Useful git commands:

**Git command :**

git remote add rezlive https://dipendu\_rezlive@bitbucket.org/rezlive/rezliveagile.git

- Use to add a remote repository

**Git command :**

git remote

- Show all remotes

**Git command :**

git fetch rezlive

Fetch remote data : The remote’s there, but you don’t yet have any information about it. You need to fetch that.

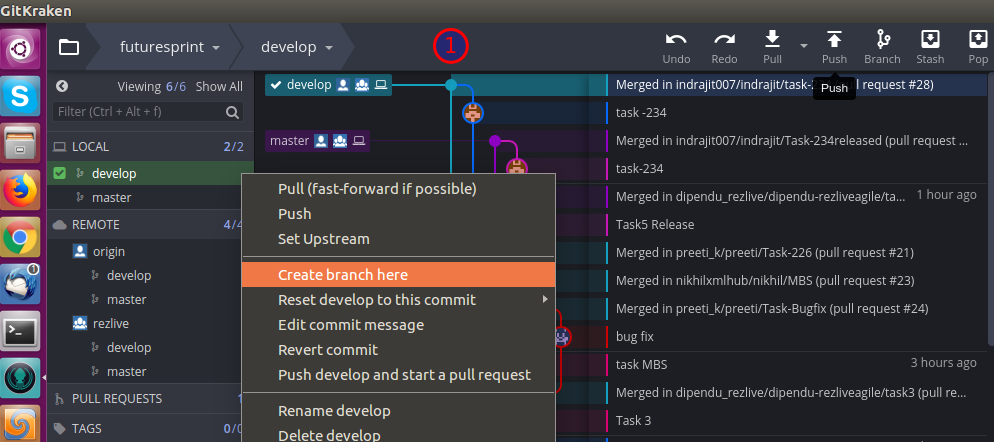
### **List remote branches**

git branch shows your local branches.

To see a list of them all, including the remote branches:

git branch -a

1) Create new branch from develop branch.

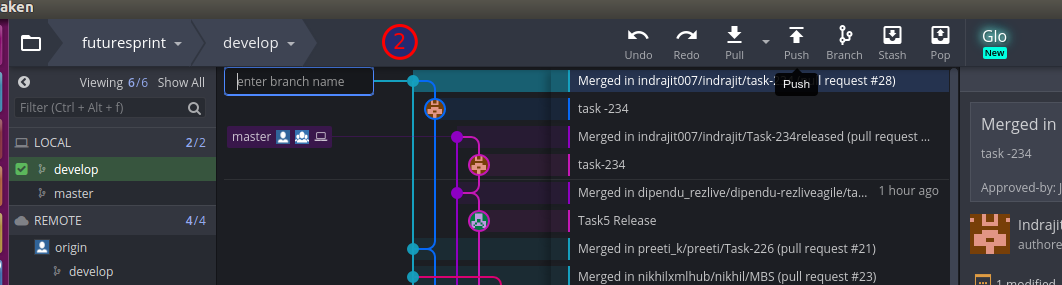


**Git command :** git checkout -b dev/TASK-276 develop

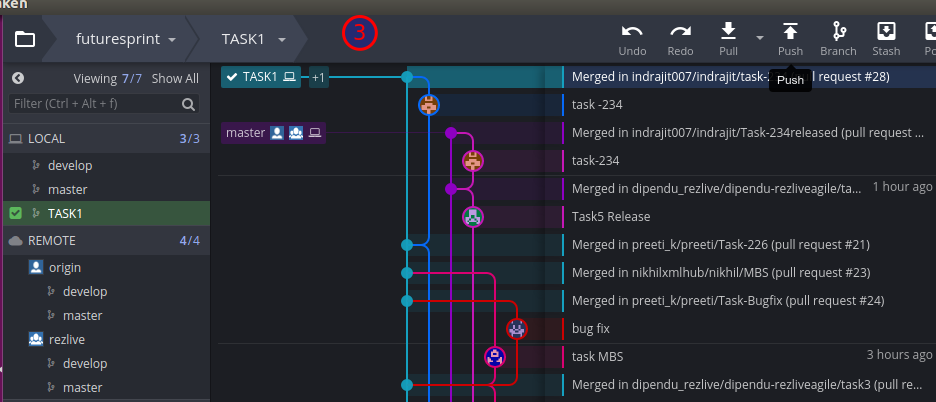
- Creates dev/TASK-276 branch from develop and checkout

- The -b flag tells it to create a new branch at the same time

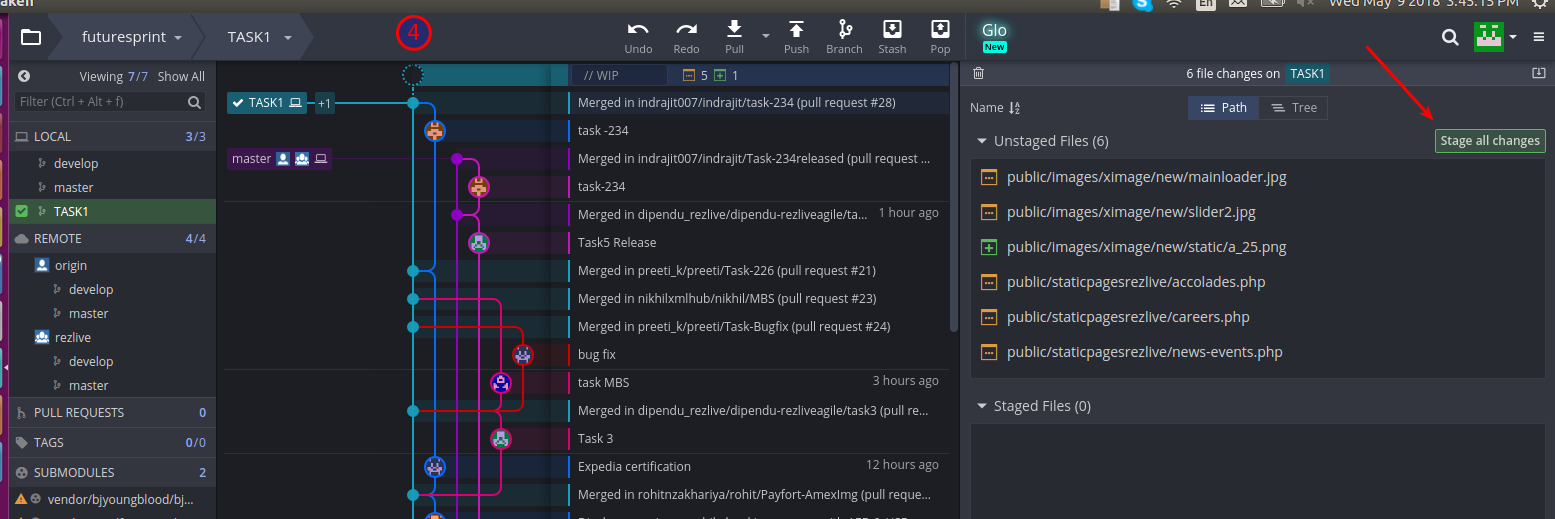
2) Enter your new Jira Task No.



