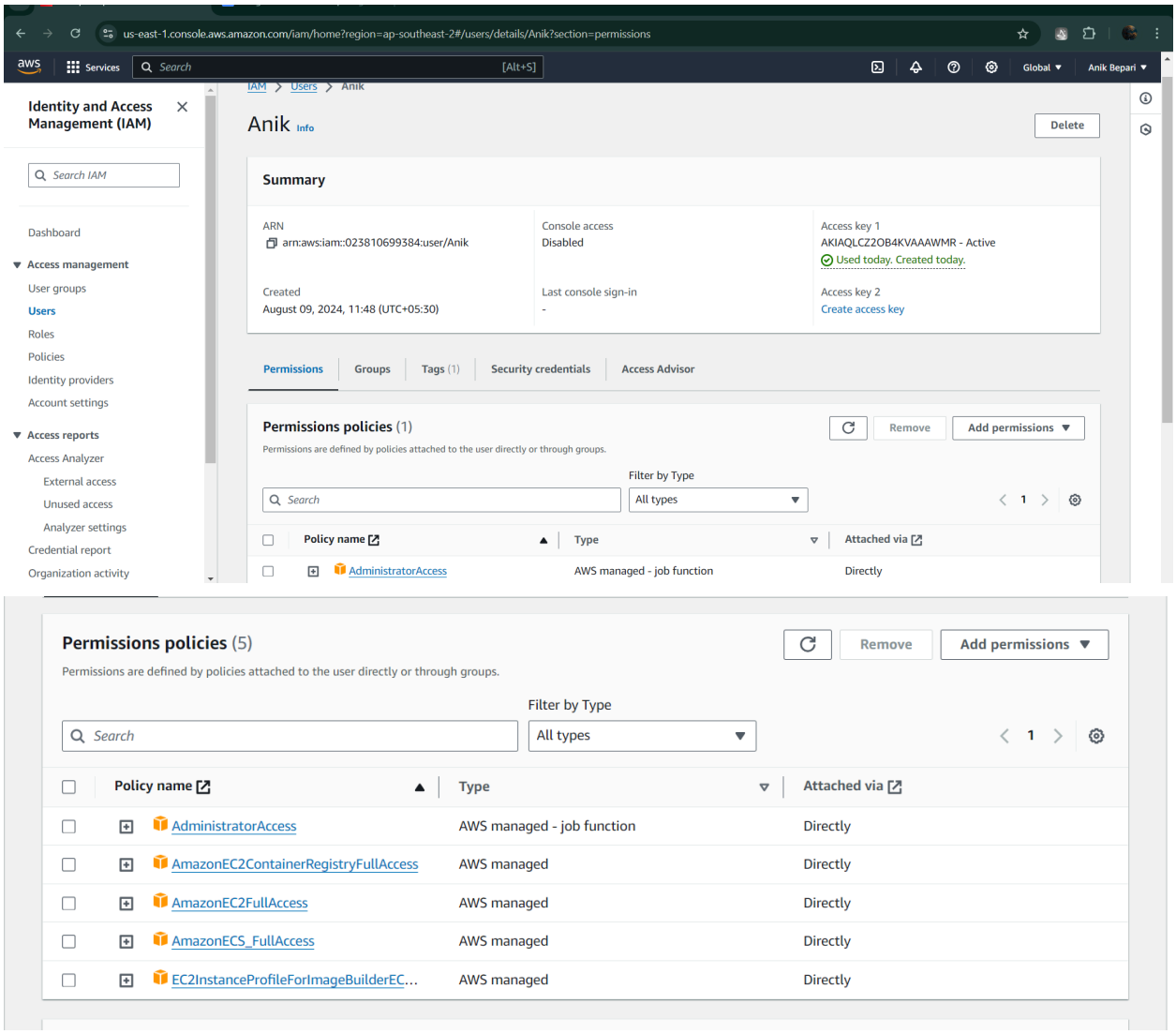
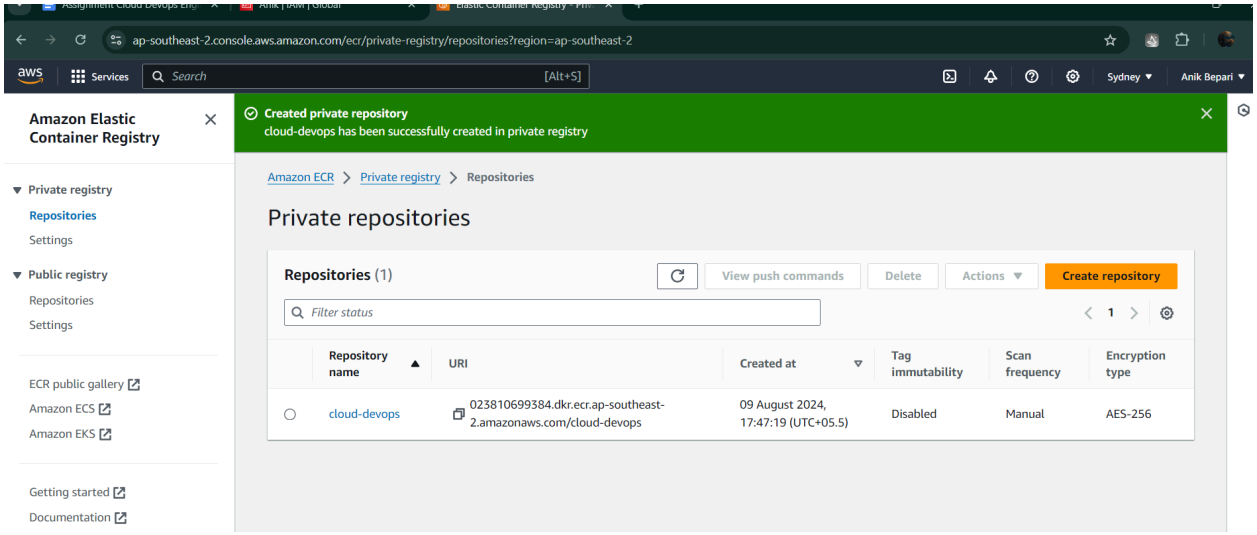
Snapshot of cloud devops - Assignment

