

STEP 1: Research Tools

Concourse: A Tool for Continuous Integration

In their own words Concourse is an open-source continuous thing-doer. Built on the simple mechanics of resources, tasks, and jobs, Concourse presents a general approach to automation that makes it great for CI/CD.

Useful Links

- <https://concourse-ci.org/>
- <https://concourse-ci.org/docs.html>
- <https://concourse-ci.org/quick-start.html>
- <https://concourse-ci.org/tutorial-hello-world.html>
- <https://github.com/concourse/concourse>

Key Features

- Configure as code
- Visualize to verify
- CI under source control
- Reproducible, debuggable builds
- Rapid local iteration
- Build your own integrations

Getting started

- The setup for Concourse is expertly put together. A short [quick start](#) guide is all that is needed to have concourse up and running in minutes. Besides the install quickstart, they have examples like [hello world](#) to really help a first time user from start to finish. The process is extremely well [documented](#).

Usage Statistics

- 38 companies reportedly use Concourse in their tech stacks, including DigitalOcean, HelloFresh.com, and Starbucks
- Founded in 2014
- Over 25,000 commits on [github](#)

Sentry: A Tool for Error Monitoring

Sentry is one of the biggest players in the error monitoring market. As a well-established error monitoring solution, they've built a stable product with a variety of features and functionality. Developers use Sentry to see stack traces, user context, release data, and preceding events.

Useful Links

- <https://sentry.io/welcome/>
- <https://docs.sentry.io/platforms/node/>
- <https://docs.sentry.io/>
- <https://github.com/getsentry/sentry>

Key Features

- Custom queries

- Dashboards
- Cross-project issues
- Distributed tracing
- Stack traces
- Context
- Breadcrumbs
- Releases
- Issue owners

Getting Started

- Sentry makes it very easy to get started. A good example of how easy it is can be seen at the [node.js get started](#) link. You will be up and running very quickly. The added images and step by step instructions make it easy for beginners or veterans alike. All you have to do is choose the [platform](#) you want to work in and you will be shown very detailed documentation.

Supported Languages

- Sentry has an expansive list of compatible languages that include
 - JavaScript
 - Python
 - Ruby
 - Node
 - GO
 - iOS
 - Android
 - Click to see the [full list](#)

Usage Statistics

- 3191 companies reportedly use Sentry in their tech stacks, including Uber, Airbnb, and Instagram
- Founded in 2015
- Over 38,000 commits on github