git: "Updates were rejected because the tip of your current branch is behind.." but how to see differences?



I just finished working on a piece of code. Wanted to push and got the already famous:

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hint: Updates were rejected because the tip of your current branch is behind hint: its remote counterpart. Integrate the remote changes (e.g. hint: 'git pull ...') before pushing again.



Now I've seen this question posted several times here, e.g.

Updates were rejected because the tip of your current branch is behind hint: its remote counterpart. Integrate the remote changes (e.g.

Updates were rejected because the tip of your current branch is behind

According to the specific case, the solution is either to

- git pull, so the remote changes are merged on to my local work, OR
- git push -f, a force push to update the remote (origin) branch.

Now, it has been a while I haven't worked on this branch. I don't necessarily want to merge the remote changes onto my current work! Nor do I know if I can safely force the update on the origin branch...

How can I just see the differences and decide which is best for my case?

git

asked Jul 25 '17 at 3:11



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3 Answers



in order to see the differences, first you need to fetch the commits from the origin repository:



git fetch origin



Now you can see the diffs (Assuming you are on the master branch) git diff HEAD..origin/master



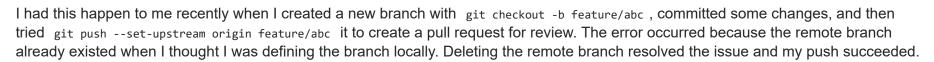
Now you are armed with the knowledge you seek to decide to merge or rebase before push ing your changes.

answered Jul 25 '17 at 3:54



2 Two points mixes together differences done to remote and local branches. In this case it would be better to use three-dots diff to see changes specific to either local or remote side. – max630 Jul 25 '17 at 4:54 /







answered Apr 26 '18 at 21:34



3 869

69 1 24

How do you delete the remote branch? - Bluz Jan 18 at 11:54

We were using BitBucket, so the BitBucket UI shows the remote branch and I just deleted from there. The git CLI should also provide a way to delete remote branches... I just don't do it that way. – djb Jan 22 at 15:00

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If you mean to discard your local changes you should run git reset --hard @{u} . Note again this is irreversible action wrt some data, so be sure before running it. Here's how:





To review which local commits you currently have you can use git log HEAD --not --remotes, to compare to any remote branch or git log @{u}..HEAD to see differences specific to the tracked branch.

To see the actual diff which you have committed locally, run git diff @{u}.... This will ignore remote progress, and show only your changes.

To see uncommitted changes, run git diff HEAD.

PS: You should run first git fetch origin or git remote update to update the tracking references.

answered Jul 25 '17 at 4:46



max630

5,572 1 15 42

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