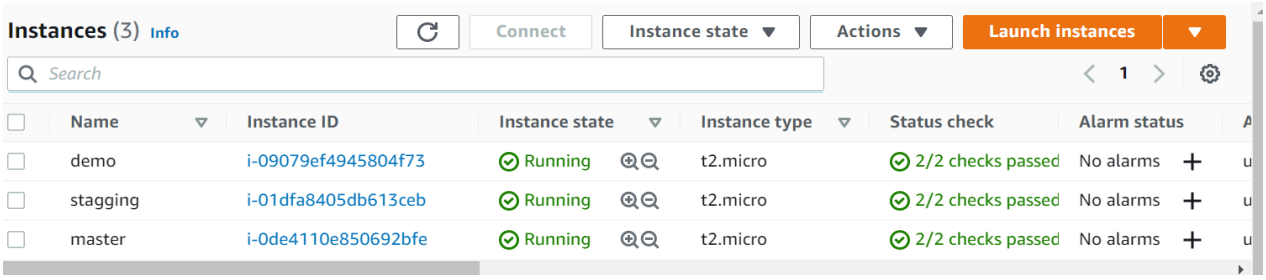
How to Automate the Deployment of a Web application

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

Tools/Technologies used –

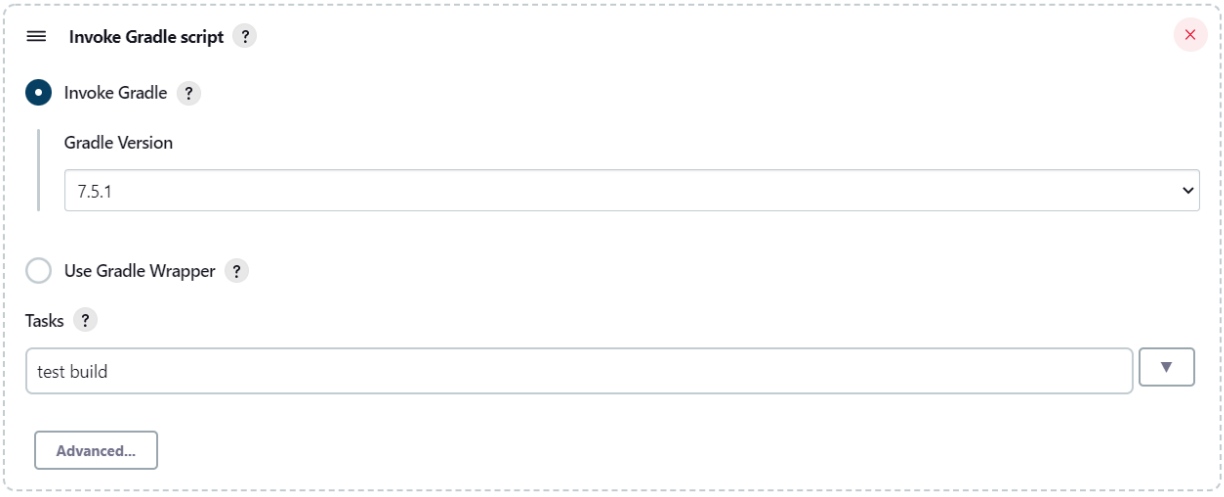
- Docker (Containerization platform)
- GitHub (for Source Code)
- Gradle (Build Tool)
- Jenkins (Automation CI/CD)
- AWS (Infrastructure/ Cloud platform)

