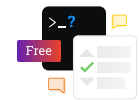


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How do I push a local Git branch to master branch in the remote?

Asked 11 years ago Modified 7 months ago Viewed 582k times

536



211



I have a branch called develop in my local repo, and I want to make sure that when I push it to origin it's merged with the origin/master. Currently, when I push it's added to a remote develop branch.

How can I do this?

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edited Feb 26, 2016 at 12:53

[hmjail](#) mourns resignees
1,002 • 8 • 17

asked Mar 24, 2011 at 18:07

[picardo](#)
23.7k • 32 • 101 • 149

Is there a particular reason you don't want to merge it locally into `origin` and then push that to the remote? – [bhamby](#) Mar 24, 2011 at 18:15

I think `@galador` means merge locally into `master` but it's a valid point. If it's stable enough for origin's master branch, then *surely* it's stable enough for your master branch! – [Cascabel](#) Mar 24, 2011 at 18:31

2 [@Jefromi](#) imagine you were working on something in your local master and you made some commits which are not yet ready to push. Then it turns out that you have urgent task. You create a local branch from remote master, work and push your changes back to master. Maybe it's not the best way but that's what happened to me and that's what I did. It worked flawlessly as intended. Well, I should've been working in separate local branch in the first place, but it's pain in the ass to branch all the time and it was too late. – [pinkkeen](#) Feb 25, 2013 at 10:21

22 I'm pushing a development branch to a non-public-facing testing app on Heroku to see how things work in Heroku's environment. Definitely don't want to merge my code into `master`, but Heroku won't run the code unless it's on `master` within the app. This is a perfectly reasonable request with legitimate use cases! – [JacobEvelyn](#) Mar 1, 2014 at 17:50

I used it all the time when push local working branch into heroku test server. – [ecleel](#) Apr 15, 2014 at 16:47

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6 Answers

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936



```
$ git push origin develop:master
```

or, more generally

```
$ git push <remote> <local branch name>:<remote branch to push into>
```

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edited Jan 26, 2016 at 18:33

answered Mar 24, 2011 at 18:21

[mipadi](#)
377k • 84 • 511 • 472

32 Don't do "git push origin :master" that can remove your existing branch o the remote – [Mangirdas Skripka](#) Jan 12, 2015 at 16:27

58 True [@MangirdasSkripka](#)! Just use `git push origin head:master` if you don't want to specify the name of the current branch :) – [Francesc Rosas](#) May 29, 2015 at 12:01

28 Good Idea [@FrancescRosas](#), it's HEAD (capital letters) though. – [smokku](#) Aug 6, 2015 at 9:09

[@Mipadi](#) if i have mender permission, can i move this – [Neeraj Sharma](#) May 18, 2016 at 5:15

12 [@NeerajSharma](#): I don't know what mender permission is, or what you want to move. – [mipadi](#) May 18, 2016 at 18:21

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230



As people mentioned in the comments you probably don't want to do that... The answer from [mipadi](#) is absolutely correct if you know what you're doing.

I would say:

```
git checkout master
git pull          # to update the state to the latest remote master state
git merge develop # to bring changes to local master from your develop branch
git push origin master # push current HEAD to remote master branch
```

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edited Jul 29, 2015 at 20:17

[Travis](#)
11.5k • 3 • 24 • 39

answered Mar 25, 2011 at 15:13

[Eugene Sajine](#)
7,854 • 3 • 22 • 26

25 Just to mention, there is some sense in his request, I am using that case to deploy(push) my development to Heroku master – [Fabiano Soriani](#) Jul 7, 2012 at 7:47

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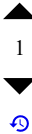
5 Again, this technique is IMHO for advanced git users only. Not that it is too difficult, it just requires people to understand what are they doing and why it works the way it works. Everybody is free to use git to their liking, but I think following the approach i suggested is much better for educational purposes, especially for git newcomers. Clean "topic branches" is the way to start, you can optimize your workflow later on if needed. – Eugene Sajine Jul 10, 2012 at 17:57

1 It's actually a fairly common thing to do. The master branch usually is your deployment branch. If two teams intentionally diverge their deployment, then chances are you're going to use a cherry-picked local branch to push patches upstream. Now you might argue that the changes should be pushed upstream to a branch and then merged from there into master, but it certainly isn't that odd to do it the other way, IMO. – dgatwood Jul 31, 2013 at 1:35

+1 This is the most logical way to "build" a production release. – Ryan Nov 26, 2013 at 7:09

How would you do it if you don't want to merge with develop but have develop rebased to master? – user239558 Mar 17, 2015 at 12:22

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you can install the git tool <https://git-scm.com/downloads> and it can help with merging branch to master. I created a branch in RStudio, worked on it, pushed changes to github. Then when I wanted to merge I opened this git GUI tool, navigated to the folder with my repository, then merged the branch to master. I opened RStudio to check if the changes had happened, then pushed to github from RStudio.

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answered Aug 26, 2021 at 17:35

Macdonald

23 3

Although most of the devs recommend command line to do the git operations. Please add some ss to make the clear flow out if you want to explain a gui based tool. – Deepak Yadav Aug 26, 2021 at 18:09

Please add further details to expand on your answer, such as working code or documentation citations. – Community Bot Aug 26, 2021 at 18:09

Hi @DeepakYadav, after installing the git GUI tool git-scm.com/downloads, click on "Repository" and navigate to the local folder on your machine with the repository. After this location has been loaded in Git app, it will show you all the branches that are there. You then click on "Merge", and you can choose if you want to merge the master to branch or vice versa. There are also options to commit and push using this GUI, or if you are using RStudio like me you can decide to push in RStudio after checking changes. – Macdonald Aug 27, 2021 at 13:56

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You can also do it this way to reference the previous branch implicitly:

```
git checkout mainline
git pull
git merge -
git push
```

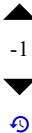
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answered Jul 17, 2020 at 19:09

Eric Woodruff

6,124 3 34 33

Add a comment



As an extend to @Eugene's answer another version which will work to push code from local repo to master/develop branch .

Switch to branch 'master':

```
$ git checkout master
```

Merge from local repo to master:

```
$ git merge --no-ff FEATURE/<branch_Name>
```

Push to master:

```
$ git push
```

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edited Nov 26, 2018 at 6:38

bunbun

2,556 3 30 51

answered Nov 26, 2018 at 5:48

Rambabu

93 1 8

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Follow the below steps for push the local repo into Master branch

```
$ git status
```

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edited Mar 26, 2021 at 13:47

Adam

1,148 1 11 32

answered Mar 23, 2020 at 8:00

Shiv Test

1

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