

Name: Prashanth Raghavendra Rao

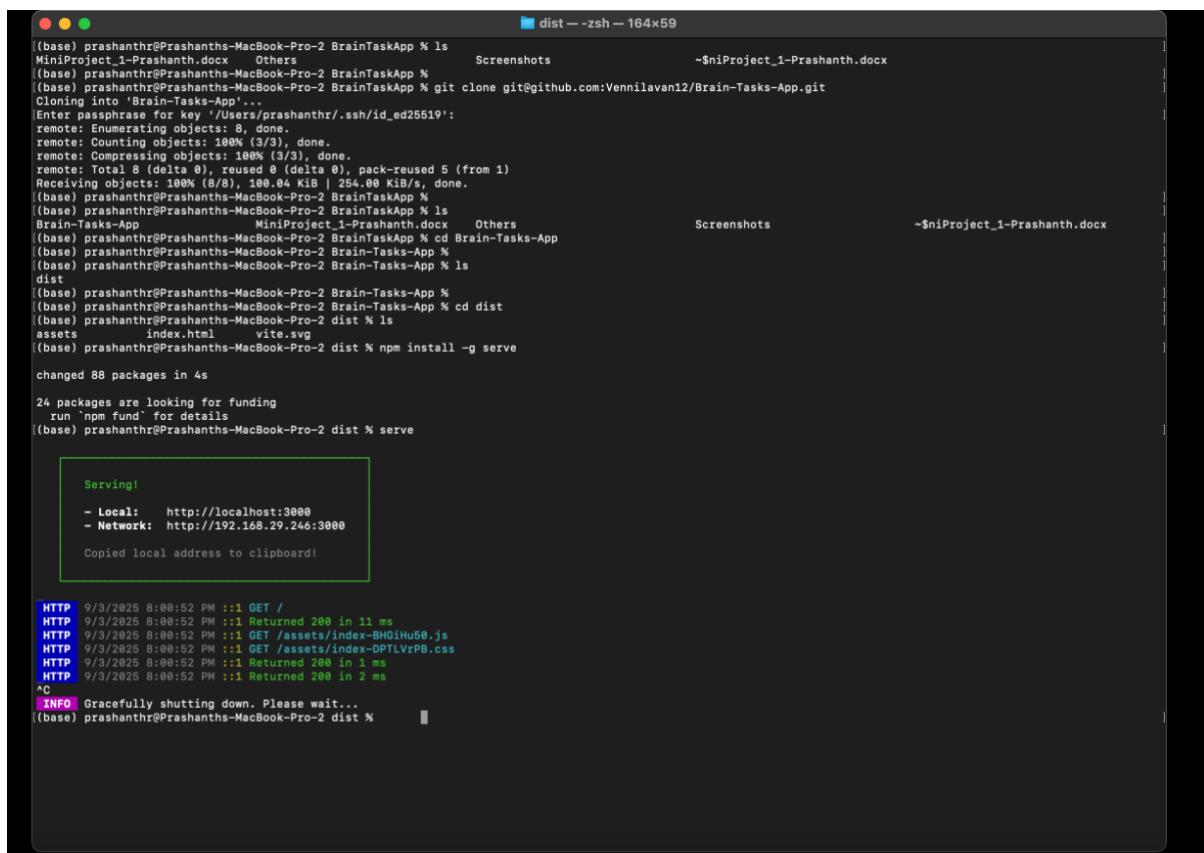
Task: Mini Project – Brain Task App

Date: 03/09/2025

Task Description:

Application:

- Clone the below mentioned repository and deploy the application (Run application in port 3000).
- Repo URL : <https://github.com/Vennilavan12/Brain-Tasks-App.git>



The screenshot shows a terminal window titled "dist — zsh — 164x59". The session starts with cloning a GitHub repository into the "dist" directory:

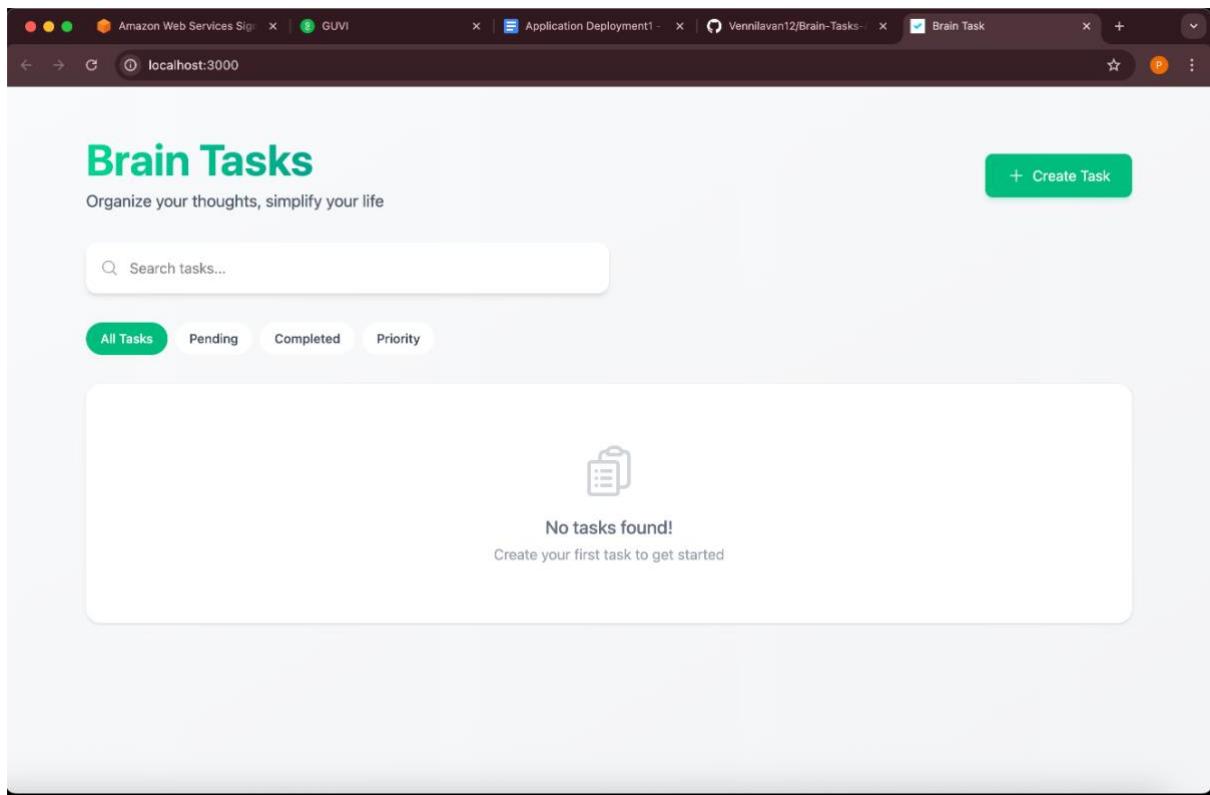
```
(base) prashanthr@Prashanths-MacBook-Pro-2 BrainTaskApp % ls
MiniProject_1-Prashanth.docx    Others          Screenshots        -$niProject_1-Prashanth.docx
(base) prashanthr@Prashanths-MacBook-Pro-2 BrainTaskApp %
(base) prashanthr@Prashanths-MacBook-Pro-2 BrainTaskApp % git clone git@github.com:Vennilavan12/Brain-Tasks-App.git
Cloning into 'Brain-Tasks-App'...
Enter passphrase for key '/Users/prashanthr/.ssh/id_ed25519':
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 8 (delta 0), reused 0 (delta 0), pack-reused 5 (from 1)
Receiving objects: 100% (8/8), 180.04 KiB | 254.00 KiB/s, done.
(base) prashanthr@Prashanths-MacBook-Pro-2 BrainTaskApp %
(base) prashanthr@Prashanths-MacBook-Pro-2 BrainTaskApp % ls
Brain-Tasks-App
  MiniProject_1-Prashanth.docx    Others          Screenshots        -$niProject_1-Prashanth.docx
(base) prashanthr@Prashanths-MacBook-Pro-2 BrainTaskApp %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % ls
dist
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cd dist
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % ls
assets      index.html      vite.svg
(base) prashanthr@Prashanths-MacBook-Pro-2 dist % npm install -g serve
changed 88 packages in 4s
24 packages are looking for funding
  run 'npm fund' for details
(base) prashanthr@Prashanths-MacBook-Pro-2 dist % serve
```

