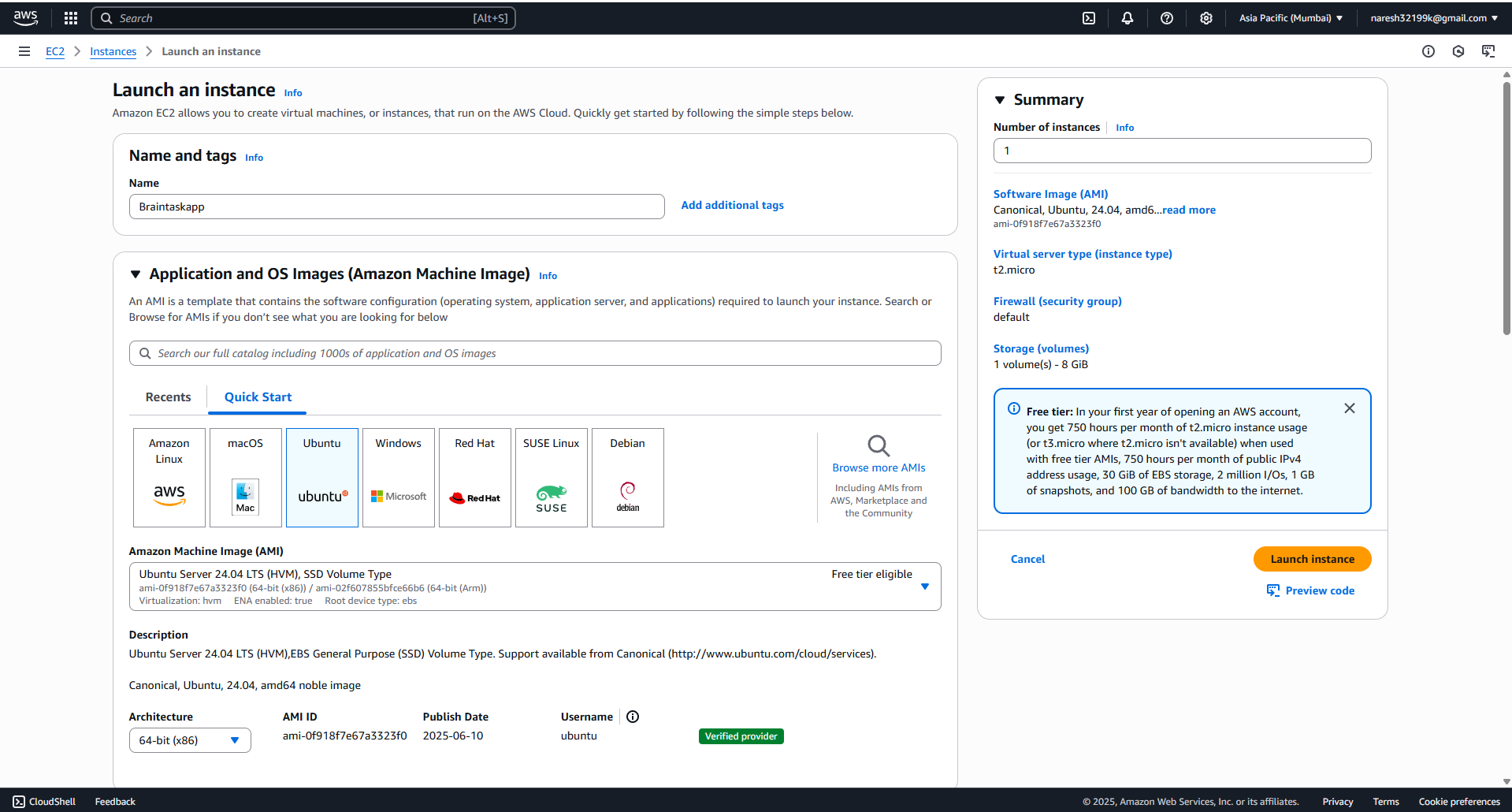
**Step 01**: Creating and launching EC2 Instance

