

Github Actions

1. CI steps for GitHub Actions workflow which includes

I. Checkout code to repo

```
github.com/rushikeshmj/employee-management/blob/main/.github/workflows/deploy.yml
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employee-management / .github / workflows / deploy.yml
Code Blame 120 lines (96 loc) · 4.01 KB Code 55% faster with GitHub Copilot

6   branches:
7     - main
8
9   jobs:
10    build:
11      runs-on: ubuntu-latest
12
13    steps:
14      - name: Install MySQL client
15        run: sudo apt-get update && sudo apt-get install -y mysql-client
16      - name: Start MySQL Service
17        run: sudo systemctl start mysql
18      - name: Change MySQL Root Password
19        run: |
20          mysql -u root -proot -e "ALTER USER 'root'@'localhost' IDENTIFIED BY 'Cybage@123';"
21
22      - name: Grant Privileges to Root User
23        run: |
24          mysql -h localhost -u root -pCybage@123 -e "GRANT ALL PRIVILEGES ON *.* TO 'root'@'localhost' WITH GRANT OPTION;"
25      - name: Create Database
26        run: |
27          mysql -h localhost -u root -pCybage@123 -e "CREATE DATABASE employees;"
28      # Step 1: Checkout the repository code
29      - name: Checkout Code
30        uses: actions/checkout@v2
31        with:
32          fetch-depth: 0
33
```

```
github.com/rushikeshmj/employee-management/actions/runs/9157518726/job/25174025853
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Summary
Jobs
  build
  deploy
Run details
  Usage
Workflow file

build
succeeded 19 hours ago in 2m 35s
Search logs

> Set up job
> Install MySQL client
> Start MySQL Service
> Change MySQL Root Password
> Grant Privileges to Root User
> Create Database
> Checkout Code
  1 ▶ Run actions/checkout@v2
  12 Syncing repository: rushikeshmj/employee-management
  13 ▶ Getting Git version info
  17 Temporarily overriding HOME='/home/runner/work/_temp/181a64a9-222e-43e9-9496-8e1a8a891755' before making global git config changes
  18 Adding repository directory to the temporary git global config as a safe directory
  19 /usr/bin/git config --global --add safe.directory /home/runner/work/employee-management/employee-management
  20 Deleting the contents of '/home/runner/work/employee-management/employee-management'
  21 ▶ Initializing the repository
  35 ▶ Disabling automatic garbage collection
  37 ▶ Setting up auth.
  43 ▶ Fetching the repository
  427 ▶ Determining the checkout info
  428 ▶ Checking out the ref
  432 /usr/bin/git log -1 --format='%H'
  433 'be5e86364eba5e578beb4e8c36e4bdd18272440f'
```

II. unit testing & code coverage using jacoco

```
employee-management / .github / workflows / deploy.yml

Code Blame 120 lines (96 loc) · 4.01 KB Code55% faster with GitHub Copilot

36     uses: actions/setup-java@v2
37     with:
38       distribution: 'adopt'
39       java-version: '17'
40
41     # Step 4: Cache Maven dependencies
42     - name: Cache Maven dependencies
43       uses: actions/cache@v3
44       with:
45         path: ~/.m2
46         key: ${{ runner.os }}-maven-${{ hashFiles('**/pom.xml') }}
47         restore-keys: ${{ runner.os }}-maven
48
49     # Step 5: Build the project and run unit tests with JaCoCo for test coverage
50     - name: Build with Maven
51       run: mvn clean verify
52     - name: Generate JaCoCo report
53       run: mvn jacoco:report
54
55     - name: Archive JaCoCo report
56       uses: actions/upload-artifact@v2
57       with:
58         name: jacoco-report
59         path: target/site/jacoco
60
61     - name: check in file
62       run: |
63       ls /home/runner/work/employee-management/employee-management/target/site/jacoco/
64
```

