

Just Git

Sync [pr] with  
**[upstream/master]**

# Maintainer

Create new repo Clone locally Add README Commit and push to source repo

\* 7ad3e62 (HEAD -> master, origin/master) M Add README.md

# Contributor

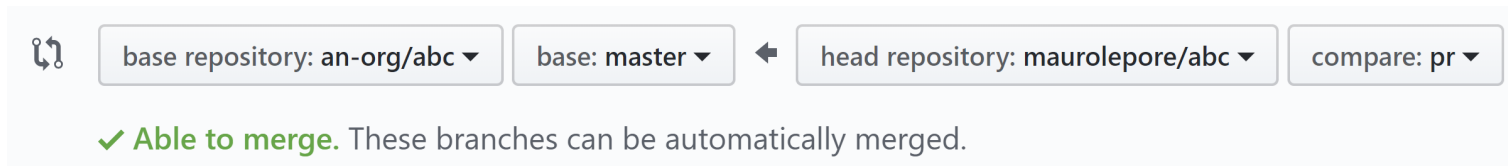
- Fork source repo
- Clone locally
- Checkout new branch
- Edit README
- Commit and push to fork repo

\* 9fd9ae5 (HEAD -> pr, origin/pr) C Edit README.md



\* 7ad3e62 (origin/master, origin/HEAD, master) M Add README.md

# Contributor

- Create pull request on GitHub



The image shows a GitHub pull request interface. On the left is a fork icon. To its right are four dropdown menus: 'base repository: an-org/abc', 'base: master', 'head repository: maurolepore/abc', and 'compare: pr'. Below these is a green checkmark icon followed by the text 'Able to merge. These branches can be automatically merged.'

 base repository: an-org/abc ▼ base: master ▼  head repository: maurolepore/abc ▼ compare: pr ▼

✓ **Able to merge.** These branches can be automatically merged.





# Maintainer



- Edit README
- Commit and push

```
* 7d8b91b (HEAD -> master, origin/master) M Edit README.md
* 7ad3e62 M Add README.md
```


# Notice

## Notice conflict

[github.com/an-org/abc/pull/1](https://github.com/an-org/abc/pull/1)

 **C Edit README.md #1**  
maurolepore wants to merge 1 commit into [an-org:master](#) from [maurolepore:pr](#) 



**This branch has conflicts that must be resolved**  
Use the [web editor](#) or the [command line](#) to resolve conflicts.

Resolve conflicts

**Conflicting files**  
README.md

Merge pull request ▼

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

# Contributor

- Add connection to source repo, then view all connections

```
Contributor@Laptop ~/abc (pr)
```

```
$ git remote add upstream git@github.com:an-org/abc.git
```

```
Contributor@Laptop ~/abc (pr)
```

```
$ git remote -v
```

```
origin  git@github.com:maurolepore/abc.git (fetch)
```

```
origin  git@github.com:maurolepore/abc.git (push)
```

```
upstream      git@github.com:an-org/abc.git (fetch)
```

```
upstream      git@github.com:an-org/abc.git (push)
```

# Contributor

- Bring metadata from source repo

```
Contributor@Laptop ~/abc (pr)
$ git fetch upstream
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From github.com:an-org/abc
* [new branch]      master      -> upstream/master
```



# Contributor

- The history of the local repo remains the same
- ```
* 9fd9ae5 (HEAD -> pr, origin/pr) C Edit README.md
* 7ad3e62 (origin/master, origin/HEAD, master) M Add README.md
```

# Contributor

- Sync the local history (contributor) with updated history of source repo:

```
Contributor@Laptop ~/abc (pr)
$ git merge upstream/master
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Recorded preimage for 'README.md'
Automatic merge failed; fix conflicts and then commit the result.
```

# Contributor

- Fix merge conflicts, then push with `git push`

The screenshot shows the RStudio 'Review Changes' window. At the top, there are tabs for 'Changes' and 'History', and buttons for 'Stage', 'Revert', 'Ignore', 'Pull', and 'Push'. Below these, a table lists the changes. The first change is for 'README.md', which is marked as 'M' (modified) and 'C' (conflict). The commit message field contains 'C Fix merge conflicts (combining edits by C/M)'. Below the commit message, there is a checkbox for 'Amend previous commit' and a 'Commit' button. The bottom section shows a diff view with a 'Show' dropdown set to 'Staged'. The diff shows a conflict in the README.md file. The original content (from the parent commit) is shown in a light green background, and the new content (from the current branch) is shown in a light red background. The conflict is resolved by combining the edits from both branches, as indicated by the commit message.

| Staged                              | Status | Path      |
|-------------------------------------|--------|-----------|
| <input checked="" type="checkbox"/> | M      | README.md |

Commit message  
C Fix merge conflicts (combining edits by C/M)

☐ Amend previous commit Commit

Show ☒ Staged ☐ Unstaged Context 5 line ☒ Ignore Whitespace Unstage All

|   |   | @@ -1,3 +1,4 @@                |
|---|---|--------------------------------|
| 1 | 1 | # abc                          |
| 2 | 2 |                                |
| 3 |   | A repo for demo                |
| 3 |   | A repository for demonstration |
| 4 |   |                                |

