

Waiting for Tree to Go Green bot

Note: links to source files are permalinks to master as of this writing; be sure to check the actual checked in code and update the wiki if it has changed.

<https://github.com/flutter/cocoon> has a request handler called [check-for-waiting-pull-requests](#). Sending a GET request will cause it to run a [GraphQL query](#) to get a list of pull requests in `flutter/flutter` and `flutter/engine` that are labeled with `waiting-for-tree-to-go-green`. The label name is configured [here](#) (sorry, googlers only). You can run the [query](#) yourself in the [GraphQL Explorer](#) to see what it returns.

A cron job ([source](#) | [dashboard, googlers only](#)) makes the GET request every 5 minutes.

The core logic is that pull requests [can be merged if](#):

- CI has passed
- at least one approved review has been added (does not need to contain the phrase `LGTM`, but *must* be an actual approval review via the GitHub UI)
- no changes have been requested
- [The last push time is at least 60 minutes ago](#). This ensures that checks have had time to start and reviewers have had time to review.

If these conditions are met, it sends an additional query to actually merge the pull request.

It will remove the label under the [following conditions](#):

- No approved reviews on the pull request
- At least one changes requested review on the pull request

The label can be re-applied after any change request reviews have been dismissed and at least one approval has been granted.