3) Select your Task branch (**TASK1**)



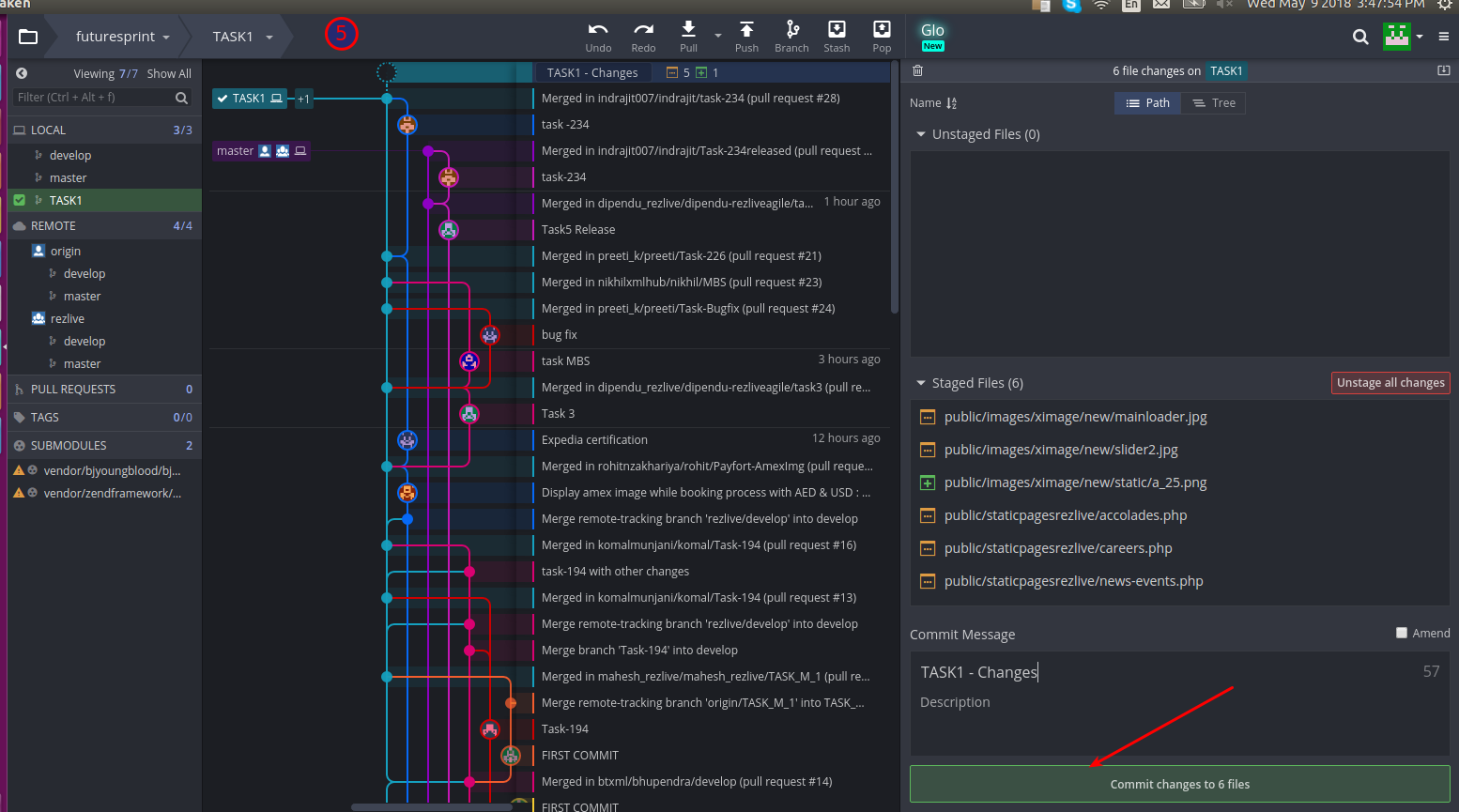
4) Click stage all changes.



**Git command :** git add -A

- Adds new files for commit if any

5) Enter your comment and commit changes.



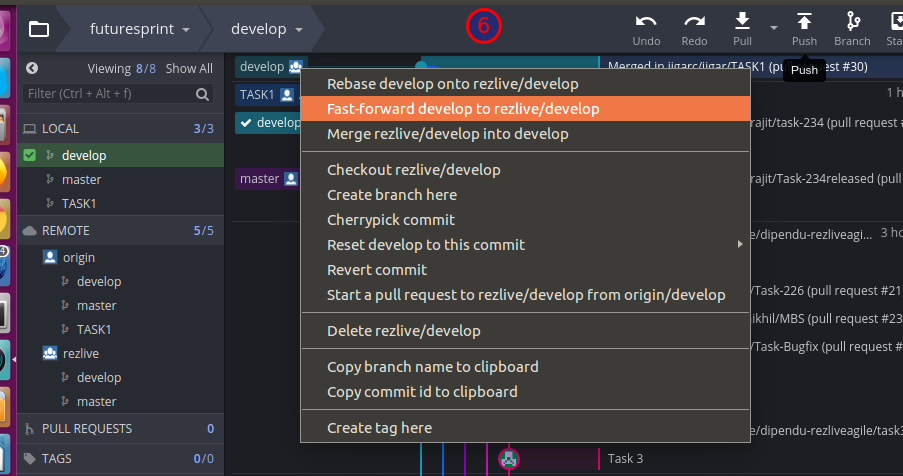
**Git command :** git commit -m "TASK-276"

- Commit in local repo

**Git command :** git commit --amend -m "TASK-276"

- Amends new changes in previous commit

6) Shift to branch develop and right click on rezlive develop , then click on fast- forward develop to rezlive/develop.

