

CI and Monitoring Tool Research

CI Tool: Travis CI

Travis CI is an opensource tool for continuous integration. Some prominent features it has include integration with apps like slack and email to notify you and your team of changes, It allows you to test pull requests before you add them to your main repo, and it has a lot of databases and services pre-installed to make using them easier.

The process to get started using Travis CI is straight forward. The tutorial they have to help you set it up is pretty informative and easy to read. They have a large number of instructions in the documentation to help you set up whatever project you want. To get started, You essentially need to add your GitHub account, add your repo to the project, and then add a .travis.yml file to the project with the necessary info in it. Here's a link to the tutorial: <https://docs.travis-ci.com/user/tutorial/>

Tavis CI has been around since 2011 when the company was founded. It appears to be a fairly common tool to use, since I found several lists of top CI tools that included it in the top five. Their GitHub appears to be pretty active, with over 3,600 commits. The most recent commit to the main branch was in June, 2020, with the majority of commits happening from 2011 – 2013. Some notable companies that use it include Heroku, Moz, and BitTorrent.

Monitoring Tool: Raygun

Raygun is a tool that gives you actionable insights into errors and crashes that impact your users. Some of its prominent features are showing the exact line of code that caused the error, group errors by the affected users, and seamless APM and real user monitoring.

The instructions for getting started on Raygun are ok. They mostly just say download the app and follow the instructions there to get started, which isn't super convenient for someone learning about the service. Beyond setting up the tool, the documentation is solid for telling you how to use the different features. The process for getting started includes downloading the app, connecting your GitHub and repo through it, generating traffic for the site, and then check back with Raygun to see the results. Here's a link to their docs: <https://raygun.com/documentation/product-guides/apm/getting-started/>

Raygun was founded in 2004. They are quite active on GitHub, as they have been making uploads as recently as two days ago from me writing this. They have quite a few repos for different aspects of their service. They claim that they have helped over a hundred thousand developers, so it appears that they have a decent market share. Some major companies that use their service include Microsoft, HBO, and Coca-Cola.