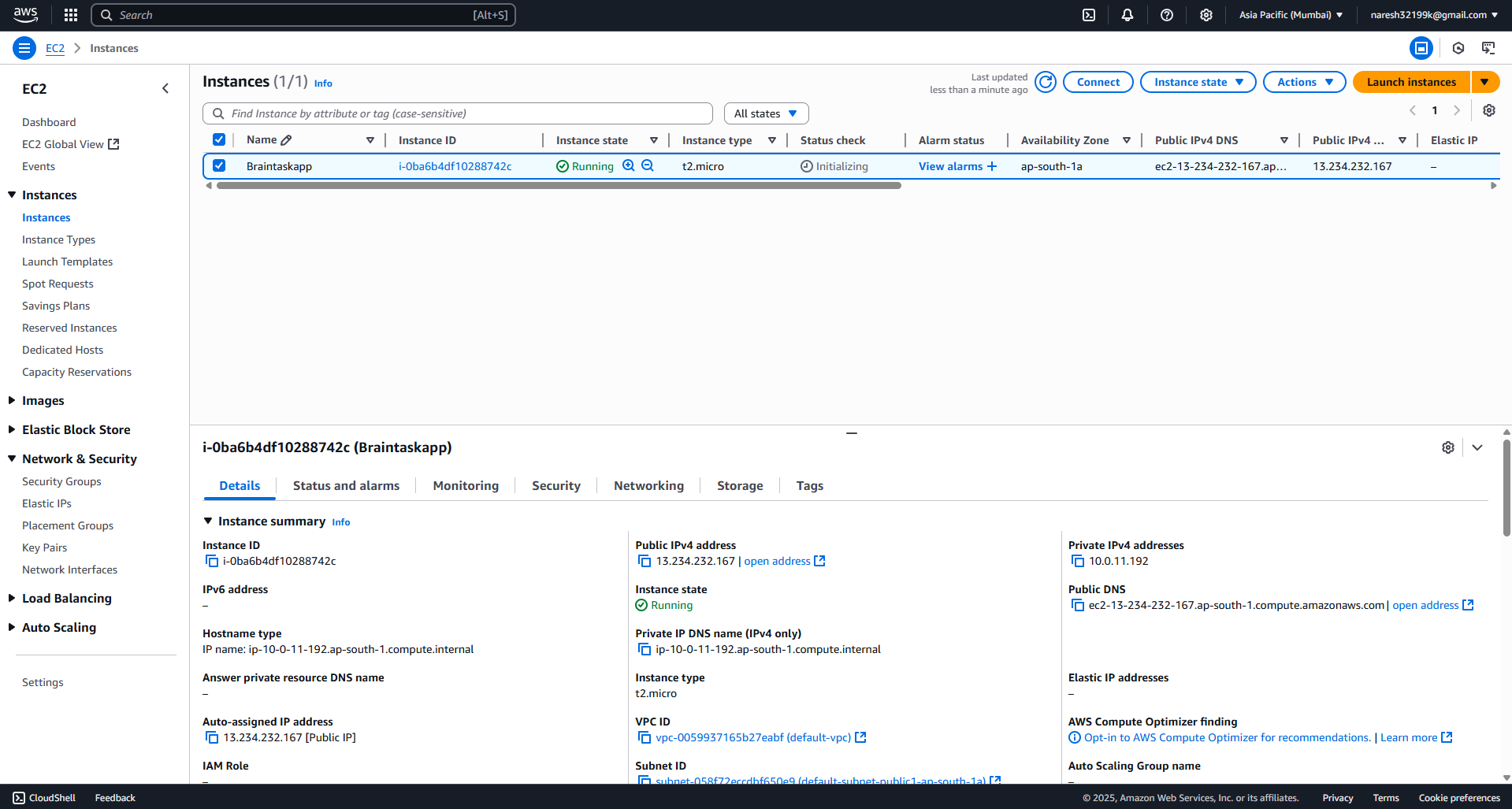


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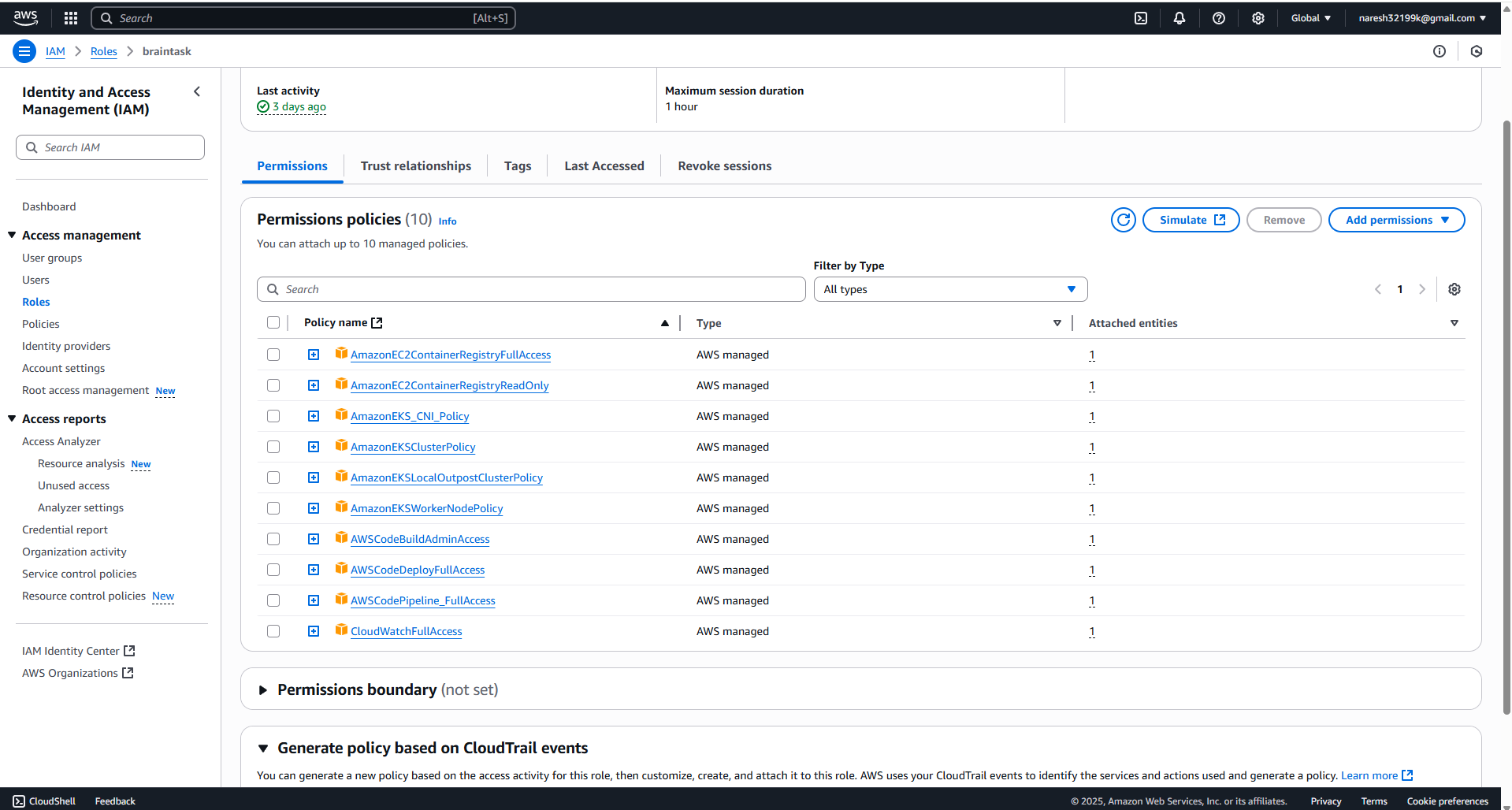
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**Step 02:** Creating IAM role for EKS and attach it to the instance



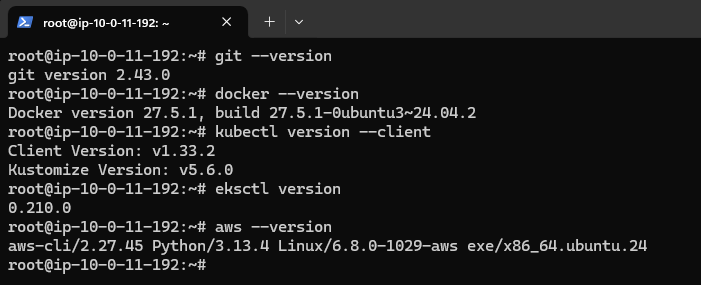
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**Step 03**: Installing required tools /software