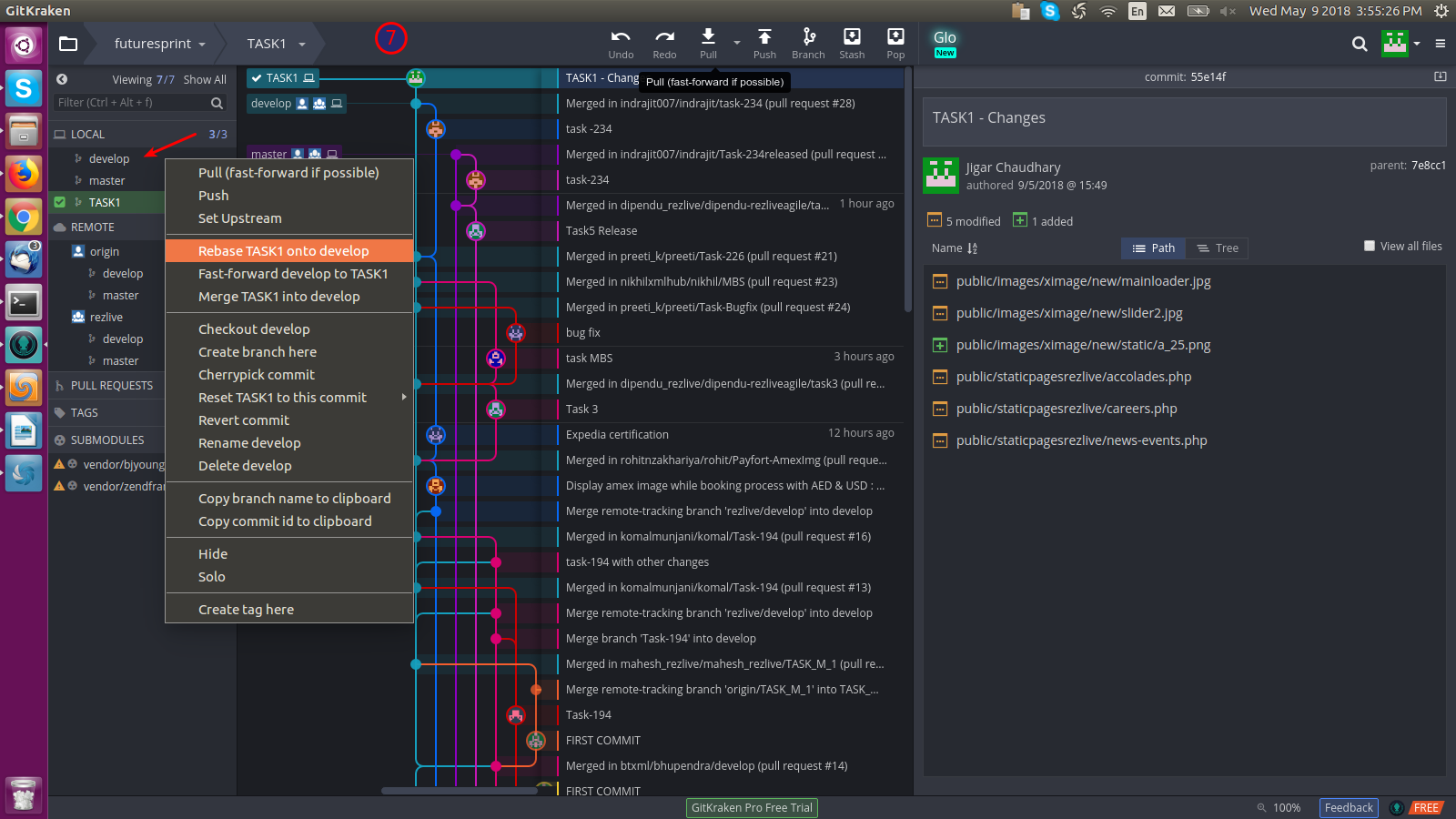


**Git command :**

git checkout develop

git pull --ff-only rezlive develop

7) shift to TASK1 and right click on develop then you can find **Rebase – TASK1 onto Develop**



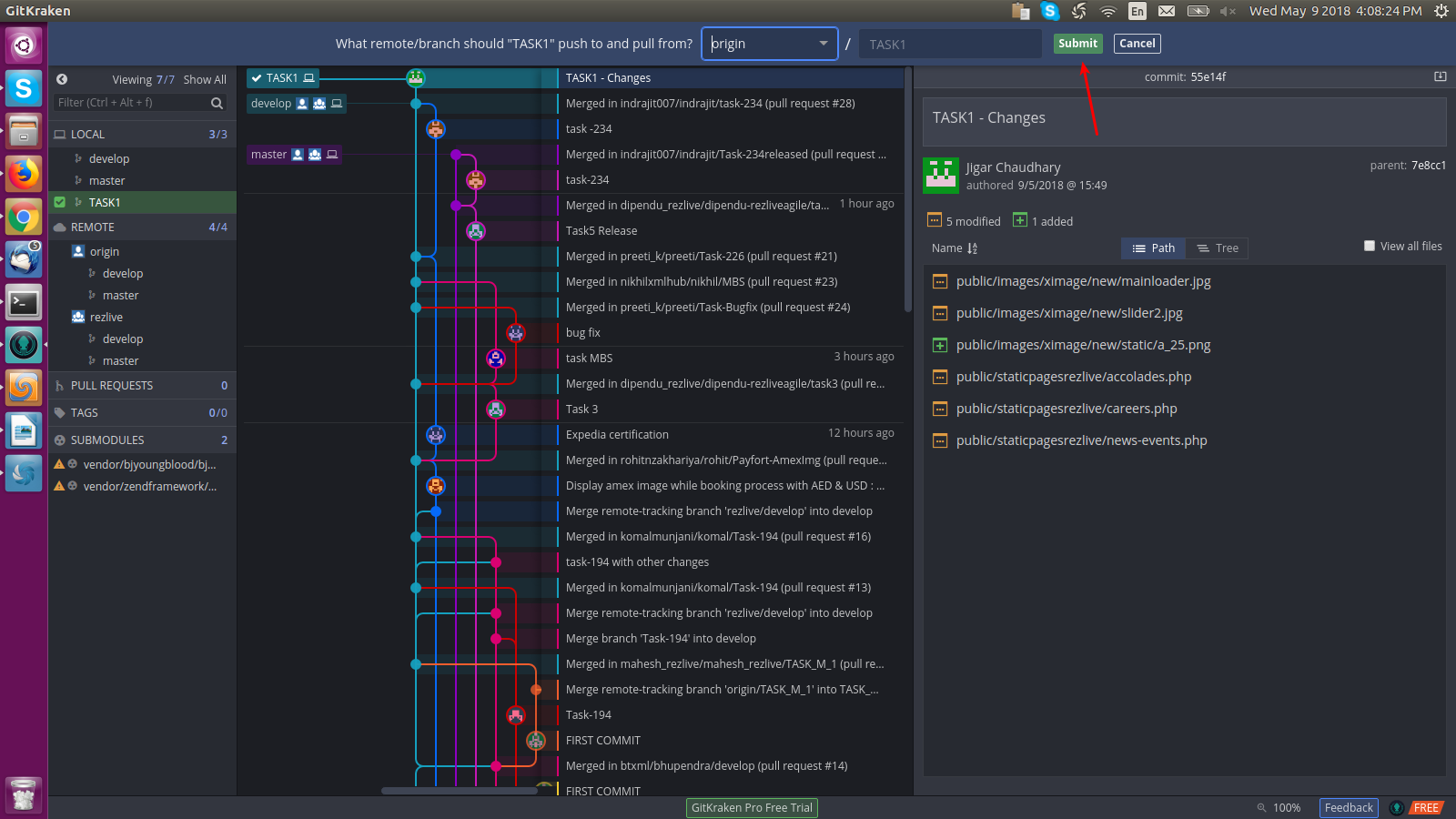
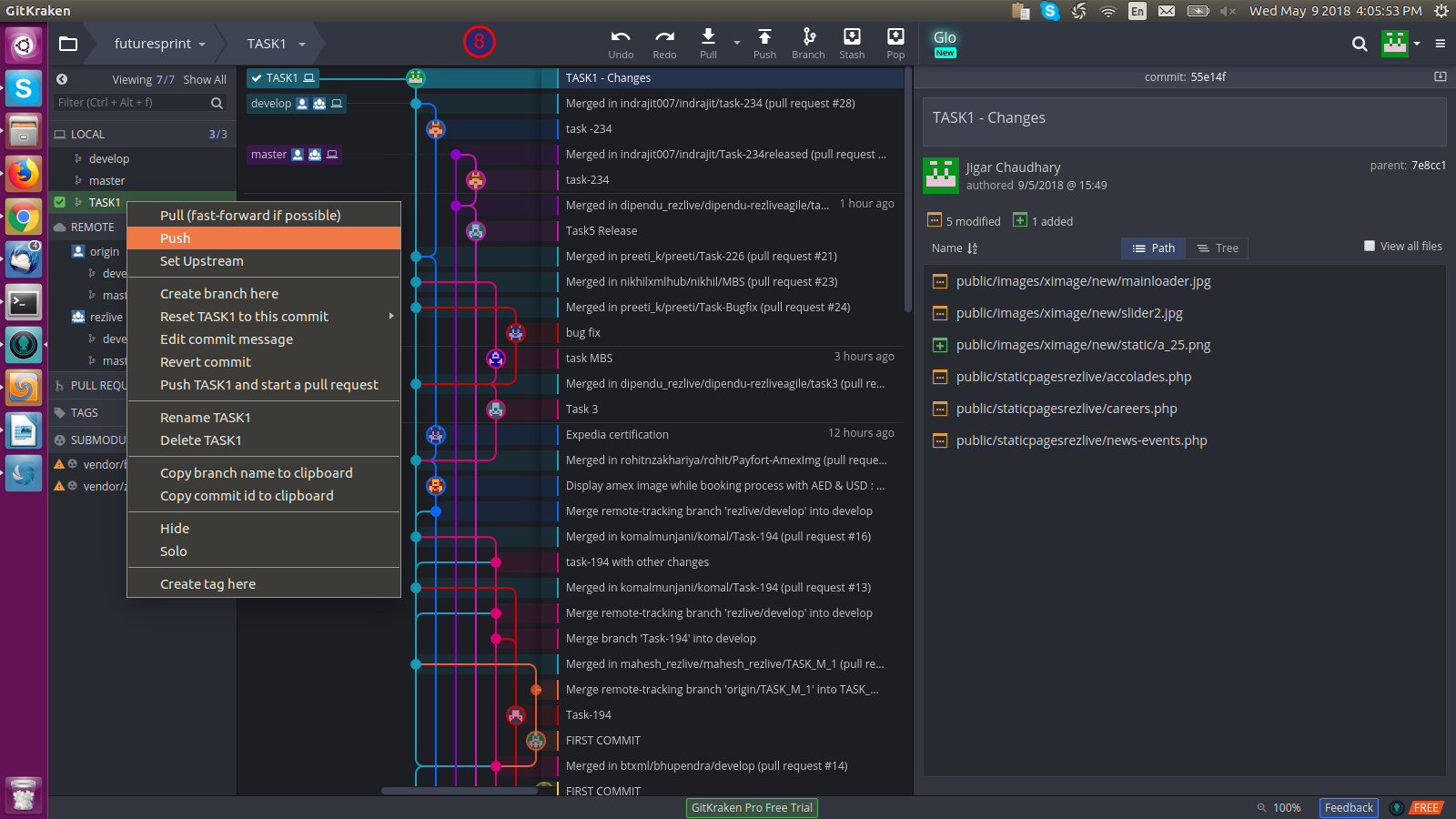
**Note: Resolve all the conflicts and commit all changes.**

