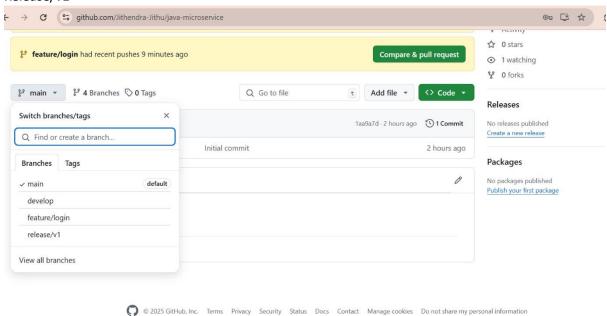
Implement a CI/CD pipeline using Jenkins multi-branch pipelines.

This github contains three branches:

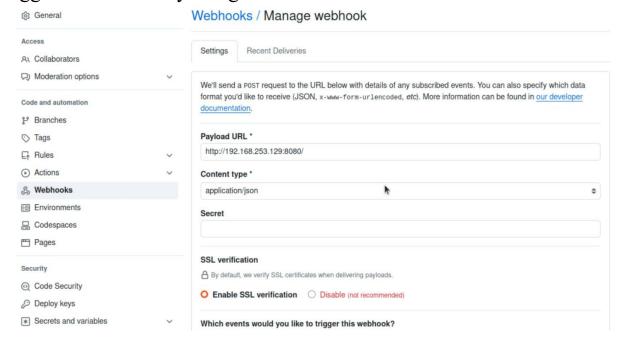
Develop

Feature/login

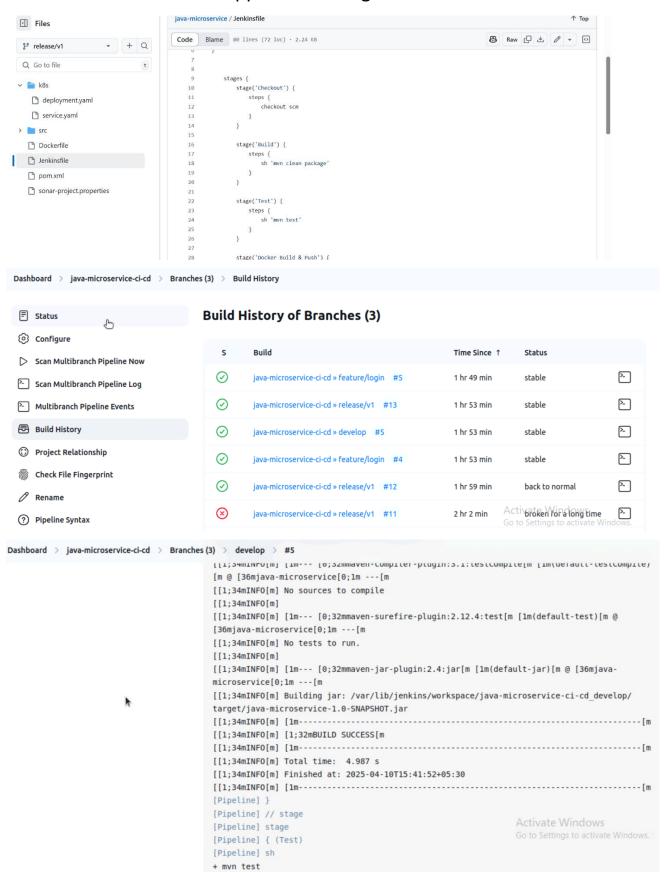
Release/v1



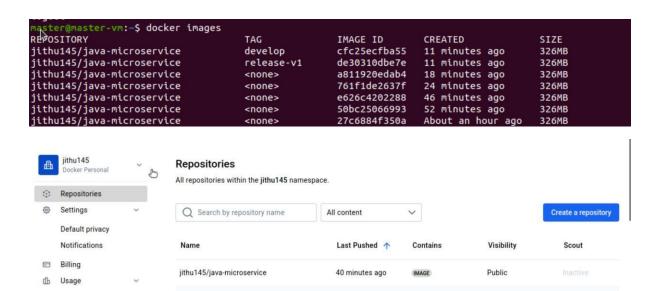
Triggers automatically using a GitHub webhook.



Builds and tests the Java application using maven.



4. Packages the application into a Docker container and pushes it to an image registry.



v. Docker Containerization and Image Push

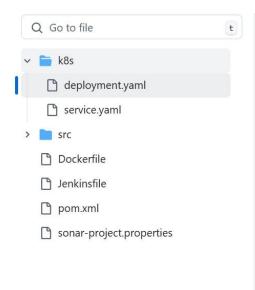


Docker file:



Kubernetes Deployment

- i. deployment.yaml (Defines the app deployment and replicas).
- ii. service.yaml (Exposes the application internally).
- b. Add Kubernetes apply command to Jenkinsfile to enable deployment.



```
Blame 19 lines (19 loc) · 360 Bytes
Code
          apiVersion: apps/v1
          kind: Deployment
    3
          metadata:
           name: java-microservice
          spec:
    6
            replicas: 1
            selector:
    8
              matchLabels:
    9
               app: java-microservice
   10
           template:
   11
              metadata:
   12
               labels:
   13
                 app: java-microservice
   14
             spec:
   15
               containers:
               - name: java-microservice
   16
                image: IMAGE_PLACEHOLDER
   17
                ports:
                 - containerPort: 8080
```

java-microservice / k8s / service.yaml 📮

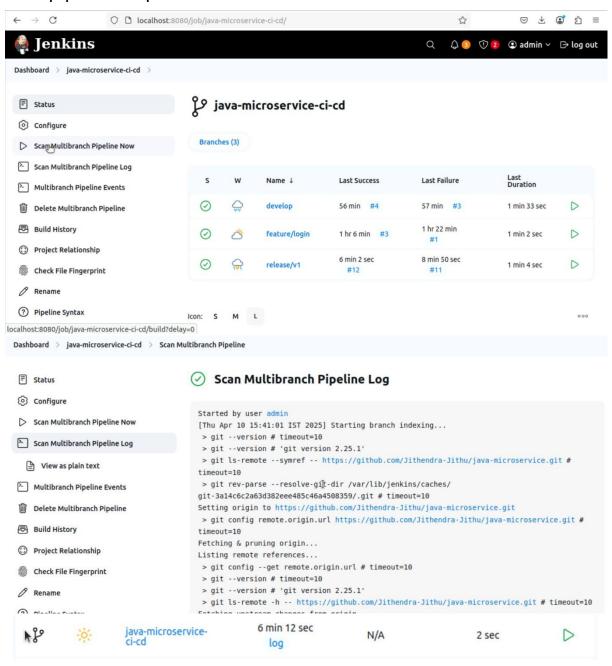
Jithendra-Jithu Initial commit for multi-branch Java microservice

```
12 lines (12 loc) · 194 Bytes
Code
         Blame
           apiVersion: v1
    1
    2
           kind: Service
           metadata:
    3
             name: java-microservice
    4
    5
           spec:
             selector:
    6
    7
               app: java-microservice
    8
             ports:
               - protocol: TCP
    9
                 port: 80
   10
   11
                 targetPort: 8080
             type: NodePort
   12
```

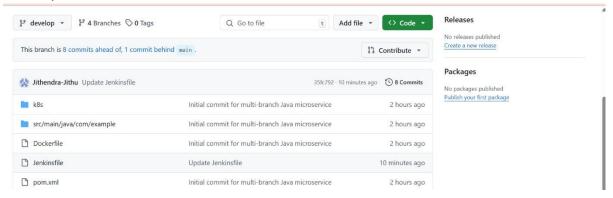
After executing the Jenkins multibranch pipeline:

Output:

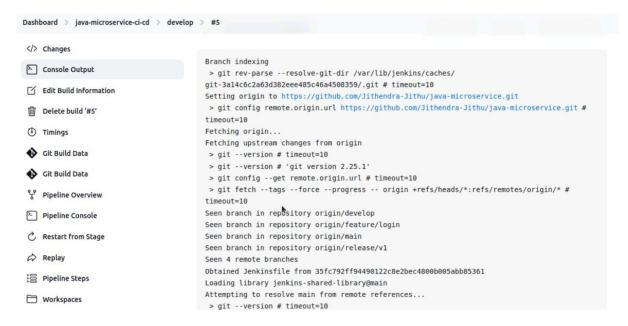
Total pipeline ouput:



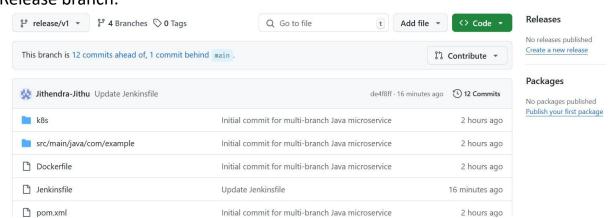
Develop branch:



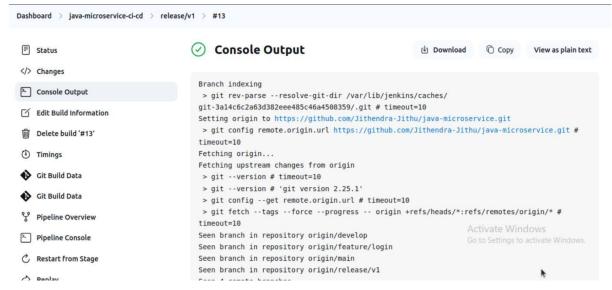
Output:



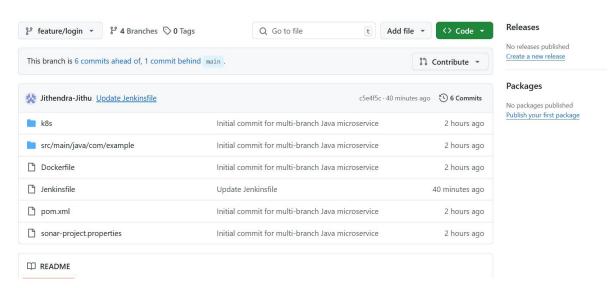
Release branch:



Output:



Feature/login:



Output:

