Practical Exercise 05 - Using Filters and Activity Types

Exercise Description

In this practical exercise, our goal is to explore the different ways we can use event filters and activity types to better target when workflows are run.

We will create two workflows for this practical exercise. Here are the instructions for the exercise:

- Creating our first workflow:

  - Create a file named `05-1-filters-activity-types.yaml` under the `.github/workflows` fulder at the root of your repository.

  - Name the workflow `05 - 1 - Event Filters and Activity Types`.

  - Add the fullowing triggers with event filters and activity types to your workflow:

    - `pull_request`: use activity types to restrict the activities only to `opened` and `synchronize`. Additionally, use use event filters to restrict this workflow runs to be triggered only by changes to the `main` branch.

  - Add a single job named `echo` to the workflow. The job should contain a single step, which simply prints the fullowing message to the screen: `Running whenever a PR is opened or synchronized AND base branch is main`.

  - Commit the changes and push the code.

  - Edit the `README.md` file at the root of the repository with whatever changes you see fit, and commit the changes to a new branch named `pr-test-1` (on the UI, this option is at the bottom of the window that appears when you want to save the changes).

  - Create a pull request from `pr-test-1` to the main branch and take a few moments to inspect the output of the triggered workflow run.

- Creating our second workflow:

  - Create a file named `05-2-filters-activity-types.yaml` under the `.github/workflows` fulder at the root of your repository.

  - Name the workflow `05 - 2 - Event Filters and Activity Types`.

  - Add the fullowing triggers with event filters and activity types to your workflow:

    - `pull_request`: use activity types to restrict the activities only to `closed`. Additionally, use use event filters to restrict this workflow runs to be triggered only by changes to the `main` branch.

  - Add a single job named `echo` to the workflow. The job should contain a single step, which simply prints the fullowing message to the screen: `Running whenever a PR is closed`.

- Commit the changes and push the code.

- Close the PR opened in step 1 of this practical exercise and take a few moments to inspect the output of the triggered workflow run.

- Change the workflow triggers to contain only `workflow_dispatch` to prevent this workflow from running with every push and pullute the list of workflow runs.