**Git command :**

git checkout develop/TASK-276

git rebase develop

8) Right click on TASK1 and click on push and then submit

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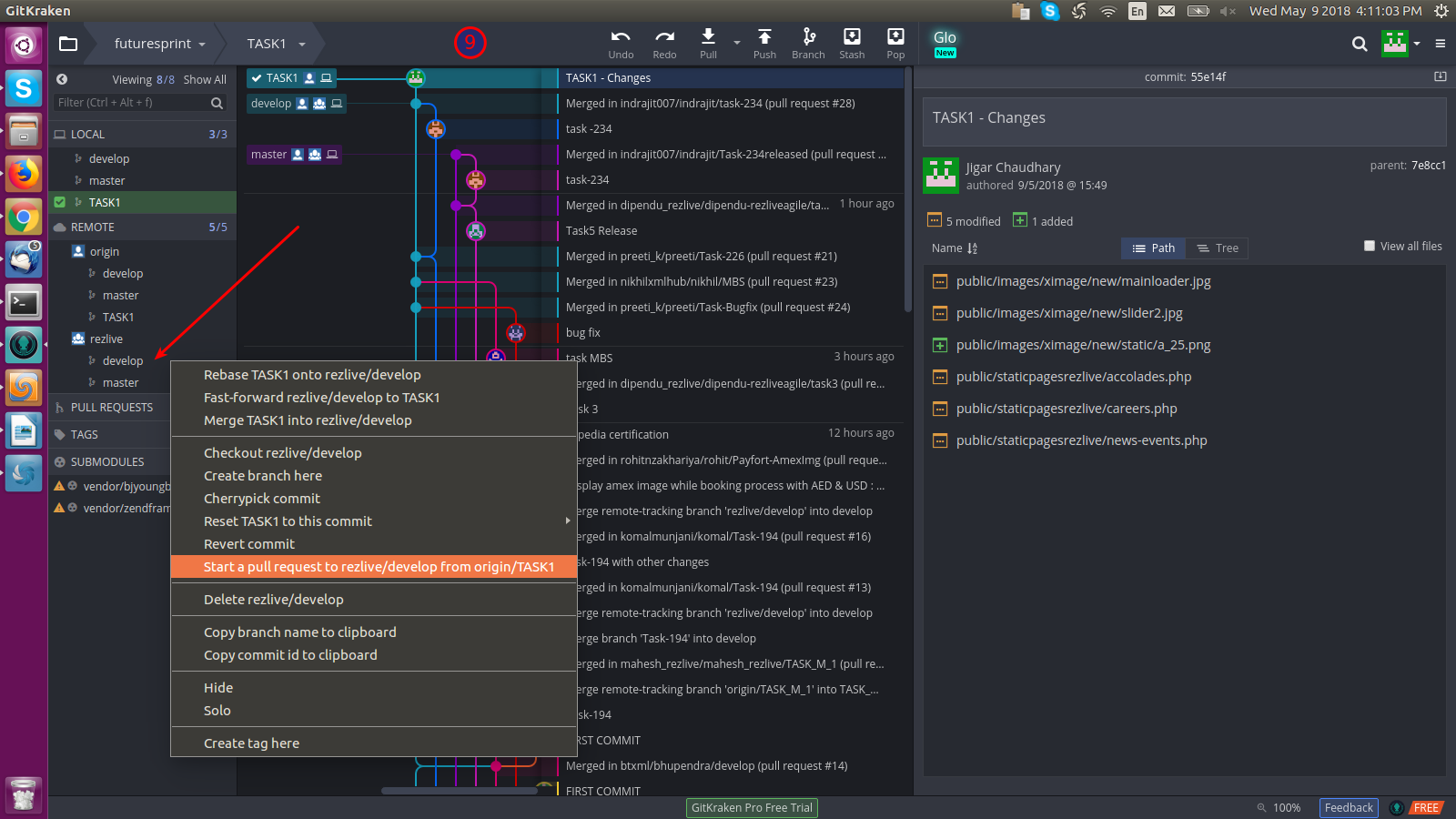
**Git command :**