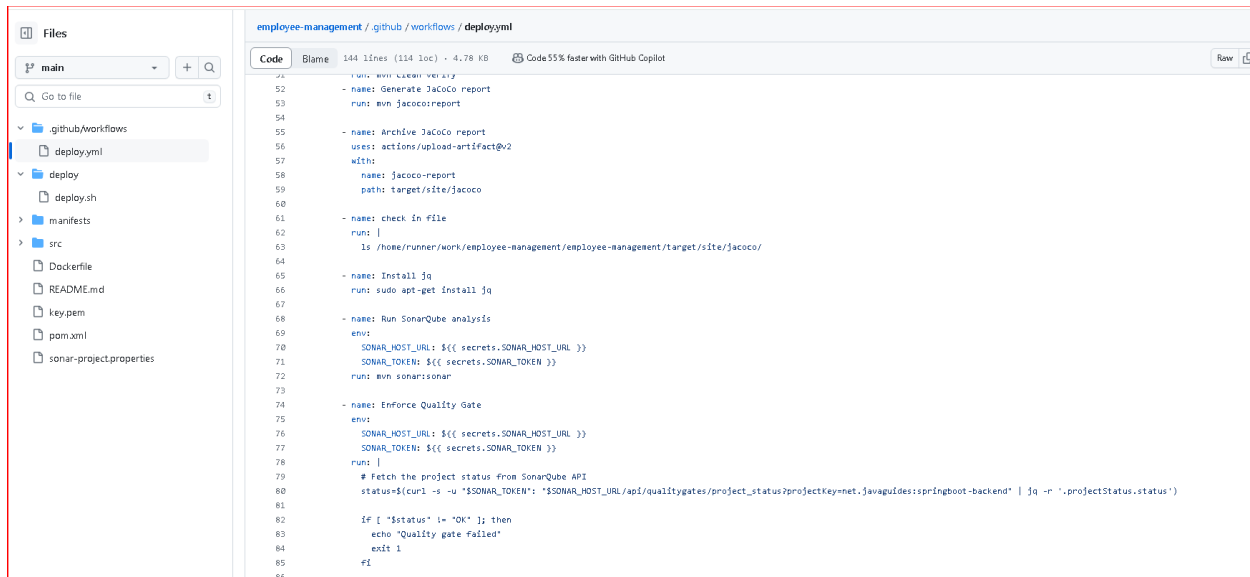
```
github.com/rushikeshmj/employee-management/actions/runs/9157518726/job/25174025853
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build
succeeded 18 hours ago in 2m 35s

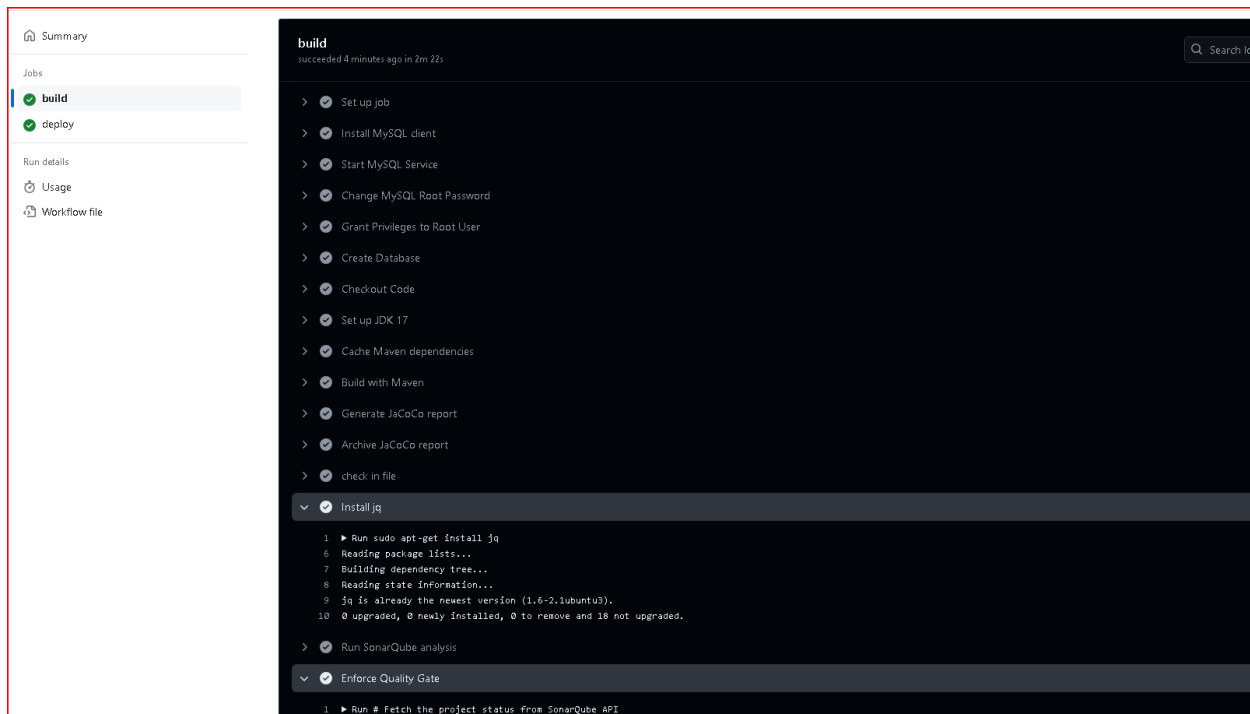
Generate JaCoCo report
1 ▶ Run mvn jacoco:report
2 [INFO] Scanning for projects...
3 [INFO]
4 [INFO] -----< net.javaguides.springboot-backend >-----
5 [INFO] Building springboot-backend 0.0.1-SNAPSHOT
6 [INFO] from pom.xml
7 [INFO] -----[ jar ]-----
8 [INFO] --- jacoco-maven-plugin:0.8.8:report (default-cli) @ springboot-backend ---
9 [INFO] Loading execution data file /home/runner/work/employee-management/employee-management/target/jacoco.exec
10 [INFO] Analyzed bundle 'springboot-backend' with 4 classes
11 [INFO] -----
12 [INFO] BUILD SUCCESS
13 [INFO] -----
14 [INFO] Total time: 0.809 s
15 [INFO] Finished at: 2024-05-20T10:47:37Z
16 [INFO] -----

Archive JaCoCo report
1 ▶ Run actions/upload-artifact@v2
2 With the provided path, there will be 40 files uploaded
3 Starting artifact upload
4 For more detailed logs during the artifact upload process, enable step-debugging: https://docs.github.com/actions/monitoring-and-troubleshooting-workflows/enabling-debug-logging#enabling-siten-debug-logging
5 Artifact name is valid
6 Container for artifact 'jacoco-report' successfully created. Starting upload of file(s)
7 Total size of all the files uploaded is 148147 bytes
8 File upload process has finished. Finalizing the artifact upload
9 Artifact has been finalized. All files have been successfully uploaded
10
11 The raw size of all the files that were specified for upload is 855852 bytes
12 The size of all the files that were uploaded is 148147 bytes. This takes into account any gzip compression used to reduce the upload size, time and storage
```

