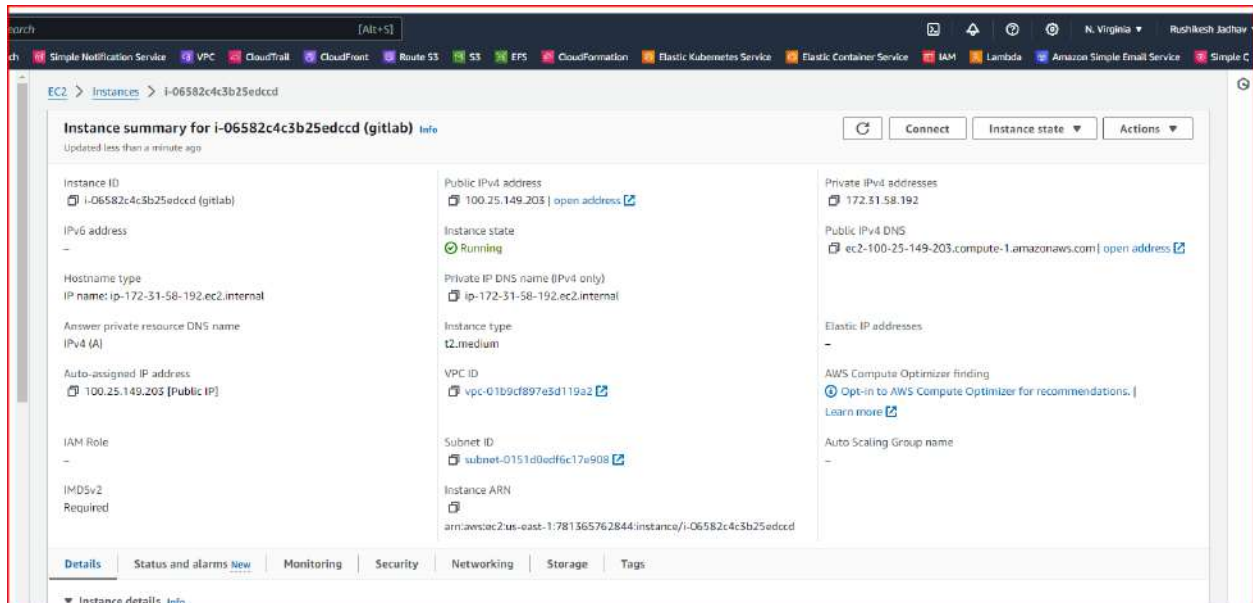
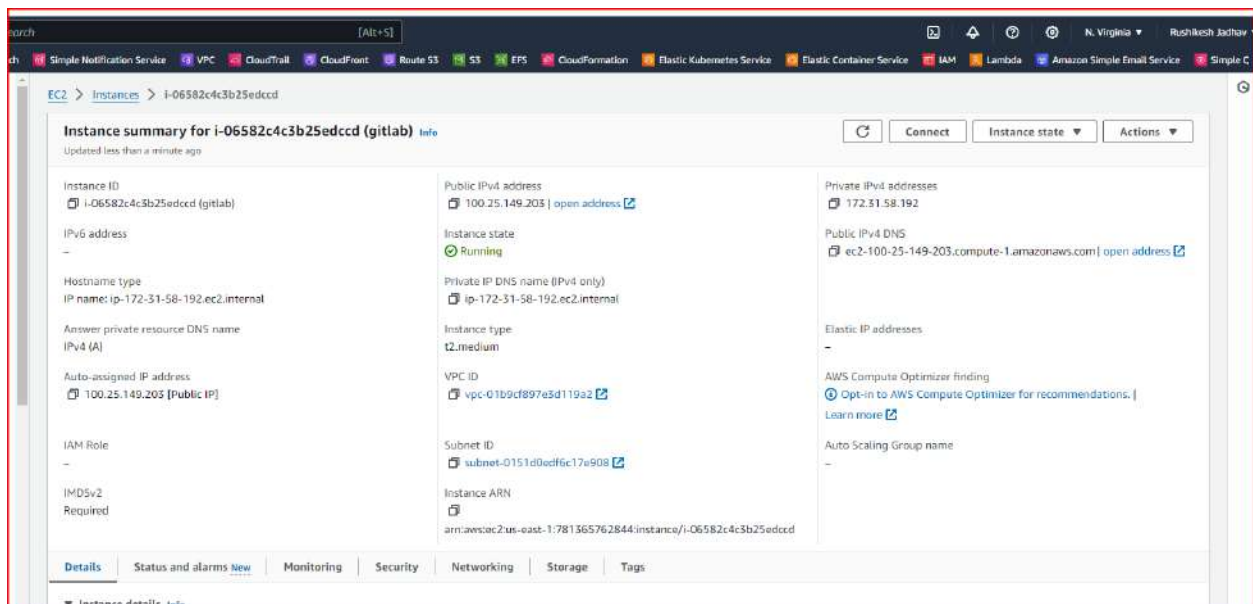


GITLAB POC

For running Gitlab pipeline we need to do some configurations on AWS



Security group



ECR

The screenshot shows the Amazon ECR console for a repository named 'gitlab'. The breadcrumb navigation is 'Amazon ECR > Private registry > Repositories > gitlab'. There are buttons for 'View push commands' and 'Edit'. Below the repository name, there's a section for 'Images (10)' with a search bar and pagination controls. A table lists the images with columns for Image tag, Artifact type, Pushed at, Size (MB), Image URI, and Digest.

<input type="checkbox"/>	Image tag	Artifact type	Pushed at	Size (MB)	Image URI	Digest
<input type="checkbox"/>	latest	Image	May 31, 2024, 13:17:19 (UTC+05.5)	284.10	Copy URI	sha256:1ac8c00305995...
<input type="checkbox"/>	-	Image	May 31, 2024, 12:55:01 (UTC+05.5)	284.10	Copy URI	sha256:269c08dfb4e561...
<input type="checkbox"/>	-	Image	May 31, 2024, 12:46:22 (UTC+05.5)	284.10	Copy URI	sha256:26c7e2e5dd54f2...
<input type="checkbox"/>	-	Image	May 31, 2024, 12:40:56 (UTC+05.5)	284.10	Copy URI	sha256:fcab43e35d19d7...
<input type="checkbox"/>	-	Image	May 31, 2024, 10:56:21 (UTC+05.5)	284.10	Copy URI	sha256:1ed6f327f817ea...
<input type="checkbox"/>	-	Image	May 31, 2024, 10:45:59 (UTC+05.5)	284.10	Copy URI	sha256:0df8b8a97556d0...
<input type="checkbox"/>	-	Image	May 31, 2024, 10:38:52 (UTC+05.5)	284.10	Copy URI	sha256:a60dc6a5c1e399c...
<input type="checkbox"/>	-	Image	May 30, 2024, 10:26:54 (UTC+05.5)	284.10	Copy URI	sha256:d38f89e4a7c28a0...

IAM

The screenshot shows the AWS IAM console for a user named 'lab'. The breadcrumb navigation is 'IAM > Users > lab'. There's a 'Delete' button. Below the user name, there's a 'Summary' section with details about the user's ARN, console access, and access keys. Below the summary, there are tabs for 'Permissions', 'Groups', 'Tags', 'Security credentials', and 'Access Advisor'. The 'Permissions' tab is selected, showing 'Permissions policies (1)'. There's a search bar and a 'Filter by Type' dropdown.

