How to build a private customized peft package

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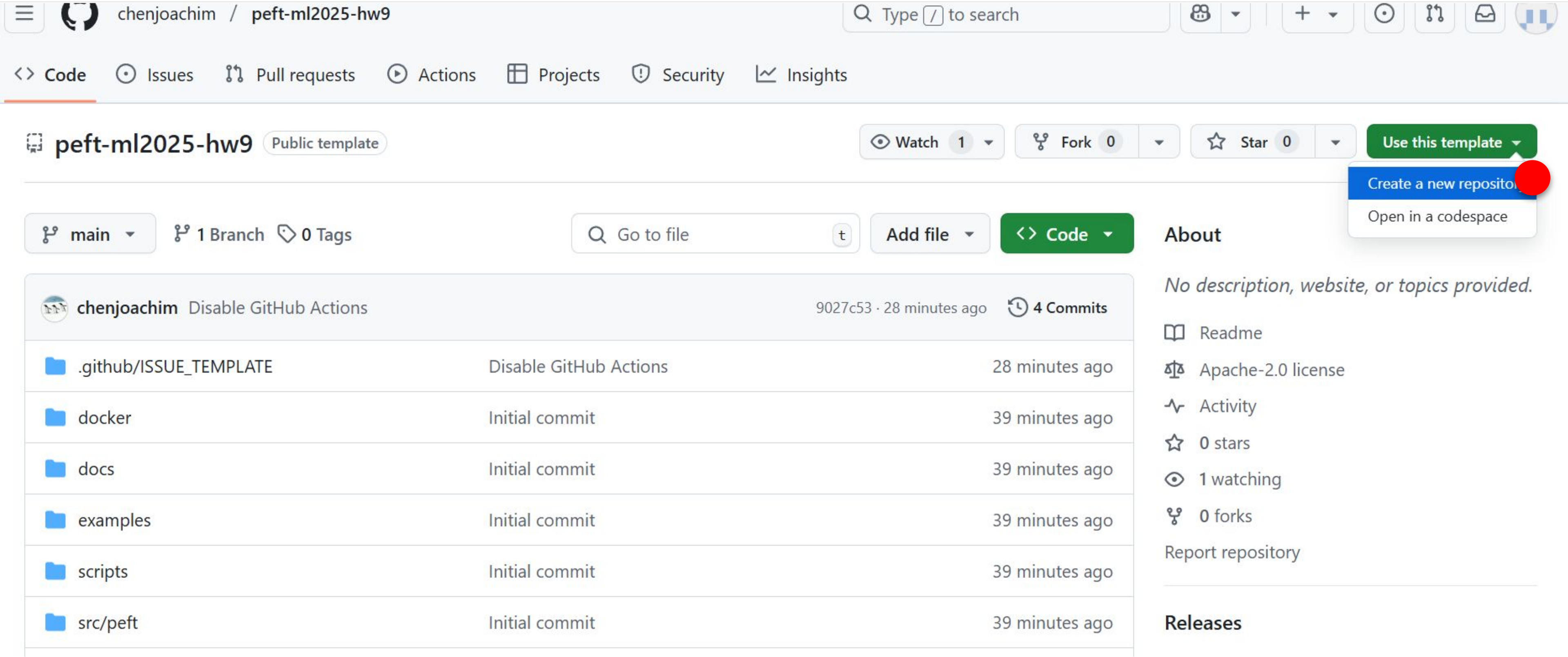
Generate a private repository from a public github repo

- Generate a private repository from TA-version peft github repo (`Use this template`)

  https://github.com/chenjoachim/peft-ml2025-hw9.git

Generate a private repository from a public github repo



chenjoachim / peft-ml2025-hw9

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Code · Issues · Pull requests · Actions · Projects · Security · Insights

peft-ml2025-hw9 Public template

Watch 1 · Fork 0 · Star 0 · Use this template

Create a new reposito

Open in a codespace

main · 1 Branch · 0 Tags · Go to file t · Add file · Code

chenjoachim Disable GitHub Actions 9027c53 · 28 minutes ago 4 Commits

.github/ISSUE_TEMPLATE	Disable GitHub Actions	28 minutes ago
docker	Initial commit	39 minutes ago
docs	Initial commit	39 minutes ago
examples	Initial commit	39 minutes ago
scripts	Initial commit	39 minutes ago
src/peft	Initial commit	39 minutes ago

About

No description, website, or topics provided.