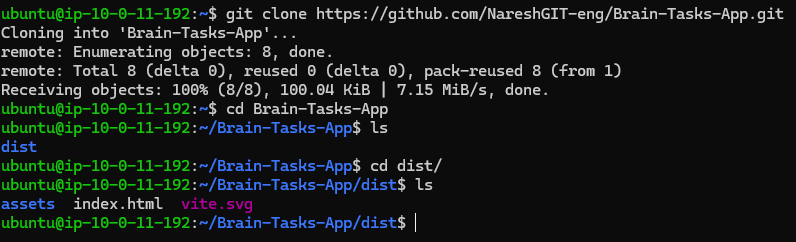


**Step 04**: Forking the project

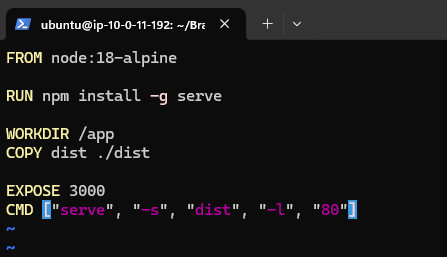
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**Step 05**: Cloning the repo



**Step 06**: Dockerize the application



A close-up of text

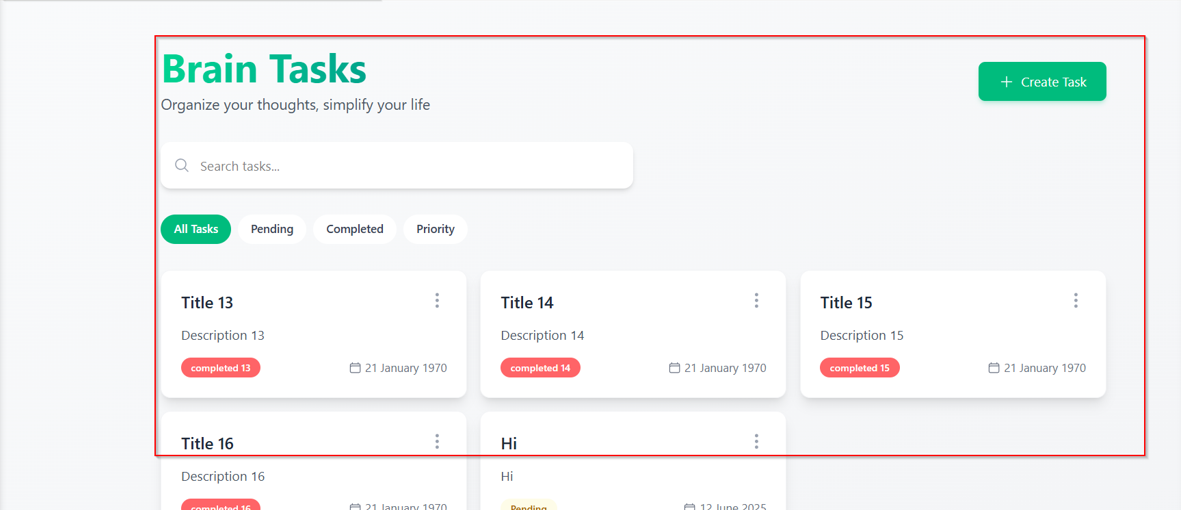
AI-generated content may be incorrect.