A message "Serving!" is displayed in green, followed by local and network addresses:

```
Serving!
- Local:   http://localhost:3000
- Network: http://192.168.29.246:3000
Copied local address to clipboard!
```

Log output at the bottom shows HTTP requests and a shutdown message:

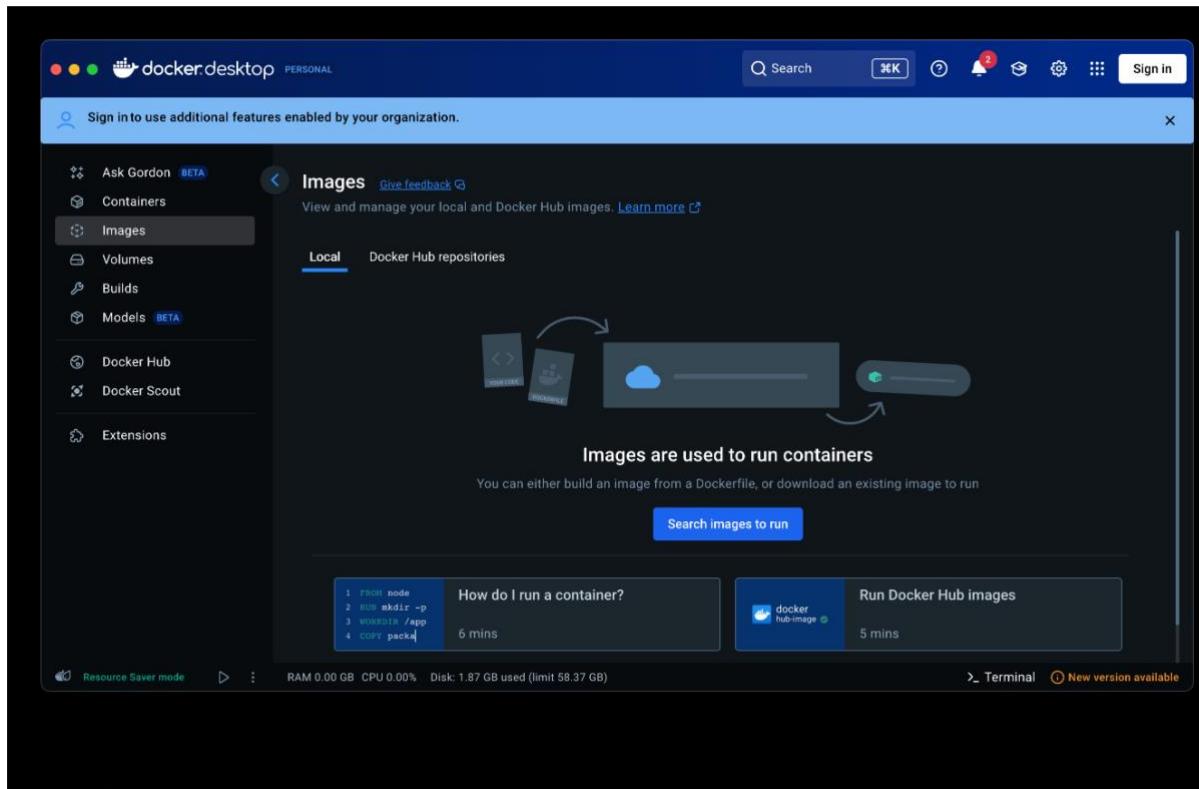
```
HTTP 9/3/2025 8:00:52 PM ::1 GET /
HTTP 9/3/2025 8:00:52 PM ::1 Returned 200 in 11 ms
HTTP 9/3/2025 8:00:52 PM ::1 GET /assets/index-BHG1Hu50.js
HTTP 9/3/2025 8:00:52 PM ::1 GET /assets/index-DPTLVrPB.css
HTTP 9/3/2025 8:00:52 PM ::1 Returned 200 in 1 ms
HTTP 9/3/2025 8:00:52 PM ::1 Returned 200 in 2 ms
^C
INFO Gracefully shutting down. Please wait...
(base) prashanthr@Prashanths-MacBook-Pro-2 dist %
```



