

How to use Bitbucket and GitHub at the same time for one project?

Asked 6 years, 11 months ago Active 1 year, 8 months ago Viewed 29k times

▲ I have one repository which I want to push into Bitbucket and GitHub. It is vital for my repository to be hosted by both.

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Is there a way to do this in Git?

git github bitbucket



62

edited Sep 29 '16 at 20:15



Oleg Sliusar

20 3 10

asked Oct 18 '12 at 18:40



erogol

4,824 23 76 133

- 4 This seems very useful. Especially when one repository is down. At the moment bitbucket is down and I am basically not able to do my work. – [imranal](#) Oct 23 '15 at 11:33

3 Answers

▲ You can use multiple remote repositories with git. But you'll have to push separately into 2 of your remotes I believe.

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For example, if your project currently points to github, you can rename your current remote repository to `github` :



```
$ git remote rename origin github
```



You can then add another remote repository, say `bitbucket` :

```
$ git remote add bitbucket git@bitbucket.org:your_user/your_repo.git
```

Now in order to push changes to corresponding branch on github or bitbucket you can do this:

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```
$ git push github HEAD  
$ git push bitbucket HEAD
```

Same rule applies to pulling: you need to specify which remote you want to pull from:

```
$ git pull github your_branch  
$ git pull bitbucket your_branch
```

edited Jan 30 '18 at 14:05

answered Oct 18 '12 at 18:42



[Denis Kniazhev](#)

6,161 5 39 57

6 Note to future people visiting, your `.ssh/config` file is the key to achieving this setup. Add a `Host github.com` and a `Host bitbucket.org` in order to identify which `IdentityFile` to use. Then you won't get permission denied errors trying to swap back and forth between bitbucket and github. Hope this helps someone. – [Ultimater](#) Apr 17 '18 at 6:28



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Yes, you can do that. You don't have to push twice but just once to push to both remote repositories. I had the same issue before so wrote how to do it here. [Git: Push to / Pull from Both Github and Bitbucket](#)

answered Jun 26 '13 at 16:08



[Kevin Lee](#)

564 5 4

2 Good post! It would be good to include a summery here if you could. – [OneHoopyFrood](#) Apr 4 '17 at 20:57



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A few **EASY** solutions.

Multiple remotes pushed (and fetched) independently

This is the easiest to get your head around, but the most effort to maintain.

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```
$ cd myproject
$ git remote add bitbucket ssh://git@bitbucket.org/user/myproject.git
$ git push bitbucket master
```

Straight forward no? Except of course every time we commit any changes, we need to push to both our original “origin” and our new remote “bitbucket”:

```
$ git push origin master
$ git push bitbucket master
```

Not a massive overhead, but I’m sure it will grate over time. Or you can create an `alias gpob="git push origin master && git push bitbucket master".

Single remote with multiple URLs pushed (and fetched) consecutively

With this method, we are going to add an additional URL to our existing remote “origin”:

```
$ cd myproject
$ git remote set-url --add origin ssh://git@bitbucket.org/user/myproject.git
$ git push origin master
Everything up-to-date
Everything up-to-date
```

Much less effort!

Of course silver lining has a cloud, and in this case, it is that while we can push to multiple URLs simultaneously, we can only fetch from the original “origin” (you can change this, but that is out of scope for this post).

Finally, to see which remote will be fetched from:

```
$ git remote -v show
```

I [blogged about it](#) as well.

edited Aug 1 '17 at 8:57

 ionrshame

answered Aug 17 '15 at 2:58

 Ahmad Awaiz

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