A black screen with white text

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aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 440744235671.dkr.ecr. ap-south-1.amazonaws.com

docker tag brain:latest 440744235671.dkr.ecr. ap-south-1.amazonaws.com/brain-ecr:react\_image

docker push 440744235671.dkr.ecr. ap-south-1.amazonaws.com/brain-ecr:react\_image

A white background with black text

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**Step 07:** Creating EKS Cluster

eksctl create cluster --name brain-tasks-app-cluster --region ap-south-1 --nodegroup-name standard-workers --node-type t2.micro --nodes 3

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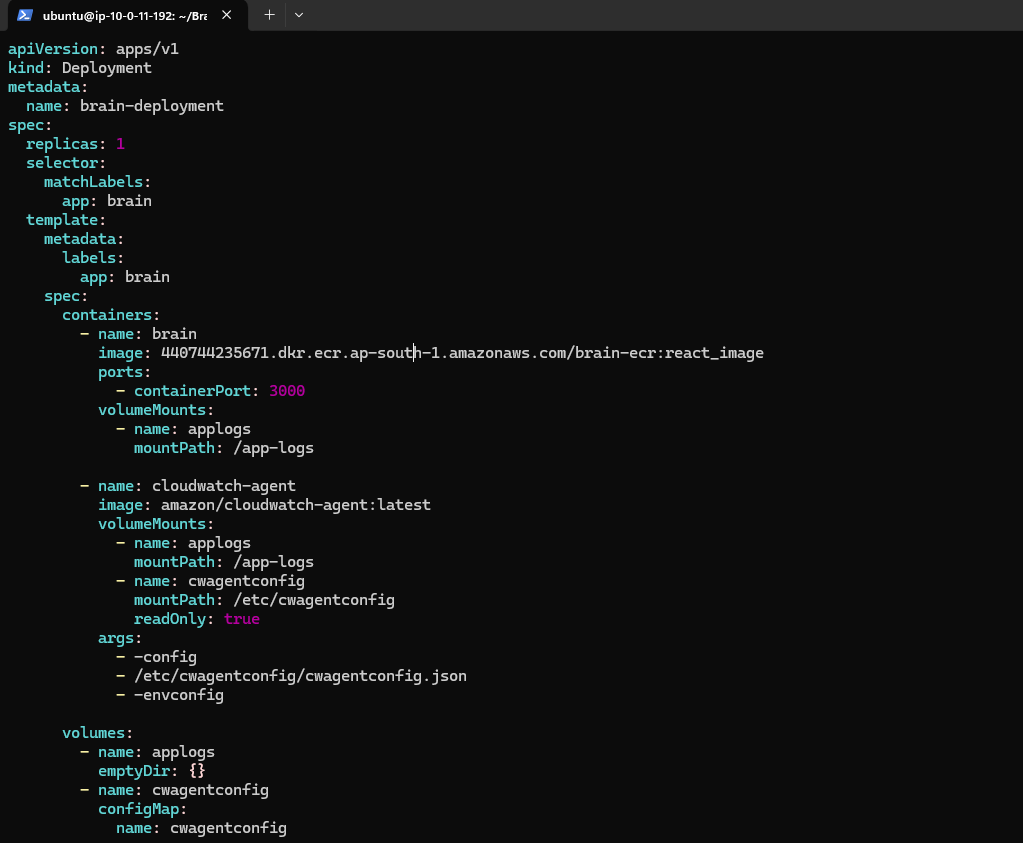
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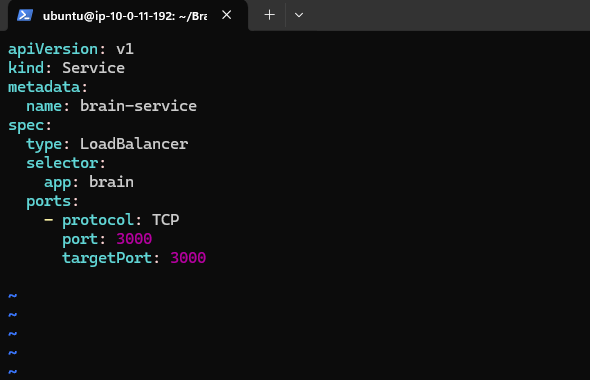
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**Step 08**: Deployment EKS