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

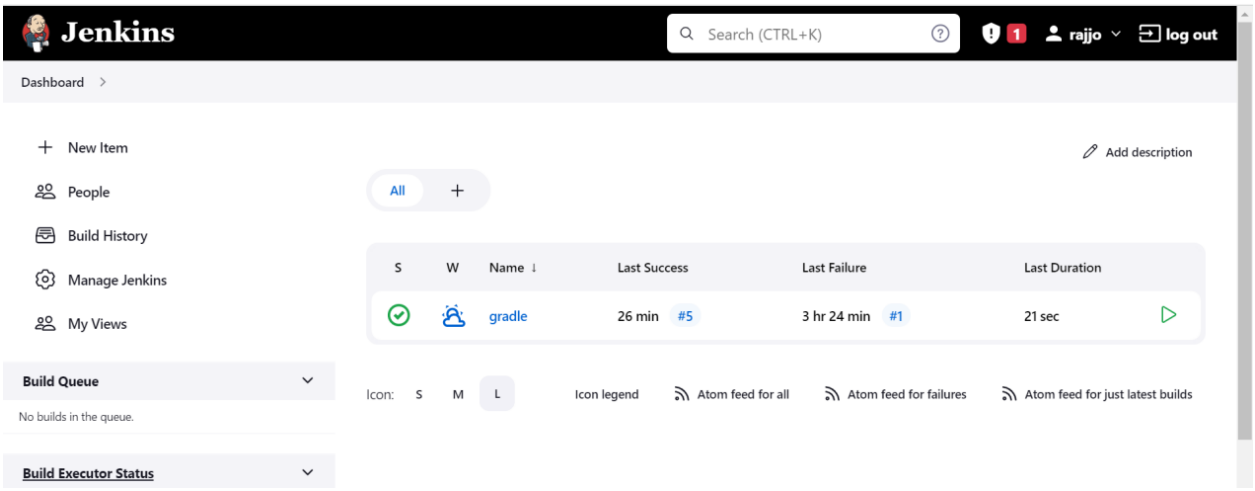


Source code from GitHub repository

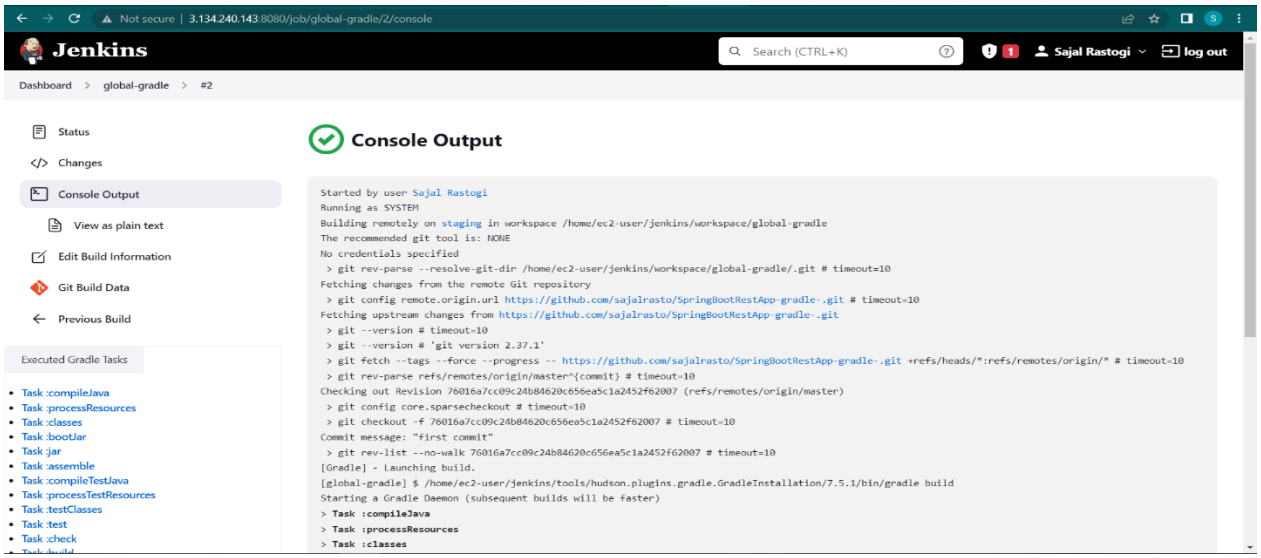
Test and Build using Gradle



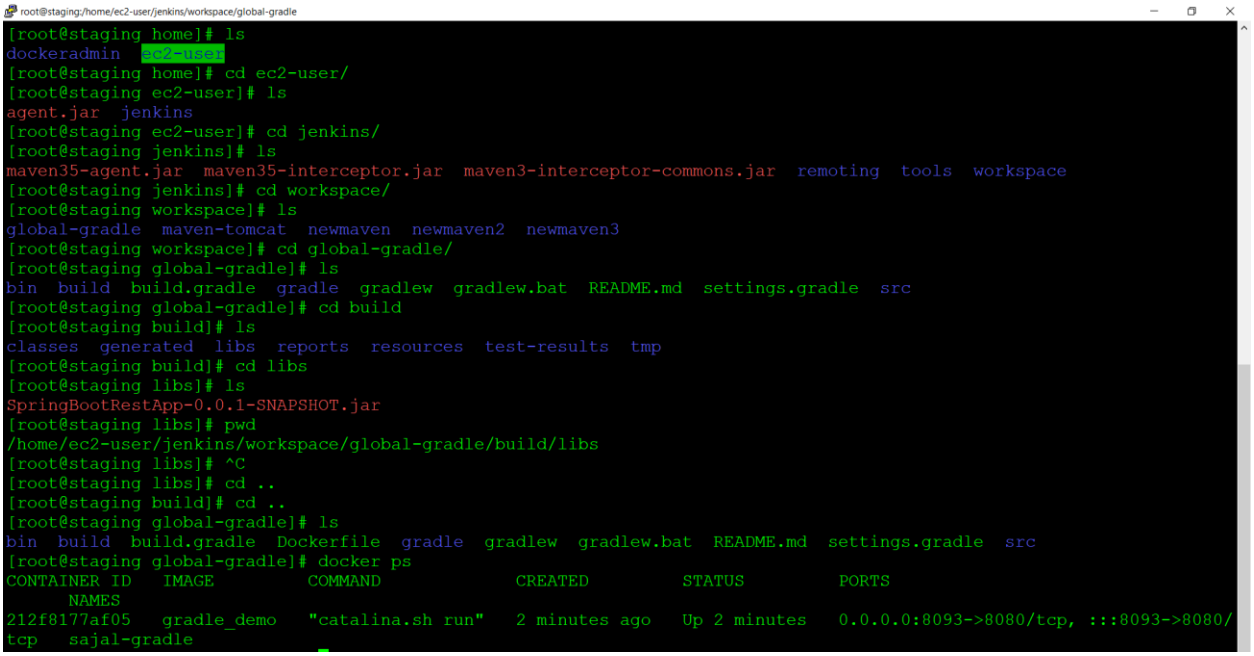