Summary

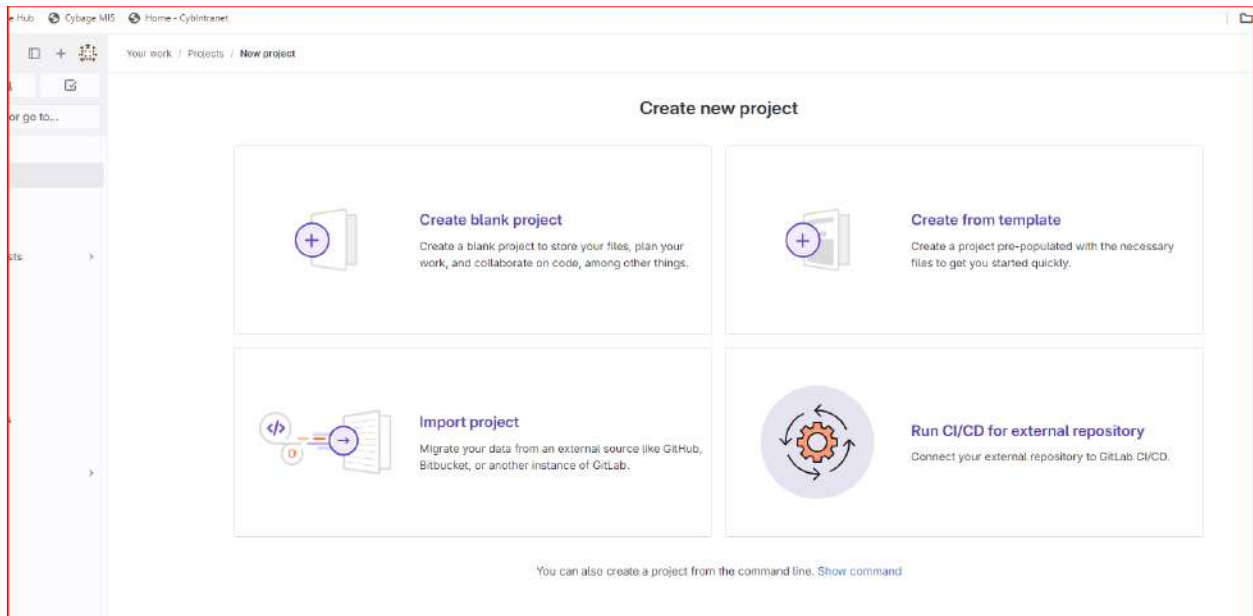
ARN arn:aws:iam::781365762844:user/lab	Console access Disabled	Access key 1 AKIA3L3IHLMOCTVIV4W6 - Active Used today, 2 days old.
Created May 28, 2024, 16:00 (UTC+05:30)	Last console sign-in -	Access key 2 Create access key

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

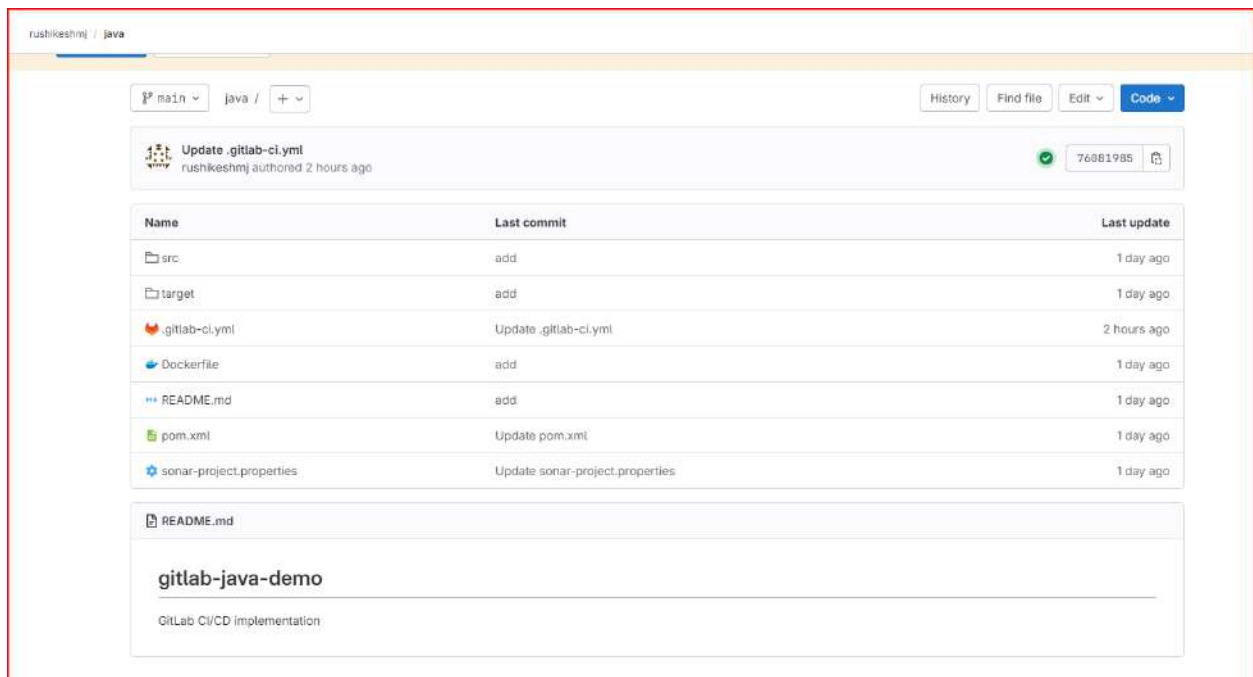
Filter by Type: All types

Import project from GITHUB



After that go to project tab on left side and select your project

Create .gitlab-ci.yml file inside the project and start writing yaml file.



After doing this install some application on EC2 Console

```
sudo apt-get update
```

```
sudo apt-get install docker.io
```

```
sudo su
```

```
sudo curl -L --output /usr/local/bin/gitlab-runner https://gitlab-runner-downloads.s3.amazonaws.com/latest/binaries/gitlab-runner-linux-amd64
```

```
sudo chmod +x /usr/local/bin/gitlab-runner
```

```
sudo chmod +x /usr/local/bin/gitlab-runner
```

```
sudo useradd --comment 'GitLab Runner' --create-home gitlab-runner --shell /bin/bash
```

```
sudo gitlab-runner install --user=gitlab-runner --working-directory=/home/gitlab-runner
```

```
sudo gitlab-runner start
```

```
sudo gitlab-runner register
```

```
sudo vi /etc/gitlab-runner/config.toml
```

```
sudo gitlab-runner restart
```

```
docker run -d --name sonarcontainer -p 9000:9000 sonarqube
```

```
docker ps
```

```
docker run -d --name jenkinscontainer -p 8080:8080 jenkins/jenkins
```

```
docker ps
```

```
sudo apt-get install -y curl unzip
```

```
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
```

```
unzip awscliv2.zip
```

```
sudo ./aws/install
```

```
aws --version
```