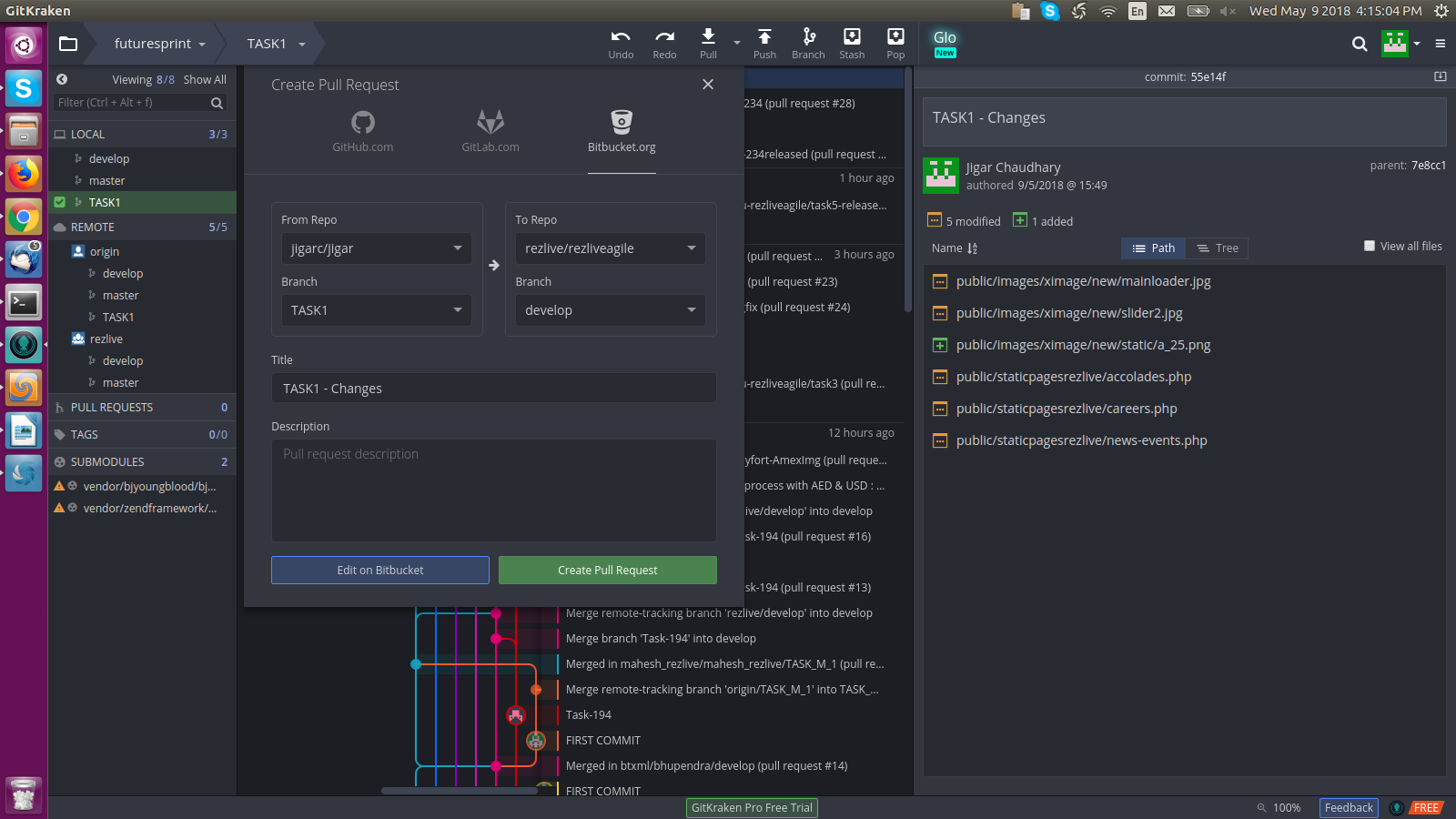
git push origin develop/TASK-276

- Above command will create a link to create a pull request on web interface.

9) Right click on Rezlive-develop and then click on start a pull request to rezlive/develop from origin/task1