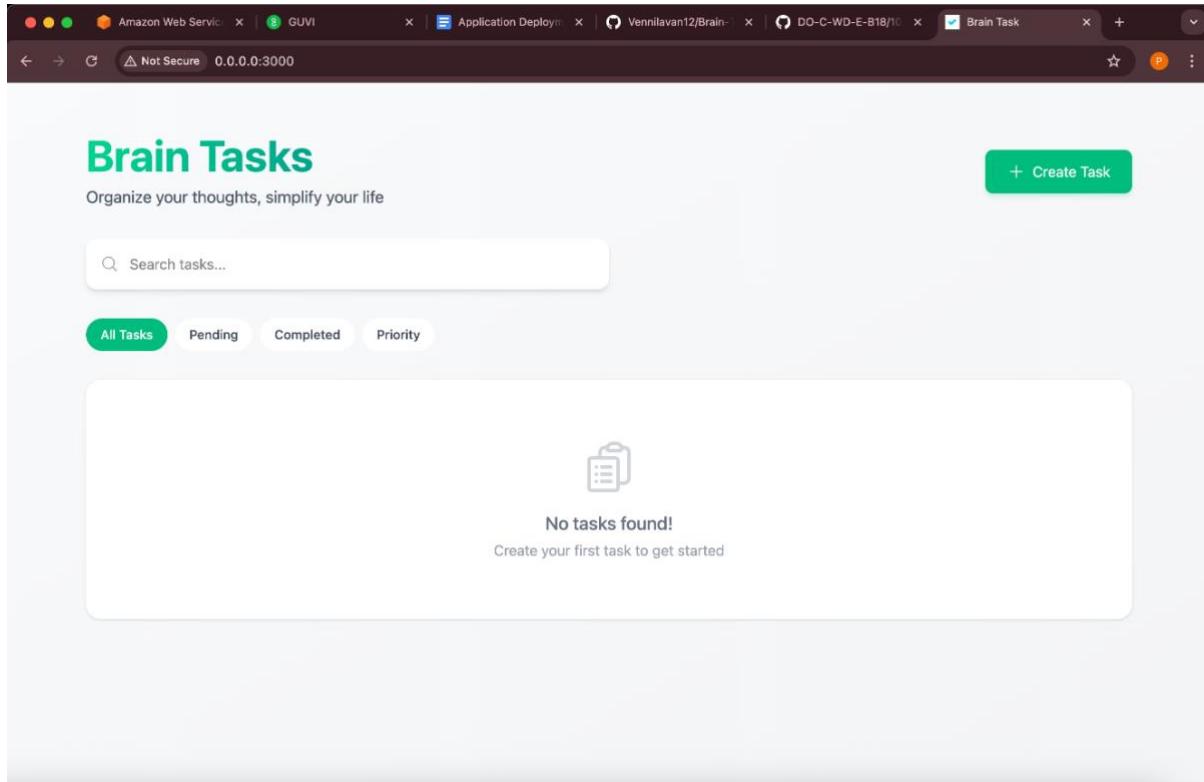
=====

Docker:

- Dockerize the application by creating Dockerfile



- Build an application and check output using docker image.



ECR:

- Create an AWS ECR repository for store docker images.

```
Brain-Tasks-App -- zsh -- 164x59
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker images
REPOSITORY          TAG      IMAGE ID      CREATED        SIZE
brain-task-app-local latest  0d76c3f5ebc9  6 minutes ago  86.7MB
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED          STATUS           PORTS          NAMES
a5374abc3f7    brain-task-app-local "/docker-entrypoint..." 4 minutes ago   Up 4 minutes   0.0.0.0:3000->80/tcp   romantic_golick
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % aws ecr create-repository --repository-name aws-brain-task-app-docker --image-scanning-configuration scanOnPush=true --region ap-south-1
{
  "repository": {
    "repositoryArn": "arn:aws:ecr:ap-south-1:235391889675:repository/aws-brain-task-app-docker",
    "repositoryId": "235391889675",
    "repositoryName": "aws-brain-task-app-docker",
    "repositoryUri": "235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker",
    "createdAt": "2025-09-03T28:15:44.086000+05:30",
    "imageTagMutability": "MUTABLE",
    "imageScanningConfiguration": {
      "scanOnPush": true
    },
    "encryptionConfiguration": {
      "encryptionType": "AES256"
    }
  }
}
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 235391889675.dkr.ecr.ap-south-1.amazonaws.com
Login Succeeded
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker build -t aws-brain-task-app .
[+] Building 1.9s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 139B
=> [internal] load metadata for docker.io/library/nginx:alpine
=> [internal] load .dockerrignore
=> => transferring context: 2B
=> [internal] build context
=> => preparing context: 0B
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:42a516ef16bb52e33b7682d5ef8acbd5d13fe08fecadc7ed98605ba5e3b26abb
=> => resolving docker.io/library/nginx:alpine@sha256:42a516ef16bb52e33b7682d5ef8acbd5d13fe08fecadc7ed98605ba5e3b26abb
=> CACHED [2/2] COPY ./dist /usr/share/nginx/html
=> exporting to image
=> => exporting layers
=> => exporting manifest sha256:a27566d1e59f964d55e31b64da5b99f5825745c1b8f5821187e860cb69c9ce6
=> => exporting config sha256:68a1f769c5217d61a7da80c7c87013dc5ab4d1a441acd07efc2101b5f0d29
=> => exporting attestation manifest sha256:cfd122655ad98227df097b87b36ed2b5f257b6ad4526aaed6cbd778a6e9b2d78
=> => exporting manifest list sha256:b1751a8ea7971ddc347a1764a5651345d0bf92478301aa82fc46b20852975f2
=> => naming to docker.io/library/aws-brain-task-app:latest
=> => unpacking to docker.io/library/aws-brain-task-app:latest
View build details: docker-desktop://dashboard/build/desktop-linux/d8xg6161qhppn3cbruyq1dbtj
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker tag aws-brain-task-app:latest 235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker:latest
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker push 235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker:latest
```

```
■ Brain-Tasks-App -- zsh -- 164x59
=> => exporting annotation manifest sha256:cfbd122655ad9822fd0b07b67536ed2b5f257b8ad4526aaed6cbd778a5e9b2d70
=> => exporting manifest list sha256:b1751a8aa79f1ddc347a17e40a5651345dbbf92478301aa82fc46620052975f2
=> => naming to docker.io/library/aws-brain-task-app:latest
=> => unpacking to docker.io/library/aws-brain-task-app:latest

View build details: docker-desktop://dashboard/build/desktop-linux/d8xg6l1qhpnp3cbruyq1dbtj
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker tag aws-brain-task-app:latest 235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker:latest
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker push 235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker:latest
f7260b250725: Pushed
9389430214a1: Pushed
6156eb0d4ff: Pushed
6c2c01fb0894: Pushed
6e174226ea09: Pushed
04ba79579d22: Pushed
021cb5923c8e: Pushed
66ce170f7dd8: Pushed
0bc2f07fbfa83: Pushed
49f308ec00: Pushed
imageDigest: sha256:b1751a8aa79f1ddc347a17e40a5651345dbbf92478301aa82fc46620052975f2 size: 856
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker latest b1751a8aa79f 15 minutes ago 88.7MB
aws-brain-task-app latest b1751a8aa79f 15 minutes ago 88.7MB
brain-task-app-local latest 0d76c3f5ebc9 15 minutes ago 88.7MB
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker ps
CONTAINER IMAGE COMMAND CREATED STATUS PORTS NAMES
a53748abc3c7 brain-task-app-local "/docker-entrypoint..." 13 minutes ago Up 13 minutes 0.0.0.0:3000->80/tcp romantic_golick
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %

usage: aws [options] <command> [<subcommand> [<subcommand> ...]] [parameters]
To see help text, you can run:
  aws help
  aws <command> help
  aws <command> <subcommand> help

aws: error: the following arguments are required: --repository-name

(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % aws ecr describe-images --region ap-south-1
{
  "imageDetails": [
    {
      "registryId": "235391889675",
      "repositoryName": "aws-brain-task-app-docker",
      "imageDigest": "sha256:cfbd122655ad9822fd0b07b67536ed2b5f257b8ad4526aaed6cbd778a5e9b2d70",
      "imageSizeInBytes": 1342,
      "imagePushedAt": "2025-09-03T20:22:34.664000+05:30",
      "imageManifestMediaType": "application/vnd.oci.image.manifest.v1+json",
      "artifactMediaType": "application/vnd.oci.image.config.v1+json"
    },
    {
      "registryId": "235391889675",
      "repositoryName": "aws-brain-task-app-docker",
      "imageDigest": "sha256:a72756a1d1e97f964d5e31b64da5b99f5825745c1b8f5821187e860cb69c9ce6",
      "imageSizeInBytes": 28039184,
      "imagePushedAt": "2025-09-03T20:22:34.662000+05:30",
      "imageManifestMediaType": "application/vnd.oci.image.manifest.v1+json",
      "artifactMediaType": "application/vnd.oci.image.config.v1+json",
      "lastRecordedPullTime": "2025-09-03T20:22:34.875000+05:30"
    },
    {
      "registryId": "235391889675",
      "repositoryName": "aws-brain-task-app-docker",
      "imageDigest": "sha256:b1751a8aa79f1ddc347a17e40a5651345dbbf92478301aa82fc46620052975f2",
      "imageTags": [
        "latest"
      ],
      "imageSizeInBytes": 23839184,
      "imagePushedAt": "2025-09-03T20:22:34.972000+05:30",
      "imageManifestMediaType": "application/vnd.oci.image.index.v1+json"
    }
  ]
}
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
```

```
■ Brain-Tasks-App -- zsh -- 164x59
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker latest b1751a8aa79f 15 minutes ago 88.7MB
aws-brain-task-app latest b1751a8aa79f 15 minutes ago 88.7MB
brain-task-app-local latest 0d76c3f5ebc9 15 minutes ago 88.7MB
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % docker ps
CONTAINER IMAGE COMMAND CREATED STATUS PORTS NAMES
a53748abc3c7 brain-task-app-local "/docker-entrypoint..." 13 minutes ago Up 13 minutes 0.0.0.0:3000->80/tcp romantic_golick
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %

usage: aws [options] <command> [<subcommand> [<subcommand> ...]] [parameters]
To see help text, you can run:
  aws help
  aws <command> help
  aws <command> <subcommand> help

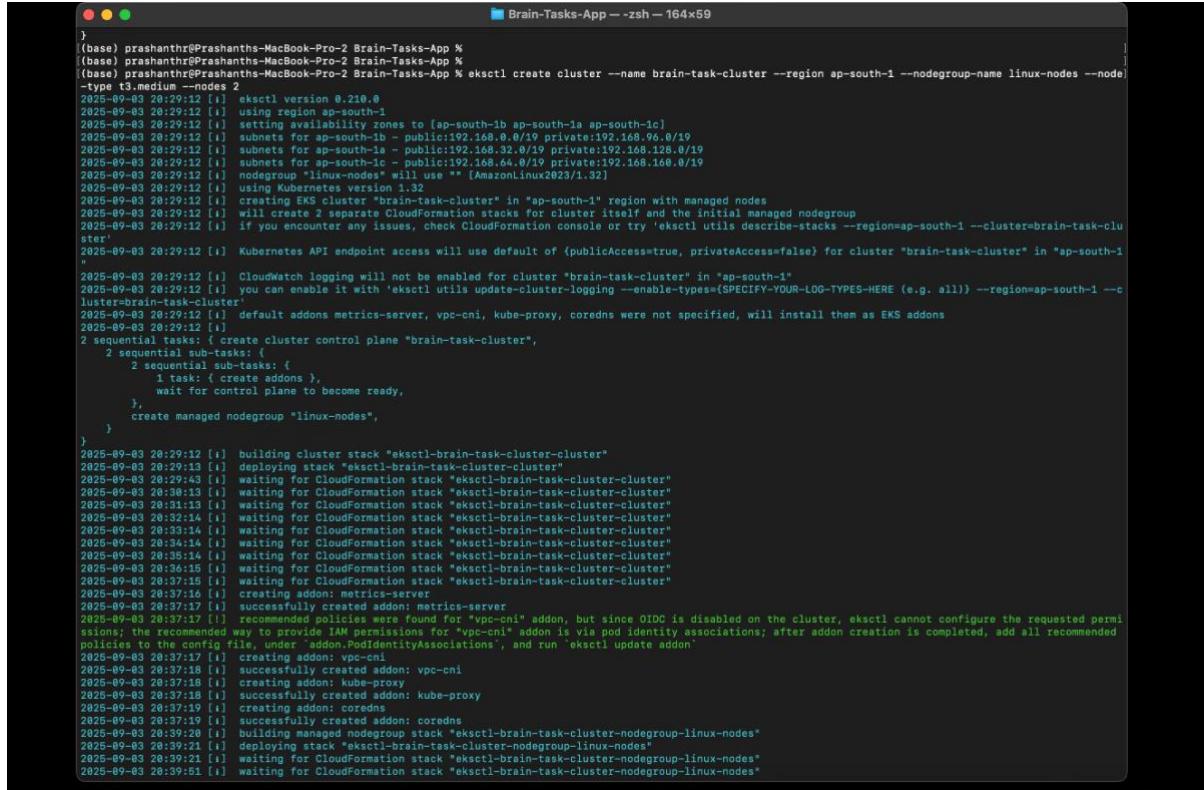
aws: error: the following arguments are required: --repository-name

(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % aws ecr describe-images --repository-name aws-brain-task-app-docker --region ap-south-1
{
  "imageDetails": [
    {
      "registryId": "235391889675",
      "repositoryName": "aws-brain-task-app-docker",
      "imageDigest": "sha256:cfbd122655ad9822fd0b07b67536ed2b5f257b8ad4526aaed6cbd778a5e9b2d70",
      "imageSizeInBytes": 1342,
      "imagePushedAt": "2025-09-03T20:22:34.664000+05:30",
      "imageManifestMediaType": "application/vnd.oci.image.manifest.v1+json",
      "artifactMediaType": "application/vnd.oci.image.config.v1+json"
    },
    {
      "registryId": "235391889675",
      "repositoryName": "aws-brain-task-app-docker",
      "imageDigest": "sha256:a72756a1d1e97f964d5e31b64da5b99f5825745c1b8f5821187e860cb69c9ce6",
      "imageSizeInBytes": 28039184,
      "imagePushedAt": "2025-09-03T20:22:34.662000+05:30",
      "imageManifestMediaType": "application/vnd.oci.image.manifest.v1+json",
      "artifactMediaType": "application/vnd.oci.image.config.v1+json",
      "lastRecordedPullTime": "2025-09-03T20:22:34.875000+05:30"
    },
    {
      "registryId": "235391889675",
      "repositoryName": "aws-brain-task-app-docker",
      "imageDigest": "sha256:b1751a8aa79f1ddc347a17e40a5651345dbbf92478301aa82fc46620052975f2",
      "imageTags": [
        "latest"
      ],
      "imageSizeInBytes": 23839184,
      "imagePushedAt": "2025-09-03T20:22:34.972000+05:30",
      "imageManifestMediaType": "application/vnd.oci.image.index.v1+json"
    }
  ]
}
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
```