Readme

Apache-2.0 license

Activity

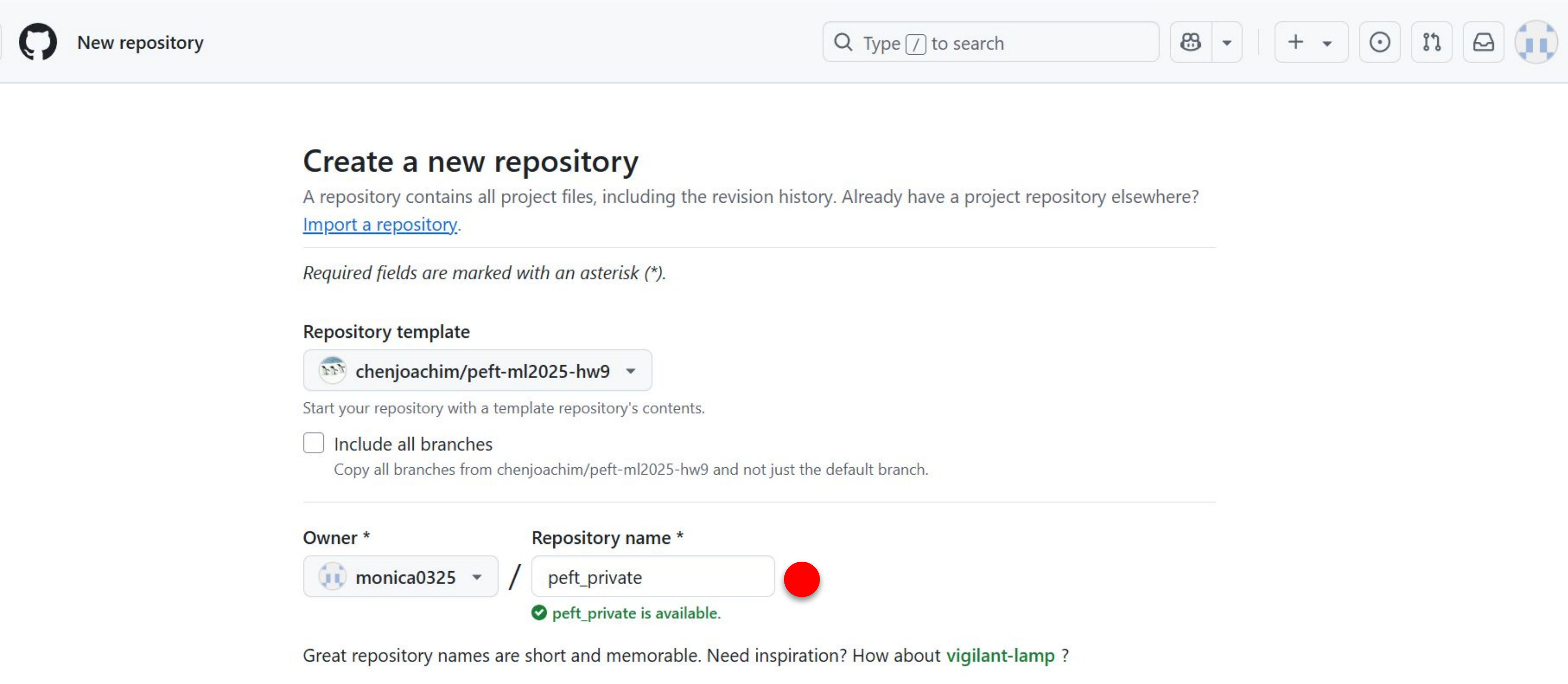
0 stars

1 watching

0 forks

Report repository

Releases



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Required fields are marked with an asterisk (*).

Repository template

chenjoachim/peft-ml2025-hw9

Start your repository with a template repository's contents.