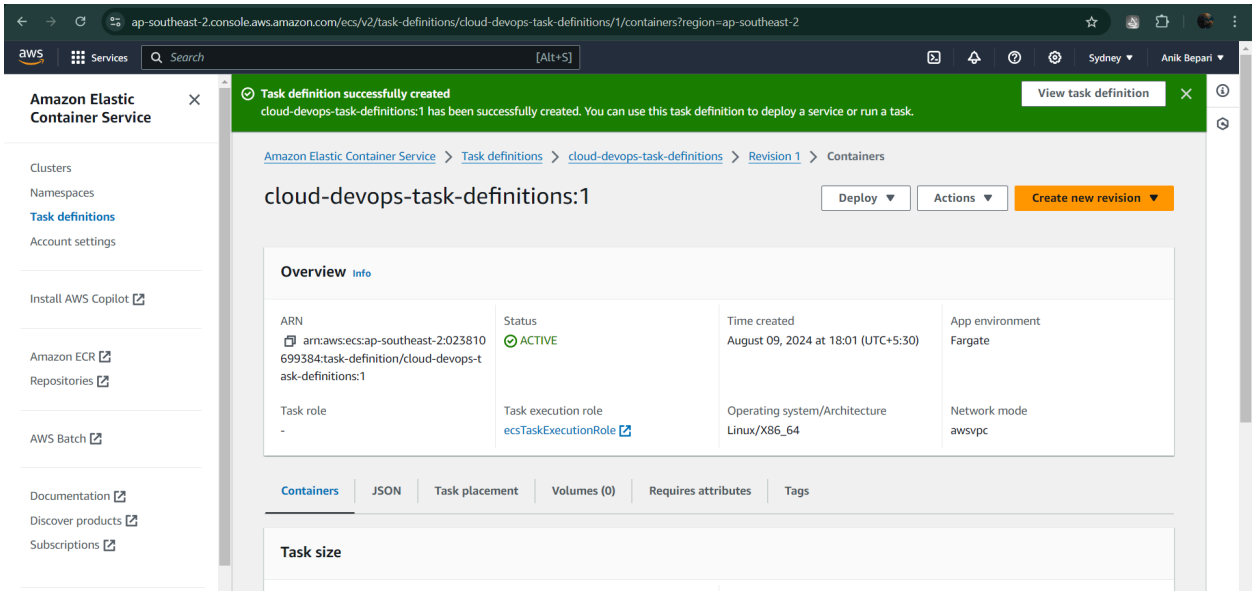
Iam User



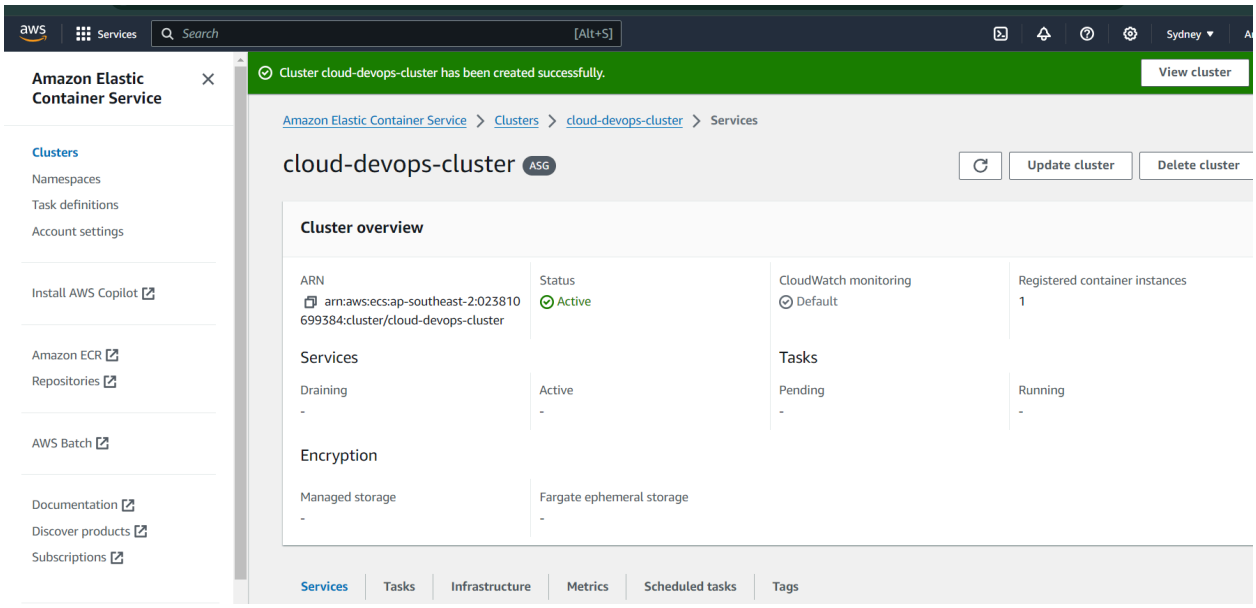
ECR

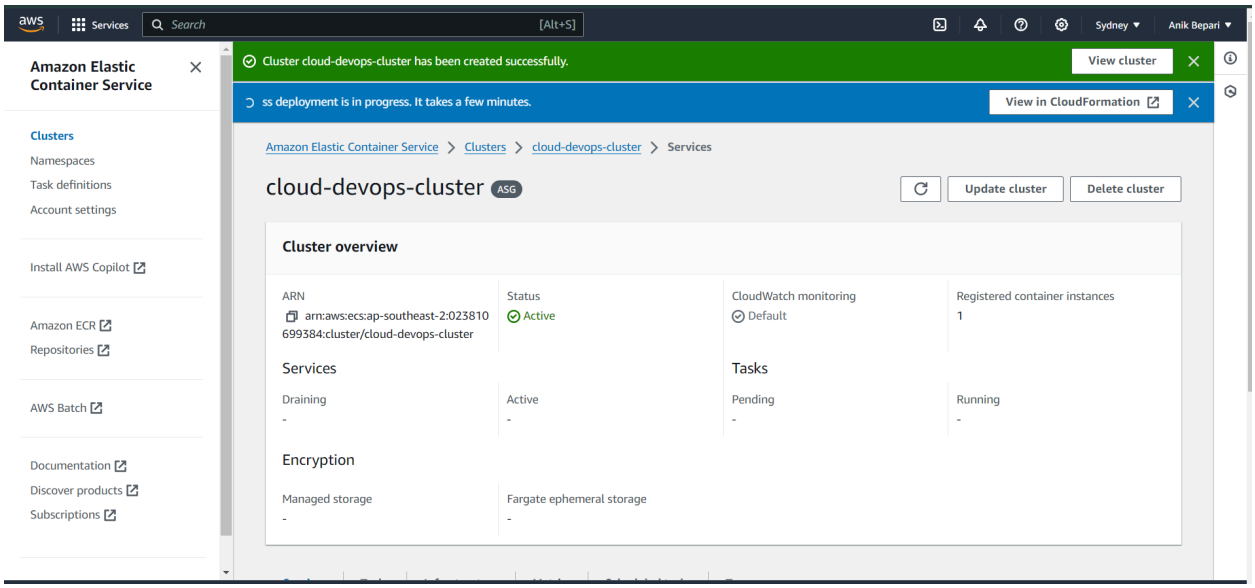


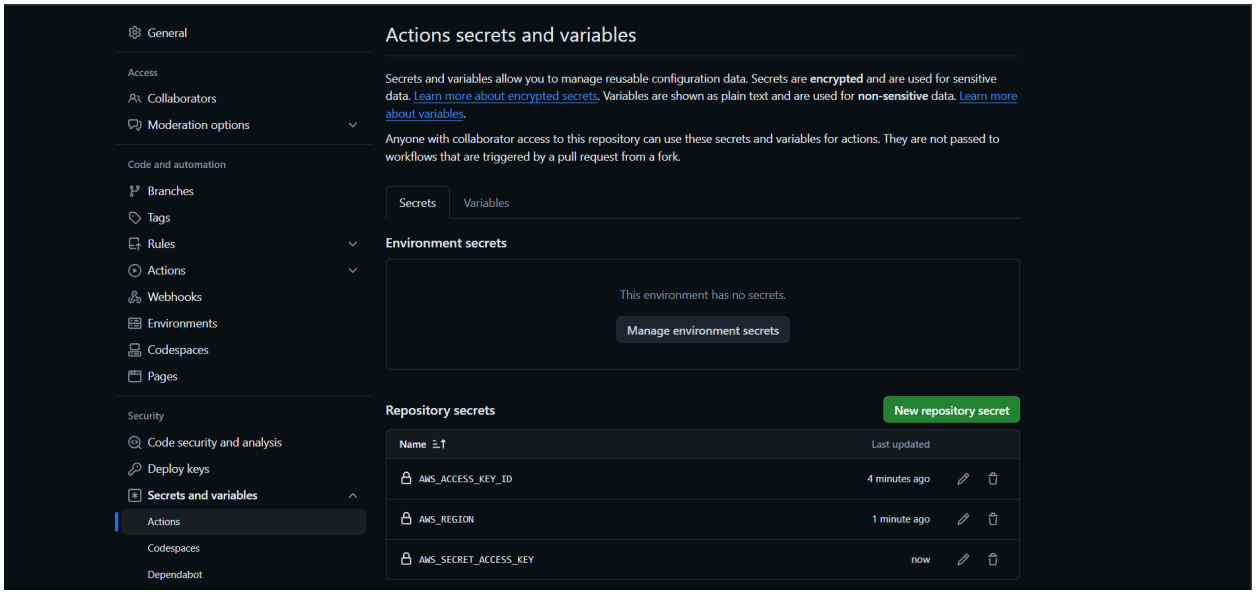
Created ECS task definition

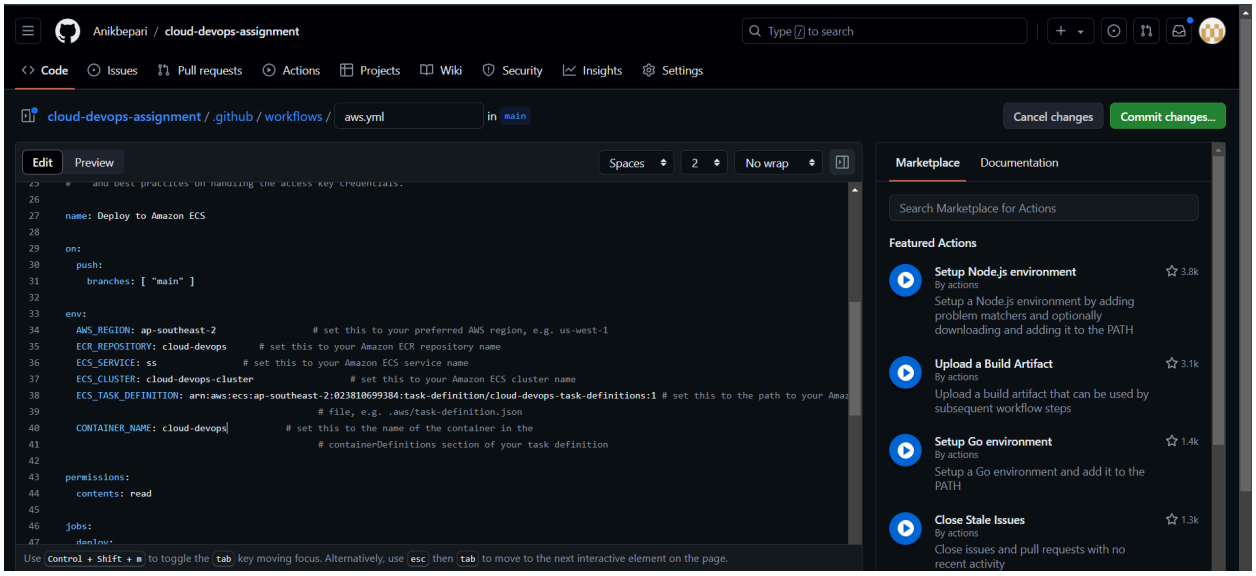


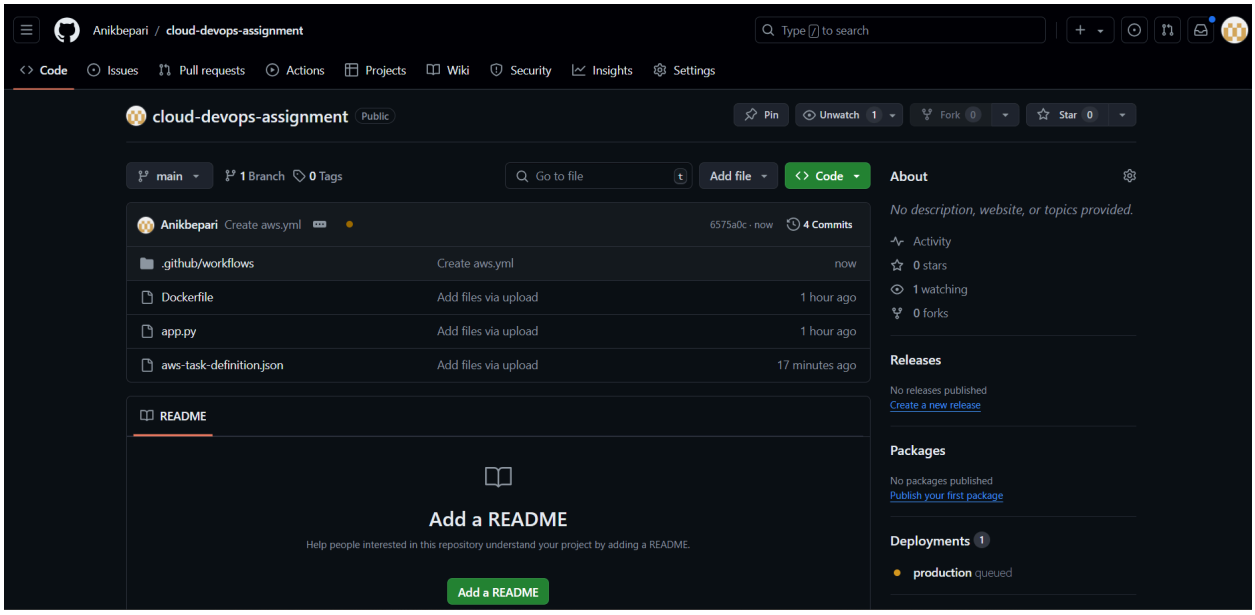
Created Cluster

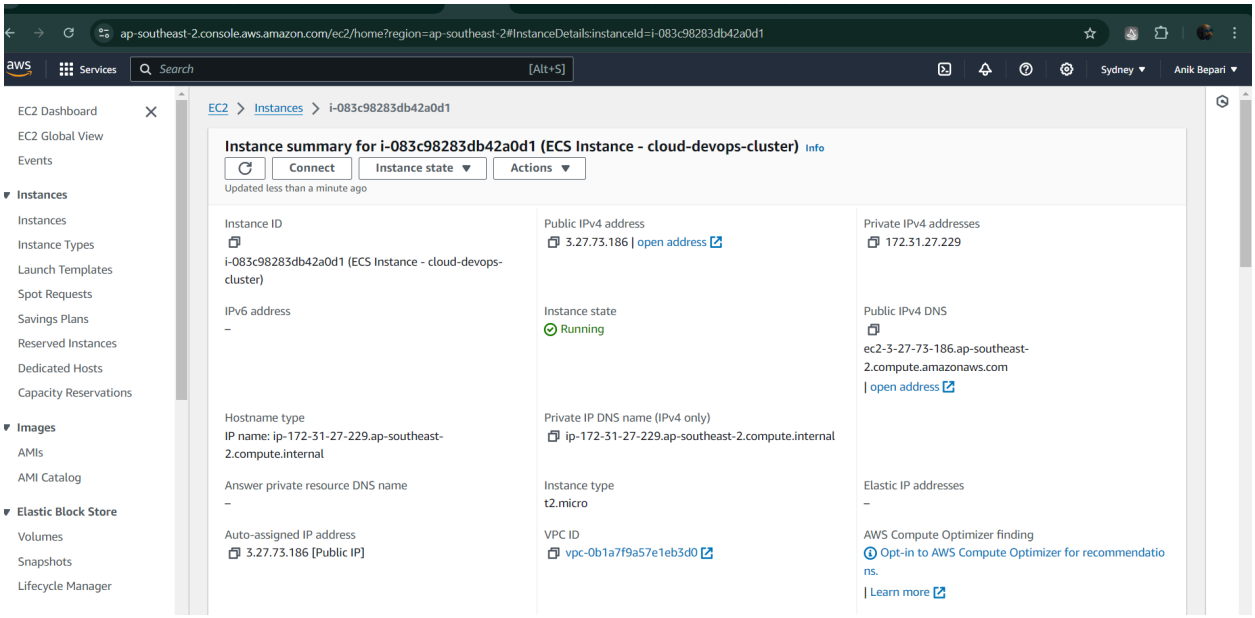

aws
Services
Search
[Alt+S]
Sydney
Amazon Elastic Container Service
Clusters
Namespaces
Task definitions
Account settings
Install AWS Copilot
Amazon ECR
Repositories
AWS Batch
Documentation
Discover products
Subscriptions
Cluster cloud-devops-cluster has been created successfully.
View cluster