=====

Kubernetes:

- Setup Kubernetes in AWS EKS and Confirm EKS cluster is running.



```
Brain-Tasks-App -- zsh - 164x59

(base) prashanthr@Prashanth's-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanth's-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanth's-MacBook-Pro-2 Brain-Tasks-App % eksctl create cluster --name brain-task-cluster --region ap-south-1 --nodegroup-name linux-nodes --node-type t3-medium --nodes 2
2025-09-03 20:29:12 [i] eksctl version 0.218.0
2025-09-03 20:29:12 [i] setting Region ap-south-1
2025-09-03 20:29:12 [i] setting availability zones to [ap-south-1b ap-south-1a ap-south-1c]
2025-09-03 20:29:12 [i] subnets for ap-south-1b - public:192.168.0.0/19 private:192.168.96.0/19
2025-09-03 20:29:12 [i] subnets for ap-south-1a - public:192.168.32.0/19 private:192.168.128.0/19
2025-09-03 20:29:12 [i] subnets for ap-south-1c - public:192.168.64.0/19 private:192.168.160.0/19
2025-09-03 20:29:12 [i] nodegroup "linux-nodes" will use "" (AmazonLinux2023/1.32)
2025-09-03 20:29:12 [i] using Kubernetes version 1.32
2025-09-03 20:29:12 [i] creating EKS cluster "brain-task-cluster" in "ap-south-1" region with managed nodes
2025-09-03 20:29:12 [i] will create 2 separate CloudFormation stacks for cluster itself and the initial managed nodegroup
2025-09-03 20:29:12 [i] if you encounter any issues, check CloudFormation console or try `eksctl utils describe-stacks --region=ap-south-1 --cluster=brain-task-cluster`
2025-09-03 20:29:12 [i] Kubernetes API endpoint access will use default of (publicAccess=true, privateAccess=false) for cluster "brain-task-cluster" in "ap-south-1"
2025-09-03 20:29:12 [i] CloudWatch logging will not be enabled for cluster "brain-task-cluster" in "ap-south-1"
2025-09-03 20:29:12 [i] you can enable it with `eksctl utils update-cluster-logging --enable-types=(SPECIFY-YOUR-LOG-TYPES-HERE (e.g. all)) --region=ap-south-1 --cluster=brain-task-cluster`
2025-09-03 20:29:12 [i] default addons metrics-server, vpc-cni, kube-proxy, coredns were not specified, will install them as EKS addons
2025-09-03 20:29:12 [i] 2 sequential tasks: { create_cluster control_plane "brain-task-cluster",
  2 sequential sub-tasks:
    2 sequential sub-tasks:
      1 task! { create_addons },
      wait for control plane to become ready,
    },
    create managed nodegroup "linux-nodes",
  }
}
2025-09-03 20:29:12 [i] building cluster stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:29:13 [i] deploying stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:29:13 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:29:13 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:31:13 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:32:13 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:32:14 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:32:14 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:34:14 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:35:14 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:36:15 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:37:15 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:37:16 [i] creating addon: metrics-server
2025-09-03 20:37:17 [i] successfully created addon: metrics-server
2025-09-03 20:37:17 [i] recommended policies were found for "vpc-cni" addon, but since OIDC is disabled on the cluster, eksctl cannot configure the requested permissions. The recommended way to provide IAM permissions for "vpc-cni" addon is via pod identity associations; after addon creation is completed, add all recommended policies to the config files, update the addon PodIdentityAssociations, and run `eksctl update addon`
2025-09-03 20:37:17 [i] creating addon: vpc-cni
2025-09-03 20:37:18 [i] successfully created addon: vpc-cni
2025-09-03 20:37:18 [i] creating addon: kube-proxy
2025-09-03 20:37:18 [i] successfully created addon: kube-proxy
2025-09-03 20:37:19 [i] creating addon: coredns
2025-09-03 20:37:19 [i] successfully created addon: coredns
2025-09-03 20:37:20 [i] building managed nodegroup stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:39:21 [i] deploying stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:39:21 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:39:51 [i] waiting for CloudFormation stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
```

```

  1 task: { create addons },
    wait for control plane to become ready,
  },
  create managed nodegroup "linux-nodes",
}

2025-09-03 20:29:12 [...] building cluster stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:29:13 [...] deploying stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:29:43 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:30:13 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:32:13 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:32:14 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:34:14 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:35:14 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:36:15 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:37:15 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-cluster"
2025-09-03 20:37:16 [...] creating addon: metrics-server
2025-09-03 20:37:17 [...] successfully created addon: metrics-server
2025-09-03 20:37:17 [...] recommended policies were found for "vpc-cni" addon, but since OIDC is disabled on the cluster, eksctl cannot configure the requested permissions. If you need to enable them, you can do so by adding the "vpc-cni" addon to your cluster's "clusterIdentityAssociations", and run "eksctl update addon".
2025-09-03 20:37:17 [...] creating addon: vpc-cni
2025-09-03 20:37:18 [...] successfully created addon: vpc-cni
2025-09-03 20:37:18 [...] creating addon: kube-proxy
2025-09-03 20:37:18 [...] successfully created addon: kube-proxy
2025-09-03 20:37:19 [...] creating addon: coredns
2025-09-03 20:37:19 [...] successfully created addon: coredns
2025-09-03 20:37:20 [...] building managed nodegroup stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:37:21 [...] deploying stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:37:30 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:39:51 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:40:51 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:41:39 [...] waiting for CloudFormation stack "eksctl-brain-task-cluster-nodegroup-linux-nodes"
2025-09-03 20:41:40 [...] waiting for the control plane to become ready
2025-09-03 20:41:40 [...] saved kubeconfig as "/Users/prashanthr/.kube/config"
2025-09-03 20:41:40 [...] no tasks
2025-09-03 20:41:40 [...] all EKS cluster resources for "brain-task-cluster" have been created
2025-09-03 20:41:40 [...] nodegroup "linux-nodes" has 2 node(s)
2025-09-03 20:41:40 [...] node "ip-192-168-15-218.ap-south-1.compute.internal" is ready
2025-09-03 20:41:40 [...] node "ip-192-168-43-248.ap-south-1.compute.internal" is ready
2025-09-03 20:41:40 [...] waiting for at least one node(s) to become ready in "linux-nodes"
2025-09-03 20:41:40 [...] nodegroup "linux-nodes" has 2 node(s)
2025-09-03 20:41:40 [...] node "ip-192-168-15-218.ap-south-1.compute.internal" is ready
2025-09-03 20:41:40 [...] node "ip-192-168-43-248.ap-south-1.compute.internal" is ready
2025-09-03 20:41:40 [...] created 1 managed nodegroup(s) in cluster "brain-task-cluster"
2025-09-03 20:41:40 [...] kubectl command should work with "/Users/prashanthr/.kube/config", try "kubectl get nodes"
2025-09-03 20:41:40 [...] EKS cluster "brain-task-cluster" in "ap-south-1" region is ready
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % aws eks update-kubeconfig --name brain-task-cluster --region ap-south-1
Added new context arn:aws:eks:ap-south-1:235391889675:cluster/brain-task-cluster to /Users/prashanthr/.kube/config
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % kubectl get nodes
NAME           STATUS   ROLES   AGE   VERSION
ip-192-168-15-218.ap-south-1.compute.internal   Ready   <none>   84s   v1.32.7-eks-3abbe1
ip-192-168-43-248.ap-south-1.compute.internal   Ready   <none>   84s   v1.32.7-eks-3abbe1
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano deployment.yaml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano deployment.yaml

