

Technical Discovery

Use Kanban board for the working workflow

Goal

Automatically add an Issue or Pull Request (PR) to a specific board. There may be different boards but it is necessary to map to which board each Issue/PR will go depending on the repository. The triggers are the following:

- The `Core Contributor assignee` label is added to an issue.
- The `Core Contributor assignee` label is added to a PR.

Solution Setup

General setup

To achieve the goal, the following setup is necessary:

- Have a parent repository (Father), this will be [openedx/.github](#) repository.
- 4 GitHub projects (boards) will be created in the openedx configuration.
 - Cc-edx-platform: It will have the edx-platform tasks.
 - Cc-frontend-apps: It will have tasks related to frontend repositories.
 - Cc-core-apps: It will have tasks related to the main applications repositories directly related to edx-platform.
 - Cc-other-utils: It will have other repository tasks that want to be tracked but are not within the above categories.
- The parent repository will have a configuration JSON that specifies which repository belongs to which board. In the same configuration JSON we will specify the URL of each board. ([Example](#))

Add a label setup

To achieve the objective when adding a label ('Core Contributor assignee') it is necessary to follow the following setup:

- In the Father repository, we will have a GitHub Action that adds an Issue/PR to a specific board given the configuration JSON and the name of a repository. ([Example](#)) If the repository does not exist in the configuration, an error will be returned. ([2](#))
- Each repository to be tracked will have a Github Action that points to the Father's Github Action. The action will use the repository name, the item number, and the item type (Issue or PR) as parameters. ([Example](#))

Decisions

1. It has been decided not to use the assignment of a Core Contributor to an issue as a trigger, because a developer can work on an issue outside of the Core Contributor context. By doing so with a label, you have control over whether a task is done in a Core Contributor context or not. In addition, it is not necessary to add an assignee to add a task to a board.
2. If a repository is not found in the board configurations, an error will be returned. We initially considered sending directly the task to cc-other-utils board if this happened, but we realized that doing so would not provide a reliable listing of which repositories are tracked by cc-other-utils.
3. We are not considering using openedx-webhooks for now, as it would require more development and the approach of using Github Actions is faster to implement to be able to get an MVP with which to test.
4. The use of two different labels, one for Issues and another for PRs, was discarded because it makes the process much more complicated and a common label was found ([ref](#))