Amazon Elastic Container Service > Clusters > cloud-devops-cluster > Services
cloud-devops-cluster ASG
Update cluster
Delete cluster
Cluster overview
ARN
arn:aws:ecs:ap-southeast-2:023810699384:cluster/cloud-devops-cluster
Status
Active
CloudWatch monitoring
Default
Registered container instances
1
Services
Draining
-
Active
-
Tasks
Pending
-
Running
-
Encryption
Managed storage
-
Fargate ephemeral storage
-
Services
Tasks
Infrastructure
Metrics
Scheduled tasks
Tags

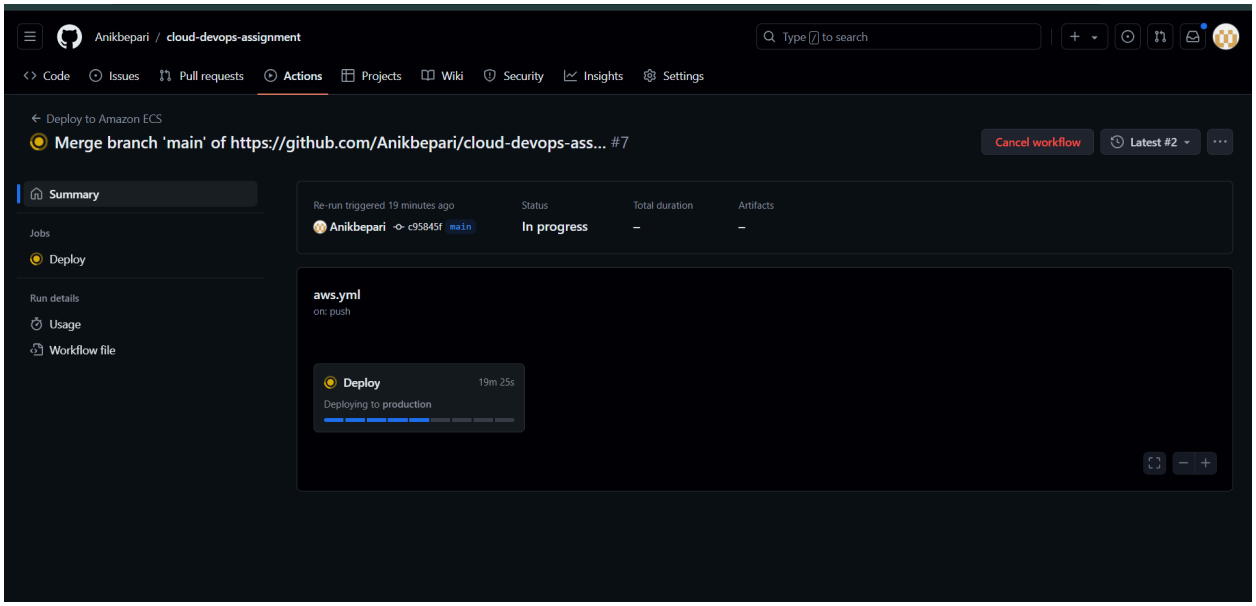

aws
Services
Search
[Alt+S]
Sydney
Anik Bepari
Amazon Elastic Container Service
Clusters
Namespaces
Task definitions
Account settings
Install AWS Copilot
Amazon ECR
Repositories
AWS Batch
Documentation
Discover products
Subscriptions
Cluster cloud-devops-cluster has been created successfully.
View cluster
ss deployment is in progress. It takes a few minutes.
View in CloudFormation
Amazon Elastic Container Service > Clusters > cloud-devops-cluster > Services
cloud-devops-cluster ASG
Update cluster
Delete cluster
Cluster overview
ARN
arn:aws:ecs:ap-southeast-2:023810699384:cluster/cloud-devops-cluster
Status
Active
CloudWatch monitoring
Default
Registered container instances
1
Services
Draining
-
Active
-
Tasks
Pending
-
Running
-
Encryption
Managed storage
-
Fargate ephemeral storage
-