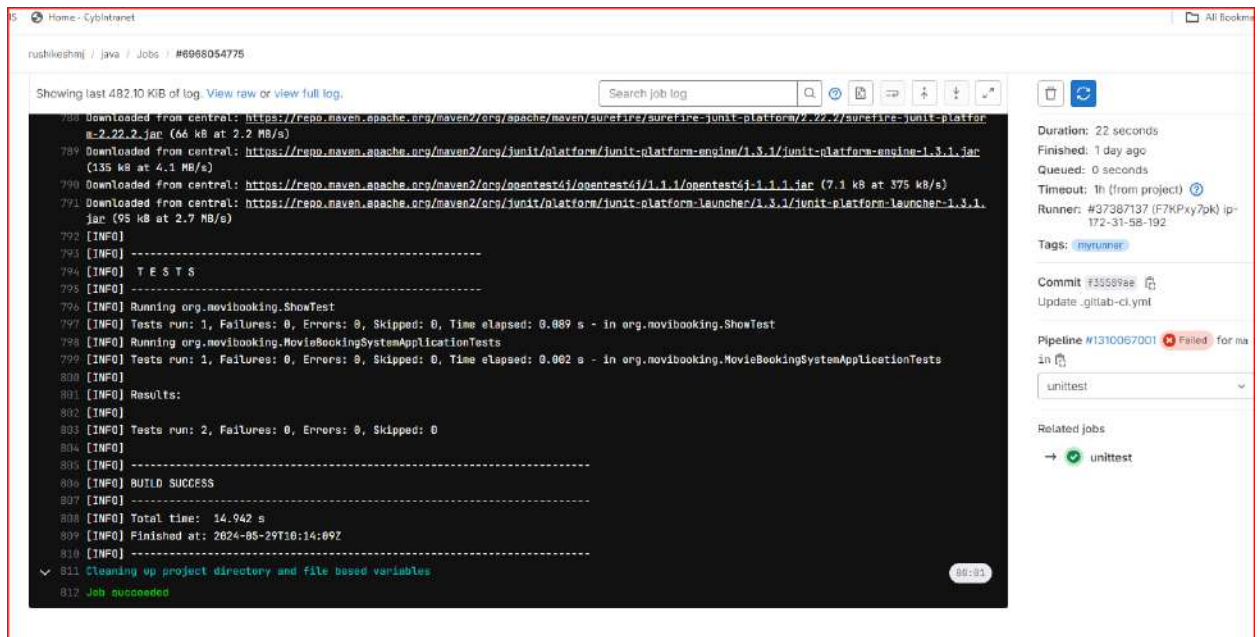
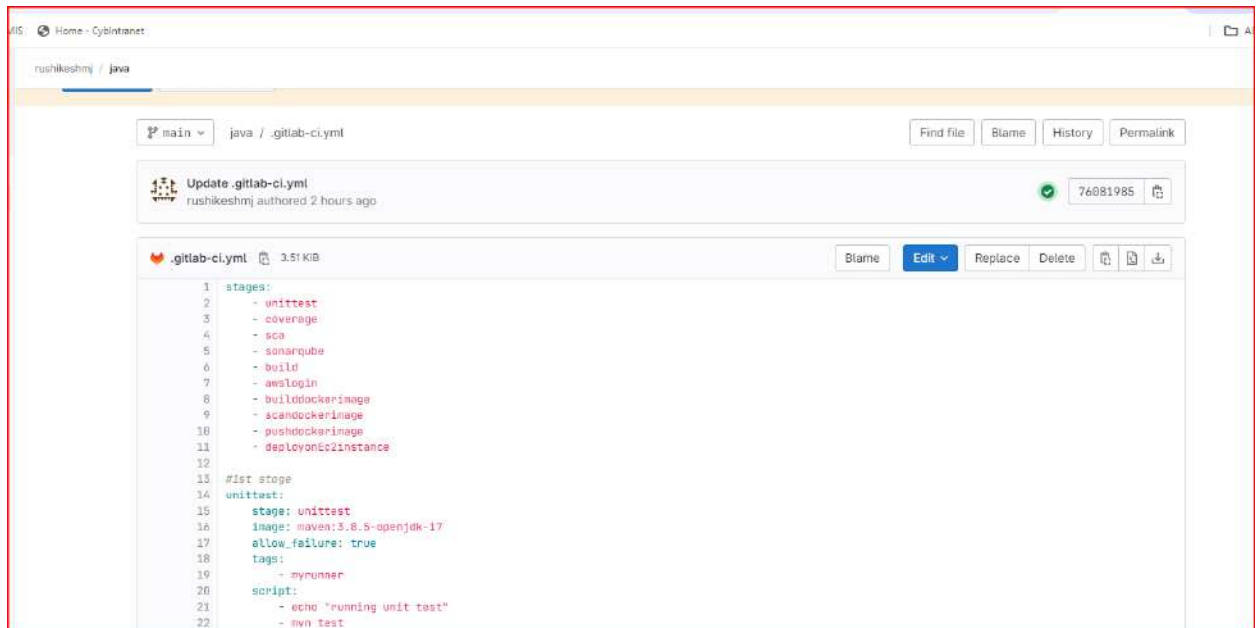
```
aws configure
```

```
aws login
```

1. CI steps for GitLab workflow which includes (Use Self Hosted Runner)

I. Checkout code to repo

II. Unit testing



III. code coverage using jacoco

```
nikeshmj/java/-/blob/main/.gitlab-ci.yml#type=heads
nikeshmj / java
.gitlab-ci.yml
1 stages:
2   - unittest
3   - coverage
4   - sca
5   - sonarqube
6   - build
7   - awslogin
8   - builddockerimage
9   - scandockerimage
10  - pushdockerimage
11  - deployonEc2Instance
12
13 #1st stage
14 unittest:
15   stage: unittest
16   image: maven:3.8.5-openjdk-17
17   allow_failure: true
18   tags:
19     - myrunner
20   script:
21     - echo "running unit test"
22     - mvn test
23
24 #2nd stage
25 coverage:
26   stage: coverage
27   image: maven:3.8.5-openjdk-17
28   tags:
29     - myrunner
30   script:
31     - mvn clean jacoco:prepare-agent test jacoco:report -B
32     - ls -latr target/site/jacoco
33   artifacts:
34     paths:
35       - target/site/jacoco/jacoco.xml
36     expire_in: 1 week
```

nikeshmj/java/-/jobs/5668054782

nikeshmj / java / Jobs / #5668054782

Search job log

```
1367 [INFO] -----
1368 [INFO] BUILD SUCCESS
1369 [INFO] -----
1370 [INFO] Total time: 12.979 s
1371 [INFO] Finished at: 2024-05-29T10:14:30Z
1372 [INFO] -----
1373 $ ls -latr target/site/jacoco
1374 total 120
1375 drwxr-xr-x 3 root root 4096 May 29 10:14 ..
1376 drwxr-xr-x 2 root root 4096 May 29 10:14 jacoco-resources
1377 drwxr-xr-x 2 root root 4096 May 29 10:14 org.moviebooking.controller
1378 drwxr-xr-x 2 root root 4096 May 29 10:14 org.moviebooking.service
1379 drwxr-xr-x 2 root root 4096 May 29 10:14 org.moviebooking.model
1380 drwxr-xr-x 2 root root 4096 May 29 10:14 org.moviebooking.metrics
1381 drwxr-xr-x 2 root root 4096 May 29 10:14 org.moviebooking.config
1382 drwxr-xr-x 2 root root 4096 May 29 10:14 org.moviebooking
1383 -rw-r--r-- 1 root root 5833 May 29 10:14 index.html
1384 drwxr-xr-x 9 root root 4096 May 29 10:14 .
1385 -rw-r--r-- 1 root root 31583 May 29 10:14 jacoco.xml
1386 -rw-r--r-- 1 root root 962 May 29 10:14 jacoco.csv
1387 -rw-r--r-- 1 root root 48685 May 29 10:14 jacoco-sessions.html
1388 Uploading artifacts for successful job
1389 Uploading artifacts...
1390 target/site/jacoco/jacoco.xml: found 1 matching artifact files and directories
1391 Uploading artifacts as 'archive' to coordinator... 261 Created id=6968854782 responseStatus=261 Created token=globt-65
1392 Cleaning up project directory and file based variables
1393 Job succeeded
```

Duration: 21 seconds
Finished: 1 day ago
Queued: 0 seconds
Timeout: 1h (from project)
Runner: #37387137 (F7KPy)
172-31-58-192
Tags: myrunner
Job artifacts
The artifacts will be removed
Keep Download
Commit #35589a8
Update .gitlab-ci.yml
Pipeline #1310067001
in
coverage
Related jobs
→ coverage