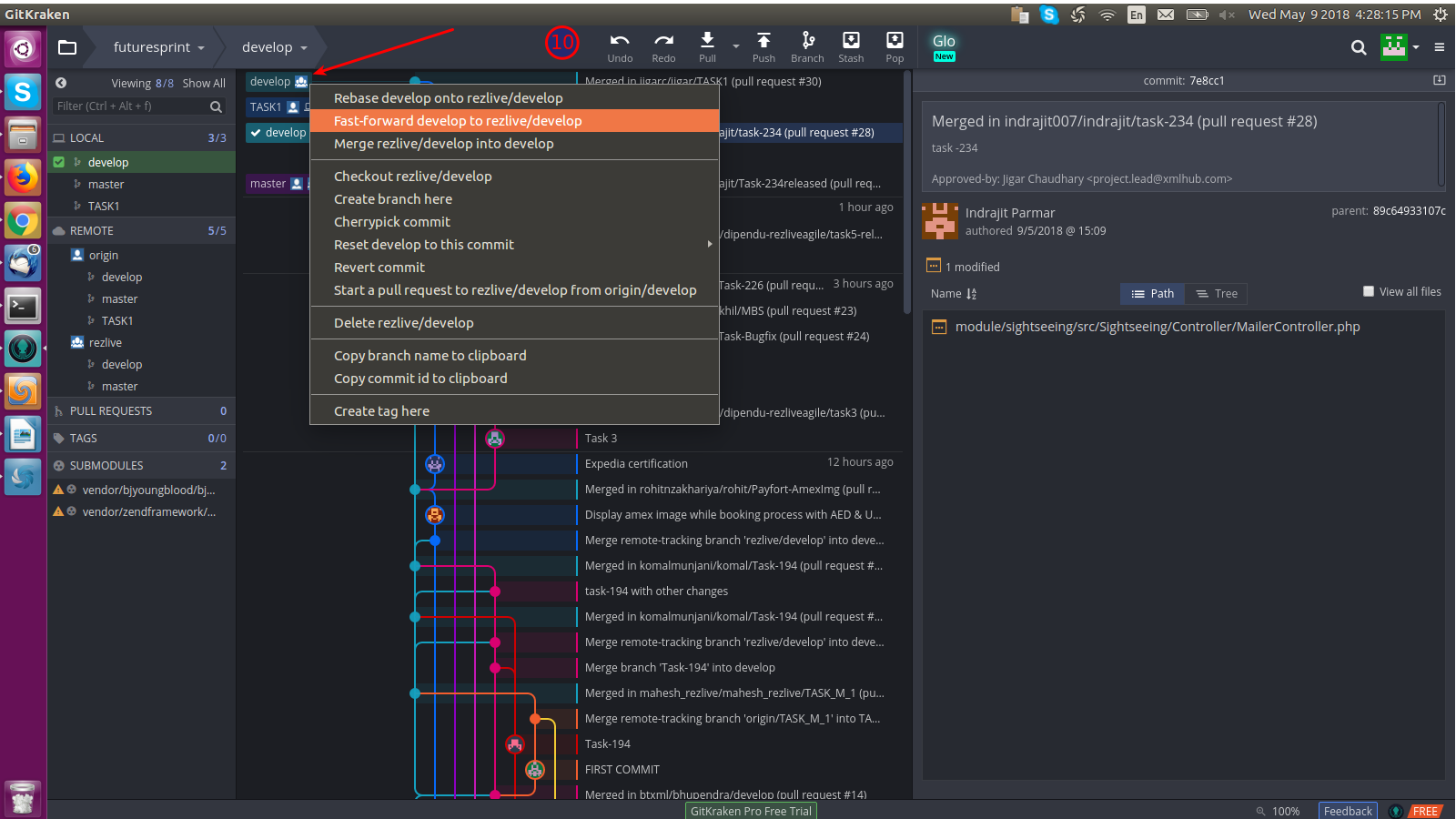
- Then click on create pull request



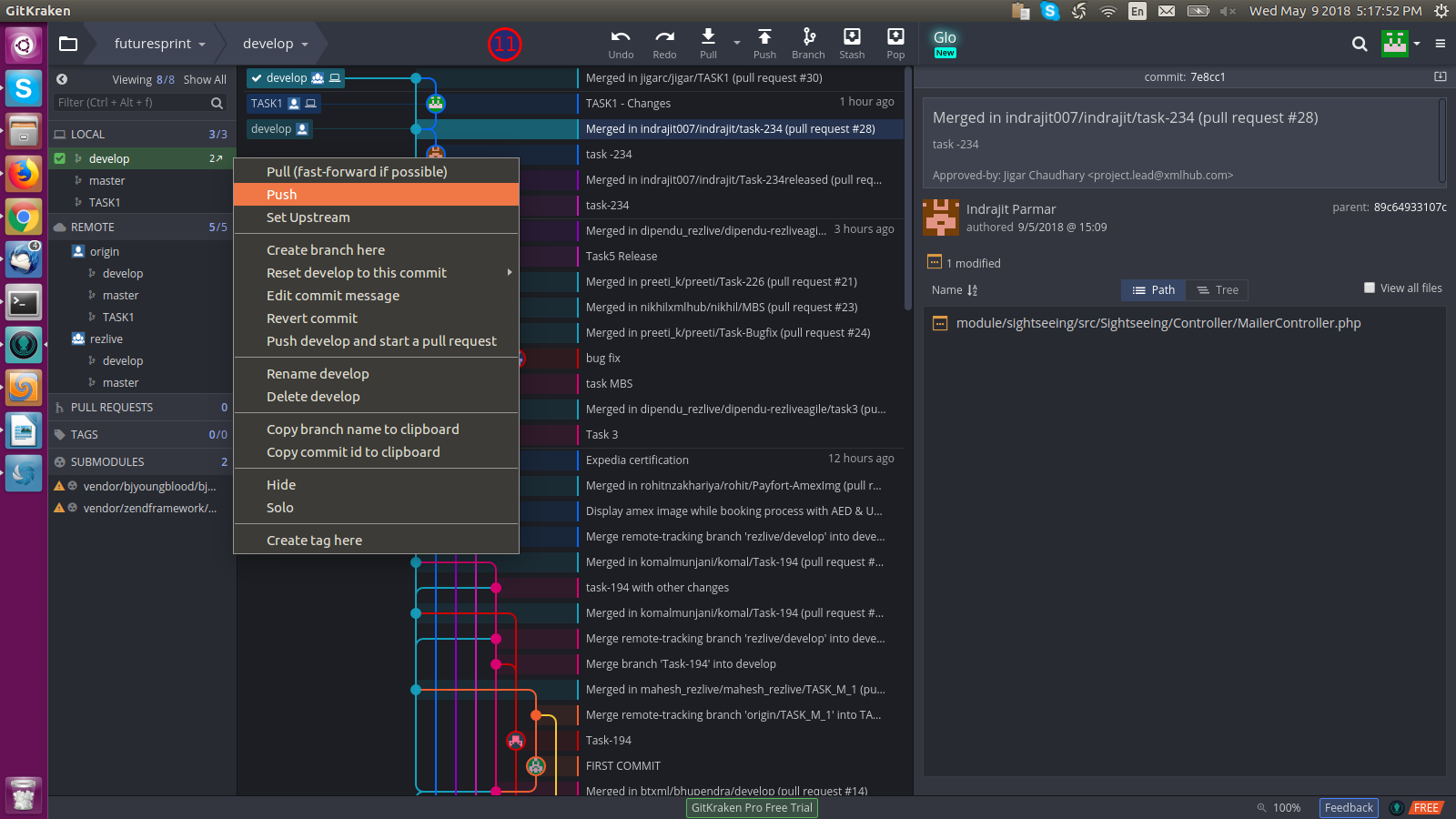


**Note** : After Pull request is approved and merged to rezlive develop, follow next steps.

10) Switch to local **develop** branch and right click on **rezlive-develop as shown in fig.** and then click on **fast-forward develop to rezlive/develop**

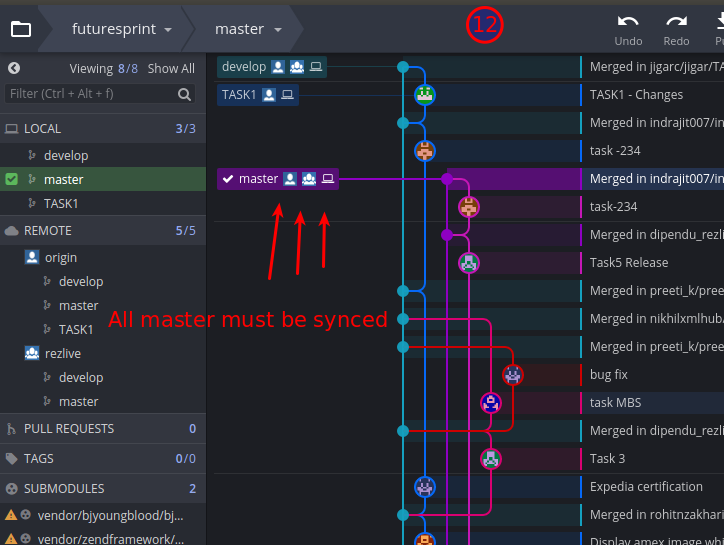


11) Push develop branch to origin : Right click on develop and click on push



**\* After QA approval, steps to move TASK1 to production**

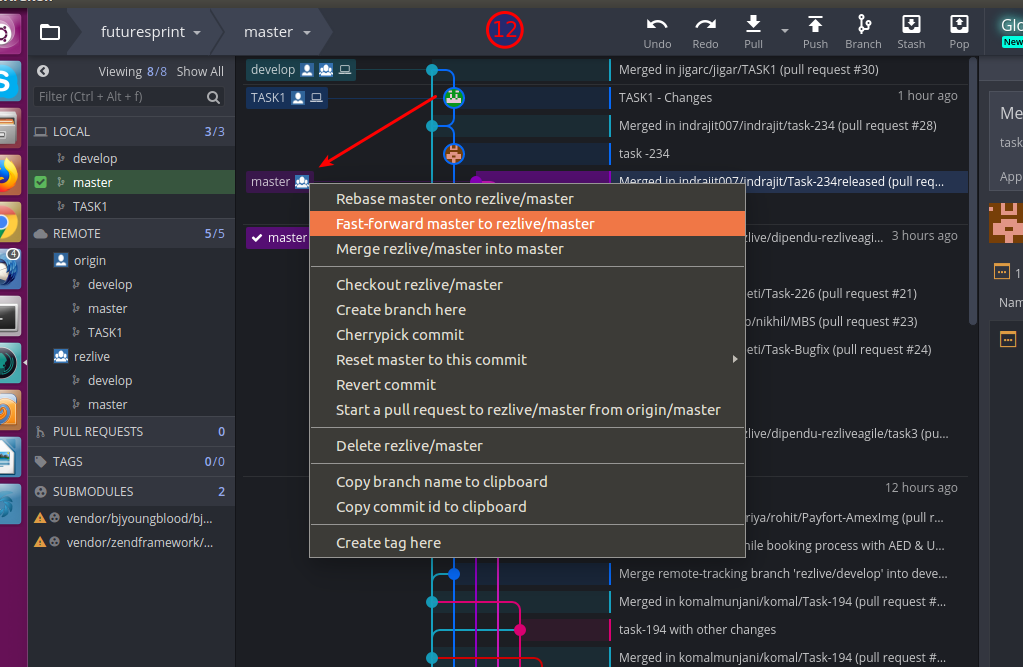
12) Make sure your local master, origin master is synced with rezlive master.



