

# Continuous integration with Travis CI

 The GitHub Training Team

Learn about the principles of continuous integration with GitHub and Travis CI.

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Once you've written code on GitHub, how do you make sure it's bug free?  
Continuous integration (CI) is a requirement in modern software development.  
Adding automated tests and controls to your pipeline saves you time and gives  
your team improved reliability.

## What you'll learn

In this course we'll answer common questions, like:

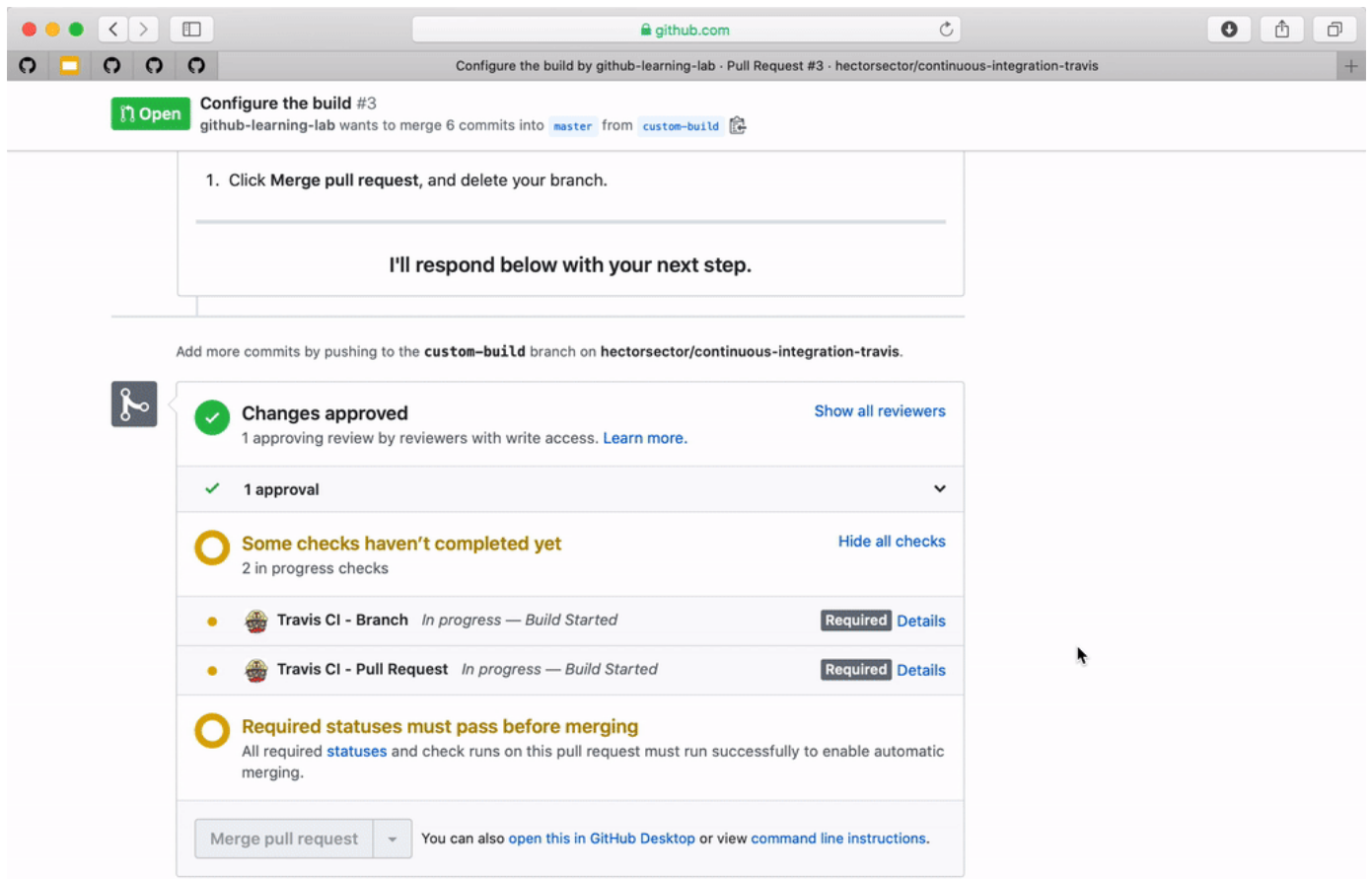
- How do I configure Travis CI to work with GitHub?
- How can I protect my branches so CI tests pass before merging is allowed?
- What are build statuses?
- How do I create a test?

After completing this course, you will be able to:

- Identify when a project is using continuous integration
- 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
- Define continuous delivery
- Define continuous deployment

## What you'll build



- Completed [source repository](#)
- Sample [build](#) from the working project

## Prerequisites

We recommend you first complete the following courses:

- [Reviewing pull requests](#) to learn how to work within GitHub pull requests and how to submit approvals.

## Projects used

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

- [jekyll/jekyll](#): Jekyll is a blog-aware static site generator in Ruby
- [gjtorkian/html-proofer](#): Test your rendered HTML files to make sure they're accurate.

## Audience

Developers, DevOps engineers, IT Operations, teams

► Steps to complete this course 11

### Tags

- continuous integration (CI)
- test-driven development (TDD)
- YAML
- protected branches
- commit status

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### Average time to complete

79 minutes

### Free

All public courses on Learning Lab are free.

Get help

[Post on the GitHub Community Forum](#)

### Latest release

March 3, 2020

### Users who took this course also took

#### Reviewing pull requests

by [The GitHub Training Team](#)

See how collaboration works on GitHub and start building great things, together.

#### Securing your workflows

by [The GitHub Training Team](#)

Learn security best practices and keep your project's contributions—and contributors—safe.

#### Con

by [The GitHub Training Team](#)

This course covers the basics of GitHub Actions, the workflow automation tool you need to get started with GitHub Actions.



## What is GitHub Learning Lab?

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

Ready to start learning?

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