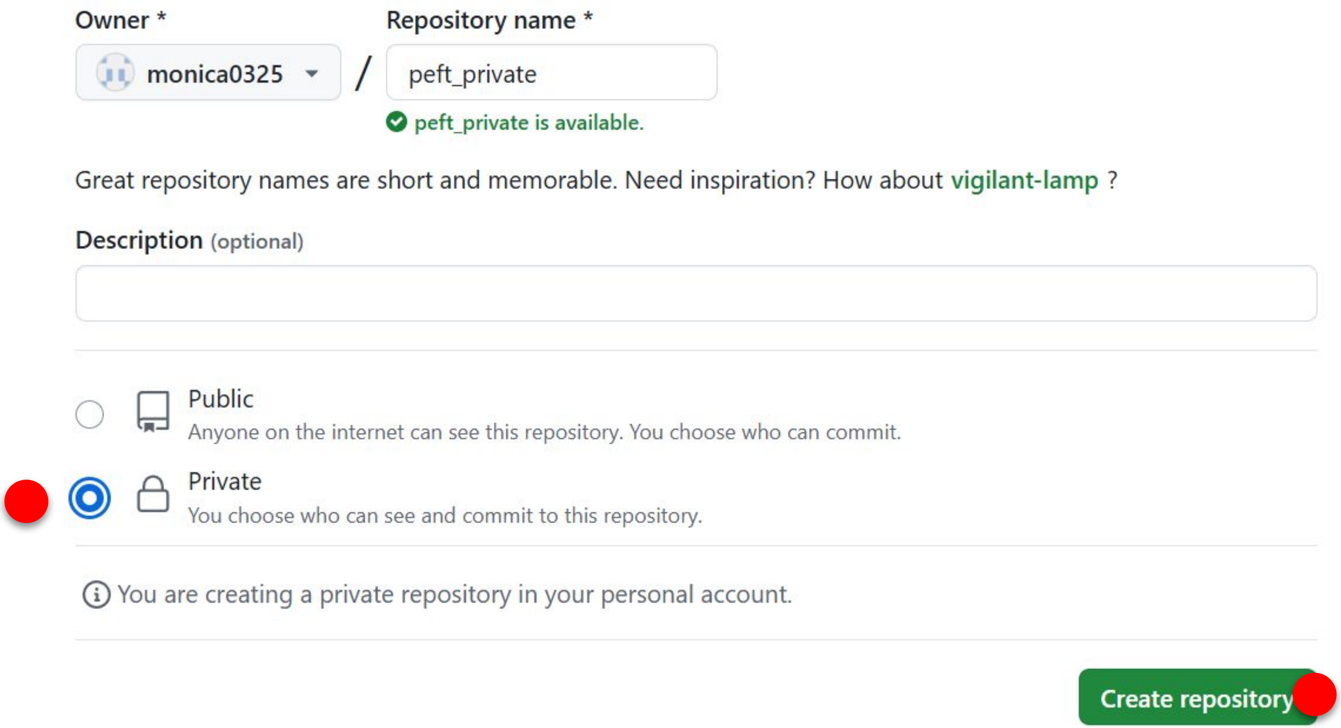
□ Include all branches

Copy all branches from chenjoachim/peft-ml2025-hw9 and not just the default branch.

Owner * monica0325 / **Repository name *** peft_private

✓ peft_private is available.

Great repository names are short and memorable. Need inspiration? How about vigilant-lamp ?



Owner * monica0325 / Repository name * peft_private

peft_private is available.

Great repository names are short and memorable. Need inspiration? How about vigilant-lamp ?

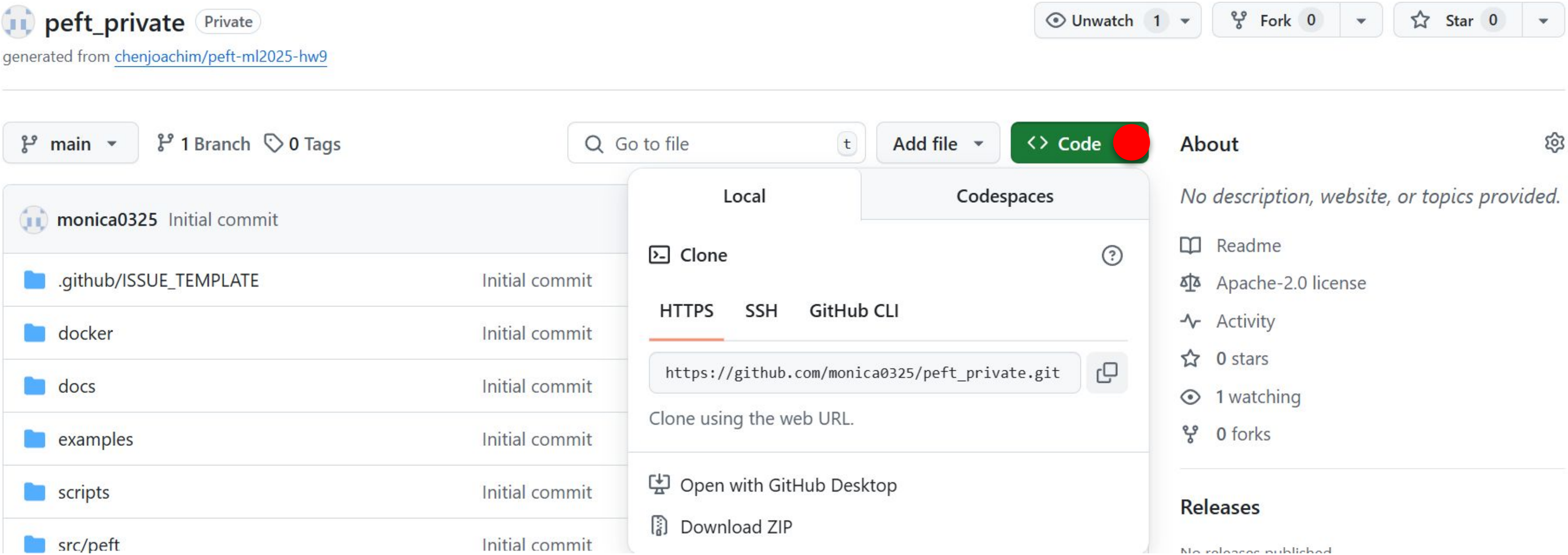
Description (optional)

○ Public
Anyone on the internet can see this repository. You choose who can commit.