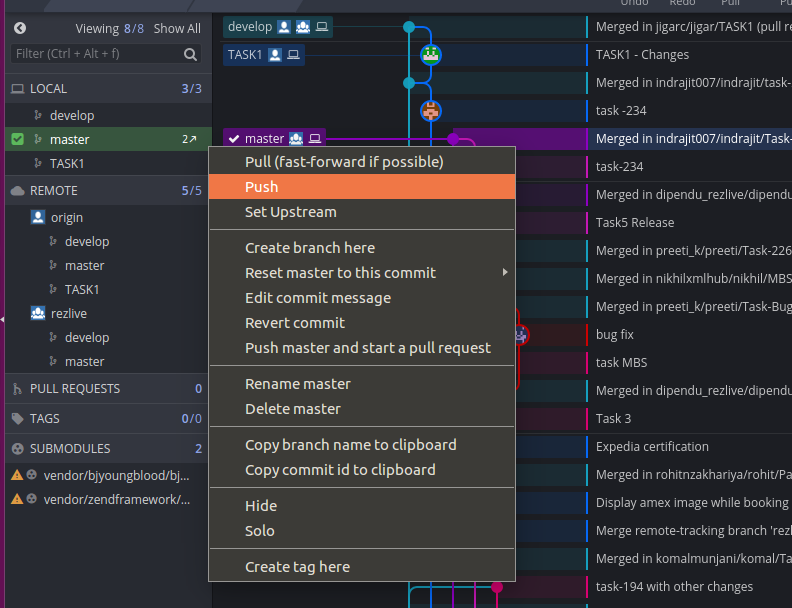
**OR**

If not follow below steps to sync local master and origin master.

- Switch to master branch , and then Right click on rezlive master and click on **fast-forward master to rezlive/master**

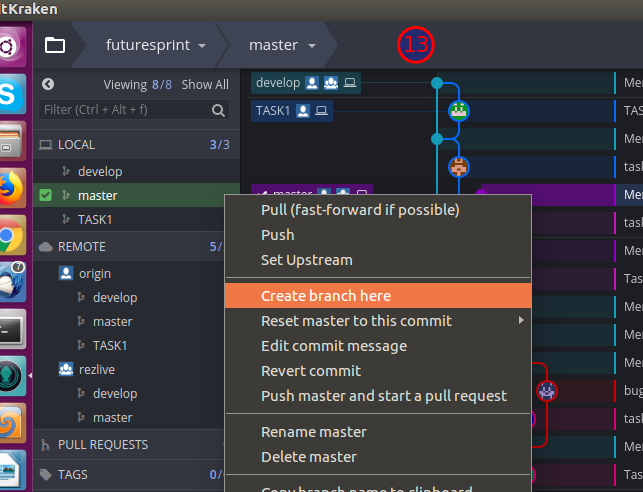


**-** then right click on local master and then click push

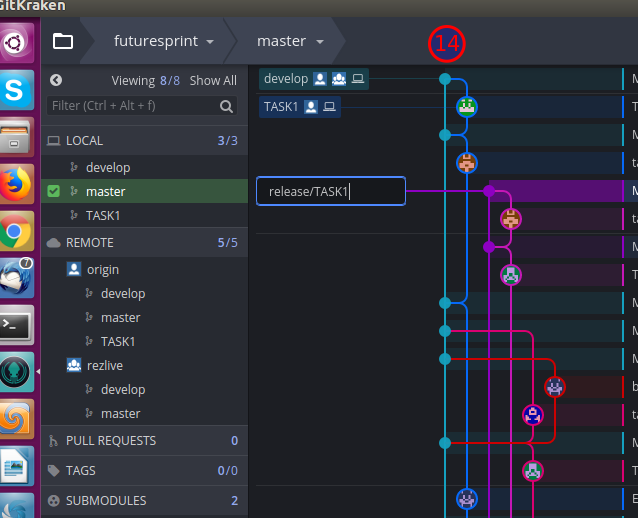


Now master will be synced

13) Switch to master if not done, right click on local master and click on create branch here.

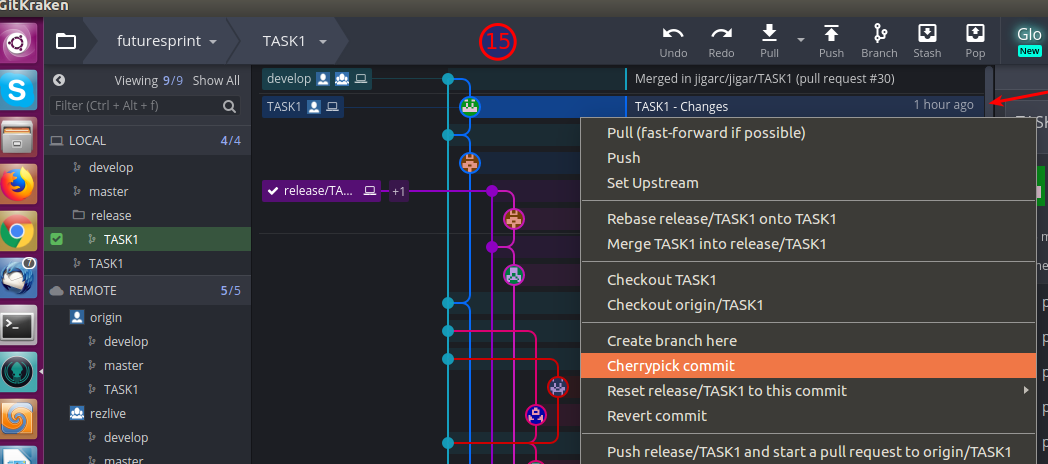


14) Name branch as “release/TASK1”.

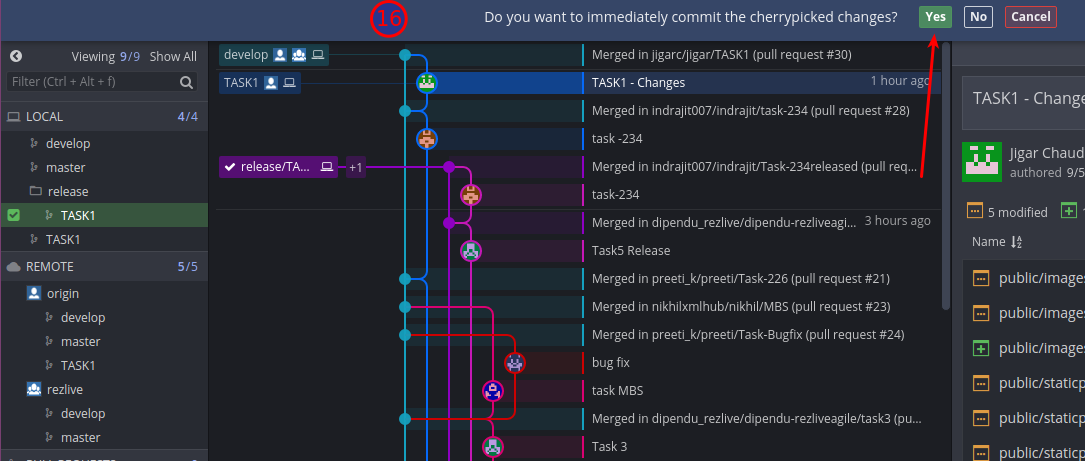


15) Checkout feature/TASK1 branch and then merge only your task specific files and changes using Cherry pick commit.