```

- Write deployment and service YAML files.

```

2025-09-03 20:41:40 [...] EKS cluster "brain-task-cluster" in "ap-south-1" region is ready
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % aws eks update-kubeconfig --name brain-task-cluster --region ap-south-1
Added new context arn:aws:eks:ap-south-1:235391889675:cluster/brain-task-cluster to /Users/prashanthr/.kube/config
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % kubectl get nodes
NAME           STATUS   ROLES   AGE   VERSION
ip-192-168-15-218.ap-south-1.compute.internal   Ready   <none>   84s   v1.32.7-eks-3abbe1
ip-192-168-43-248.ap-south-1.compute.internal   Ready   <none>   84s   v1.32.7-eks-3abbe1
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano deployment.yaml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano deployment.yaml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cat deployment.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: brain-task-app
  labels:
    app: brain-task-app
spec:
  replicas: 2
  selector:
    matchLabels:
      app: brain-task-app
  template:
    metadata:
      labels:
        app: brain-task-app
    spec:
      containers:
        - name: brain-task-app
          image: 235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker:latest
          ports:
            - containerPort: 80
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano service.yaml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cat service.yaml
apiVersion: v1
kind: Service
metadata:
  name: brain-task-app-service
spec:
  type: LoadBalancer
  selector:
    app: brain-task-app
  ports:
    - port: 80
      targetPort: 80
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % kubectl apply -f deployment.yaml
deployment.apps/brain-task-app created
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % kubectl apply -f service.yaml
service/brain-task-app-service created
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % mkdir k8s
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % mv deployment.yaml k8s/
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % mv service.yaml k8s/

```

- Deploy using kubectl via Codedeploy.