III. SCA using sonarqube along with quality gates



```
employee-management / github / workflows / deploy.yml
Code Blame 144 lines (114 loc) · 4.78 KB Code55% faster with GitHub Copilot Raw
24 run: mvn jacoco:report
52 - name: Generate JaCoCo report
53 run: mvn jacoco:report
54
55 - name: Archive JaCoCo report
56 uses: actions/upload-artifact@v2
57 with:
58   name: jacoco-report
59   path: target/site/jacoco
60
61 - name: check in file
62 run: |
63   ls /home/runner/work/employee-management/employee-management/target/site/jacoco/
64
65 - name: Install jq
66 run: sudo apt-get install jq
67
68 - name: Run SonarQube analysis
69 env:
70   SONAR_HOST_URL: ${ secrets.SONAR_HOST_URL }
71   SONAR_TOKEN: ${ secrets.SONAR_TOKEN }
72 run: mvn sonar:sonar
73
74 - name: Enforce Quality Gate
75 env:
76   SONAR_HOST_URL: ${ secrets.SONAR_HOST_URL }
77   SONAR_TOKEN: ${ secrets.SONAR_TOKEN }
78 run: |
79   # Fetch the project status from SonarQube API
80   status=$(curl -s -u "$SONAR_TOKEN": "$SONAR_HOST_URL/api/qualitygates/project_status?projectKey=net.javaguides.springboot-backend" | jq -r '.projectStatus.status')
81
82   if [ "$status" != "OK" ]; then
83     echo "Quality gate failed"
84     exit 1
85   fi
86
```



Summary

Jobs

- build
- deploy

Run details

- Usage
- Workflow file

build

succeeded 4 minutes ago in 2m 22s

- Set up job
- Install MySQL client
- Start MySQL Service
- Change MySQL Root Password
- Grant Privileges to Root User
- Create Database
- Checkout Code
- Set up JDK 17
- Cache Maven dependencies
- Build with Maven
- Generate JaCoCo report
- Archive JaCoCo report
- check in file
- Install jq
 - Run sudo apt-get install jq
 - Reading package lists...
 - Building dependency tree...
 - Reading state information...
 - jq is already the newest version (1.6-2.1ubuntu3).
 - 0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
- Run SonarQube analysis
- Enforce Quality Gate
 - Run # Fetch the project status from SonarQube API

IV. Build and package JAR

```
employee-management / .github / workflows / deploy.yml

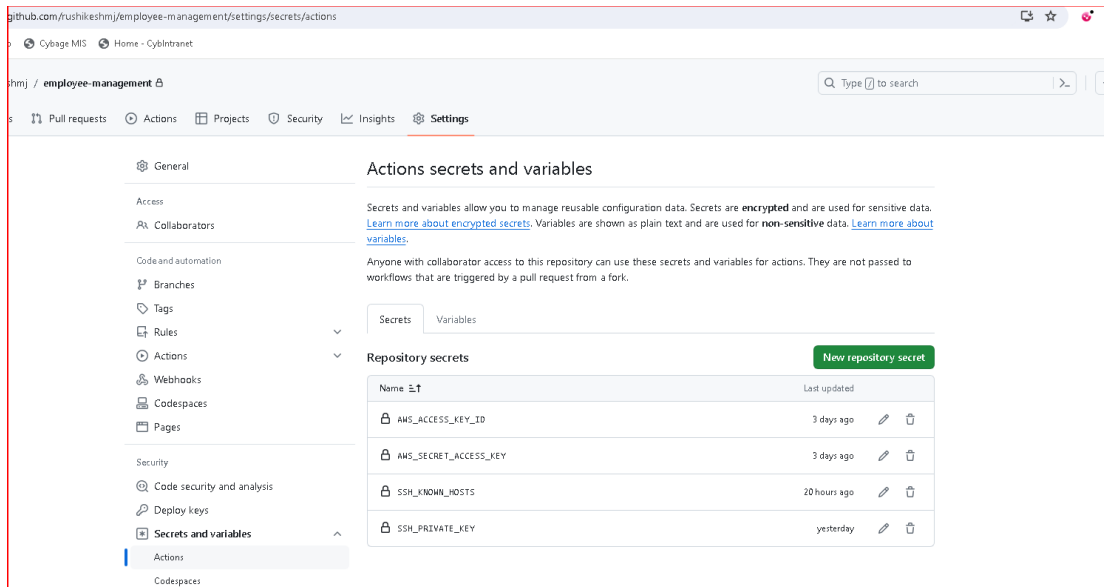
Code Blame 120 lines (96 loc) · 4.01 KB Code 55% faster with GitHub Copilot

51      run: mvn clean verify
52      - name: Generate JaCoCo report
53      run: mvn jacoco:report
54
55      - name: Archive JaCoCo report
56      uses: actions/upload-artifact@v2
57      with:
58        name: jacoco-report
59        path: target/site/jacoco/
60
61      - name: check in file
62      run: |
63        ls /home/runner/work/employee-management/employee-management/target/site/jacoco/
64
65      - name: Build and package JAR
66      run: mvn clean package
67
```

```
build
succeeded 18 hours ago in 2m 35s

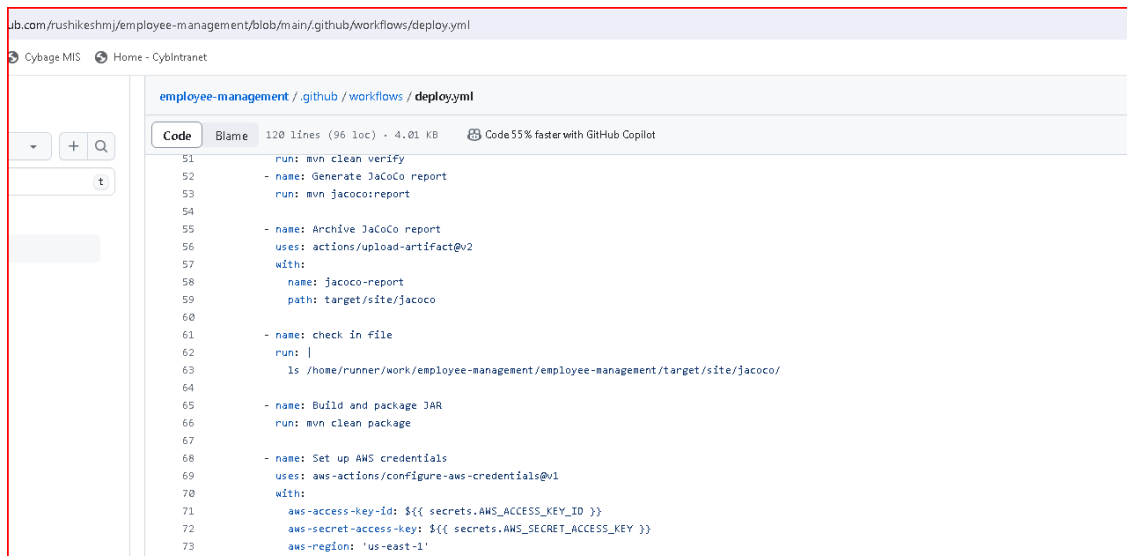
Build and package JAR
2024-05-20T10:47:58.777Z INFO 2562 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2024-05-20T10:47:59.452Z WARN 2562 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be per
during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2024-05-20T10:48:00.002Z INFO 2562 --- [main] n.j.s.SpringbootBackendApplicationTests : Started SpringbootBackendApplicationTests in 6.16 seconds (process running for 9.753)
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 6.962 s - in net.javaguides.springboot.SpringbootBackendApplicationTests
[INFO] Running net.javaguides.springboot.model.EmployeeTest
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.004 s - in net.javaguides.springboot.model.EmployeeTest
2024-05-20T10:48:00.271Z INFO 2562 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for persistence unit 'default'
2024-05-20T10:48:00.273Z INFO 2562 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown initiated...
2024-05-20T10:48:00.282Z INFO 2562 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown completed.
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 12, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- jacoco-maven-plugin:0.8.8:report (report) @ springboot-backend ---
[INFO] loading execution data file /home/runner/work/employee-management/employee-management/target/jacoco.exec
[INFO] Analyzed bundle 'springboot-backend' with 4 classes
[INFO]
[INFO] --- maven-jar-plugin:3.3.0:jar (default-jar) @ springboot-backend ---
[INFO] Building jar: /home/runner/work/employee-management/employee-management/target/springboot-backend-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot-maven-plugin:3.0.4:repackage (repackage) @ springboot-backend ---
[INFO] Replacing main artifact with repackaged archive
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 15.163 s
[INFO] Finished at: 2024-05-20T10:48:01Z
[INFO] -----
```