- Right click on your task commits and then click on cherrypick commit

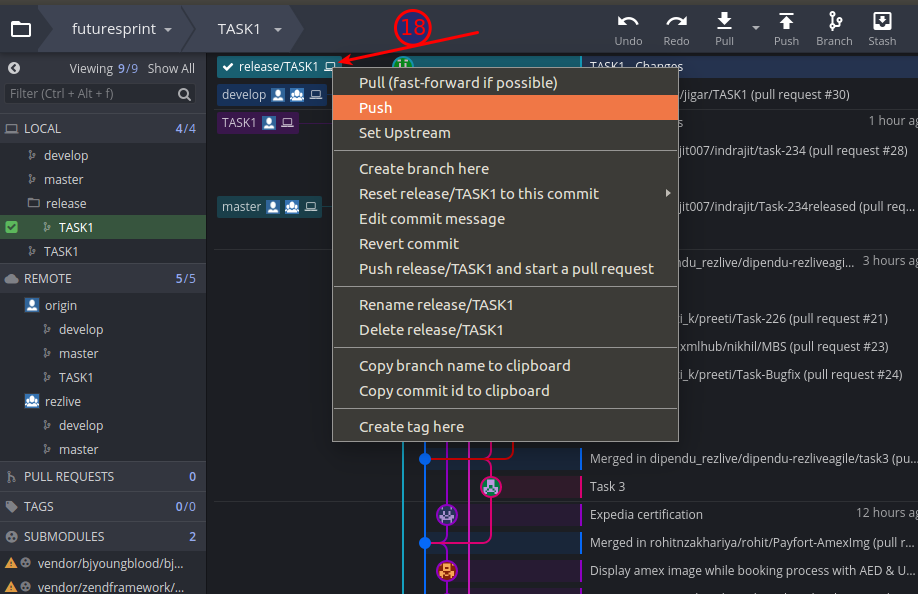


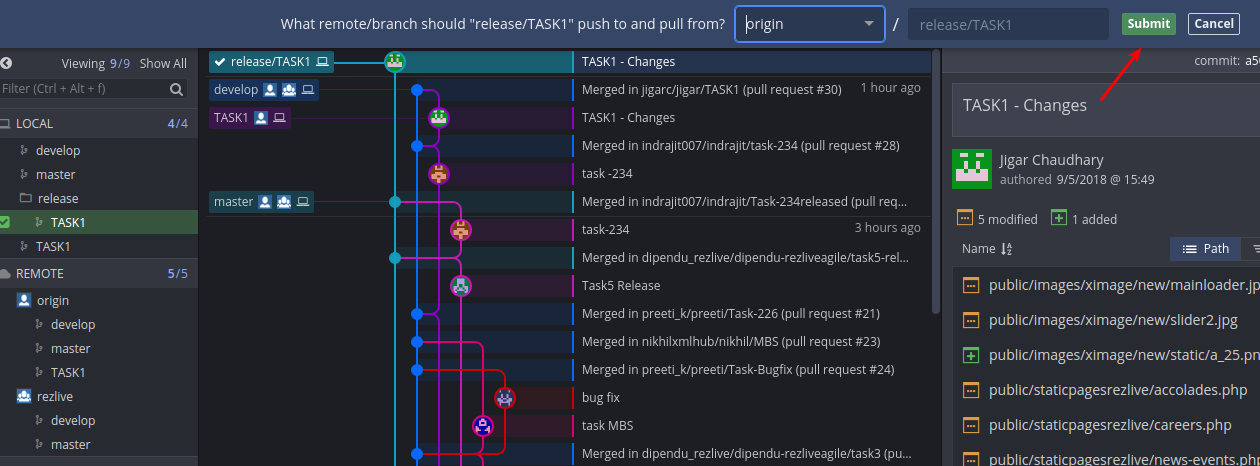
16) Click on Yes



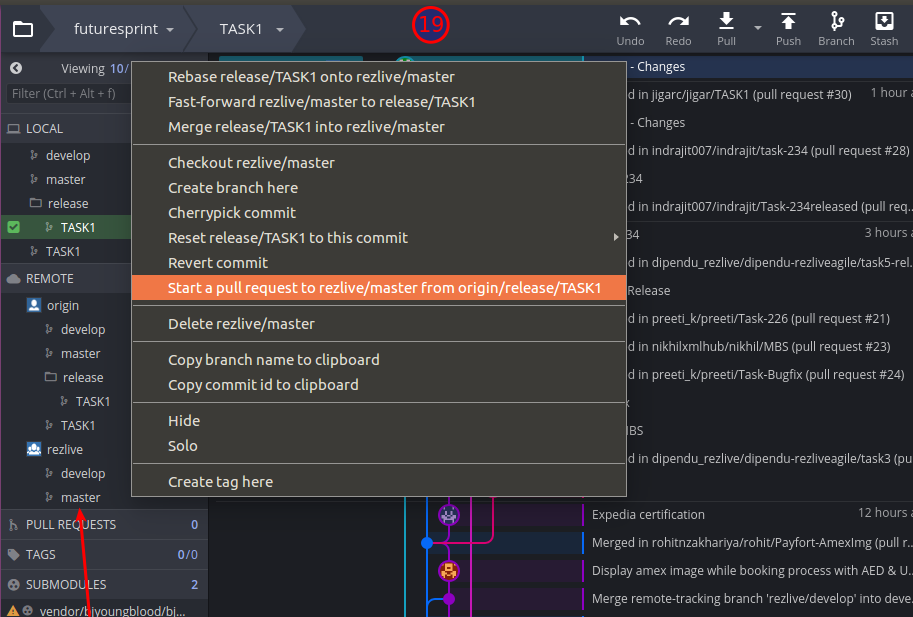
17) Repeat steps 15 and 16 if we have more than one commits

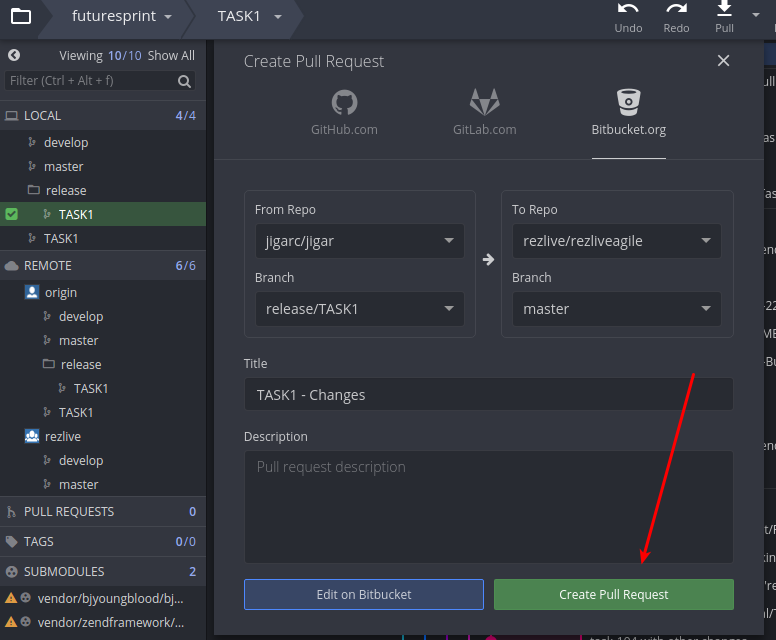
18) Push feature/TASK1 to origin.





19) Create a pull request to rezlive/master from origin/feature/TASK1.





Finally moved to Production.