

## PART 1 -

### CONTINUOUS INTEGRATION-

TeamCity is a CI/CD tool that has many useful features for better integration. It has a feature to inform the users of test that are unstable. Referred to as Flaky tests. It provides information on the success rate of flaky test as well as the total number of failures. TeamCity also provides a tool to automatically assign investigations to team members who most likely broke said build as they are more aware of their code and may have an easier time fixing the bugs.

Once installed TeamCity you can link to repo and will auto-detect the build steps recommended for your project. On the other hand, TeamCity's prices are not cheap and scale based on the number of agents. That price can quickly get out of hand.

### REAL TIME ERROR MONITORING -

travis Ci - Travis Ci has a feature where it can email those on the project and keep them up to date with the build status. It can update us when something is broken as well as when it gets fixed. I believe that feature would be beneficial to maintain a higher level of communication among the DevOps team.

Travis Ci is quite simple to use, Once linked to the team's shared repo you simply need a yml file and with an authorization key from Heroku we can automatically update the deployed branch.

As well as having useful features for our team, Travis Ci is one of the more recognized platforms for CI/CD because of the variety of languages it supports, and the multiple pricing plans it has can cater to a variety of team sizes.