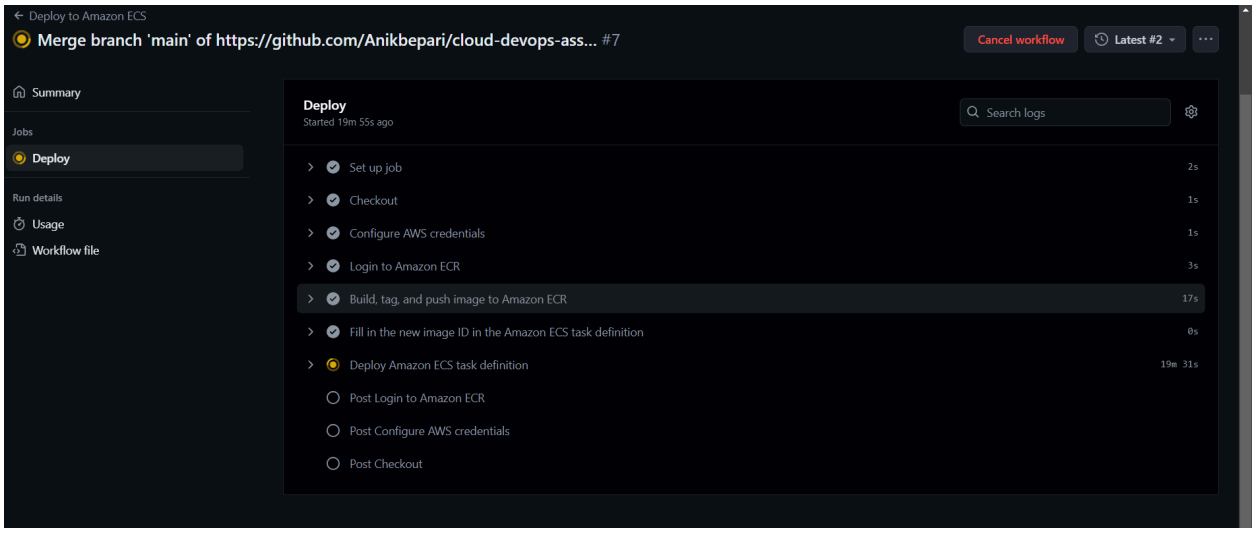

General
Access
Collaborators
Moderation options
Code and automation
Branches
Tags
Rules
Actions
Webhooks
Environments
Codespaces
Pages
Security
Code security and analysis
Deploy keys
Secrets and variables
Actions
Codespaces
Dependabot
Actions secrets and variables
Secrets and variables allow you to manage reusable configuration data. Secrets are encrypted and are used for sensitive data. Learn more about encrypted secrets. Variables are shown as plain text and are used for non-sensitive data. Learn more about variables.
Anyone with collaborator access to this repository can use these secrets and variables for actions. They are not passed to workflows that are triggered by a pull request from a fork.
Secrets
Variables
Environment secrets
This environment has no secrets.
Manage environment secrets
Repository secrets
New repository secret
Name
Last updated
AWS_ACCESS_KEY_ID
4 minutes ago
AWS_REGION
1 minute ago
AWS_SECRET_ACCESS_KEY
now

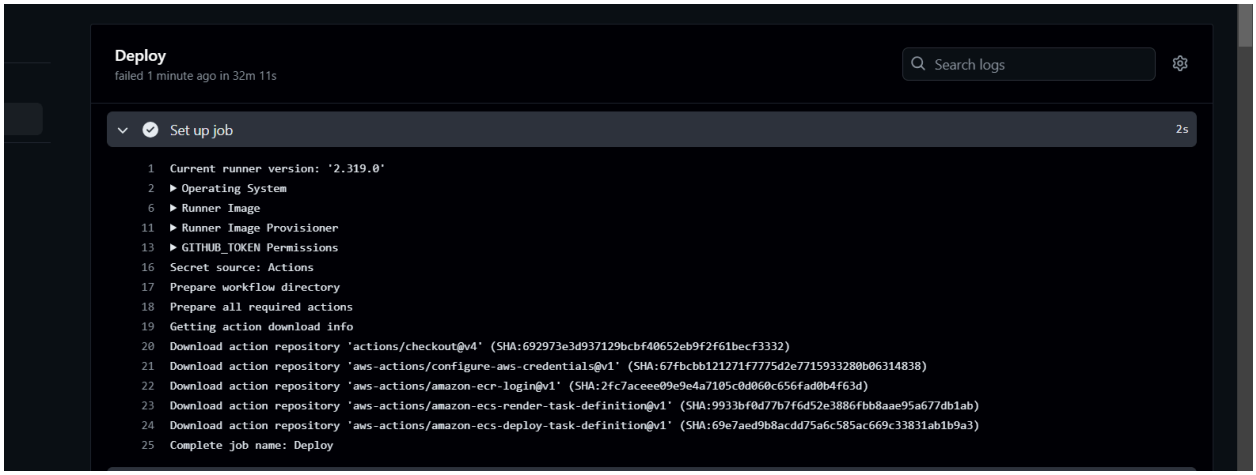

Anikbepari / cloud-devops-assignment
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
cloud-devops-assignment / .github / workflows / aws.yml in main
Cancel changes
Commit changes...
Edit
Preview
Spaces
2
No wrap
name: Deploy to Amazon ECS
on:
push:
branches: ["main"]
env:
AWS_REGION: ap-southeast-2 # set this to your preferred AWS region, e.g. us-west-1
ECR_REPOSITORY: cloud-devops # set this to your Amazon ECR repository name
ECS_SERVICE: ss # set this to your Amazon ECS service name
ECS_CLUSTER: cloud-devops-cluster # set this to your Amazon ECS cluster name
ECS_TASK_DEFINITION: arn:aws:ecs:ap-southeast-2:023810699384:task-definition/cloud-devops-task-definitions:1 # set this to the path to your Amaz
file, e.g. .aws/task-definition.json
CONTAINER_NAME: cloud-devops # set this to the name of the container in the
containerDefinitions section of your task definition
permissions:
contents: read
jobs:
Use Control + Shift + m to toggle the tab key moving focus. Alternatively, use esc then tab to move to the next interactive element on the page.
Marketplace
Documentation
Search Marketplace for Actions
Featured Actions
Setup Node.js environment
By actions
3.8k
Setup a Node.js environment by adding problem matchers and optionally downloading and adding it to the PATH
Upload a Build Artifact
By actions
3.1k
Upload a build artifact that can be used by subsequent workflow steps
Setup Go environment
By actions
1.4k
Setup a Go environment and add it to the PATH
Close Stale Issues
By actions
1.3k
Close issues and pull requests with no recent activity


Anikbepari / cloud-devops-assignment
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
cloud-devops-assignment
Public
Pin
Unwatch 1
Fork 0
Star 0
main
1 Branch
0 Tags
Go to file
Add file
Code
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Anikbepari Create aws.yml
6575a0c · now
4 Commits
.github/workflows
Create aws.yml
now
Dockerfile
Add files via upload
1 hour ago
app.py
Add files via upload
1 hour ago
aws-task-definition.json
Add files via upload
17 minutes ago
README
Add a README
Help people interested in this repository understand your project by adding a README.
Add a README
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Deployments 1
production queued


ap-southeast-2.console.aws.amazon.com/ec2/home?region=ap-southeast-2#InstanceDetails:instanceId=i-083c98283db42a0d1
aws
Services
Search
[Alt+S]
Sydney
Anik Bepari
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
EC2 > Instances > i-083c98283db42a0d1
Instance summary for i-083c98283db42a0d1 (ECS Instance - cloud-devops-cluster) Info
Connect
Instance state
Actions
Updated less than a minute ago
Instance ID
i-083c98283db42a0d1 (ECS Instance - cloud-devops-cluster)
Public IPv4 address
3.27.73.186 | open address
Private IPv4 addresses
172.31.27.229
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-3-27-73-186.ap-southeast-2.compute.amazonaws.com | open address
Hostname type
IP name: ip-172-31-27-229.ap-southeast-2.compute.internal
Private IP DNS name (IPv4 only)
ip-172-31-27-229.ap-southeast-2.compute.internal
Answer private resource DNS name
–
Instance type
t2.micro
Elastic IP addresses
–
Auto-assigned IP address
3.27.73.186 [Public IP]
VPC ID
vpc-0b1a7f9a57e1eb3d0
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

