

Creating Github Repository from command line

Asked 3 years, 6 months ago Active 4 months ago Viewed 9k times



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I have been trying to push my local repo changes to github from command line. I have been away from git for a while now so I don't remember a few things. For the past hour I have been trying to push the repo without creating a remote repo on Github.com. As far as I remember, `git push origin master/` `git push` is enough to push the local changes and if necessary create a repo on the remote server. However `git push` wouldn't let me push and automatically create the repo.

So to save time, I created remote repo on github.com and add the remote repo url using

```
git remote add origin https://mygithubrepoUrl.com
```

and it worked.

Is it necessary to create remote repo on Github and then add this url from command line to push changes? Can't Git automatically create repo and push changes?

git

github

repository

asked Feb 1 '16 at 7:25



[user2498079](#)

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Yes, I believe this is necessary, and creating the repo remotely and then adding `origin` locally is the normal workflow. – [Tim Biegeleisen](#) Feb 1 '16 at 7:31

1 The below post has the answer stackoverflow.com/questions/2423777/... – [Thangakumar D](#) Mar 13 '17 at 16:12

2 Answers



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```
git init newRepo
cd newRepo
```

You need to create the repo before pushing, but there's [hub](#) that automates this for you:

sa newrepo
hub create

Use the `-p` switch to `hub create` to create a private repository. To push the local `master` branch, issue:

```
git push -u origin HEAD
```

The tool can also create pull requests, open the project page, check the CI status, clone existing repos by specifying only `username/repo` , and a few more things.

The project page suggests aliasing `git` to `hub` (because the latter forwards unknown commands to `git`), but I don't recommend this, even if just to distinguish "bare" Git commands from the `hub` candy.

edited Feb 1 '16 at 7:54

answered Feb 1 '16 at 7:32



[krlmlr](#)

15.6k 8 83 160

Github API should make work.

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First create repo using `curl` and API <https://developer.github.com/v3/repos/#create>

something like: `curl -u 'username' https://api.github.com/user/repos -d '{"name":"repository name"}'`

and then you can add remote and push as you have described before:

```
git remote add origin git@github.com:user/repository_name.git && git push origin master
```

edited Feb 1 '16 at 10:56

answered Feb 1 '16 at 10:50



[mickiewicz](#)

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[Github API create](#) states that whilst two endpoints exist for creating a new repo (i.e. one for **user accounts** and one for **organization accounts**), they have only enabled the **organization accounts** endpoint. Example `curl --user 'username' https://api.github.com/username/repos --request POST --data '{"name":"newreponame"}' --verbose` returns 404 Not Found , whereas `curl --user 'username' https://api.github.com/orgs/orgname/repos -d '{"name":"newreponame"}'` returns 201 Created . Use [hub](#) instead. – [Luke Schoen](#) Sep 8 '17 at 22:42

