

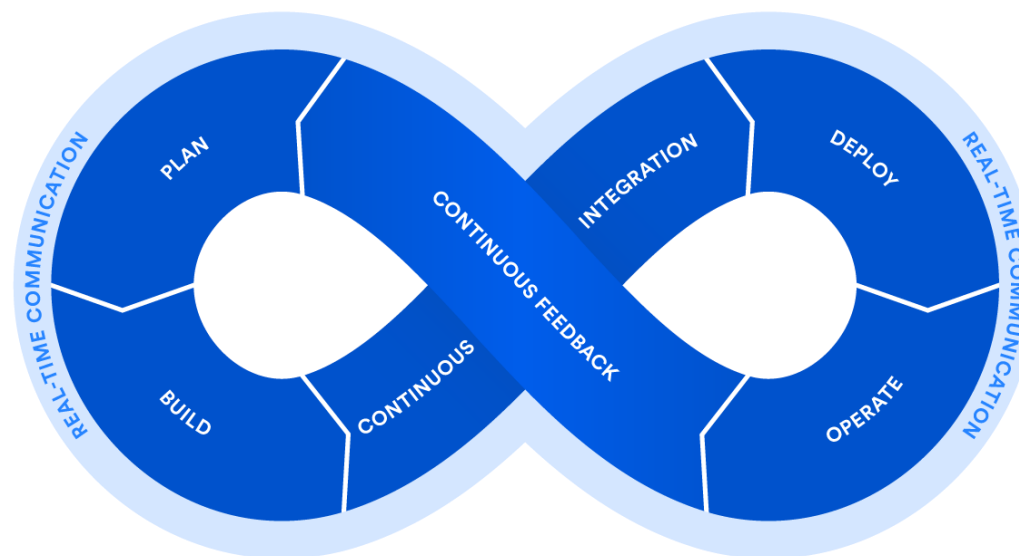


DEVOPS **RAMPUP**

[HTTPS://GITHUB.COM/DFONSECA97/ELASTICSEARCH-CICD](https://github.com/dfonseca97/elasticsearch-cicd)

DIEGO FONSECA

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Source: Atlassian

AGENDA

- **THE PROJECT**
- **INTEGRATION TEST**
- **DOCKER IMAGES**
- **JENKINS CONFIGURATION**
- **DOCKER-COMPOSE**
- **CODE RECOMMENDATIONS**

THE PROJECT

- **SPRING APPLICATION**
- **ELASTIC SEARCH SERVER**



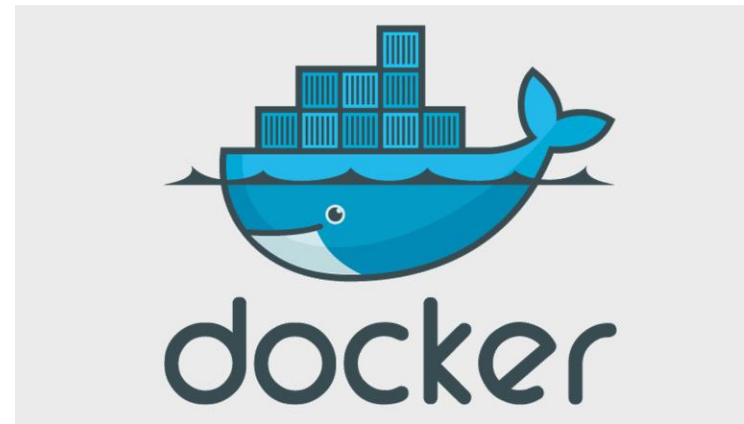
INTEGRATION TEST

- SHELL SCRIPT
- TEST DESIGN
- GRADLE TASK



DOCKER IMAGES

- **SPRING APP**
- **TESTING IMAGE**
- **CI TOOL**



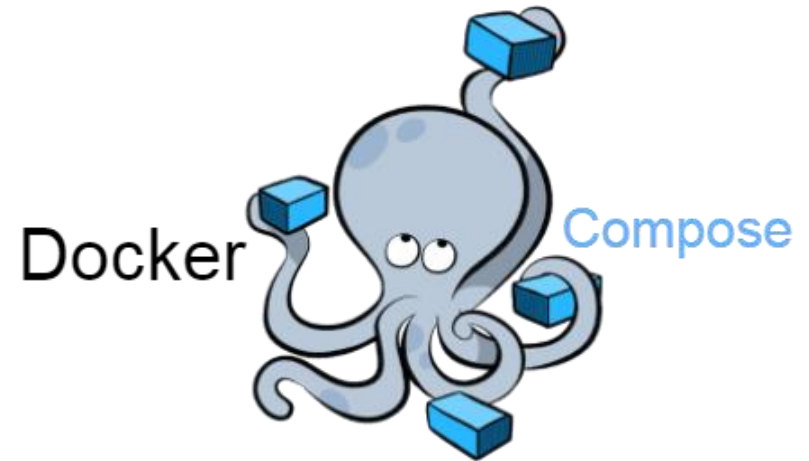
JENKINS CONFIGURATION

- AUTOMATIC SETUP
- JOB DSL
- RUNNING SEED JOB



DOCKER-COMPOSE

- **CONNECTING ALL THE SERVICES**
- **START THE PROJECT ON 1 LINE**
- **EASIER TESTING**



CODE RECOMMENDATIONS

■ INDEXING ADDRESS

```
[GET]
http://localhost:8080/index

parameters:
docsPath=Absolute address to the documents to be indexed.
```

■ ELASTIC SERVER CONNECTION

```
private final String ELASTIC_SERVER = System.getenv("ELASTIC_SERVER");
private final String ELASTIC_SERVER_PORT = System.getenv("ELASTIC_SERVER_PORT");
public void index(String docsPath) {

    RestHighLevelClient client = new RestHighLevelClient(
        RestClient.builder(
            new HttpHost(ELASTIC_SERVER, Integer.parseInt(ELASTIC_SERVER_PORT), "http")));
```