IV. SCA using SonarQubes along with quality gates

```
thikeshmj/java/-/blob/main/gitlab-ci.yml?ref_type=heads
MIS Home - Cybintanet

rushikeshmj / java

10 - pushdockerimage
11 - deployonEc2instance
12
13 #1st stage
14 unittest:
15   stage: unittest
16   image: maven:3.8.5-openjdk-17
17   allow_failure: true
18   tags:
19     - myrunner
20   script:
21     - echo "running unit test"
22     - mvn test
23 #2nd stage
24 coverage:
25   stage: coverage
26   image: maven:3.8.5-openjdk-17
27   tags:
28     - myrunner
29   script:
30     - mvn clean jacoco:prepare-agent test jacoco:report -B
31     - ls -ltr target/site/jacoco
32   artifacts:
33     paths:
34       - target/site/jacoco/jacoco.xml
35     expire_in: 1 week
36 #3rd stage
37 sonarqube:
38   stage: sonarqube
39   image: maven:3.8.5-openjdk-17
40   tags:
41     - myrunner
42   dependencies:
43     - coverage
44   script:
45     - mvn sonar:sonar -Dcoverage -Dsonar.projectKey=sonar-gitlab -Dsonar.organization=sonar-gitlab -Dsonar.host.url=$SONAR_HOST_URL -Dsonar.lg
```

```
thikeshmj/java/-/jobs/5966425998
age MIS Home - Cybintanet

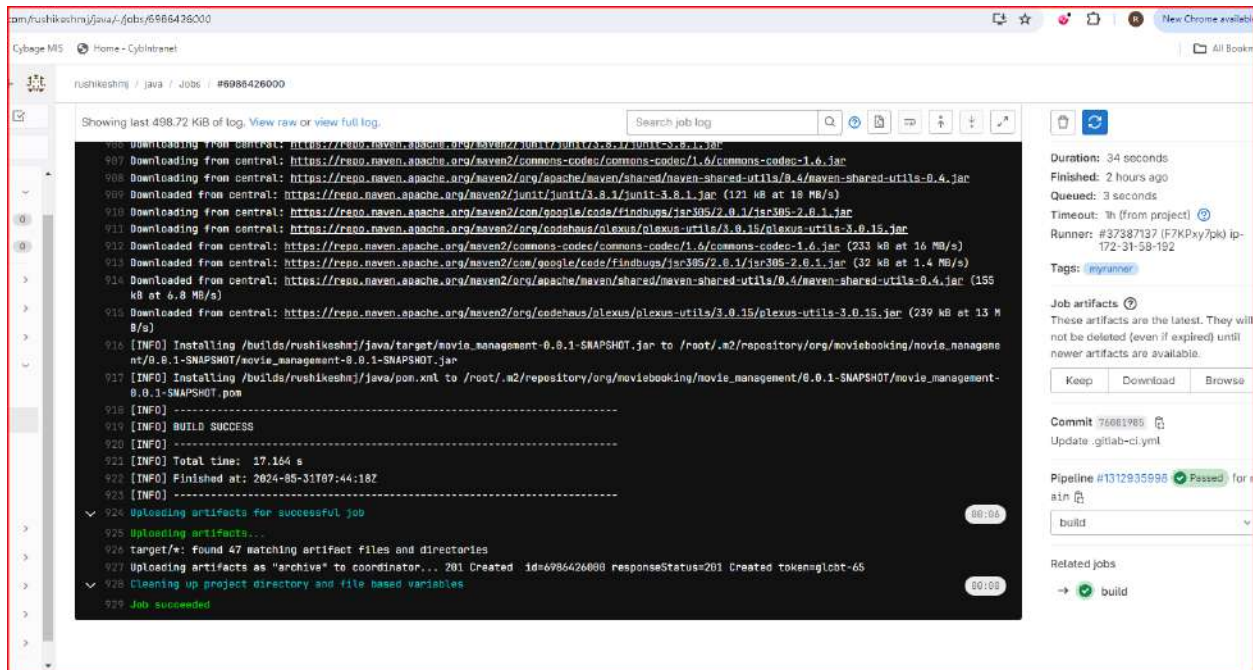
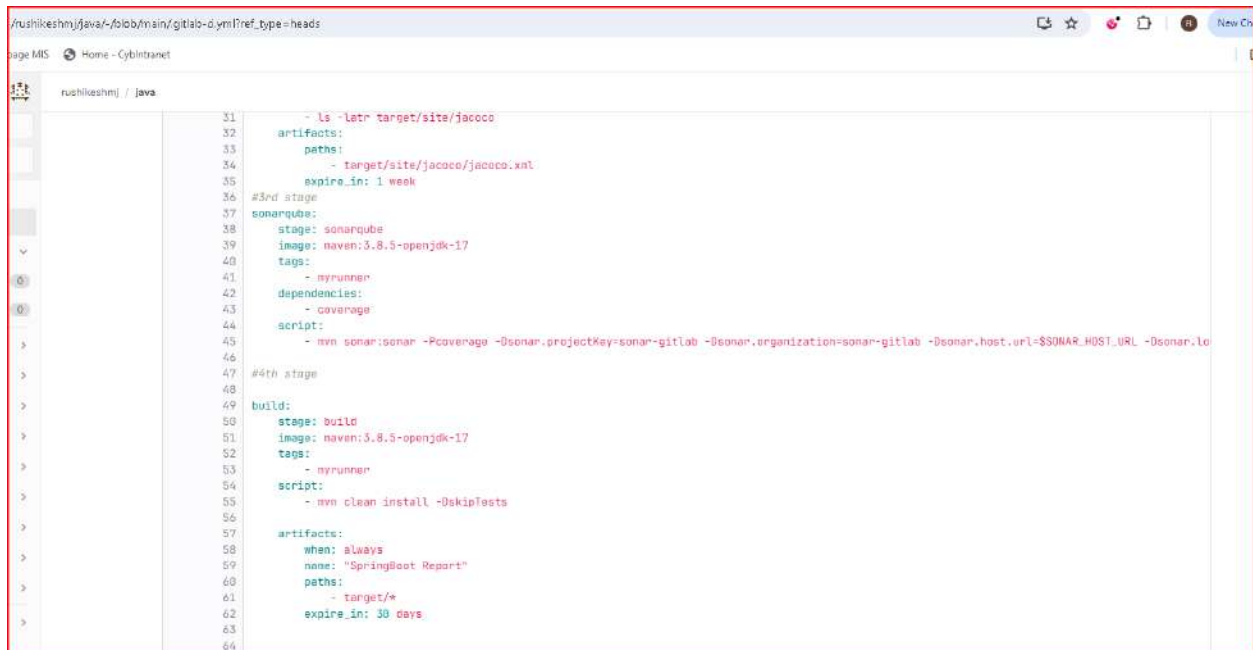
rushikeshmj / java / Jobs / #5966425998

Showing last 497.53 KIB of log. View raw or view full log. Search job log

349 [WARNING] * src/main/java/org/moviebooking/repository/BookingRepository.java
350 [WARNING] * src/main/java/org/moviebooking/service/ShowServiceImpl.java
351 [WARNING] * src/main/java/org/moviebooking/config/SecurityConfig.java
352 [WARNING] * src/main/java/org/moviebooking/MovieBookingSystemApplication.java
353 [WARNING] * src/test/java/org/moviebooking/MovieBookingSystemApplicationTests.java
354 [WARNING] * src/main/java/org/moviebooking/metrics/ShowPerformanceMetrics.java
355 [WARNING] This may lead to missing/broken features in SonarQube
356 [INFO] CPD Executor 8 files had no CPD blocks
357 [INFO] CPD Executor Calculating CPD for 6 files
358 [INFO] CPD Executor CPD calculation finished (done) | time=15ms
359 [INFO] SCM revision ID '76081985e4ada60c174566395462526b85e3dd61'
360 [INFO] Analysis report generated in 120ms, dir size=250.3 kB
361 [INFO] Analysis report compressed in 47ms, zip size=56.2 kB
362 [INFO] Analysis report uploaded in 36ms
363 [INFO] ----- Check Quality Gate status
364 [INFO] Waiting for the analysis report to be processed (max 300s)
365 [INFO] QUALITY GATE STATUS: PASSED - View details on http://100.25.149.203:9000/dashboard?id=sonar-gitlab
366 [INFO] Analysis total time: 38.058 s
367 [INFO] -----
368 [INFO] BUILD SUCCESS
369 [INFO] -----
370 [INFO] Total time: 48.753 s
371 [INFO] Finished at: 2024-05-31T07:43:45Z
372 [INFO] -----
373 [WARNING] The requested profile "coverage" could not be activated because it does not exist.
374 Cleaning up project directory and file based variables
375 Job succeeded
```