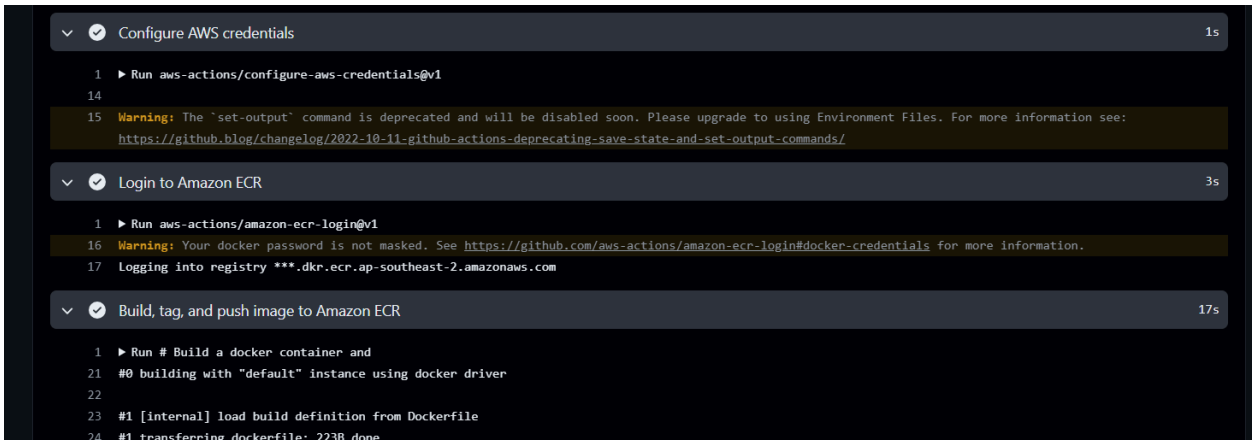

Anikbepari / cloud-devops-assignment
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Deploy to Amazon ECS
Merge branch 'main' of https://github.com/Anikbepari/cloud-devops-ass... #7
Cancel workflow
Latest #2
Summary
Jobs
Deploy
Run details
Usage
Workflow file
Re-run triggered 19 minutes ago
Anikbepari c95845f main
Status
In progress
Total duration
–
Artifacts
–
aws.yml
on: push
Deploy
19m 25s
Deploying to production


Deploy to Amazon ECS
Merge branch 'main' of https://github.com/Anikbepari/cloud-devops-ass... #7
Cancel workflow
Latest #2
Summary
Jobs
Deploy
Run details
Usage
Workflow file
Deploy
Started 19m 55s ago
Search logs
Set up job 2s
Checkout 1s
Configure AWS credentials 1s
Login to Amazon ECR 3s
Build, tag, and push image to Amazon ECR 17s
Fill in the new image ID in the Amazon ECS task definition 0s
Deploy Amazon ECS task definition 19m 31s
Post Login to Amazon ECR
Post Configure AWS credentials
Post Checkout


Deploy
failed 1 minute ago in 32m 11s
Search logs
Set up job 2s
1 Current runner version: '2.319.0'
2 ▶ Operating System
6 ▶ Runner Image
11 ▶ Runner Image Provisioner
13 ▶ GITHUB_TOKEN Permissions
16 Secret source: Actions
17 Prepare workflow directory
18 Prepare all required actions
19 Getting action download info
20 Download action repository 'actions/checkout@v4' (SHA:692973e3d937129bcbf40652eb9f2f61becf3332)
21 Download action repository 'aws-actions/configure-aws-credentials@v1' (SHA:67fbcbb121271f7775d2e7715933280b06314838)
22 Download action repository 'aws-actions/amazon-ecr-login@v1' (SHA:2fc7aceee09e9e4a7105c0d060c656fad0b4f63d)
23 Download action repository 'aws-actions/amazon-ecs-render-task-definition@v1' (SHA:9933bf0d77b7f6d52e3886fbb8aae95a677db1ab)
24 Download action repository 'aws-actions/amazon-ecs-deploy-task-definition@v1' (SHA:69e7aed9b8acdd75a6c585ac669c33831ab1b9a3)
25 Complete job name: Deploy

Checkout 1s

```
1  ▶ Run actions/checkout@v4
23 Syncing repository: Anikbepari/cloud-devops-assignment
24 ▶ Getting Git version info
28 Temporarily overriding HOME='/home/runner/work/_temp/7bda7598-2a9b-442e-b82f-eaa1eb373f10' before making global git config changes
29 Adding repository directory to the temporary git global config as a safe directory
30 /usr/bin/git config --global --add safe.directory /home/runner/work/cloud-devops-assignment/cloud-devops-assignment
31 Deleting the contents of '/home/runner/work/cloud-devops-assignment/cloud-devops-assignment'
32 ▶ Initializing the repository
46 ▶ Disabling automatic garbage collection
48 ▶ Setting up auth
54 ▶ Fetching the repository
58 ▶ Determining the checkout info
59 /usr/bin/git sparse-checkout disable
60 /usr/bin/git config --local --unset-all extensions.worktreeConfig
61 ▶ Checking out the ref
65 /usr/bin/git log -1 --format='%H'
66 'c95845f129dda5ba5d120990f8699bd297e3f7dc'
```



Configure AWS credentials 1s

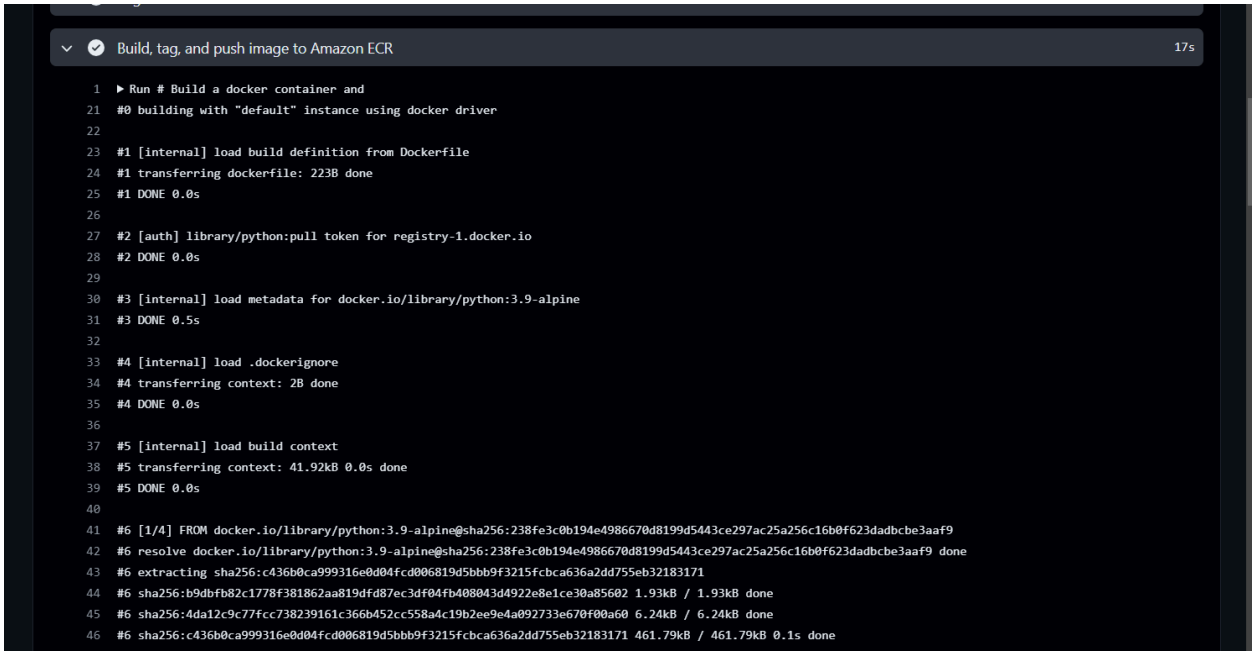
```
1  ▶ Run aws-actions/configure-aws-credentials@v1
14
15 Warning: The `set-output` command is deprecated and will be disabled soon. Please upgrade to using Environment Files. For more information see:
   https://github.blog/changelog/2022-10-11-github-actions-deprecating-save-state-and-set-output-commands/
```

