Paper name

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Drone CI

What is Drone CI?

Drone is a continuous integration and delivery **(CI/CD)** platform that provides a way to automate the building, testing, and deployment of software. It is designed to be lightweight, easy to use, and highly scalable, making it a popular choice for teams looking to streamline their software development and delivery processes. The by far most popular tool operating in that field is called **Jenkins**.

With Drone, developers can define their CI/CD pipelines in a configuration file called .drone.yml that is stored in their code repository. This file specifies the steps that should be taken to build, test, and deploy the code, as well as any dependencies or resources required. When a change is made to the code repository, Drone automatically triggers the pipeline to run, performing the specified steps in order.

Drone offers a wide range of features and integrations, including support for multiple programming languages and platforms, automatic dependency management, and integration with popular version control systems and cloud platforms. It also provides a web-based user interface for monitoring and managing pipelines, as well as APIs for integrating with other tools and systems including GitHub and Co.

When should you use Drone CI?

Use Cases

- Your products need to be tested, built and deployed onto a Server
- You do not want to do the deployment process by hand **(extremely important when your production software is updated frequently)**
- You are using a microservices architecture and want to automate the deployment of individual services.
- You want a lightweight and easy-to-use CI/CD platform that can scale to meet the needs of your team.

Overall, Drone can be a good choice if you are looking for a flexible and feature-rich CI/CD platform that is well-suited to a variety of use cases. However, it may not be the best fit for every team or project, and it is worth considering the specific needs and requirements of your team before deciding on a CI/CD solution.

Requirements

Comparison

Technology	Jenkins	Drone
2	3	4
3	5	6

Setup

Usage - Runtime

Extensions