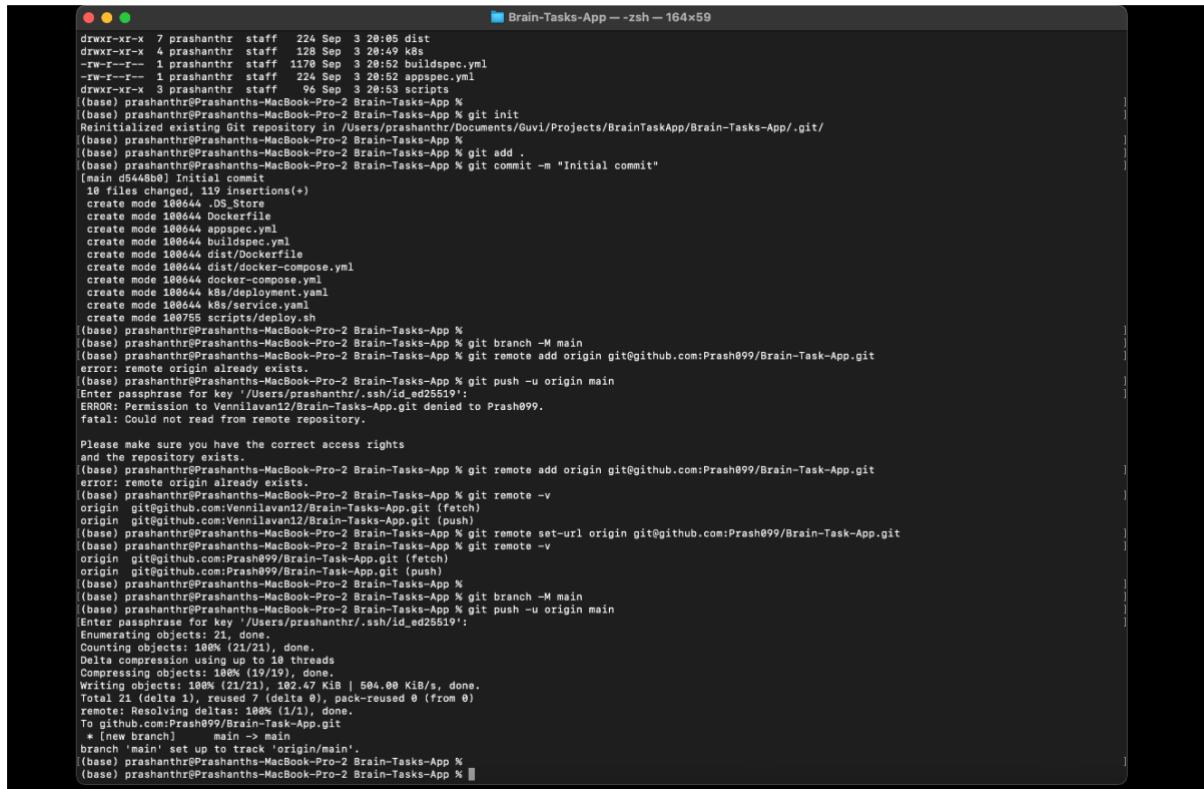
```
Brain-Tasks-App -- zsh - 164x59
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % kubectl apply -f deployment.yaml
deployment.apps/brain-task-app created
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % kubectl apply -f service.yaml
service/brain-task-app-service created
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % mkdir k8s
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % mv deployment.yaml k8s/
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % mv service.yaml k8s/
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % ls
Dockerfile          dist           docker-compose.yml      k8s
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cd k8s
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % k8s % ls
deployment.yaml     service.yaml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cd ..
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano buildspec.yml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano buildspec.yml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cat buildspec.yml
version: 0.2

phases:
  pre_build:
    commands:
      - echo Logging in to Amazon ECR...
      - aws --version
      - aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 235391889675.dkr.ecr.ap-south-1.amazonaws.com
      - REPO_URI=235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker
      - COMMIT_HASH=$echo $CODEBUILD_RESOLVED_SOURCE_VERSION | cut -c 1-7
      - IMAGE_TAG=${COMMIT_HASH:latest}
  build:
    commands:
      - echo Build started on `date`
      - echo Building the Docker image...
      - docker build -t $REPO_URI:$IMAGE_TAG .
      - docker push $REPO_URI:$IMAGE_TAG
  post_build:
    commands:
      - echo Writing image definitions file...
      - printf "[{"name":"brain-task-app","imageUri":"%s"}] $REPO_URI:$IMAGE_TAG > imagedefinitions.json
      - echo Applying manifest to EKS...
      - aws eks update-kubeconfig --region ap-south-1 --name brain-task-cluster
      - sed -i "s|<IMAGE_URI>|$REPO_URI:$IMAGE_TAG|g" k8s/deployment.yaml
      - kubectl apply -f k8s/deployment.yaml
      - kubectl apply -f k8s/service.yaml
  artifacts:
    files:
      - imagedefinitions.json
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano appspec.yml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cat appspec.yml
version: 0.0
Resources:
  - TargetService:
    Type: AWS::EKS::Container
    Properties:
      TaskDefinition:
        - echo Writing image definitions file...
        - printf "[{"name":"brain-task-app","imageUri":"%s"}] $REPO_URI:$IMAGE_TAG > imagedefinitions.json
        - echo Applying manifest to EKS...
        - aws eks update-kubeconfig --region ap-south-1 --name brain-task-cluster
        - sed -i "s|<IMAGE_URI>|$REPO_URI:$IMAGE_TAG|g" k8s/deployment.yaml
        - kubectl apply -f k8s/deployment.yaml
        - kubectl apply -f k8s/service.yaml
      artifacts:
        files:
          - imagedefinitions.json
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % nano appspec.yml
(base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cat appspec.yml
version: 0.0
Resources:
  - TargetService:
    Type: AWS::EKS::Container
    Properties:
      TaskDefinition:
        hooks:
          AfterAllowTestTraffic:
            - location: scripts/deploy.sh
            - timeout: 300
            - runsAs: root
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % mkdir scripts
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % cd scripts
        (base) prashanthr@Prashanths-MacBook-Pro-2 scripts % nano deploy.sh
        (base) prashanthr@Prashanths-MacBook-Pro-2 scripts % cat deploy.sh
        #!/bin/bash
        set -e
        echo "Deploying to EKS..."
        aws eks update-kubeconfig --region ap-south-1 --name brain-task-cluster
        kubectl apply -f k8s/deployment.yaml
        kubectl apply -f k8s/service.yaml
        (base) prashanthr@Prashanths-MacBook-Pro-2 scripts %
        (base) prashanthr@Prashanths-MacBook-Pro-2 scripts % chmod +x scripts/deploy.sh
        chmod: scripts/deploy.sh: No such file or directory
        chmod: /deploy.sh: No such file or directory
        (base) prashanthr@Prashanths-MacBook-Pro-2 scripts % cd ..
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % chmod +x scripts/deploy.sh
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % ls -ltr
        total 32
        -rw-r--r-- 1 prashanthr staff 133 Aug 31 18:38 docker-compose.yaml
        -rw-r--r-- 1 prashanthr staff 102 Aug 31 18:46 Dockerfile
        drwxr-xr-x  7 prashanthr staff 224 Sep 3 20:05 dist
        drwxr-xr-x  4 prashanthr staff 104 Sep 3 20:05 k8s
        -rwxr--r--  1 prashanthr staff 1170 Sep 3 20:52 buildspec.yaml
        -rwxr--r--  1 prashanthr staff 224 Sep 3 20:52 appspec.yaml
        drwxr-xr-x  3 prashanthr staff 96 Sep 3 20:53 scripts
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App %
        (base) prashanthr@Prashanths-MacBook-Pro-2 Brain-Tasks-App % git init
```

=====

Version Control:

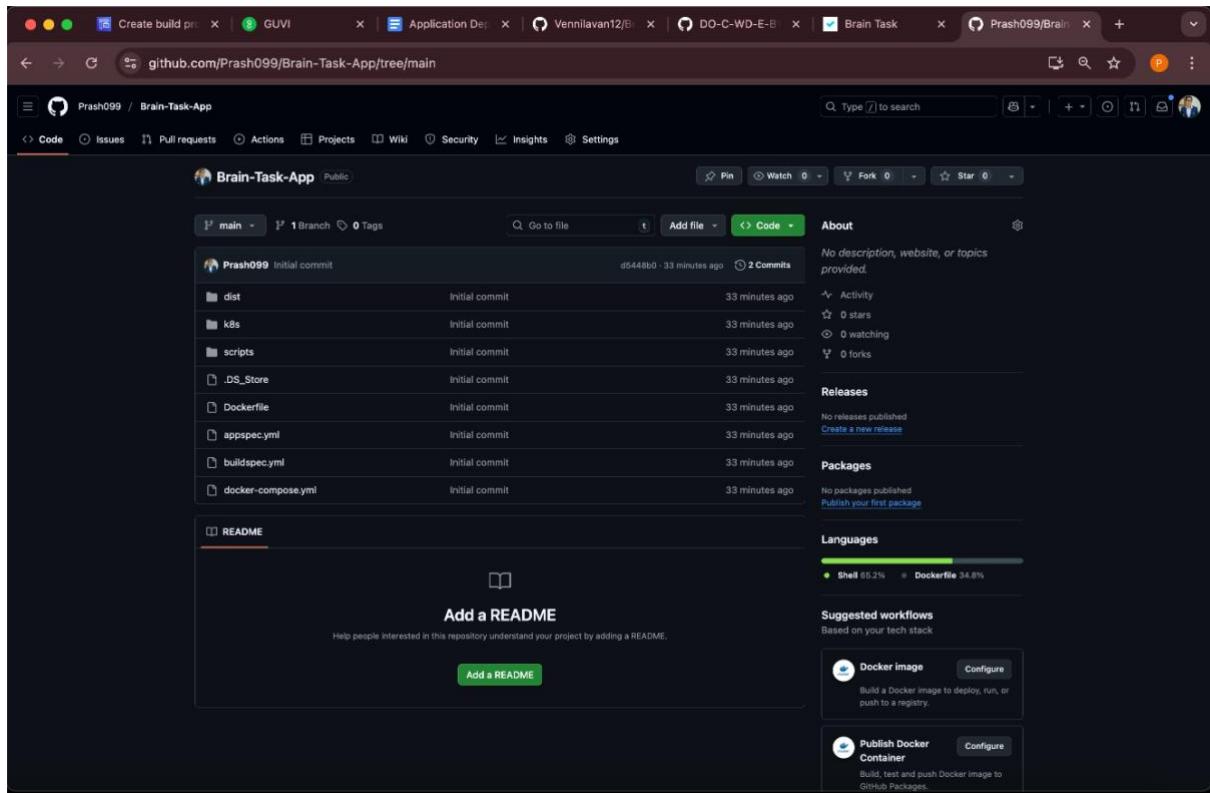
- Push the codebase to a Git provider (GitHub).
- Use CLI commands to push code.



