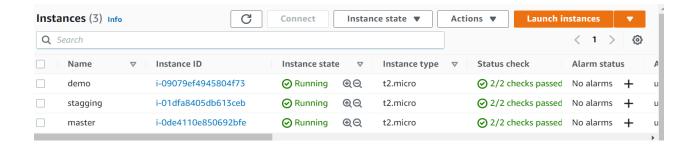
How to Automate the Deployment of a Web application

A Guide to build a CICD pipeline for automated deployment of web application using Git and Jenkins.

Tools/Technologies used -

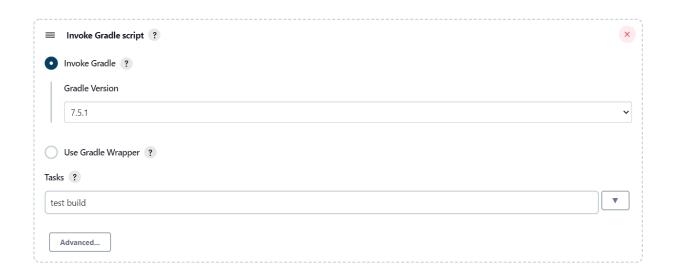
- Docker (Containerization platform)
- GitHub (for Source Code)
- Gradle (Build Tool)
- Jenkins (Automation CI/CD)
- AWS (Infrastructure/ Cloud platform)

Created two instances - one for master one for stagging(demo)

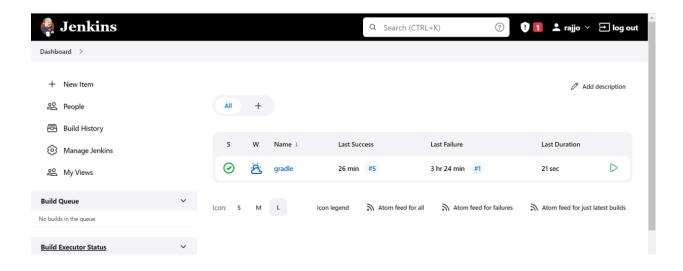


Source code from GitHub repository

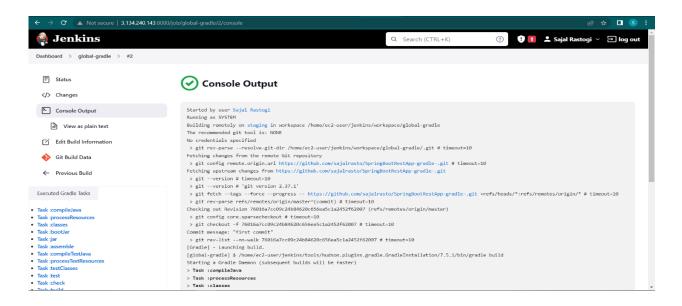
Test and Build using Gradle



Created a Jenkins job



Console Output



After building Gradle project, Container is created automatically using Dockerfile.

Content inside the Dockerfile

```
root@demo:/home/ec2-user/jenkins/workspace/gradle/build/libs — 
FROM openjdk:11
COPY SpringBootRestApp-0.0.1-SNAPSHOT.jar /
WORKDIR /
CMD "java", "-jar", "SpringBootRestApp-0.0.1-SNAPSHOT.jar"]
```

Final output Displayed on 8093 port no. with get mapping endpoint : /welcome



Happy to be Devops Engineer Sajal rastogi