● Private
You choose who can see and commit to this repository.

You are creating a private repository in your personal account.

Clone the private github repository using the web url



peft_private Private

generated from chenjoachim/peft-ml2025-hw9

https://github.com/monica0325/peft_private.git

Clone using the web URL.

monica0325 Initial commit

.github/ISSUE_TEMPLATE	Initial commit
docker	Initial commit
docs	Initial commit
examples	Initial commit
scripts	Initial commit
src/peft	Initial commit

About

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Clone a github repository using the web url

- Open your local terminal with Git installed and clone your new private github repo, for example:

  ```
  git clone https://github.com/{username}/peft_private.git
  ```

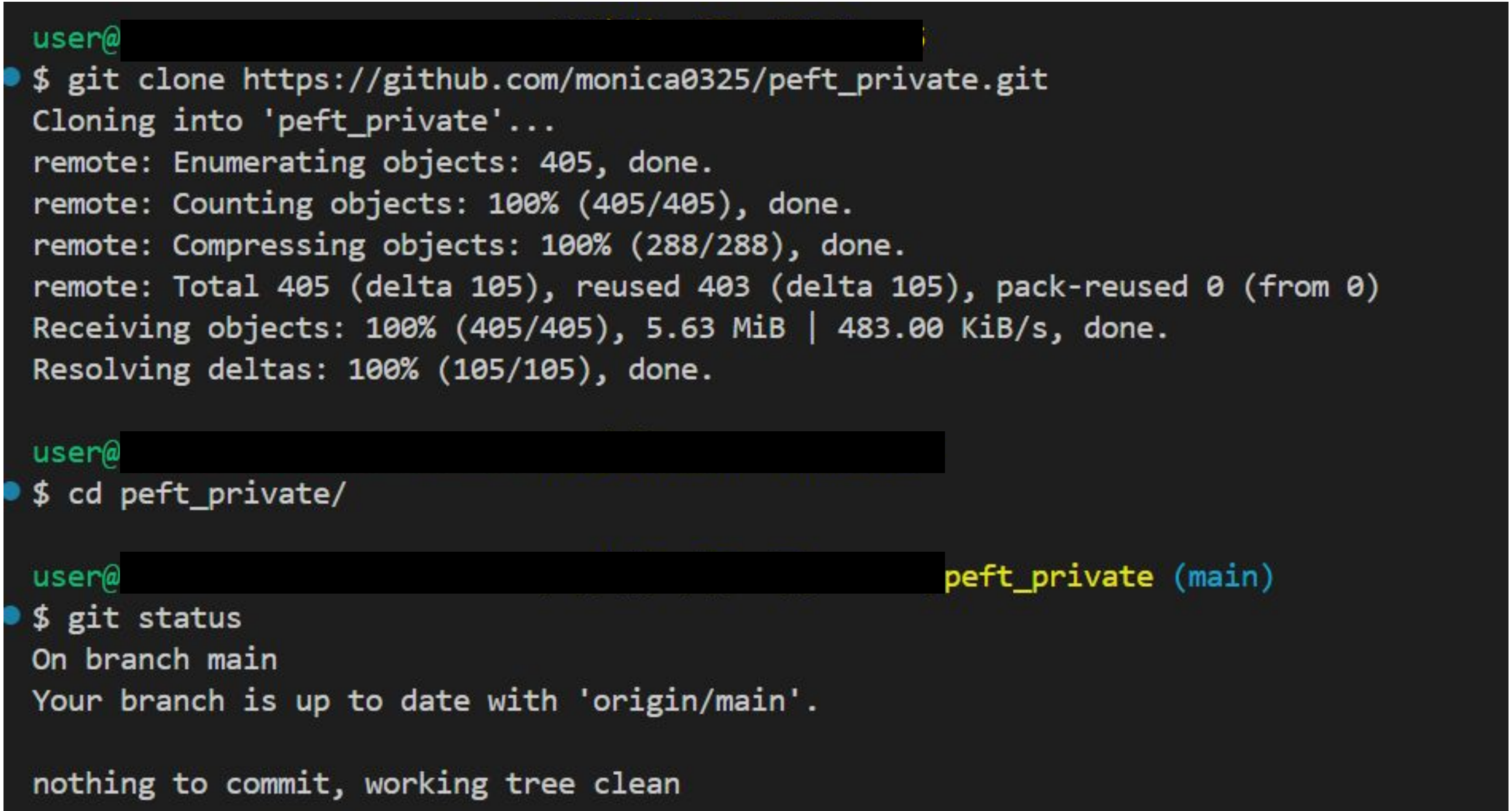
  (replace with the url link of your private repo)

  ```
  cd peft_private/
  ```