Duration: 59 seconds
Finished: 2 hours ago
Queued: 3 seconds
Timeout: 1h (from project)
Runner: #37387137 (F7KPxyDp172-31-58-192)
Tags: myrunner
Commit 76081985
Update .gitlab-ci.yml
Pipeline #1312935998 Passed
ain
sonarqube
Related jobs
→ sonarqube

V. Build and package JAR



VI. Configuration of AWS

```
rushikeshmj/java/-/blob/main/gitlab-ci.yml?ref_type=heads
page 1/5 Home - Cylbitranet
rushikeshmj / java
42 dependencies:
43   - coverage
44 script:
45   - mvn sonar:sonar -Dcoverage -Dsonar.projectKey=sonar-gitlab -Dsonar.organization=sonar-gitlab -Dsonar.host.url=$SONAR_HOST_URL -Dsonar.lo
46
47 #4th stage
48
49 build:
50   stage: build
51   image: maven:3.8.5-openjdk-17
52   tags:
53     - myrunner
54   script:
55     - mvn clean install -DskipTests
56
57 artifacts:
58   when: always
59   name: "SpringBoot Report"
60   paths:
61     - target/*
62   expire_in: 30 days
63
64
65
66 #5th stage
67
68 awslogin:
69   stage: awslogin
70   image: registry.gitlab.com/gitlab-org/cloud-deploy/aws-base:latest
71   tags:
72     - myrunner
73   before_script:
74     - aws configure set aws.access.key_id $AWS_ACCESS_KEY_ID
75     - aws configure set aws.secret.access.key $AWS_SECRET_ACCESS_KEY
76     - aws configure set default.region $AWS_DEFAULT_REGION
77   script:
78     - aws ecr get-login-password --region $AWS_DEFAULT_REGION | docker login --username AWS --password-stdin $DOCKER_REGISTRY
79
```

```
rushikeshmj/java/-/blob/6086426002
page 1/5 Home - Cylbitranet
rushikeshmj / java / Jobs / #6086426002
Search job log
13 Checking out 76081985 as detached HEAD (ref is main)...
14 Removing target/generated-sources/
15 Removing target/generated-test-sources/
16 Removing target/maven-archiver/
17 Removing target/maven-status/
18 Removing target/movie-management-0.0.1-SNAPSHOT.jar
19 Removing target/movie-management-0.0.1-SNAPSHOT.jar.original
20 Skipping Git submodule setup
21 Downloading artifacts
22 Downloading artifacts for coverage (6986425995)...
23 Downloading artifacts from coordinator... ok host=cdn.artifacts.gitlab-static.net id=6986425995 responseStatus=200 OK token=glcblt-65
24 Downloading artifacts for build (4986426000)...
25 Downloading artifacts from coordinator... ok host=cdn.artifacts.gitlab-static.net id=4986426000 responseStatus=200 OK token=glcblt-65
26 Executing "step_script" stage of the job script
27 Using docker image sha256:c92d24ce853e526269f814667ab9442ff17b30721f0691158a40abd7b67asad2 for registry.gitlab.com/gitlab-org/cloud-deploy/aw
s-base:latest with digest registry.gitlab.com/gitlab-org/cloud-deploy/aws-base@sha256:91773d7cc5afdac8aa8a5c385ba2263fc76de483ba4b08a635cf714
36f8ad2a0 ...
28 $ aws configure set aws.access.key_id $AWS_ACCESS_KEY_ID
29 $ aws configure set aws.secret.access.key $AWS_SECRET_ACCESS_KEY
30 $ aws configure set default.region $AWS_DEFAULT_REGION
31 $ aws ecr get-login-password --region $AWS_DEFAULT_REGION | docker login --username AWS --password-stdin $DOCKER_REGISTRY
32 WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
33 Configure a credential helper to remove this warning. See
34 https://docs.docker.com/engine/reference/commandline/login/#credentials-store
35 Login Succeeded
36 Cleaning up project directory and file based variables
37 Job succeeded
Duration: 14 seconds
Finished: 2 hours ago
Queued: 3 seconds
Timeout: 1h (from project)
Runner: #37387137 (F7KPy7pk) ip=172.31.58.192
Tags: myrunner
Commit 76081985
Update gitlab-ci.yml
Pipeline #7312935008 Passed for
bin
awslogin
Related jobs
→ awslogin
```

VII. bulddockerimage

```
rushikeshinj/java/-/blob/main/.gitlab-ci.yml?ref=heads
New Chrome avail...
All Book...
Home - Cylindranet
rushikeshinj / java

52 tags:
53   - myrunner
54 script:
55   - mvn clean install -DskipTests
56
57 artifacts:
58   when: always
59   name: "SpringBoot Report"
60   paths:
61     - target/*
62   expire_in: 30 days
63
64
65
66 #5th stage
67
68 awslogin:
69   stage: awslogin
70   image: registry.gitlab.com/gitlab-org/cloud-deploy/aws-base:latest
71   tags:
72     - myrunner
73   before_script:
74     - aws configure set aws.access.key.id $AWS_ACCESS_KEY_ID
75     - aws configure set aws.secret.access.key $AWS_SECRET_ACCESS_KEY
76     - aws configure set default.region $AWS_DEFAULT_REGION
77   script:
78     - aws s3 cp get-login-password --region $AWS_DEFAULT_REGION | docker login --username AWS --password-stdin $DOCKER_REGISTRY
79
80
81 #6th stage
82
83 bulddockerimage:
84   stage: bulddockerimage
85   tags:
86     - myrunner
87   image: docker:latest
88   services:
89     - docker:dind
90   script:
91     - docker build -t $DOCKER_REGISTRY/$APP_NAME:latest .
```

```
rushikeshinj/java/-/blob/main/.gitlab-ci.yml?ref=heads
New Chrome avail...
All Book...
Home - Cylindranet
rushikeshinj / java

52 tags:
53   - myrunner
54 script:
55   - mvn clean install -DskipTests
56
57 artifacts:
58   when: always
59   name: "SpringBoot Report"
60   paths:
61     - target/*
62   expire_in: 30 days
63
64
65
66 #5th stage
67
68 awslogin:
69   stage: awslogin
70   image: registry.gitlab.com/gitlab-org/cloud-deploy/aws-base:latest
71   tags:
72     - myrunner
73   before_script:
74     - aws configure set aws.access.key.id $AWS_ACCESS_KEY_ID
75     - aws configure set aws.secret.access.key $AWS_SECRET_ACCESS_KEY
76     - aws configure set default.region $AWS_DEFAULT_REGION
77   script:
78     - aws s3 cp get-login-password --region $AWS_DEFAULT_REGION | docker login --username AWS --password-stdin $DOCKER_REGISTRY
79
80
81 #6th stage
82
83 bulddockerimage:
84   stage: bulddockerimage
85   tags:
86     - myrunner
87   image: docker:latest
88   services:
89     - docker:dind
90   script:
91     - docker build -t $DOCKER_REGISTRY/$APP_NAME:latest .
```