Deployment.yaml



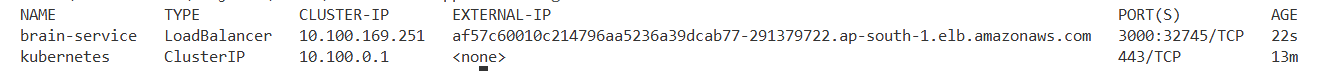
Service.yaml



kubectl apply -f deployment.yaml

kubectl apply -f service.yaml

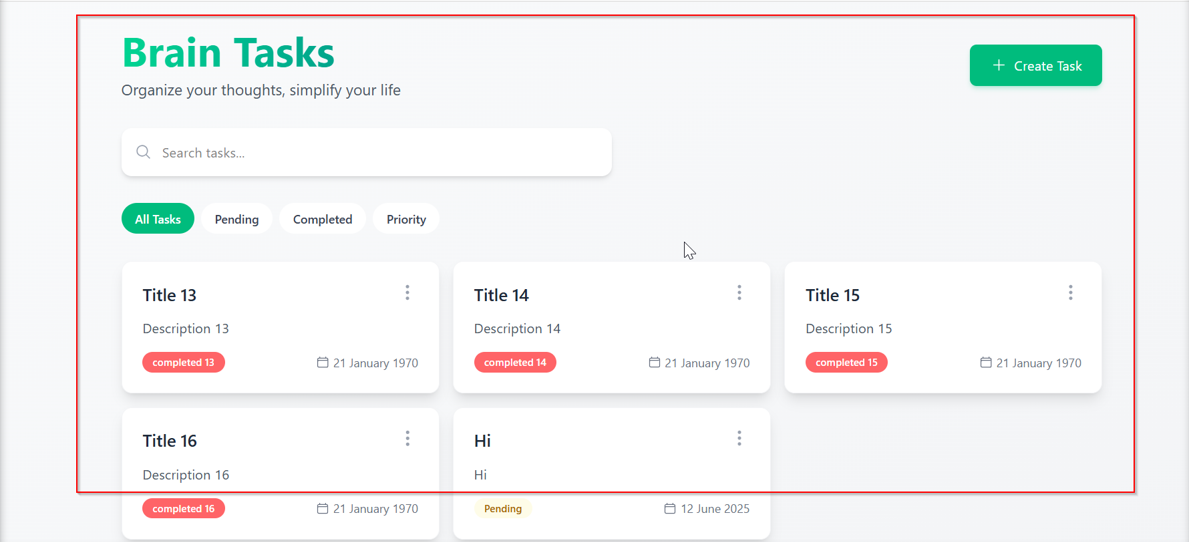
kubectl get svc



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Application running in load balancer ARN:



Step 09: CodeBuild

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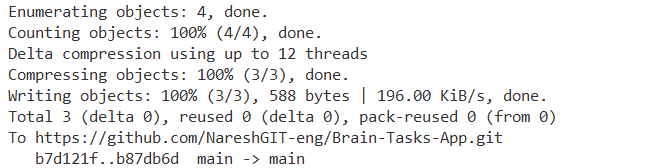
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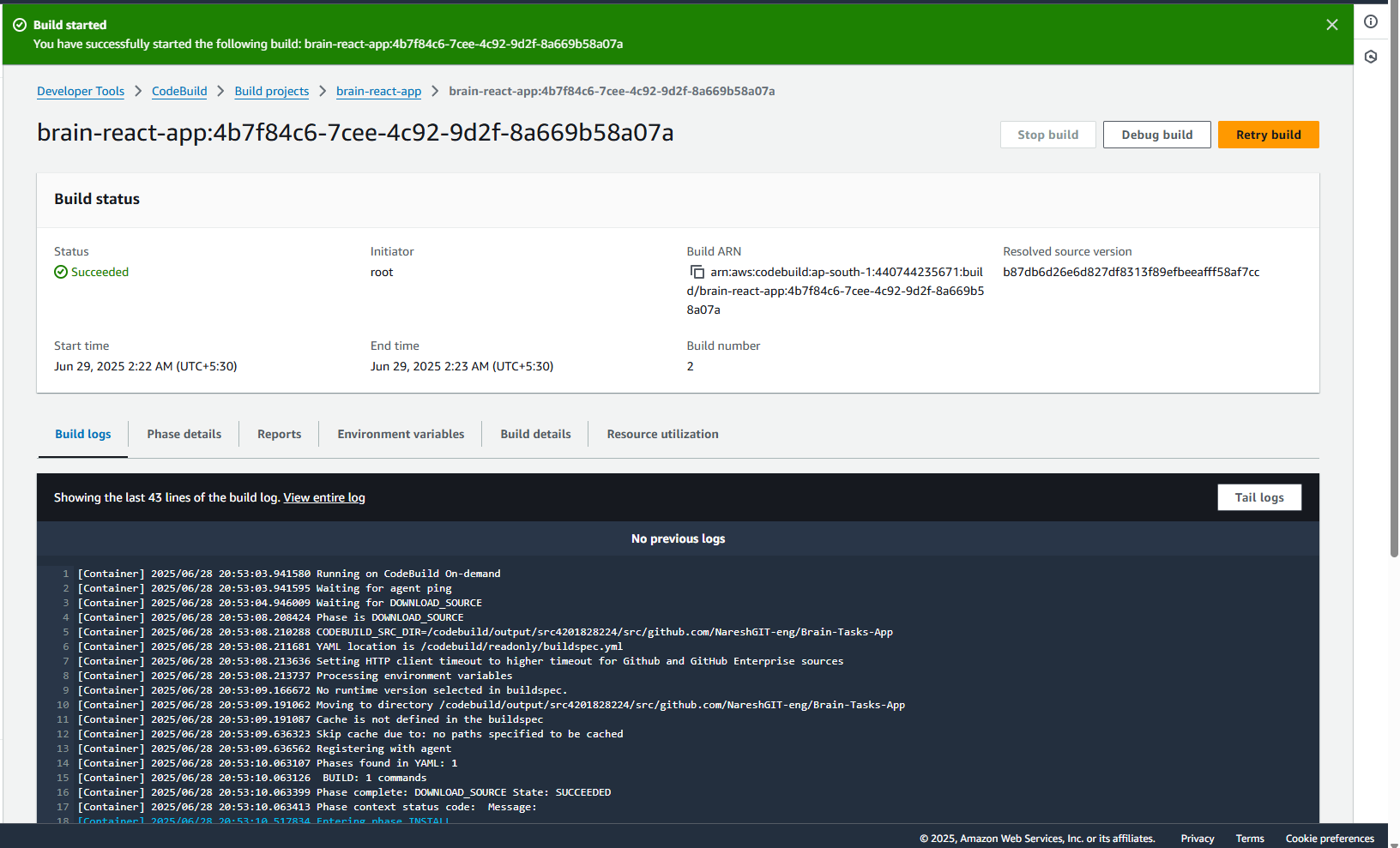
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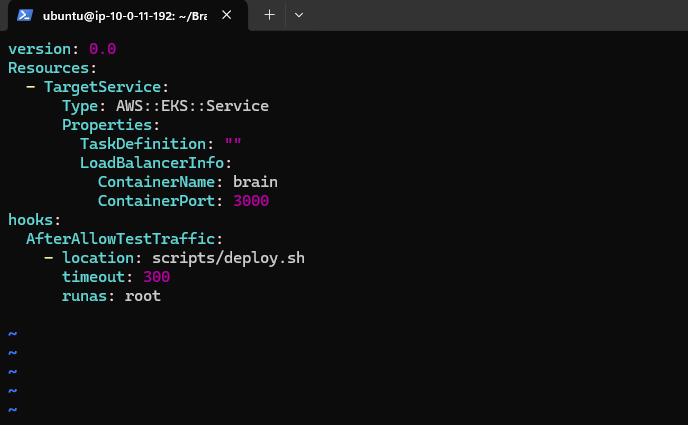
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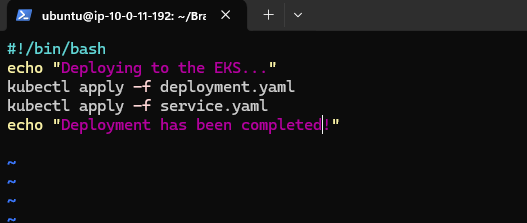
A screenshot of a computer program

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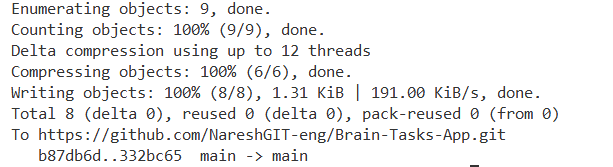






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Cloud Watch

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