  (cd the main directory)

Git basic usage

Clone the private github repository using the web url

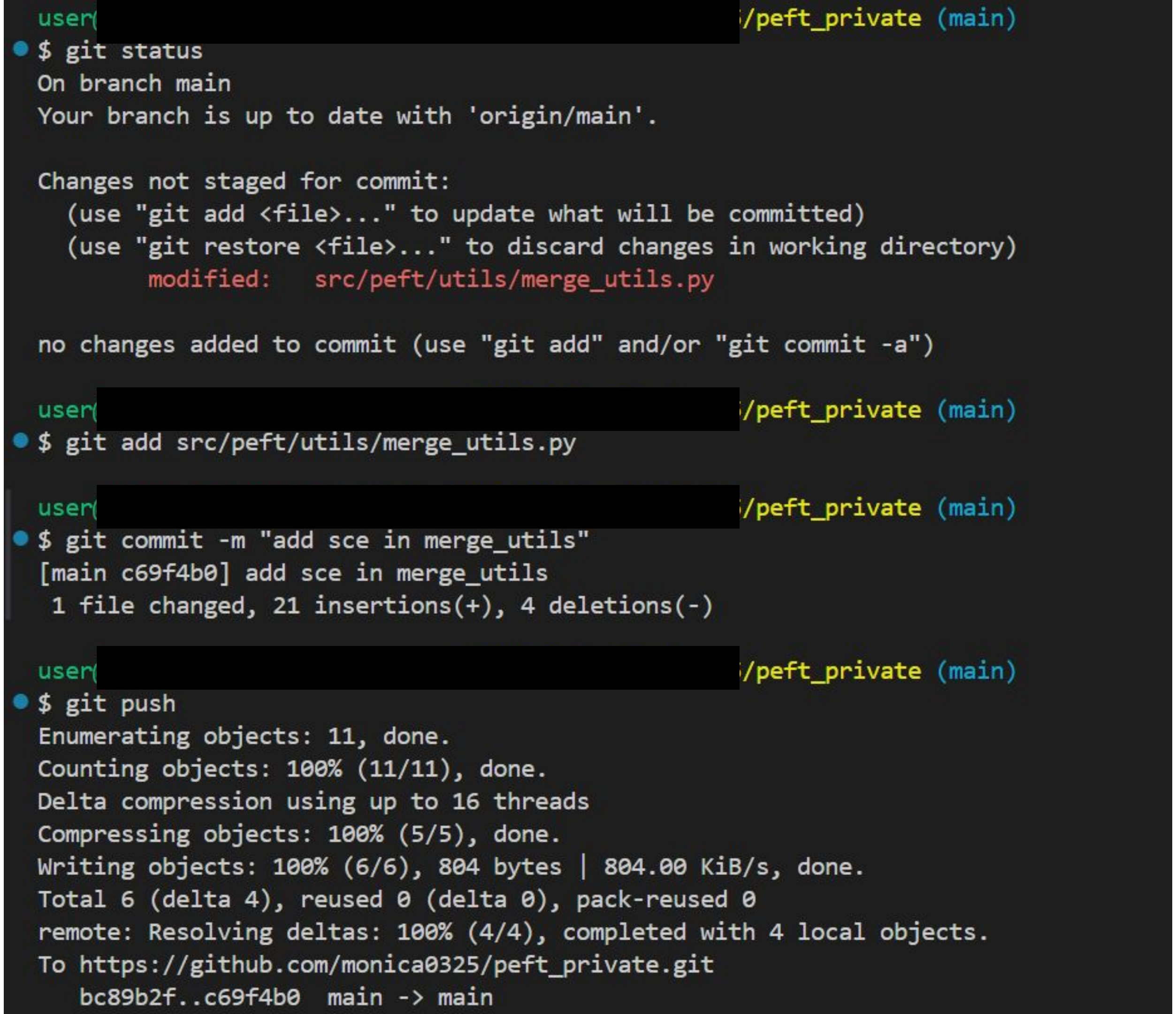


```
user@[redacted]
$ git clone https://github.com/monica0325/peft_private.git
Cloning into 'peft_private'...
remote: Enumerating objects: 405, done.
remote: Counting objects: 100% (405/405), done.
remote: Compressing objects: 100% (288/288), done.
