## Creating Github Repository from command line

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



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



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

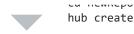
1 The below post has the answer stackoverflow.com/guestions/2423777/... – Thangakumar D Mar 13 '17 at 16:12

## 2 Answers



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

16 git init newRepo



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



**15.6k** 8 83 160



Github API should make work.

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First create repo using curl and API <a href="https://developer.github.com/v3/repos/#create">https://developer.github.com/v3/repos/#create</a>



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



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 <a href="https://api.github.com/orgs/orgname/repos">https://api.github.com/orgs/orgname/repos</a> -d '{"name":"newreponame/repos</a> -d '{"name":"newreponame/repos</a> -d '{"name":"newreponame/repos</a> -d