V. Configuration of AWS



The screenshot shows the GitHub Actions 'Secrets and variables' page for the repository 'employee-management'. The left sidebar contains a navigation menu with options like General, Access, Collaborators, Code and automation, Branches, Tags, Rules, Actions, Webhooks, Codespaces, Pages, Security, Code security and analysis, Deploy keys, and Secrets and variables. The main content area is titled 'Actions secrets and variables' and includes a 'New repository secret' button. Below this, there is a table of repository secrets:

Name	Last updated
AMS_ACCESS_KEY_ID	3 days ago
AMS_SECRET_ACCESS_KEY	3 days ago
SSH_KNOWN_HOSTS	20 hours ago
SSH_PRIVATE_KEY	yesterday



The screenshot shows the GitHub Actions workflow file 'deploy.yml' for the repository 'employee-management'. The file is 120 lines long, 96 loc, and 4.01 KB. It contains the following steps:

```
51 run: mvn clean verify
52 - name: Generate JaCoCo report
53 run: mvn jacoco:report
54
55 - name: Archive JaCoCo report
56 uses: actions/upload-artifact@v2
57 with:
58   name: jacoco-report
59   path: target/site/jacoco
60
61 - name: check in file
62 run: |
63   ls /home/runner/work/employee-management/employee-management/target/site/jacoco/
64
65 - name: Build and package JAR
66 run: mvn clean package
67
68 - name: Set up AWS credentials
69 uses: aws-actions/configure-aws-credentials@v1
70 with:
71   aws-access-key-id: ${ secrets.AWS_ACCESS_KEY_ID }
72   aws-secret-access-key: ${ secrets.AWS_SECRET_ACCESS_KEY }
73   aws-region: 'us-east-1'
```



The screenshot shows the GitHub Actions workflow run log for the 'build' workflow. The workflow succeeded 18 hours ago in 2m 35s. The log shows the following steps:

- Archive JaCoCo report
- check in file
- Build and package JAR
- Set up AWS credentials

The log also shows the command 'Run aws-actions/configure-aws-credentials@v1' and a warning message: 'Warning: The 'set-output' command is deprecated and will be disabled soon. Please upgrade to using Environment Files. For more information see: https://github.com/actions-deprecating-save-state-and-set-output-commands/'.

VI. login to ECR

```
employee-management / .github / workflows / deploy.yml

Code Blame 120 lines (96 loc) · 4.01 KB Code 55% faster with GitHub Copilot

56     uses: actions/upload-artifact@v2
57     with:
58       name: jacoco-report
59       path: target/site/jacoco
60
61   - name: check in file
62     run: |
63       ls /home/runner/work/employee-management/employee-management/target/site/jacoco/
64
65   - name: Build and package JAR
66     run: mvn clean package
67
68   - name: Set up AWS credentials
69     uses: aws-actions/configure-aws-credentials@v1
70     with:
71       aws-access-key-id: ${ secrets.AWS_ACCESS_KEY_ID }
72       aws-secret-access-key: ${ secrets.AWS_SECRET_ACCESS_KEY }
73       aws-region: 'us-east-1'
74
75   - name: Login to Amazon ECR
76     id: login-ecr
77     uses: aws-actions/amazon-ecr-login@v1
78   - name: Build Docker image
79     run: docker build -t githubaction-poc .
80
```

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build
succeeded 18 hours ago in 2m 35s

Search logs

> ☒ Checkout Code

> ☒ Set up JDK 17

> ☒ Cache Maven dependencies

> ☒ Build with Maven

> ☒ Generate JaCoCo report

> ☒ Archive JaCoCo report

> ☒ check in file

> ☒ Build and package JAR

> ☒ Set up AWS credentials

☒ Login to Amazon ECR

1 ▶ Run `aws-actions/amazon-ecr-login@v1`

12 **Warning:** Your docker password is not masked. See <https://github.com/aws-actions/amazon-ecr-login#docker-credentials> for more information.