remote: Total 405 (delta 105), reused 403 (delta 105), pack-reused 0 (from 0)
Receiving objects: 100% (405/405), 5.63 MiB | 483.00 KiB/s, done.
Resolving deltas: 100% (105/105), done.

user@[redacted]
$ cd peft_private/

user@[redacted]peft_private (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

Git workflow to push local modifications to the remote repo

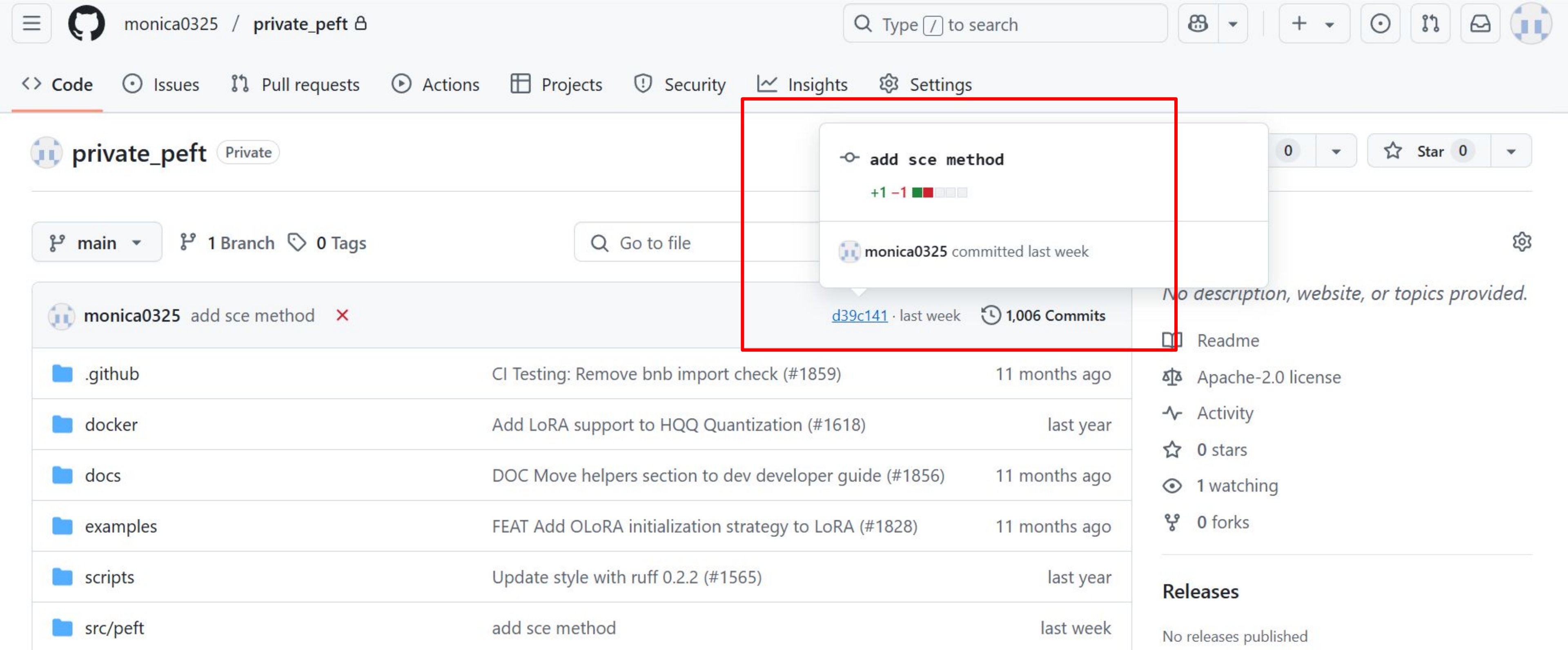
General Git workflow:

