



Continuous integration with CircleCI

A quick reference guide to complete the steps in the course.

<https://lab.github.com/courses/continuous-integration-with-circleci/>

1. Enable continuous integration

Enable CircleCI and run your first build

- 1.1. Navigate to CircleCI's sign in page in a separate tab.
- 1.2. Sign in with GitHub and set up a build on CircleCI for this repository. You can ignore the prompts to add a `config.yml` file, as i've already done this for you.
- 1.3. Under the **ADD PROJECTS** option in the side-bar menu, click the **Set up Project** button next to the continuous-integration project.
- 1.4. Click the **Start building** button on step 5.

2. Introduce the configuration file

- 2.1. Create a new pull request using `base: master` and `compare: initial-circle-config`.

3. Specify the Docker image

Select a specific configuration

- 3.1. In this pull request, replace the placeholder text with `githubtraining/ci-custom:latest`. **You can do this by editing the file from the Files changed tab, or by scrolling down and accepting the suggested change.**

4. Merge the configuration

Share your configuration with the team by merging it

- 4.1. Click **Merge pull request**.
- 4.2. Delete your branch.

5. Add validation

Add some automated validation to your project

- 5.1. In this pull request, add the following code to the placeholder in your

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- .circle/config.yml file. **You can do this by editing the file from the Files changed tab, or by scrolling down and accepting the suggested change.**
- 5.2. Commit your change.
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6. Protect the master branch

Protect a branch based on the CI build status

- 6.1. Navigate to the **Branches section of the Settings** for this repository.
 - 6.2. Under **Branch protection rules**, click the **Edit** button next to `master`.
 - 6.3. Select **Require status checks to pass before merging**.
 - 6.4. Uncheck **Require branches to be up-to-date before merging**.
 - 6.5. Select the `ci/circleci:build` option.
 - 6.6. Return to your pull request and **Approve the pull request**.
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7. Fix the broken build

Fix the build in your codebase

- 7.1. Apply the suggested change.
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8. Merge code with a successful build

Merge the pull request

- 8.1. Click **Merge pull request**, and delete your branch.
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9. Add an HTMLProofer unit test

Check for broken links using CircleCI

- 9.1. In this pull request, replace the `REPLACE-ME-WITH-SCRIPT` placeholder with `bundle exec htmlproofer ./_site --check-html`. **You can do this by editing the file from the Files changed tab, or by scrolling down and accepting the suggested change.**
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10. Fix the broken link

- 10.1. In this pull request, change `https://help.github.com/setupgithub` to
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<https://help.github.com/articles/set-up-git/>. You can do this by editing the file from the **Files changed** tab, or by scrolling down and accepting the suggested change.

11. Merge the unit test

Add the testlinks unit test to master

- 11.1. Review and Approve the pull request.
 - 11.2. Click **Merge pull request**, and delete your branch.
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12. Deploy

Enable GitHub pages to deploy

- 12.1. Navigate to the **Settings** tab.
 - 12.2. Under GitHub pages, set the source to `master branch /docs folder` and click **Save**.
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