

Oh, I see so many commits, can you make it one?

Pre-condition

- Your changes must be at the *top of git log*.
- To ensure this always, If you plan to merge master or some branch, *perform rebase not merge*

Let's see all possible cases:

Case 1: If all commits are Local only and not Remotely pushed

Method 1: By Android Studio

1. Go to "Git" in toolbar windows > Select "Log" tab > Select your branch
2. Right click on "oldest" commit from all the commits you want to squash.
3. Select "Interactively Rebase from Here..."
4. Select each commit and click on Squash (alternatively select squash after right click)
5. Provide new commit message
6. Click Start Rebasing
7. Go to VCS> Git> Push
8. Window dialog opens, Click on "Push"

That's it. Now you will see only one commit. Bravo!!!!

Method 2: By Terminal

1. `git reset --soft "HEAD~n"`
Assuming ~n is number of commits to softly un-commit
2. `git commit -m "squashed commit"`
3. `git push`

Tip to avoid all the steps and just run this command:

`git reset --soft HEAD~n && git commit -m "squashed commit" && git push`

Case 2: If all commits are Remotely pushed

Method 1: By Android Studio

Step 1 to 7 is same as above, replace step 8 by

8. Window dialog opens, Click on "Force Push"

Method 2: By Terminal

Step 1 to 2 is same as above, replace step 3 by

3. `git push -f`

Tip to avoid all the steps and just run this command:

`git reset --soft HEAD~n && git commit -m "squashed commit" && git push -f`

Case 3: If some commits are Local and some are Remotely pushed

~Same as case 2

“If anything goes wrong after while doing it, just run this command”

`git rebase --abort`

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