



Continuous integration with CircleCI

 The GitHub Training Team

Learn how to automatically test changes made to your project, freeing you up to write more amazing code.

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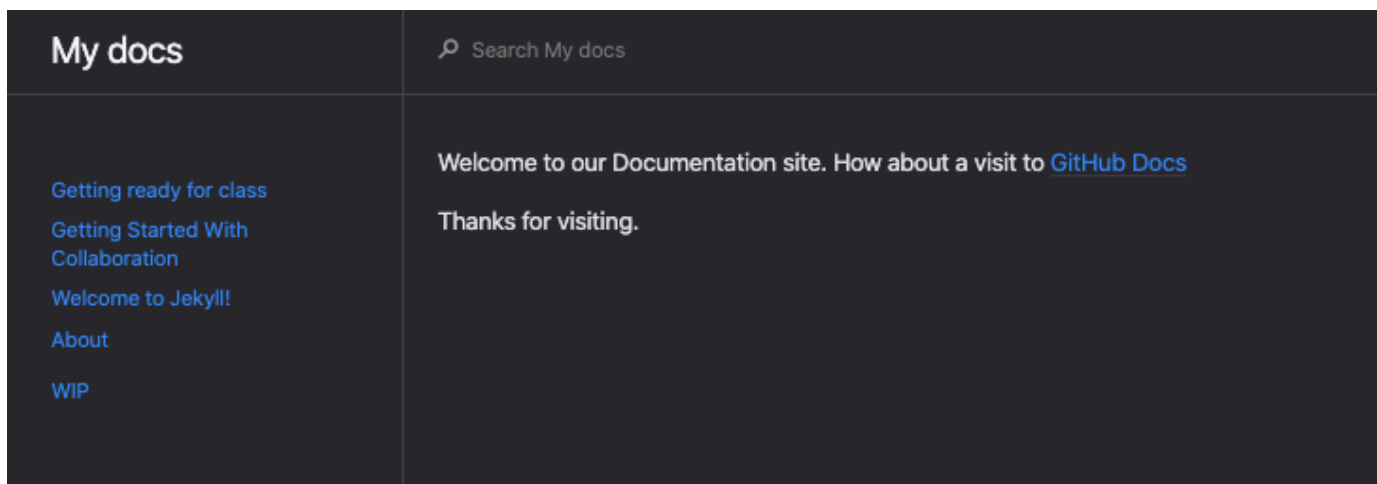
In modern software development, developers integrate code into a shared repository several times a day. With such frequent code changes, how do you ensure your code is bug free? Continuous Integration (CI) is an approach to software development in which tests run automatically anytime code is changed, saving you time and giving your team improved reliability. Continuous Deployment or Delivery (CD) refers to whatever happens after these tests run. If they pass, your new code can be automatically deployed to production, with the help of a CI/CD platform like CircleCI.

What you'll learn

- Define continuous deployment
- Identify how projects use CI
- Set up continuous integration for one of your projects
- Protect branches based on the result of a build from continuous integration
- Customize builds

- Add tests for your project

What you'll build



- You'll build a GitHub Pages site hosting documentation while using circle-ci to check the builds, run unit tests, and more.

Prerequisites

Before you take this course, you may want to go through the [Introduction to GitHub](#) course on Learning Lab.

Projects used

This makes use of the following open source projects. Consider exploring these repos and maybe even making contributions!

- [Jekyll](#): a simple, blog-aware, static site generator.

Audience

Developers, GitHub users, users new to Git, students, managers, teams

► Steps to complete this course 12

Tags

- Continuous Integration

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Average time to complete

88 minutes

Free

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March 2, 2020

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Learn new skills by completing fun, realistic projects in your very own GitHub repository.

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