

# BP-9 - Github issues for Issue Tracking

## Status

**Current state:** *Done*

**Discussion thread:** N/A

**JIRA:** N/A

**Released:** N/A

## Problem

- Community have voted and decided to start using Github issues/pull requests for issue tracking for 3 months.
- however, it needs some Github permissions and some simple/basic rules to follow.

## Proposal


- Github Issue and Pull Requests
  - Always create an issue for a pull request.
  - We can use Issue/Pull Request templates (<https://github.com/blog/2111-issue-and-pull-request-template>) to give user instructions on what should be described in issues and pull requests. Here are two attached templates.
    - [Issue template](#).
    - [Pull Request template](#).
- Issue Labeling
  - Release - We can use "milestone" for managing releases.
  - We can start with minimal labels, iterate and add more if the labels are really needed.
    - Type/Kind: {bug, feature, task}.
    - Component/Area: {protocol, client, bookie, tests, documentation}.
    - Priority: {blocker}. If it is a blocker, mark it a blocker. Otherwise leaves it unmarked.
- Closing the PR
  - Ask INFRA if we have the permission to merge directly in Github.
  - If we have, enable "allow squash merging", disable "allow merge commits" and "allow rebase merging" to make a clean commit history.
  - If we don't have the permission, improving the merge-script to close both issue and PR.
    - Currently the script closes the PR using commit messages (<https://help.github.com/articles/closing-issues-via-commit-messages/>), we need to improve the script to be able to find its corresponding issue, if there is one.
- Work Flow
  - If a change is in-progress but you want an early feedback, you can send out a pull request with "WIP - Issue xxxx".
  - If a change is done and you want to review, you can send out a pull request with "Issue xxxx".
  - If people reviewed a pull request and the change needs to be improved, people should "request changes" through the github review button.
    - The merge script should only merge changes approved by committers and no pending 'request changes'.

## Action

- Requests corresponding permissions from INFRA
  - Permissions for committers to create labels and milestones
  - Permission for merge and close issues/pull requests
- Add Issue and RP template under .github
- Change to merge script to close PR and Issue
- Update the pull request instruction at both website and wiki page

Update for Action

1, opened another ticket for join gitbox

 **INFRA-14394** - Bookkeeper repo want to join gitbox CLOSED

2, opened issue and PR for the template: <https://github.com/apache/bookkeeper/issues/191> <https://github.com/apache/bookkeeper/pull/192>

3, merge script: <https://github.com/apache/bookkeeper/issues/184>, <https://github.com/apache/bookkeeper/pull/194>