Login to Amazon ECR 3s

```
1  ▶ Run aws-actions/amazon-ecr-login@v1
16 Warning: Your docker password is not masked. See https://github.com/aws-actions/amazon-ecr-login#docker-credentials for more information.
17 Logging into registry ***.dkr.ecr.ap-southeast-2.amazonaws.com
```

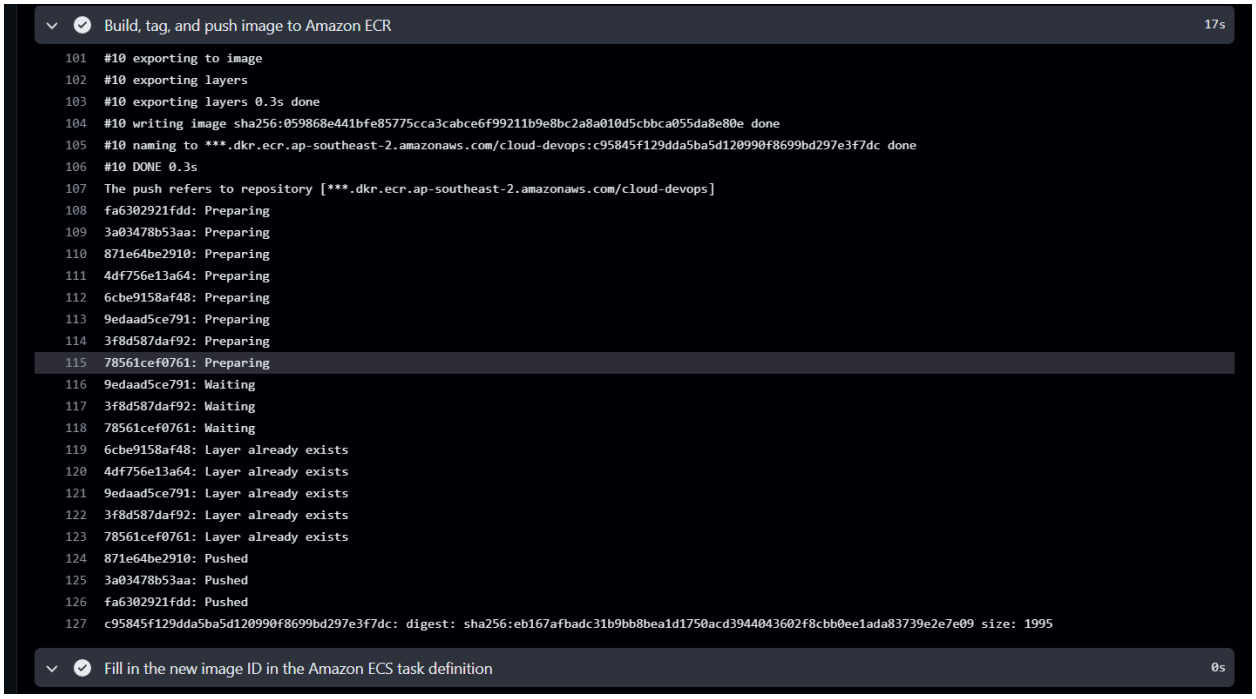
Build, tag, and push image to Amazon ECR 17s

```
1  ▶ Run # Build a docker container and
21 #0 building with "default" instance using docker driver
22
23 #1 [internal] load build definition from Dockerfile
24 #1 transferring dockerfile: 223B done
```



Build, tag, and push image to Amazon ECR 17s

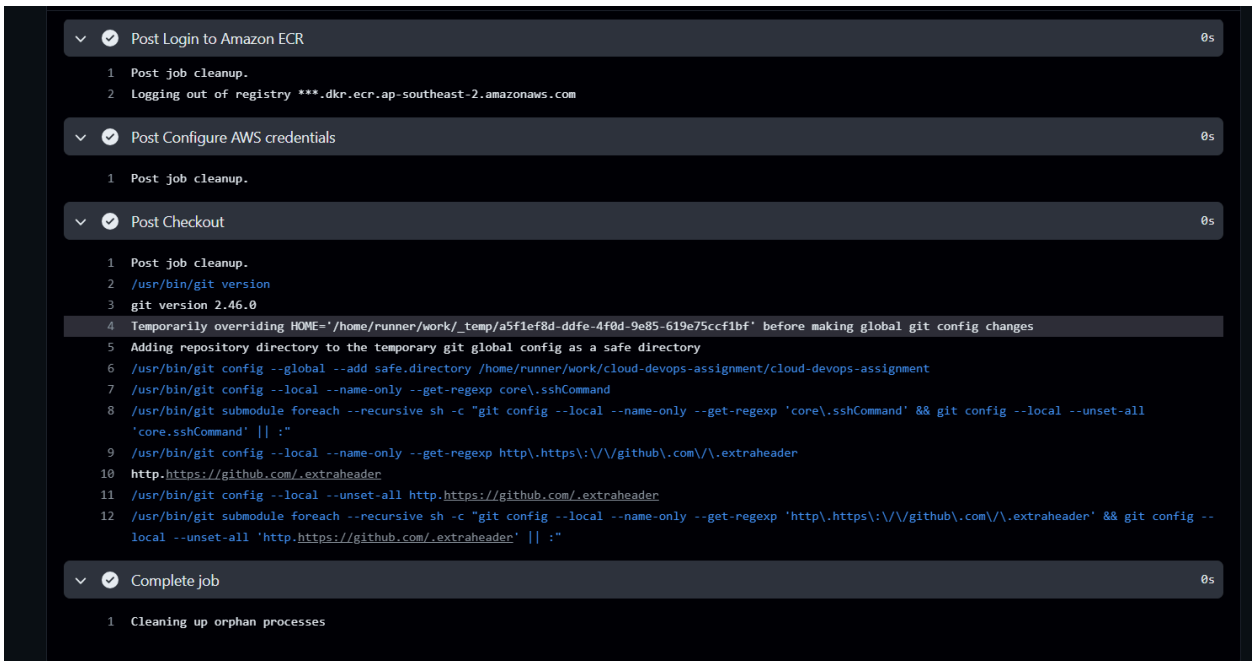
```
1  ▶ Run # Build a docker container and
21 #0 building with "default" instance using docker driver
22
23 #1 [internal] load build definition from Dockerfile
24 #1 transferring dockerfile: 223B done
25 #1 DONE 0.0s
26
27 #2 [auth] library/python:pull token for registry-1.docker.io
28 #2 DONE 0.0s
29
30 #3 [internal] load metadata for docker.io/library/python:3.9-alpine
31 #3 DONE 0.5s
32
33 #4 [internal] load .dockerignore
34 #4 transferring context: 2B done
35 #4 DONE 0.0s
36
37 #5 [internal] load build context
38 #5 transferring context: 41.92kB 0.0s done
39 #5 DONE 0.0s
40
41 #6 [1/4] FROM docker.io/library/python:3.9-alpine@sha256:238fe3c0b194e4986670d8199d5443ce297ac25a256c16b0f623dadbcbe3aaf9
42 #6 resolve docker.io/library/python:3.9-alpine@sha256:238fe3c0b194e4986670d8199d5443ce297ac25a256c16b0f623dadbcbe3aaf9 done
43 #6 extracting sha256:c436b0ca999316e0d04fcd006819d5bbb9f3215fcbca636a2dd755eb32183171
44 #6 sha256:b9dbfb82c1778f381862aa819dfd87ec3df04fb408043d4922e8e1ce30a85602 1.93kB / 1.93kB done
45 #6 sha256:4da12c9c77fcc738239161c366b452cc558a4c19b2ee9e4a092733e670f00a60 6.24kB / 6.24kB done
46 #6 sha256:c436b0ca999316e0d04fcd006819d5bbb9f3215fcbca636a2dd755eb32183171 461.79kB / 461.79kB 0.1s done
```