13 Logging into registry ***.dkr.ecr.us-east-1.amazonaws.com

VII. Build & tag Docker image

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employee-management / .github / workflows / deploy.yml

Code Blame 120 lines (96 loc) · 4.01 KB Code 55% faster with GitHub Copilot

```
66 run: mvn clean package
67
68 - name: Set up AWS credentials
69 uses: aws-actions/configure-aws-credentials@v1
70 with:
71   aws-access-key-id: ${ secrets.AWS_ACCESS_KEY_ID }
72   aws-secret-access-key: ${ secrets.AWS_SECRET_ACCESS_KEY }
73   aws-region: 'us-east-1'
74
75 - name: Login to Amazon ECR
76 id: login-ecr
77 uses: aws-actions/amazon-ecr-login@v1
78 - name: Build Docker image
79 run: docker build -t githubaction-poc .
80
81 - name: Tag Docker image
82 run: |
83   docker tag githubaction-poc:latest 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
84
```

github.com/rushikeshmj/employee-management/actions/runs/9157518726/job/25174025853

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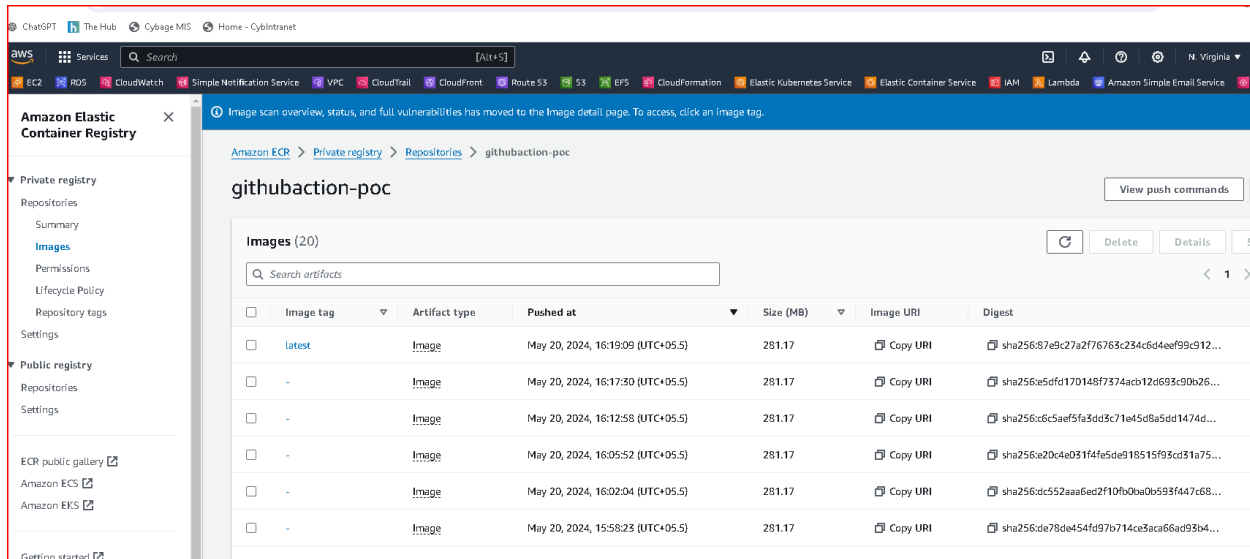
build
succeeded 18 hours ago in 2m 35s