```
# Step 1. Check current status
git status

# Step 2. Stage your modified files or Stage all changes
git add filename1 filename2 # or git add .

# Step 3. Commit your changes
git commit -m "Describe what you’ve changed"

# Step 4. Pull latest remote changes (if collaborating)
git pull origin main

# Step 5. Push your committed changes to remote
git push origin main
```



```
user([redacted]/peft_private (main)
● $ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   src/peft/utils/merge_utils.py

no changes added to commit (use "git add" and/or "git commit -a")

user([redacted]/peft_private (main)
● $ git add src/peft/utils/merge_utils.py

user([redacted]/peft_private (main)
● $ git commit -m "add sce in merge_utils"
[main c69f4b0] add sce in merge_utils
 1 file changed, 21 insertions(+), 4 deletions(-)

user([redacted]/peft_private (main)
● $ git push
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 16 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 804 bytes | 804.00 KiB/s, done.
Total 6 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/monica0325/peft_private.git
   bc89b2f..c69f4b0  main -> main
```

Derive a private customized peft package



monica0325 / private_peft

private_peft Private

add sce method
+1 −1

monica0325 committed last week

monica0325 add sce method ✕ d39c141 · last week 1,006 Commits

.github	CI Testing: Remove bnb import check (#1859)	11 months ago
docker	Add LoRA support to HQQ Quantization (#1618)	last year
docs	DOC Move helpers section to dev developer guide (#1856)	11 months ago
examples	FEAT Add OLoRA initialization strategy to LoRA (#1828)	11 months ago
scripts	Update style with ruff 0.2.2 (#1565)	last year
src/peft	add sce method	last week

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Activity
0 stars
1 watching
0 forks

Releases