Unstage chunk

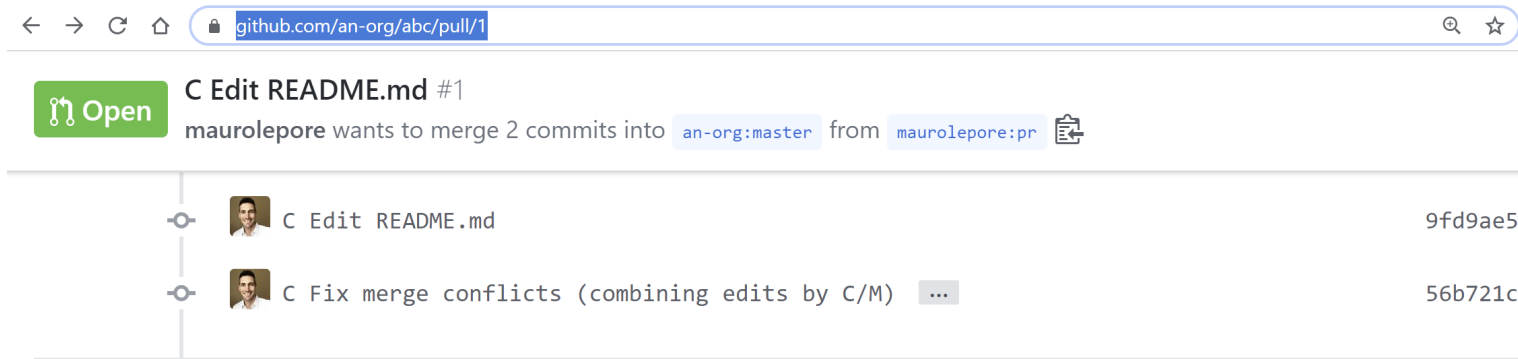
# Contributor

- The history of the local repo has now changed to reflect the merge

```
* 56b721c (HEAD -> pr, origin/pr) C Fix merge conflicts (combining edits by C/M)
|\
| * 7d8b91b (upstream/master) M Edit README.md
* | 9fd9ae5 C Edit README.md
|/
* 7ad3e62 (origin/master, origin/HEAD, master) M Add README.md
```

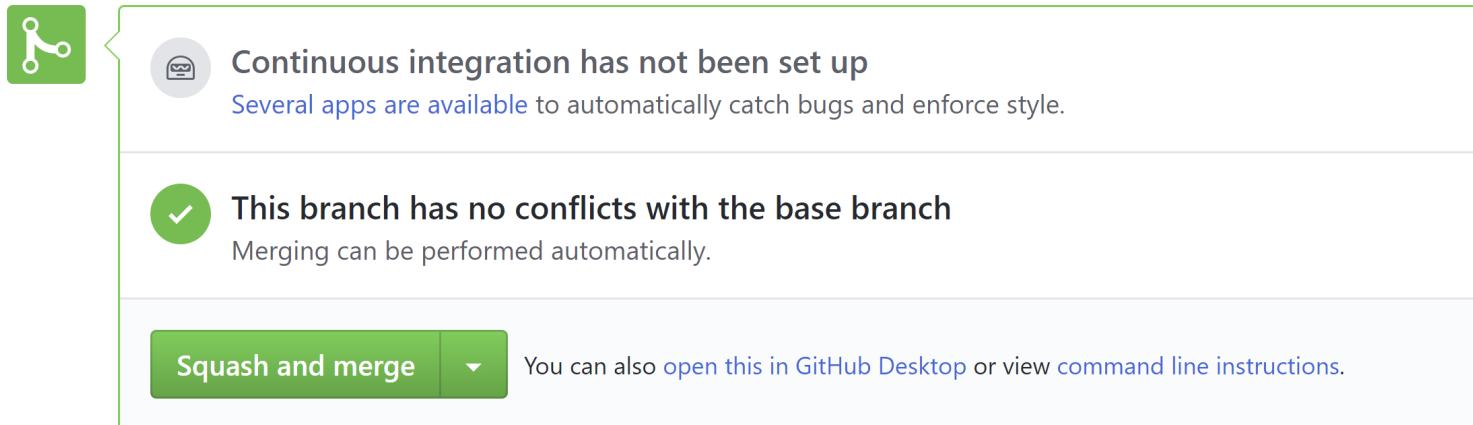
# Notice

- Notice that the PR is now again ready to merge



The screenshot shows a GitHub pull request interface. At the top, the browser address bar displays `github.com/an-org/abc/pull/1`. Below the header, a green button labeled "Open" is next to the title "C Edit README.md #1". The description states "maurolepore wants to merge 2 commits into `an-org:master` from `maurolepore:pr`". A commit history list follows, showing two commits: "C Edit README.md" with hash `9fd9ae5` and "C Fix merge conflicts (combining edits by C/M)" with hash `56b721c`. The second commit is marked as the merge commit.

Add more commits by pushing to the **pr** branch on **maurolepore/abc**.



This block contains the GitHub status box for the pull request. It features a green share icon on the left. The first section, titled "Continuous integration has not been set up", includes a message about using apps to catch bugs and enforce style. The second section, titled "This branch has no conflicts with the base branch", includes a checkmark icon and a message stating that merging can be performed automatically. At the bottom, there is a green "Squash and merge" button with a dropdown arrow, followed by a link to view command line instructions.

# Notice

- After merging, the source repo stays clean (no [pr] branch)