VIII. scandockerimage

```
ruskieshmj:java:/blob/main?gitlab-ci.yml#ref_type=heads
page MIS Home - Cylintanet
ruskieshmj / java

68 #awslogin:
69 stage: awslogin
70 image: registry.gitlab.com/gitlab-org/cloud-deploy/aws-base:latest
71 tags:
72   - myrunner
73 before_script:
74   - aws configure set aws.access_key_id $AWS_ACCESS_KEY_ID
75   - aws configure set aws.secret_access_key $AWS_SECRET_ACCESS_KEY
76   - aws configure set default.region $AWS_DEFAULT_REGION
77 script:
78   - aws ecr get-login-password --region $AWS_DEFAULT_REGION | docker login --username AWS --password-stdin $DOCKER_REGISTRY
79
80 #6th stage
81
82 builddockerimage:
83 stage: builddockerimage
84 tags:
85   - myrunner
86 image: docker:latest
87 services:
88   - docker:dind
89 script:
90   - docker build -t $DOCKER_REGISTRY/$APP_NAME:latest .
91
92 #7th stage
93
94 scandockerimage:
95 stage: scandockerimage
96 image: registry.gitlab.com/gitlab-org/cloud-deploy/aws-base:latest
97 tags:
98   - myrunner
99 script:
100   - apt install -y curl
101   - curl -sL https://raw.githubusercontent.com/aquasecurity/trivy/main/contrib/install.sh | sh -s -- -o /usr/local/bin v0.51.1
102   - trivy image $DOCKER_REGISTRY/$APP_NAME:$DOCKER_IMAGE_TAG
103
```

ruskieshmj:java:/obs/986426005

page MIS Home - Cylintanet

ruskieshmj / java / Jobs / #986426005

Search job log

681	00c				
682	https://avd.aquasec.com/nvd/cve-2022-38750				
683					
684	snakeyaml: Uncaught exception in	CVE-2022-38751			
685	java.base/java.util.regex.Pattern\$Ques.match				
686	https://avd.aquasec.com/nvd/cve-2022-38751				
687					
688	snakeyaml: Uncaught exception in	CVE-2022-38752			1.32
689	java.base/java.util.ArrayList.hashCode				
690	https://avd.aquasec.com/nvd/cve-2022-38752				
691					
692	dev.java/snakeyaml: DoS via stack overflow	CVE-2022-41854			
693	https://avd.aquasec.com/nvd/cve-2022-41854				
694	Cleaning up project directory and file based variables				00:01
695	Job succeeded				

Duration: 1 minute 27 seconds
Finished: 2 hours ago
Queued: 3 seconds
Timeout: 1h (from project)
Runner: #37387137 (F7KPzy7pk) ip-172-31-58-192
Tags: myrunner
Commit: 76001965
Update: .gitlab-ci.yml
Pipeline #1312935996 Passed for main
scandockerimage
Related jobs
→ scandockerimage

2. CD steps includes

1. Deploy application on EC2 using SSH Private Key

```
rushikeshnj/java/-/blob/main/.gitlab-ci.yml#ref_type=heads
rushikeshnj / java

#stn stage
pushdockerimage:
  stage: pushdockerimage
  image: registry.gitlab.com/gitlab-org/cloud-deploy/aws-base:latest
  tags:
    - myrunner
  script:
    - apt install -y curl
    - curl -sL https://raw.githubusercontent.com/aquasecurity/trivy/main/contrib/install.sh | sh -s -- -b /var/local/bin v0.81.1
    - trivy image $DOCKER_REGISTRY/$APP_NAME:$DOCKER_IMAGE_TAG

deployonEc2instance:
  stage: deployonEc2instance
  tags:
    - myrunner
  before_script:
    - aws configure set aws_access_key_id $AWS_ACCESS_KEY_ID
    - aws configure set aws_secret_access_key $AWS_SECRET_ACCESS_KEY
    - aws configure set default.region $AWS_DEFAULT_REGION
  script:
    - aws ecr get-login-password --region $AWS_DEFAULT_REGION | docker login --username AWS --password-stdin $DOCKER_REGISTRY
    - docker push $DOCKER_REGISTRY/$APP_NAME:$DOCKER_IMAGE_TAG

  deployonEc2instance:
    stage: deployonEc2instance
    tags:
      - myrunner
    before_script:
      - pwd && mkdir -p ~/.ssh
      - echo "$SSH_PRIVATE_KEY" > ~/.ssh/id_rsa
      - chmod 600 ~/.ssh/id_rsa
    script:
      - ssh -o StrictHostKeyChecking=no -i ~/.ssh/id_rsa ubuntu@$INSTANCE_PUBLIC_IP "sudo docker pull $DOCKER_REGISTRY/$APP_NAME:latest"
      - ssh -o StrictHostKeyChecking=no -i ~/.ssh/id_rsa ubuntu@$INSTANCE_PUBLIC_IP "sudo docker run -d -p 8085:8085 $DOCKER_REGISTRY/$APP_NAME:latest"
```

```
rushikeshnj/java/-/jobs/6986426010
rushikeshnj / java / Jobs / #6986426010

17 Removing target/movie_management-0.0.1-SNAPSHOT.jar
18 Removing target/movie_management-0.0.1-SNAPSHOT.jar.original
19 Removing target/site/
20 Skipping Git submodules setup
21 Downloading artifacts
22 Downloading artifacts for coverage (6986425995)...
23 Downloading artifacts from coordinator... ok hostcdn.artifacts.gitlab-static.net id=6986425995 responseStatus=200 OK token=glcvt-65
24 Downloading artifacts for build (6986426000)...
25 Downloading artifacts from coordinator... ok hostcdn.artifacts.gitlab-static.net id=6986426000 responseStatus=200 OK token=glcvt-65
26 Executing "stop_script" stage of the job script
27 Using docker image sha256:db741528e40aaa788f63f806236fd5b3f8edcd0508dedd06357f869bc0c37ea0 for maven:3.8.5-openjdk-17 with digest maven:sha256:6:3a9c30b3af6278a8ae0097d3a3bf80ff480ec3ed7ae4eb9bfa1772853101549b ...
28 $ pwd && mkdir -p ~/.ssh
29 /builds/rushikeshnj/java
30 $ echo "$SSH_PRIVATE_KEY" > ~/.ssh/id_rsa
31 $ chmod 600 ~/.ssh/id_rsa
32 $ ssh -o StrictHostKeyChecking=no -i ~/.ssh/id_rsa ubuntu@$INSTANCE_PUBLIC_IP "sudo docker pull $DOCKER_REGISTRY/$APP_NAME:latest"
33 Warning: Permanently added '180.25.149.203' (ECDSA) to the list of known hosts.
34 latest: Pulling from gitlab
35 Digest: sha256:1a0c809305995ac95ae4d1960822b0fa320efaac00dc52963d4ffc9fc714ec
36 Status: Image is up to date for 781365762844.dkr.ecr.us-east-1.amazonaws.com/gitlab:latest
37 781365762844.dkr.ecr.us-east-1.amazonaws.com/gitlab:latest
38 $ ssh -o StrictHostKeyChecking=no -i ~/.ssh/id_rsa ubuntu@$INSTANCE_PUBLIC_IP "sudo docker run -d -p 8085:8085 $DOCKER_REGISTRY/$APP_NAME:latest"
39 47b78ac11e2f133812989eed1b32841a14486b2f821cc72fff935c514a63879f
40 Cleaning up project directory and file based variables
41 Job succeeded

Duration: 11 seconds
Finished: 2 hours ago
Queued: 2 seconds
Timeout: 1h (from project)
Runner: #37387137 (F7KPy7pK) 172-31-58-192
Tags: myrunner
Commit 76081985
Update gitlab-ci.yml
Pipeline #1312935988 Passed
ain
deployonEc2instance
Related jobs
→ deployonEc2instance
```


