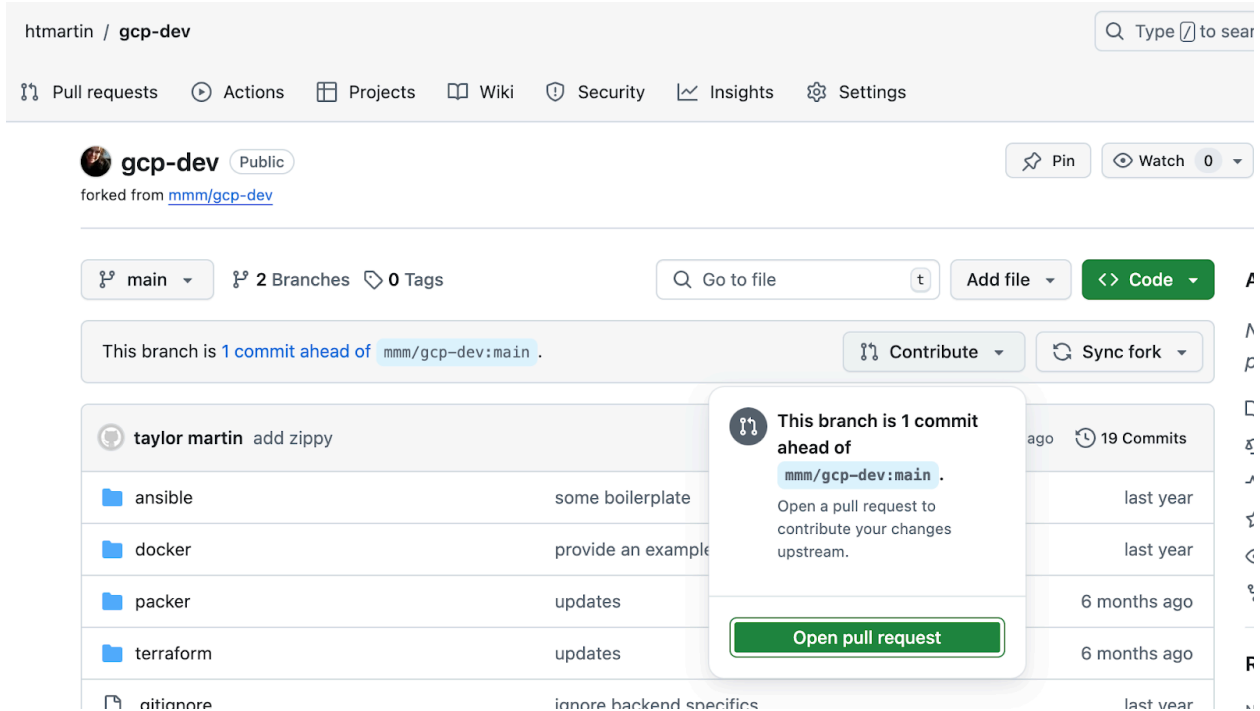
```
~/gcp-dev % touch zippy
~/gcp-dev % subl zippy
~/gcp-dev % git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        zippy

nothing added to commit but untracked files present (use "git add" to track)
~/gcp-dev % git add .
~/gcp-dev % git commit -m 'add zippy'
[main 29822df] add zippy
 1 file changed, 3 insertions(+)
 create mode 100644 zippy
~/gcp-dev % git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 291 bytes | 291.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:htmartin/gcp-dev.git
   65e9c16..29822df  main -> main
~/gcp-dev %
```

4. Share back to the main repo

- Commit & push your changes to your forked repo as shown above.
- Use the contribute pull down to open a pull request.




The screenshot shows the GitHub interface for a repository named 'gcp-dev' by user 'htmartin'. The repository is public and forked from 'mmm/gcp-dev'. The main branch is 'main', and there are 2 branches and 0 tags. A notification states 'This branch is 1 commit ahead of mmm/gcp-dev:main'. A dropdown menu for 'Contribute' is open, showing a message: 'This branch is 1 commit ahead of mmm/gcp-dev:main. Open a pull request to contribute your changes upstream.' with a green 'Open pull request' button. Below the notification, a file list is visible with folders: 'ansible' (some boilerplate), 'docker' (provide an example), 'packer' (updates), 'terraform' (updates), and '.gitignore' (ignore backend specifics). The commit history on the right shows 19 commits, with the latest commit 'add zippy' by 'taylor martin' 6 months ago.

- On the next screen, choose Create pull request

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff](#)

 base repository: mmm/gcp-dev ▾

base: main ▾

⋮

head repository: htmartin/gcp-dev ▾

compare: main ▾

✓ **Able to merge.** These branches



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add zippy

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Add your description here...

 Markdown is supported

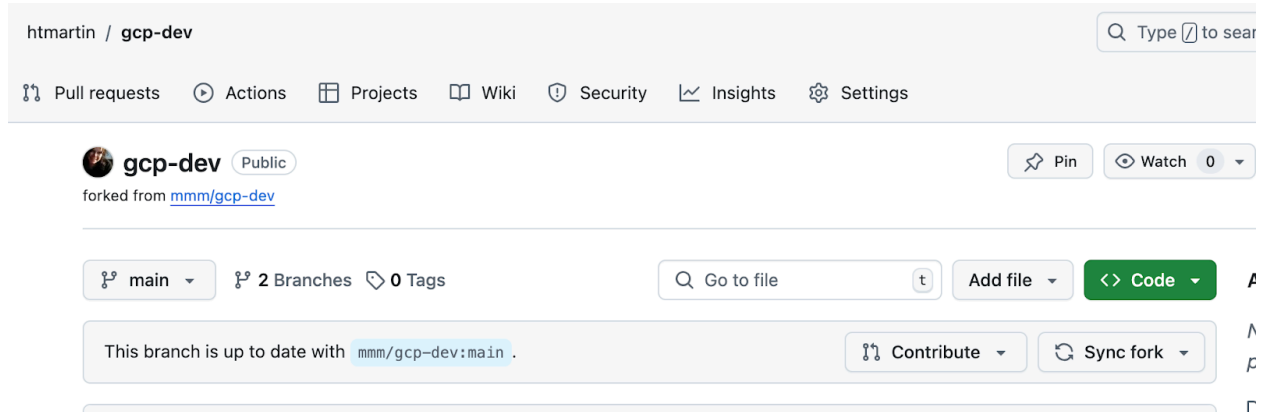
 Paste, drop, or click to add files

☒ Allow edits by maintainers 

Create pull request ▾

5. Pull from htmartin/solid-garbanzo

- To update from the main repo, (here mmm/gcp-dev, for class htmartin/solid-garbanzo)
- Use the sync fork button in the forked repo, (here [htmartin/gcp-dev](#), for class, <your-gh-user-name>/solid-garbanzo).



And that's it :-)