Build, tag, and push image to Amazon ECR 17s

```
#10 exporting to image
#10 exporting layers
#10 exporting layers 0.3s done
#10 writing image sha256:059868e441bfe85775cca3cabce6f99211b9e8bc2a8a010d5cbbca055da8e80e done
#10 naming to ***.dkr.ecr.ap-southeast-2.amazonaws.com/cloud-devops:c95845f129dda5ba5d120990f8699bd297e3f7dc done
#10 DONE 0.3s
The push refers to repository [***.dkr.ecr.ap-southeast-2.amazonaws.com/cloud-devops]
fa6302921fdd: Preparing
3a03478b53aa: Preparing
871e64be2910: Preparing
4df756e13a64: Preparing
6cbe9158af48: Preparing
9edaad5ce791: Preparing
3f8d587daf92: Preparing
78561cef0761: Preparing
9edaad5ce791: Waiting
3f8d587daf92: Waiting
78561cef0761: Waiting
6cbe9158af48: Layer already exists
4df756e13a64: Layer already exists
9edaad5ce791: Layer already exists
3f8d587daf92: Layer already exists
78561cef0761: Layer already exists
871e64be2910: Pushed
3a03478b53aa: Pushed
fa6302921fdd: Pushed
c95845f129dda5ba5d120990f8699bd297e3f7dc: digest: sha256:eb167afbadc31b9bb8bea1d1750acd3944043602f8cbb0ee1ada83739e2e7e09 size: 1995
```

Fill in the new image ID in the Amazon ECS task definition 0s



Post Login to Amazon ECR 0s

```
Post job cleanup.
Logging out of registry ***.dkr.ecr.ap-southeast-2.amazonaws.com
```

Post Configure AWS credentials 0s

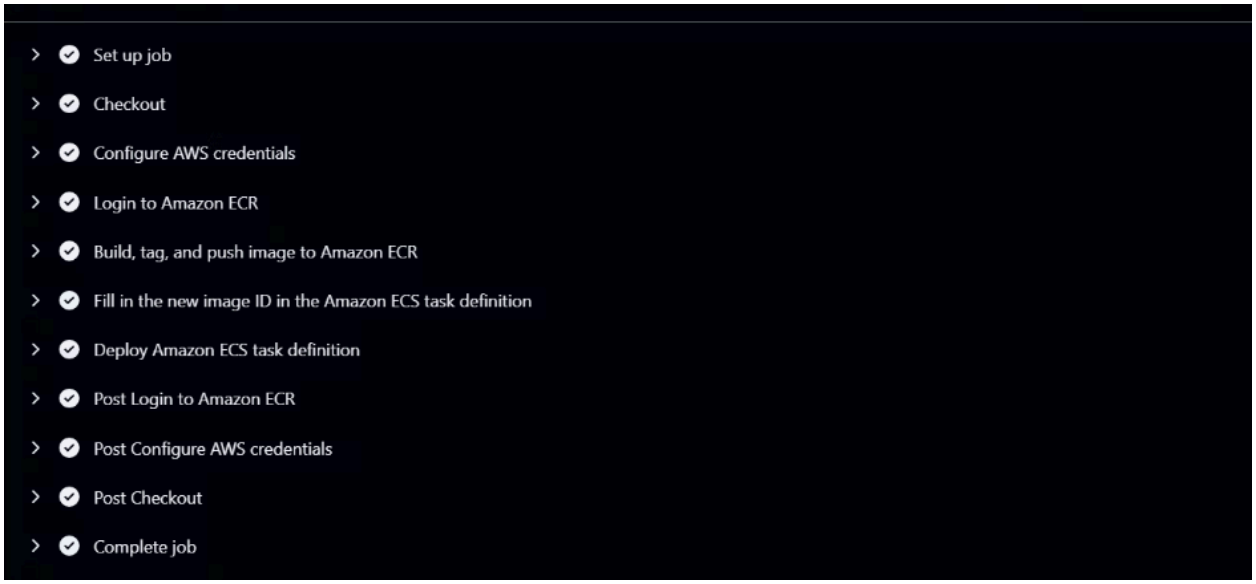
```
Post job cleanup.
```

Post Checkout 0s

```
Post job cleanup.
/usr/bin/git version
git version 2.46.0
Temporarily overriding HOME='/home/runner/work/_temp/a5f1ef8d-ddfe-4f0d-9e85-619e75ccf1bf' before making global git config changes
Adding repository directory to the temporary git global config as a safe directory
/usr/bin/git config --global --add safe.directory /home/runner/work/cloud-devops-assignment/cloud-devops-assignment
/usr/bin/git config --local --name-only --get-regexp core\.sshCommand
/usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'core\.sshCommand' && git config --local --unset-all
'core.sshCommand' || :"
/usr/bin/git config --local --name-only --get-regexp http\.https\:\/\/github\.com\/\.extraheader
http.https://github.com/.extraheader
/usr/bin/git config --local --unset-all http.https://github.com/.extraheader
/usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'http\.https\:\/\/github\.com\/\.extraheader' && git config --
local --unset-all 'http.https://github.com/.extraheader' || :"
```

Complete job 0s

```
Cleaning up orphan processes
```


Set up job
Checkout
Configure AWS credentials
Login to Amazon ECR
Build, tag, and push image to Amazon ECR
Fill in the new image ID in the Amazon ECS task definition
Deploy Amazon ECS task definition
Post Login to Amazon ECR
Post Configure AWS credentials
Post Checkout
Complete job