Complete pipeline

Home - Cylistranet

rushikeshm / java / Pipelines

All 33 Finished Branches Tags
























































Clear runner caches CI lint Run pipeline

Filter pipelines

Show Pipeline ID

Status	Pipeline	Created by	Stages
<div>Passed</div> <div>00:05:26</div> <div>2 hours ago</div>	Update .gitlab-ci.yml #1312935998 main 76081985		<div>Download</div>
<div>Failed</div> <div>00:05:26</div> <div>2 hours ago</div>	Update .gitlab-ci.yml #1312913541 main 14adc8bd		<div>Refresh Download</div>
<div>Failed</div> <div>00:05:13</div> <div>2 hours ago</div>	Update .gitlab-ci.yml #1312905431 main 9bbc05d6		<div>Refresh Download</div>
<div>Failed</div> <div>00:05:04</div> <div>3 hours ago</div>	Update .gitlab-ci.yml #1312900634 main 41fe0c6f		<div>Refresh Download</div>
<div>Failed</div> <div>00:05:19</div> <div>4 hours ago</div>	Update .gitlab-ci.yml #1312811476 main 55af2575		<div>Refresh Download</div>
<div>Failed</div> <div>00:05:17</div> <div>4 hours ago</div>	Update .gitlab-ci.yml #1312805415 main a1b48aa4		<div>Refresh Download</div>

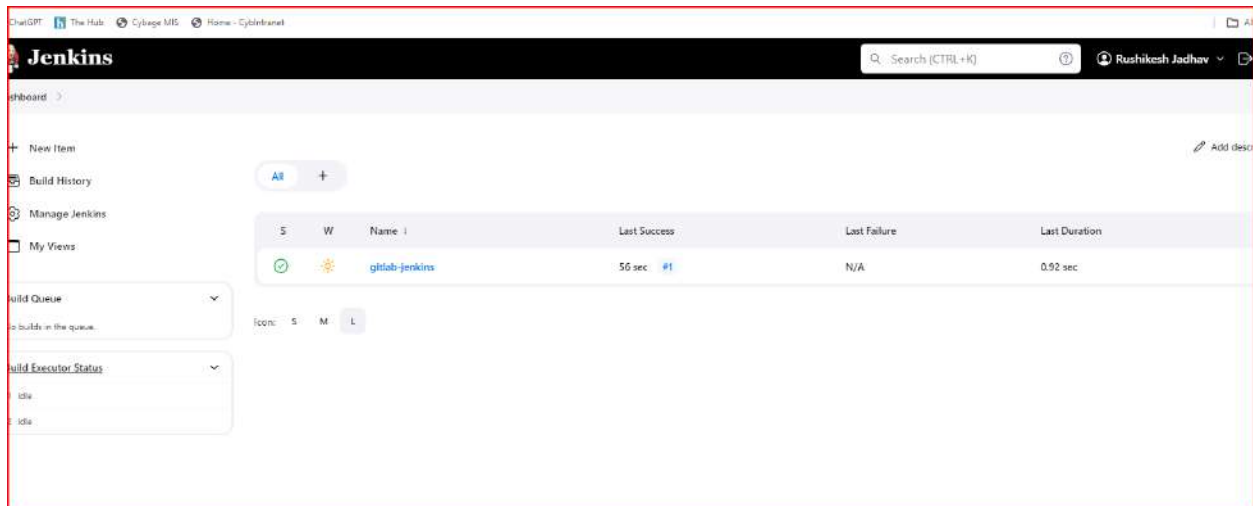
For above pipeline code we need to set variables in settings--CI/CD-- variables

Variable Name	Value	Scope	Actions
APP_NAME  Expanded	***** 	All (default) 	 
AWS_ACCESS_KEY_ID  Protected Expanded	***** 	All (default) 	 
AWS_DEFAULT_REGION  Expanded	***** 	All (default) 	 
AWS_SECRET_ACCESS_KEY  Expanded	***** 	All (default) 	 
DOCKER_IMAGE_TAG  Expanded	***** 	All (default) 	 
DOCKER_REGISTRY  Protected Expanded	***** 	All (default) 	 
ECR_REPOSITORY  Expanded	***** 	All (default) 	 
INSTANCE_PUBLIC_IP  Expanded	***** 	All (default) 	 
SONAR_HOST_URL  Expanded	***** 	All (default) 	 
SONAR_TOKEN  Protected Expanded	***** 	All (default) 	 
SSH_PRIVATE_KEY  Expanded	***** 	All (default) 	 

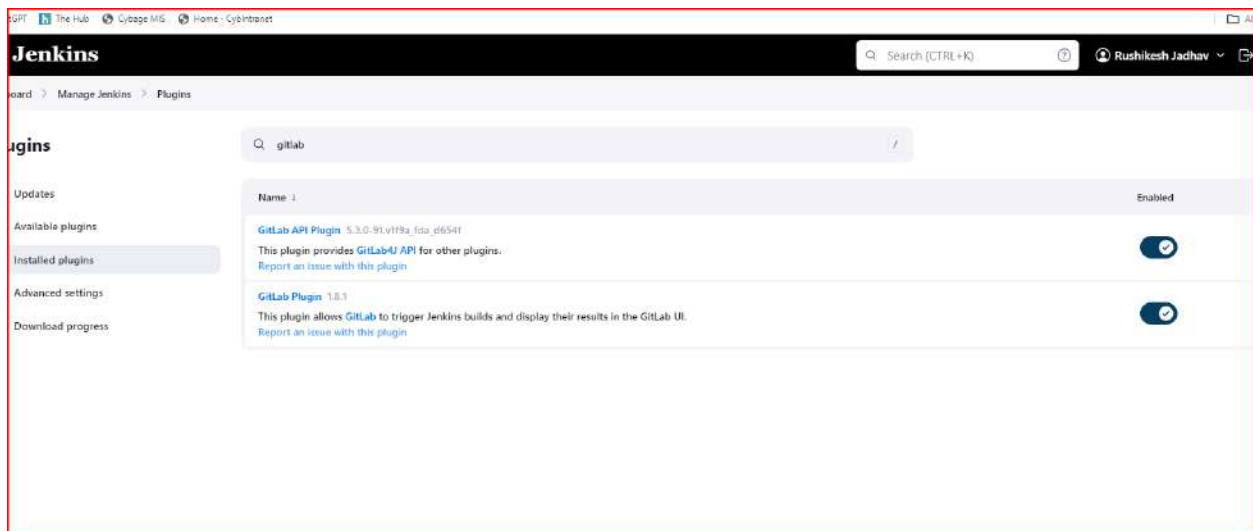
3. Integration of tools

Jenkins GitLab Integration using same GitLab Repo

Create Job



Download plugins of gitlab



Add Gitlab credentials

Not secure | 34.224.165.25/manage/configure

Dashboard > Manage Jenkins > System

☒ Enable authentication for 'project' end-point

GitLab connections

Connection name [?]
A name for the connection
gitlab

GitLab host URL [?]
The complete URL to the GitLab server (e.g. <http://gitlab.mydomain.com>)
<https://gitlab.com/>

