Automatically Testing GitHub Pull Requests with Continuous Integration Software (Travis)

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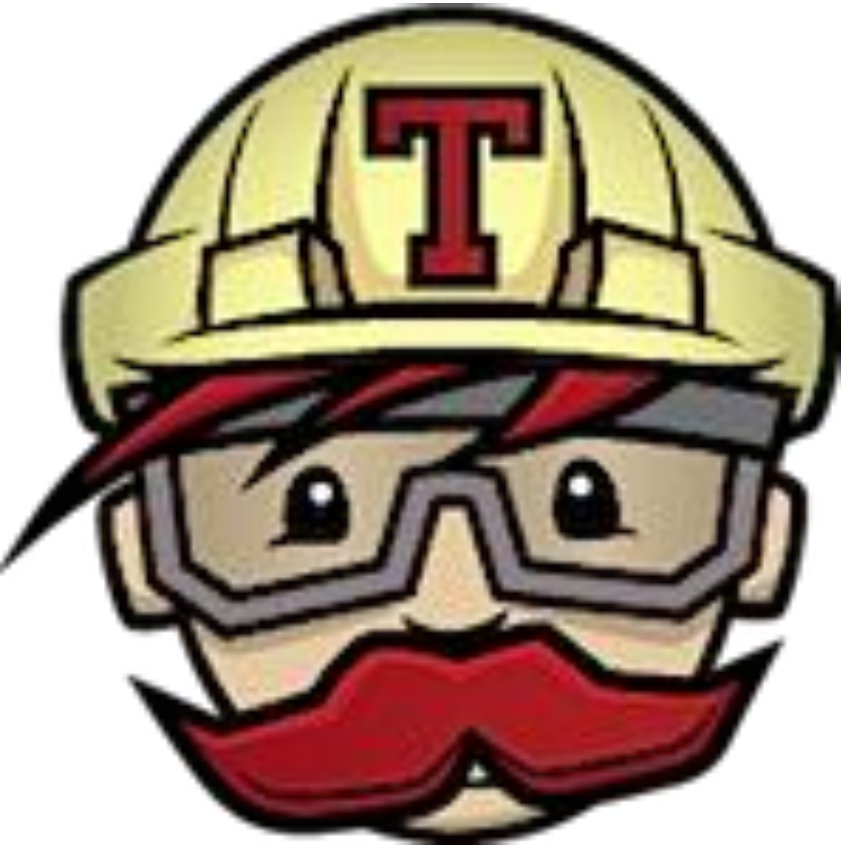
What is Travis CI?



Continuous *(happening all the time, never stopping)* integration *(whole, all pieces functioning together)* software

Popular with independent developers and large-scale business teams

Remotely executes build, tests, automatically based on certain criteria (usually, a Git push)

Is Continuous Integration right for your project?

Testing / verification does not rest on single person

Able to execute complex test suite without errors

Reveals problems with app that may work fine on local machine

Easily test multiple Node versions

Travis CI used by other GitHub Integrations (Heroku, etc.)

Free coverage of public repositories

A Look at the App

Basic message board app

Integrated with JSHint via Gulp

Uses Express backend with Node

Getting the App Ready for Travis

Apps integrated with Travis require .travis.yml file

Contains important info regarding environment, Node.js version

Setup of .yml file will vary from platform to platform

Integrating A Travis account with GitHub

One touch integration - Connect with GitHub button

CI will happen automatically to added courses

Adding Continuous Integration Status

"Build Status" can appear on project's GitHub page

Alert lead/senior developers to breaking changes

Inspire confidence to those interested in using the resource

Integration can be skipped where desired

Integrating Travis CI - Review

- Can easily integrate with any GitHub project
- No cost for public repositories
- Automatically runs tests; tests against multiple Node versions
- Useful for big teams
- Build status can be visible on GitHub repo