Build Docker image

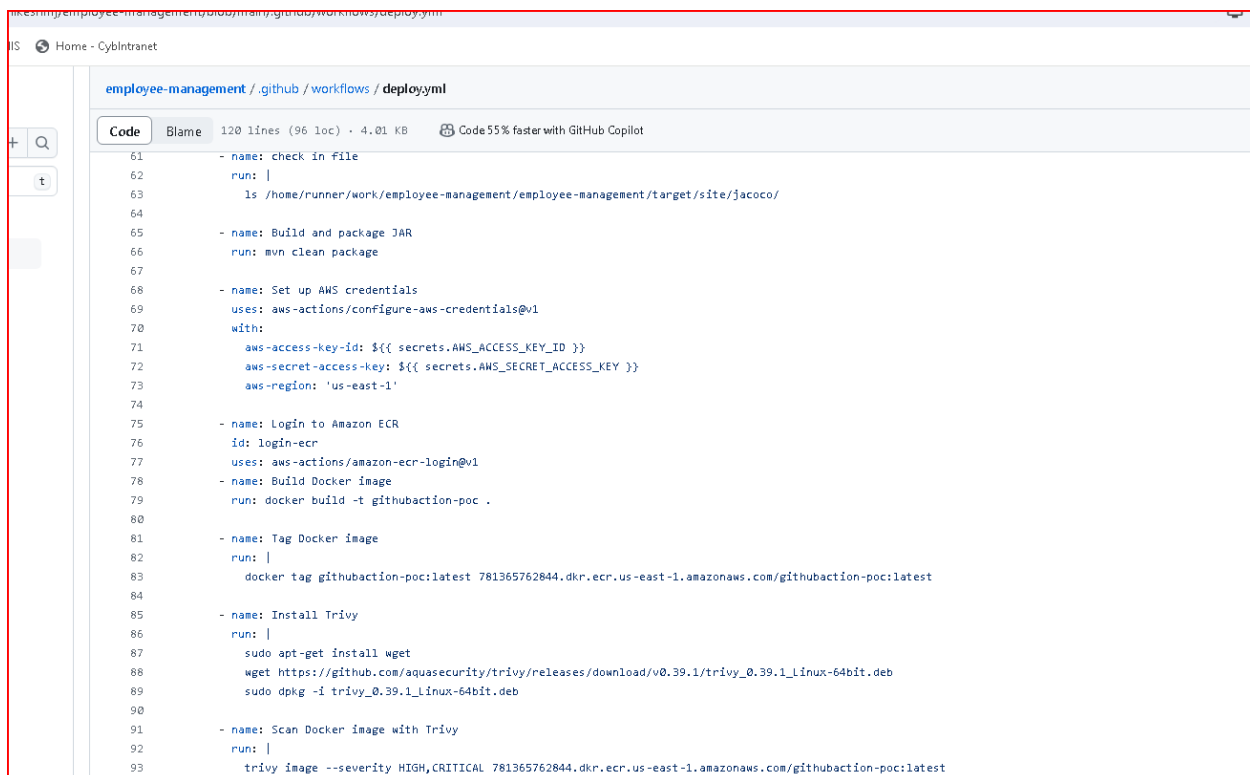
```
56 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 95.54MB / 187.53MB 1.2s
57 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 106.95MB / 187.53MB 1.3s
58 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 117.22MB / 187.53MB 1.4s
59 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 133.17MB / 187.53MB 1.6s
60 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 144.70MB / 187.53MB 1.7s
61 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 156.24MB / 187.53MB 1.8s
62 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 167.77MB / 187.53MB 1.9s
63 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 183.50MB / 187.53MB 2.0s
64 #5 sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 187.53MB / 187.53MB 2.7s done
65 #5 extracting sha256:38a980f2cc8accf9c23deae6743d42a87eb34a54f02396f3fcfd7c2d08e2c5b 2.5s done
66 #5 extracting sha256:de849f1cfbe0b1c06a1db83a3129ab0ea397c4852b98e3e4300b12ee57ba111 0.1s
67 #5 extracting sha256:de849f1cfbe0b1c06a1db83a3129ab0ea397c4852b98e3e4300b12ee57ba111 0.4s done
68 #5 extracting sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f
69 #5 extracting sha256:a7203ca35e75e068651c9907d659adc721dba823441b78639fde66fc988f042f 2.5s done
70 #5 DONE 8.5s
71
72 #7 [2/2] COPY target/springboot-backend-0.0.1-SNAPSHOT.jar /app.jar
73 #7 DONE 0.2s
74
75 #8 exporting to image
76 #8 exporting layers
77 #8 exporting layers 0.6s done
78 #8 writing image sha256:cc8e84ab8bd591d1283ff8da58f7c9cb7fb7d2b248d08801840bbd852c6eab2 done
79 #8 naming to docker.io/library/githubaction-poc done
80 #8 DONE 0.6s
```

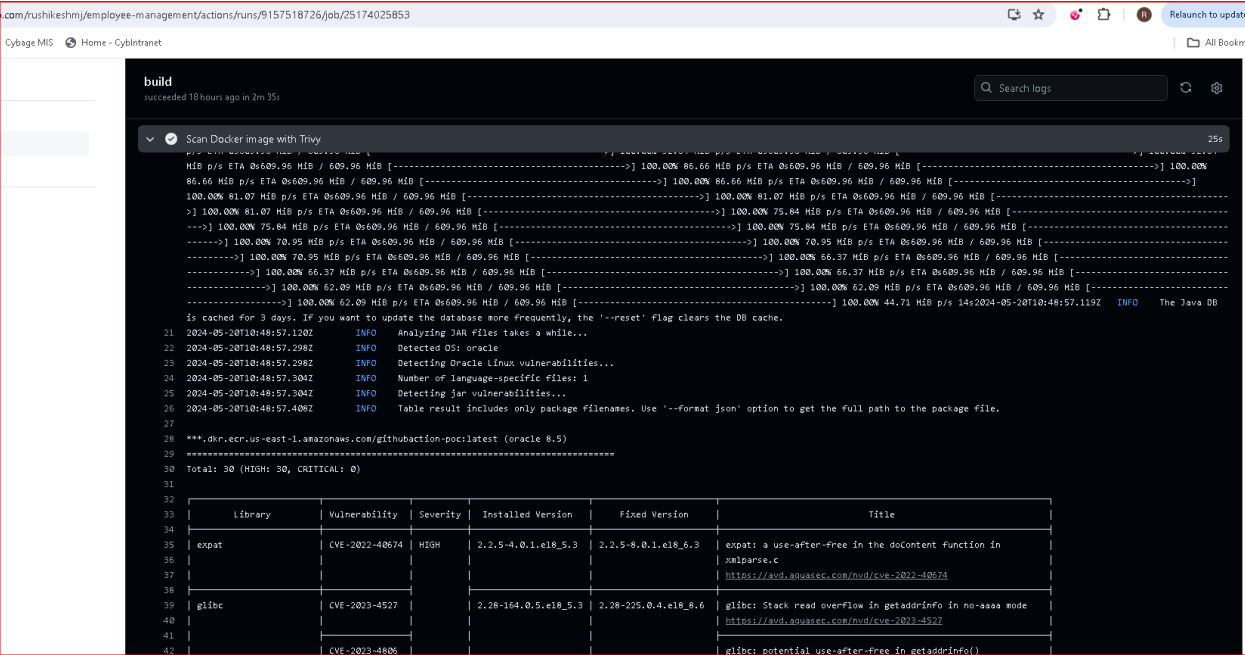
Tag Docker image

```
1 ▶ Run docker tag githubaction-poc:latest ***.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
```