Credentials [?]
API Token for accessing GitLab
GitLab API token (gitlab-jen) ^v

+ Add

Advanced ^v

Success Test Connection

Save Apply

We can see added credentials here

The Hub | Cytage MIS | Home - Cyltransnet

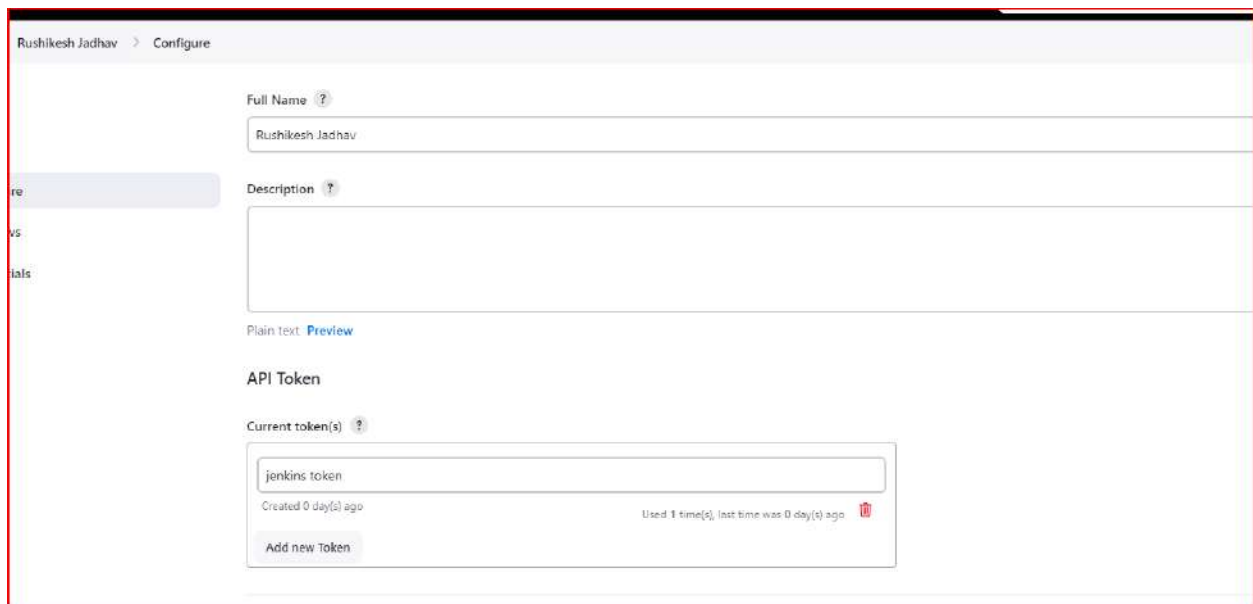
enkins Search (CTRL+K) Rushikesh Jadhav

d > Manage Jenkins > Credentials

Credentials

T	P	Store i	Domain	ID	Name
		System	(global)	cd1c4555-cc2f-49d8-ab99-ede3eaf3b2c3	GitLab API token (gitlab-jen)
		System	(global)	29ee8703-fb7c-46ad-a612-cdb1170e4f1	GitLab API token (gitlab-jenkins-int)

API Token from Jenkins to access webhook



Rushikesh Jadhav > Configure

Full Name ?
Rushikesh Jadhav

Description ?

Plain text [Preview](#)

API Token

Current token(s) ?

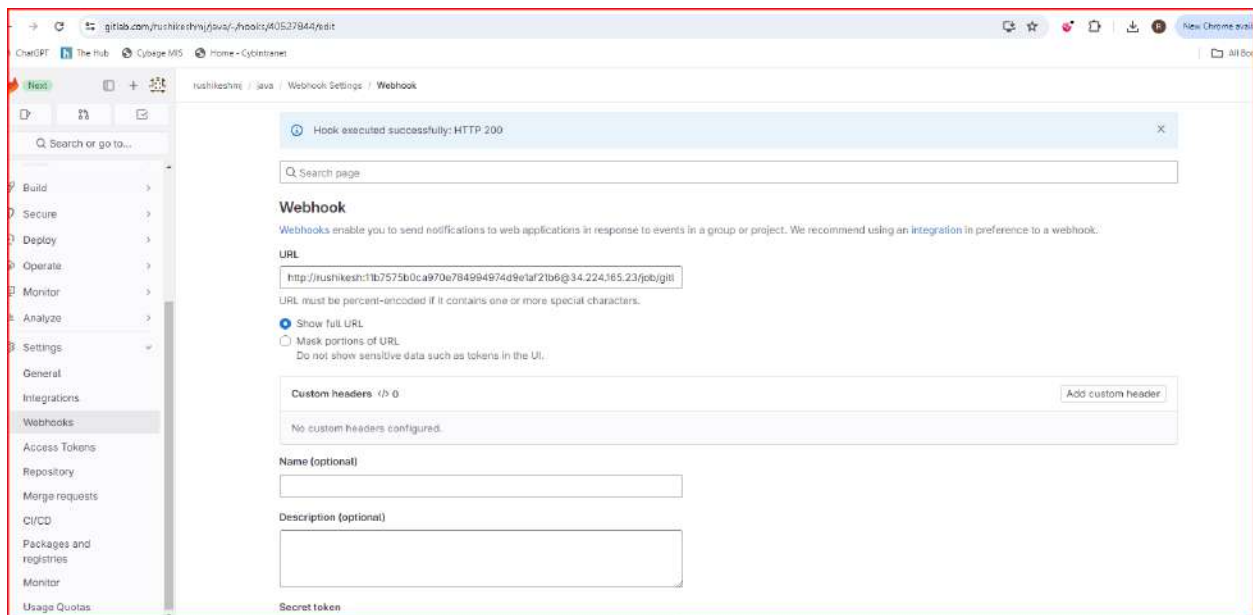
jenkins token

Created 0 day(s) ago

Used 1 time(s), last time was 0 day(s) ago

[Add new Token](#)

GitLab events trigger webhooks



gitlab.com/rushikeshjadhav/java/-/hooks/40527844/edit

Hook executed successfully: HTTP 200

Search page

Webhook

Webhooks enable you to send notifications to web applications in response to events in a group or project. We recommend using an [integration](#) in preference to a webhook.

URL

<http://rushikesh:1b7575b0ca970e7849e4974d9e7af21b6@34.224.165.23/job/gitlab/>

URL must be percent-encoded if it contains one or more special characters.

☒ Show full URL

☐ Mask portions of URL

Do not show sensitive data such as tokens in the UI.

Custom headers <0>

[Add custom header](#)

No custom headers configured.

Name (optional)

Description (optional)

Secret token

Console output

The screenshot shows the Jenkins web interface. The top navigation bar includes the Jenkins logo, a search bar, and the user name 'Rushikesh Jadhav'. The breadcrumb trail is 'Dashboard > gitlab-jenkins > #1 > Console Output'. On the left sidebar, the 'Console Output' tab is selected. The main area displays the console output for a build started by user 'Rushikesh Jadhav'. The output shows the build process for a Java project, including cloning a repository from GitLab, initializing the local repository, fetching upstream changes, and committing the build. The build finished successfully.

```
Started by user Rushikesh Jadhav
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/gitlab-jenkins
The recommended git tool is: NONE
Warning: CredentialId "747b4717-7255-49f9-9b44-efb9cbe9374c" could not be found.
Cloning the remote Git repository
Cloning repository https://gitlab.com/rushikeshj/java.git
> git init /var/jenkins_home/workspace/gitlab-jenkins # timeout=10
Fetching upstream changes from https://gitlab.com/rushikeshj/java.git
> git --version # timeout=10
> git --version # 'git version 2.39.2'
> git fetch --tags --force --progress -- https://gitlab.com/rushikeshj/java.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://gitlab.com/rushikeshj/java.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 70081905e4ade60c174500395462520b08e3dd01 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 70081905e4ade60c174500395462520b08e3dd01 # timeout=10
Commit message: "Update .gitlab-ci.yml"
First time build. Skipping changelog.
Finished: SUCCESS
```