

# DevOps Project

**CI/CD pipelines using Git, Jenkins, SonarQube, SonarType,  
Terraform, Docker, AWS Kubernetes**



# Jenkins

```
echo ${M2_HOME}
printenv
```

```
mvn install
mvn package
```

```
Building
Webapp
1.2-SNAPSHOT
```

```
mvn sonar:sonar
...
```

```
mvn test
```

```
Nexus Artifact
Uploader
Plugin
```

```
docker login...
docker build...
```

```
docker push...
```

```
docker run...
```

```
scp
deployment.yml
...
kubectl apply...
```

Declarative: Checkout SCM	Declarative: Tool Install	Initialize	Build	Test Code - SonarQube	Test	Publish to Nexus Repository Manager	Docker - Build	Docker Push to Nexus Docker Registry	Deploy to DevDockerHost	Deploy to K8s
929ms	149ms	590ms	7s	9s	2s	637ms	1s	471ms	1s	2s



sonarqube Projects Issues R

Maven Project ☆ master

Overview Issues Security Hotspots

QUALITY GATE STATUS ⓘ

**Passed**

All conditions passed.

Sonatype Nexus Repository Manager OSS 3.27.0-03

Browse / Test-Maven-Snapshot

HTML View

- com
  - example
    - maven-project
      - maven-project
      - server
      - webapp
        - 1.2-SNAPSHOT
          - maven-metadata.xml
          - maven-metadata.xml.md5
          - maven-metadata.xml.sha1

Sonatype Nexus Repository Manager OSS 3.27.0-03

Browse / docker-registry

HTML View

- v2
  - blobs
  - busybox
  - hello-world-app



# Infrastructure Provisioning

