# Contributing

:wave: Hi there!

We're thrilled that you'd like to contribute to this project. Your help is essential for keeping it great.

## Submitting a pull request

[Pull Requests][pulls] are used for adding new playbooks, roles, and documents to the repository, or editing the existing ones.

\*\*With write access\*\*

1. Clone the repository (only if you have write access)

1. Create a new branch: `git checkout -b my-branch-name`

1. Make your change

1. Push and [submit a pull request][pr]

1. Pat yourself on the back and wait for your pull request to be reviewed and merged.

\*\*Without write access\*\*

1. [Fork][fork] and clone the repository

1. Create a new branch: `git checkout -b my-branch-name`

1. Make your change

1. Push to your fork and [submit a pull request][pr]

1. Pat your self on the back and wait for your pull request to be reviewed and merged.

Here are a few things you can do that will increase the likelihood of your pull request being accepted:

- Keep your change as focused as possible. If there are multiple changes you would like to make that are not dependent upon each other, consider submitting them as separate pull requests.

- Write [good commit messages](http://tbaggery.com/2008/04/19/a-note-about-git-commit-messages.html).

Draft pull requests are also welcome to get feedback early on, or if there is something blocking you.

- Create a branch with a name that identifies the user and nature of the changes (similar to `user/branch-purpose`)

- Open a pull request

### CI/CT/CD

The \*\*Super-Linter\*\* has \_CI/CT/CD\_ configured utilizing \*\*GitHub\*\* Actions.

- When a branch is created and code is pushed, a \*\*GitHub\*\* Action is triggered for building the new \*\*Docker\*\* container with the new codebase

- The \*\*Docker\*\* container is then ran against the \_test cases\_ to validate all code sanity

- `.automation/test` contains all test cases for each language that should be validated

- These \*\*GitHub\*\* Actions utilize the Checks API and Protected Branches to help follow the SDLC

- When the Pull Request is merged to master, the \*\*Super-Linter\*\* \*\*Docker\*\* container is then updated and deployed with the new codebase

- \*\*Note:\*\* The branch's \*\*Docker\*\* container is also removed from \*\*DockerHub\*\* to cleanup after itself

## Releasing

If you are the current maintainer of this action:

1. If a major version number change: Update `README.md` and the wiki to reflect new version number in the example workflow file sections

2. Draft [Releases](https://help.github.com/en/github/administering-a-repository/managing-releases-in-a-repository) are created automatically. They just need to be checked over for accuracy before making it official.

3. Ensure you check the box for [publishing to the marketplace](https://help.github.com/en/actions/creating-actions/publishing-actions-in-github-marketplace#publishing-an-action)

4. A GitHub Action will Publish the Docker image to GitHub Package Registry once a Release is created

5. A GitHub Action will Publish the Docker image to Docker Hub once a Release is created

6. Look for approval from [CODEOWNERS](https://help.github.com/en/github/creating-cloning-and-archiving-repositories/about-code-owners)

## Resources

- [How to Contribute to Open Source](https://opensource.guide/how-to-contribute/)

- [Using Pull Requests](https://help.github.com/articles/about-pull-requests/)

- [GitHub Help](https://help.github.com)

[pulls]: https://github.com/github/super-linter/pulls

[pr]: https://github.com/github/super-linter/compare

[fork]: https://github.com/github/super-linter/fork