Created a Jenkins job



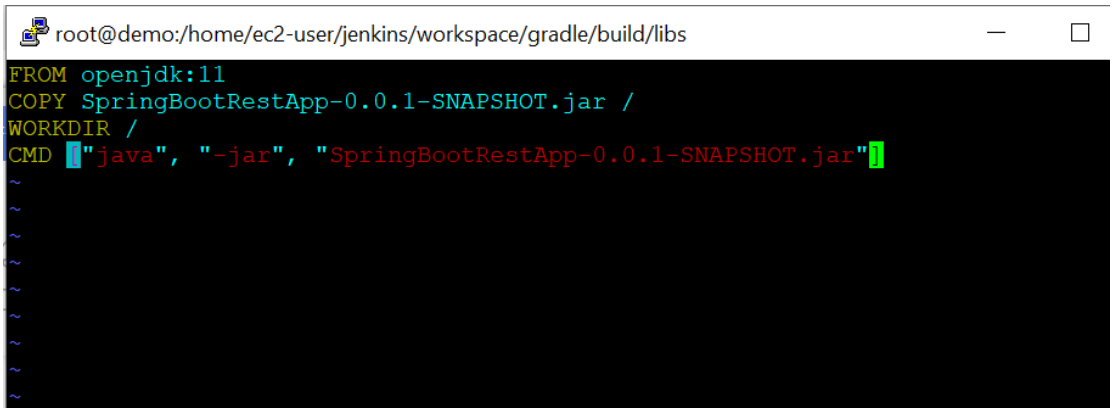
Console Output



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



Content inside the Dockerfile



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