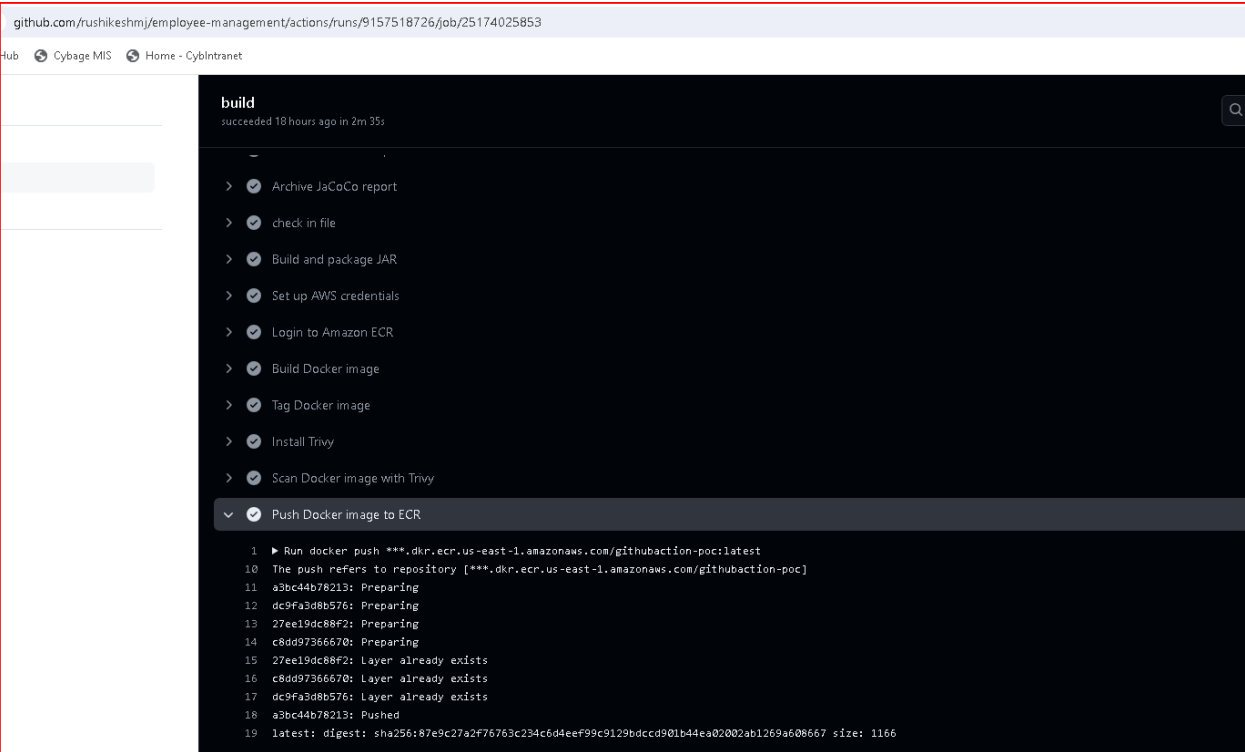


VIII. Scan the image using CI tool (Trivy)





IX. Push image to ECR



```
rushikeshmj/employee-management/blob/main/.github/workflows/deploy.yml
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employee-management /.github /workflows /deploy.yml
Code Blame 120 lines (96 loc) · 4.01 KB Code 55% faster with GitHub Copilot

66 run: mvn clean package
67
68 - name: Set up AWS credentials
69 uses: aws-actions/configure-aws-credentials@v1
70 with:
71   aws-access-key-id: ${ secrets.AWS_ACCESS_KEY_ID }
72   aws-secret-access-key: ${ secrets.AWS_SECRET_ACCESS_KEY }
73   aws-region: 'us-east-1'
74
75 - name: Login to Amazon ECR
76 id: login-ecr
77 uses: aws-actions/amazon-ecr-login@v1
78 - name: Build Docker image
79 run: docker build -t githubaction-poc .
80
81 - name: Tag Docker image
82 run: |
83   docker tag githubaction-poc:latest 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
84
85 - name: Install Trivy
86 run: |
87   sudo apt-get install wget
88   wget https://github.com/aquasecurity/trivy/releases/download/v0.39.1/trivy_0.39.1_Linux-64bit.deb
89   sudo dpkg -i trivy_0.39.1_Linux-64bit.deb
90
91 - name: Scan Docker image with Trivy
92 run: |
93   trivy image --severity HIGH,CRITICAL 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
94
95 - name: Push Docker image to ECR
96 run: |
97   docker push 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
98
```

2. CD step

I. Deploy application on EC2 using SSH with key-value

The screenshot displays the AWS Management Console interface. At the top, there's a search bar and navigation tabs for various AWS services. The 'Instances' section is active, showing a list of instances. One instance, named 'githubaction' with ID 'i-0e6d9612867bfbf5', is highlighted. Below the list, the details for this instance are shown, including its state (Running), type (t2.micro), and various addresses (Public IPv4, Private IPv4, etc.).

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
githubaction	i-0e6d9612867bfbf5	Running	t2.micro	2/2 checks passed	View alarms	us-east-1e	-	54.237.60.171

i-0e6d9612867bfbf5 (githubaction)

Details | Status and alarms **New** | Monitoring | Security | Networking | Storage | Tags

Instance summary Info

Instance ID i-0e6d9612867bfbf5 (githubaction)	Public IPv4 address 54.237.60.171 open address	Private IPv4 addresses 10.0.1.232
IPv6 address -	Instance state Running	Public IPv4 DNS -
Hostname type IP name: ip-10-0-1-232.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-1-232.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 54.237.60.171 [Public IP]	VPC ID vpc-0abe075cf83074f9a (my-vpc)	