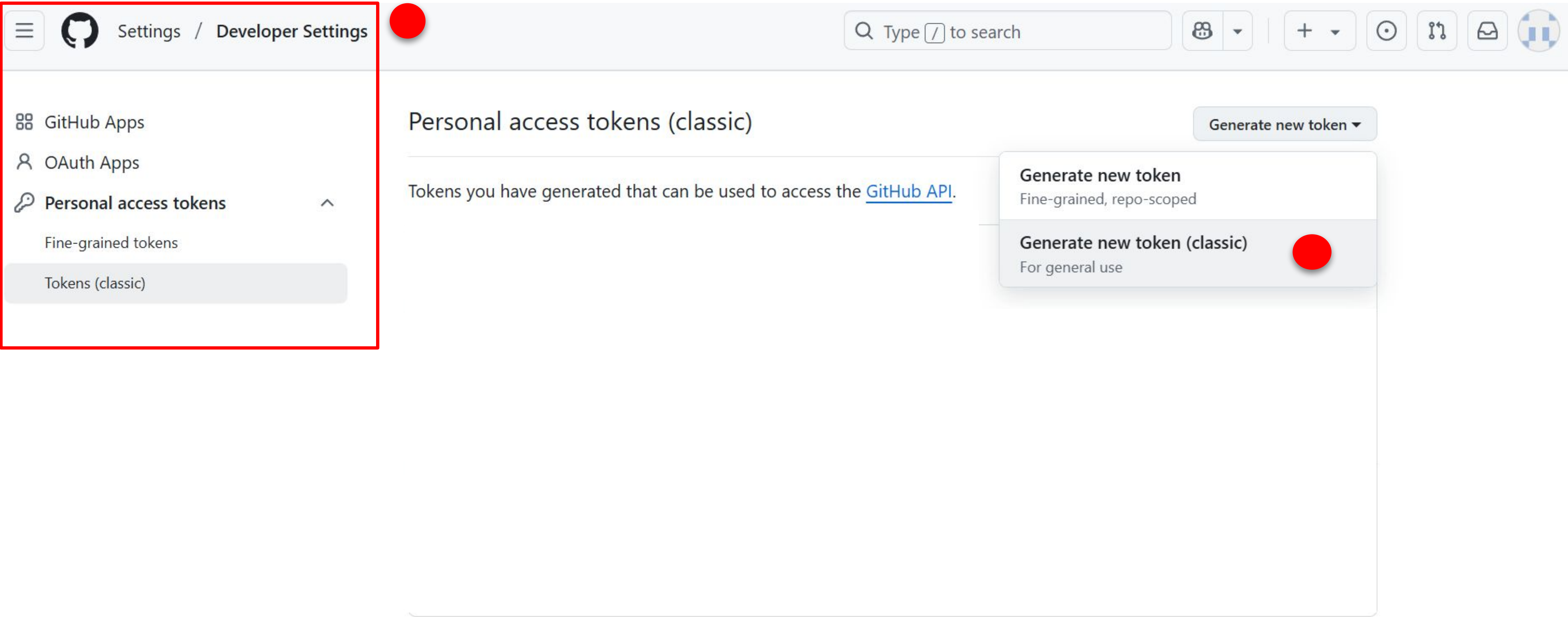
No releases published

Generate private repo access token on GitHub

- Generate a github repo access token for accessing/installing your private repository on Colab/Kaggle notebook

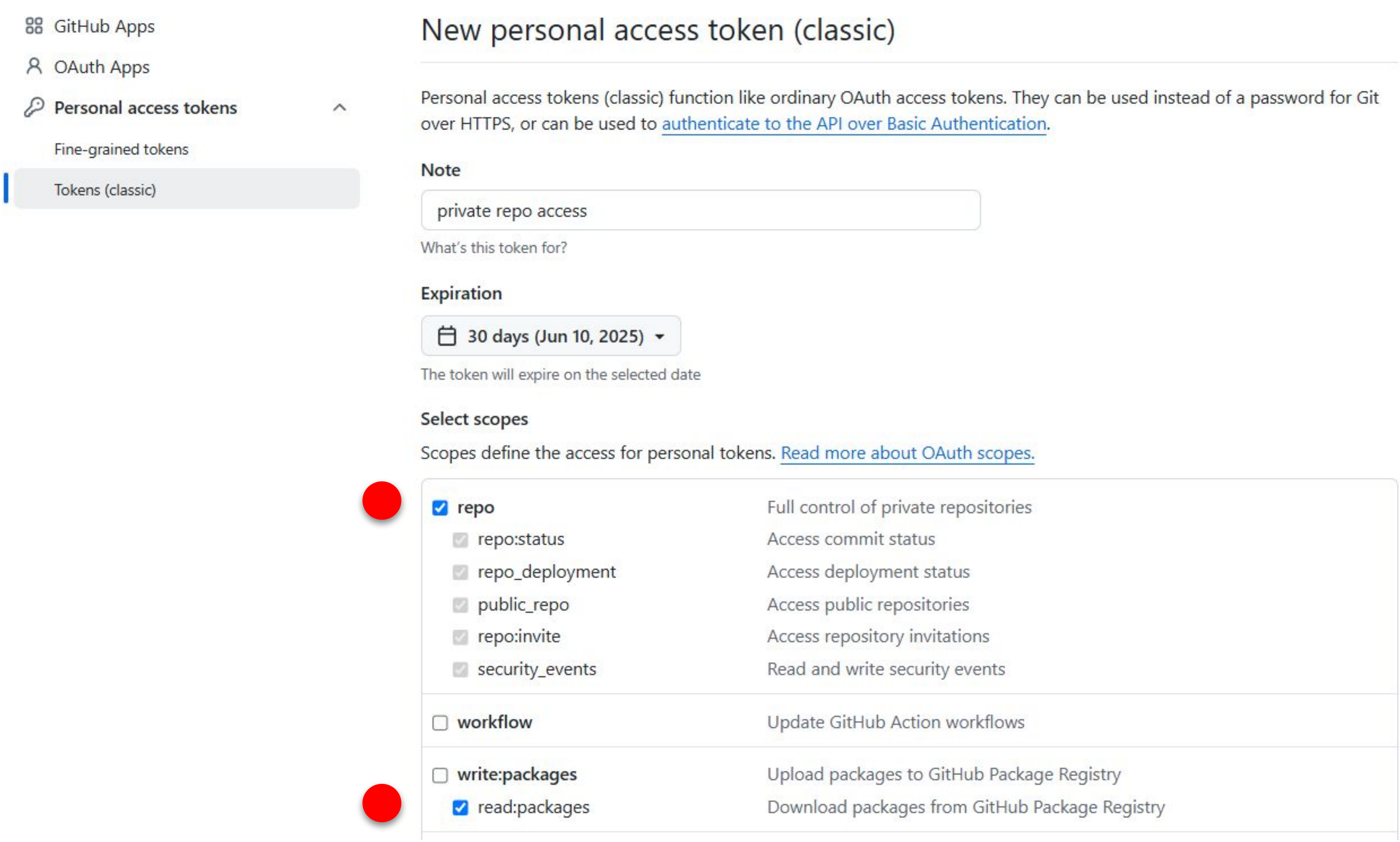
```
https://github.com/{username}/peft_private.git
```

Generate private repo access token on GitHub



Personal access tokens (classic)

Tokens you have generated that can be used to access the GitHub API.



New personal access token (classic)

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

Note

private repo access

What's this token for?

Expiration

30 days (Jun 10, 2025) ▾

The token will expire on the selected date

Select scopes

Scopes define the access for personal tokens. Read more about OAuth scopes.

☑ **repo**	Full control of private repositories
☑ repo:status	Access commit status
☑ repo_deployment	Access deployment status
☑ public_repo	Access public repositories
☑ repo:invite	Access repository invitations
☑ security_events	Read and write security events
□ **workflow**	Update GitHub Action workflows
□ **write:packages**	Upload packages to GitHub Package Registry
☑ read:packages	Download packages from GitHub Package Registry

Install a private GitHub repository as a pip package on Colab or Kaggle

```
# Step 1: Set GitHub username and repo name
username = "your_github_username"
repo_name = "your_private_repo_name"

# Step 2: Enter GitHub token securely
token = getpass("Enter your GitHub token (it will be hidden): ")
os.environ["GITHUB_TOKEN"] = token  # optional: store in env for reuse
# or token = "github_repo_access_token"

# Step 3: Construct repo URL and install via pip
repo_url = f"git+https://{username}:{token}@github.com/{username}/{repo_name}.git"

# Step 4: Install
!pip install {repo_url}
```

End of the Tutorial! Thank you~