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Files

main

Go to file

- .github/workflows
 - deploy.yml
- deploy
- manifests
- src
 - Dockerfile
 - README.md
 - key.pem
 - pom.xml

employee-management / .github / workflows / deploy.yml

Code Blame 120 lines (96 loc) · 4.01 KB Code 55% faster with GitHub Copilot

```
89     sudo dpkg -i trivy_0.39.1_linux-64bit.deb
90
91     - name: Scan Docker image with Trivy
92       run: |
93         trivy image --severity HIGH,CRITICAL 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
94
95     - name: Push Docker image to ECR
96       run: |
97         docker push 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
98
99     deploy:
100       runs-on: ubuntu-latest
101       needs: build
102
103     steps:
104     - name: Set up SSH
105       run: echo "$SSH_PRIVATE_KEY" > ~/key.pem
106       env:
107         SSH_PRIVATE_KEY: ${ secrets.SSH_PRIVATE_KEY }
108
109     - name: Set permissions for key.pem
110       run: chmod 400 ~/key.pem
111
```

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Files

main

Go to file

- .github/workflows
 - deploy.yml
- deploy
 - deploy.sh
- manifests
- src
 - Dockerfile
 - README.md
 - key.pem
 - pom.xml

employee-management / deploy / deploy.sh

rushikeshmj Update deploy.sh ✓

Code Blame 7 lines (4 loc) · 317 Bytes Code 55% faster with GitHub Copilot

```
1 #!/bin/bash
2
3 aws ecr get-login-password --region us-east-1 | docker login --username AWS --password-stdin 781365762844.dkr.ecr.us-east-1.amazonaws.com
4
5 docker rm -f 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
6
7 docker pull 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
```

github.com/rushikeshmj/employee-management/blob/main/github/workflows/deploy.yml

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employee-management / github / workflows / deploy.yml

CodeBlame120 lines (96 loc) · 4.01 KBCode 55% faster with GitHub CopilotRawCopyDownloadEditTop

86run: |
87 sudo apt-get install wget
88 wget https://github.com/agasecurity/trivy/releases/download/v0.39.1/trivy_0.39.1_linux-64bit.deb
89 sudo dpkg -i trivy_0.39.1_linux-64bit.deb
90
91 - name: Scan Docker Image with Trivy
92 run: |
93 trivy image --severity HIGH,CRITICAL 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
94
95 - name: Push Docker Image to ECR
96 run: |
97 docker push 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
98
99 deploy:
100 runs-on: ubuntu-latest
101 needs: build
102
103 steps:
104 - name: Set up SSH
105 run: echo "\${SSH_PRIVATE_KEY}" > ~/.key.pem
106 env:
107 SSH_PRIVATE_KEY: \${ secrets.SSH_PRIVATE_KEY }
108
109 - name: Set permissions for key.pem
110 run: chmod 400 ~/.key.pem
111
112 - name: Deploy to EC2
113 run: |
114 ssh -i ~/.key.pem -o StrictHostKeyChecking=no ec2-user@54.237.60.171 'rm -rf ~/employee*'
115 ssh -i ~/.key.pem -o StrictHostKeyChecking=no ec2-user@54.237.60.171 'git clone https://rushikeshmj:github_pat_11B3QSN7YQLE4Aud1h6xo_iwuupR3XbWfHa8N0Cr79P0GkvodopsNmRpNDiJ88k8Z5V7RANWu3JTt3D08@github.com:rushikeshmj/employee-management.git'
116 ssh -i ~/.key.pem -o StrictHostKeyChecking=no ec2-user@54.237.60.171 'sudo chmod +x ~/employee-management/deploy/deploy.sh'
117 ssh -i ~/.key.pem -o StrictHostKeyChecking=no ec2-user@54.237.60.171 'sh ~/employee-management/deploy/deploy.sh'
118

← → ↺ github.com/rushikeshmj/employee-management/actions/runs/5157518726/job/25174116841

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SummaryJobsRun detailsUsageWorkflow file

Jobs

- build
- deploy

Run detailsUsageWorkflow file

deploy
succeeded 19 hours ago in 19s

Deploy to EC2

17 Untagged: 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
18 Untagged: 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc@sha256:e50fd170140f7374acb12693c90b26f5fe53e19061db989f0653f49c004c4c7
19 Deleted: sha256:dbcb16986be9a2b3f4b16ead041764ebd72cb3e26b14a5c72e9881a27c6b3ac
20 Deleted: sha256:ae1f96b0bc1f038934c80fc9c6ac1f4138a78871fab06d5c59913f12b2cf
21 Deleted: sha256:82170af5a5eb44789f9ec864eece55f2bae3075e3a6d93731d12a0229808b
22 Deleted: sha256:908cf23a2869f5417dc74b6d95c384466d080d4c5d13667a45642cae72a40965
23 Deleted: sha256:1c8d697366670ed499781572c321fb87ef4f9287308536563a8f1e3fd39ff2166
24 latest: Pulling from githubaction-poc
25 38a980f2cc8a: Pulling fs layer
26 de849f1cfbe6: Pulling fs layer
27 a7203ca35e75: Pulling fs layer
28 47b697720641: Pulling fs layer
29 47b697720641: Waiting
30 de849f1cfbe6: Verifying Checksum
31 de849f1cfbe6: Download complete
32 38a980f2cc8a: Verifying Checksum
33 38a980f2cc8a: Download complete
34 47b697720641: Verifying Checksum
35 47b697720641: Download complete
36 a7203ca35e75: Verifying Checksum
37 a7203ca35e75: Download complete
38 38a980f2cc8a: Pull complete
39 de849f1cfbe6: Pull complete
40 a7203ca35e75: Pull complete
41 47b697720641: Pull complete
42 Digest: sha256:87e9c27a2f76763c234c6d4ee999c9129bdcc901b44ea02007ab1269a608667
43 Status: Downloaded newer image for 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest
44 781365762844.dkr.ecr.us-east-1.amazonaws.com/githubaction-poc:latest

Complete job