The screenshot shows a terminal window titled "Brain-Tasks-App — zsh — 164x59". The terminal displays a series of git commands being run:

```
drwxr-xr-x 7 prashanthr staff 224 Sep 3 20:05 dist
drwxr-xr-x 4 prashanthr staff 128 Sep 3 20:49 k8s
-rw-r--r-- 1 prashanthr staff 117 Sep 3 20:52 buildspec.yml
-rw-r--r-- 1 prashanthr staff 224 Sep 3 20:52 appspec.yml
drwxr-xr-x 3 prashanthr staff 96 Sep 3 20:53 scripts
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git init
Reinitialized existing Git repository in /Users/prashanthr/Documents/Guvi/Projects/BrainTaskApp/Brain-Tasks-App/.git/
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git add .
[main d5448b0] Initial commit
 1 file changed, 110 insertions(+)
 create mode 100644 .DS_Store
 create mode 100644 Dockerfile
 create mode 100644 appspec.yml
 create mode 100644 buildspec.yml
 create mode 100644 dist/Dockerfile
 create mode 100644 dist/docker-compose.yml
 create mode 100644 docker-compose.yml
 create mode 100644 k8s/deployment.yaml
 create mode 100644 k8s/service.yaml
 create mode 100755 scripts/deploy.sh
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git branch -M main
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git remote add origin git@github.com:Prash099/Brain-Task-App.git
error: remote origin already exists.
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git push -u origin main
Enter passphrase for key '/Users/prashanthr/.ssh/id_ed25519':
ERROR: Permission to Vennilavan12/Brain-Tasks-App.git denied to Prash099.
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git remote add origin git@github.com:Prash099/Brain-Task-App.git
error: remote origin already exists
origin git@github.com:Vennilavan12/Brain-Tasks-App.git (fetch)
origin git@github.com:Vennilavan12/Brain-Tasks-App.git (push)
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git remote set-url origin git@github.com:Prash099/Brain-Task-App.git
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git remote -v
origin git@github.com:Prash099/Brain-Task-App.git (fetch)
origin git@github.com:Prash099/Brain-Task-App.git (push)
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git branch -M main
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ git push -u origin main
Enter passphrase for key '/Users/prashanthr/.ssh/id_ed25519':
Enumerating objects: 21, done.
Counting objects: 100% (21/21), done.
Delta compression using up to 10 threads
Compressing objects: 100% (19/19), done.
Writing objects: 100% (21/21), 102.47 KiB | 504.00 KiB/s, done.
Total 21 (delta 1), reused 7 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (21/21), done.
To https://github.com/Prash099/Brain-Task-App.git
 * [new branch]    main > main
branch 'main' set up to track 'origin/main'.
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
(base) prashanthr@Prashanths-MacBook-Pro-2:~$ Brain-Tasks-App %
```



CodeBuild:

- Create a CodeBuild project:
- Source: Connect to your repository
- Environment: Use managed image (Amazon Linux, Ubuntu)
- Write and define commands in buildspec.yml.

Create build project

Project configuration

Project name: BrainTaskApp-Build
 A project name must be 2 to 255 characters. It can include the letters A-Z and a-z, the numbers 0-9, and the special characters - and _.

Project type: Select what type of project you would like to create. Info [\[Info\]](#)

- Default project Create a custom CodeBuild project.
- Runner project Create a CodeBuild managed runner for workflows in GitHub Actions, GitHub Enterprise Actions, GitLab, or Buildkite.

Additional configuration
 Description, public build access, build badge, concurrent build limit, tags

Source

Source 1 - Primary

Source provider: GitHub

Credential: Your account is successfully connected by using an AWS managed GitHub App. Manage account credentials.

Use override credentials for this project only

Repository:

- Repository in my GitHub account
- Public repository
- GitHub scoped webhook

Source 1 - Primary

Source provider: GitHub

Credential: Your account is successfully connected by using an AWS managed GitHub App. Manage account credentials.

Use override credentials for this project only

Repository:

- Repository in my GitHub account
- Public repository
- GitHub scoped webhook

Repository URL: https://github.com/Prash099/Brain-Task-App
 https://github.com/{user-name}/{repository-name}

Source version - optional info: Enter a pull request, branch, commit ID, tag, or reference and a commit ID.

Environment

Provisioning model info [\[Info\]](#)

- On-demand Automatically provision build infrastructure in response to new builds.
- Reserved capacity Use a dedicated fleet of instances for builds. A fleet's compute and environment type will be used for the project.

Environment image:

- Managed image
- Custom image

Create build project

Search [Option+Shift]

aws Account ID: 2353-9186-9675 Asia Pacific (Mumbai) Prashanth

EC2 Optimized for flexibility during action runs

Lambda Optimized for speed and minimizes the start up time of workflow actions

Container Running on Docker container

Instance Running on EC2 instance directly

Operating system Amazon Linux

Runtime(s) Standard

Image aws/codebuild/amazonlinux-x86_64-standard:5.0

Image version Always use the latest image for this runtime version

Service role New service role Create a service role in your account Existing service role Choose an existing service role from your account

Role name codebuild-BrainTaskApp-Build-service-role

Type your service role name

Additional configuration Timeout, privileged, certificate, VPC, compute type, environment variables, file systems, auto-retry, registry credential

Buildspec

Build specifications Insert build commands Store build commands as build project configuration Use a buildspec file Store build commands in a YAML-formatted buildspec file

Buildspec name - optional By default, CodeBuild looks for a file named buildspec.yml in the source code root directory. If your buildspec file uses a different name or location, enter its path from the source root here (for example, buildspec-two.yml or configuration/buildspec.yml). buildspec.yml

Batch configuration You can run a group of builds as a single execution. Batch configuration is also available in advanced option when starting build.

Define batch configuration - optional You can also define or override batch configuration when starting a build batch.

Artifacts Add artifact

Artifact 1 - Primary Type No artifacts You might choose no artifacts if you are running tests or pushing a Docker image to Amazon ECR.

Additional configuration Cache, encryption key

Logs CloudWatch

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Create build project

Search [Option+Shift]

aws Account ID: 2353-9186-9675 Asia Pacific (Mumbai) Prashanth

Buildspec

Build specifications Insert build commands Store build commands as build project configuration Use a buildspec file Store build commands in a YAML-formatted buildspec file

Buildspec name - optional By default, CodeBuild looks for a file named buildspec.yml in the source code root directory. If your buildspec file uses a different name or location, enter its path from the source root here (for example, buildspec-two.yml or configuration/buildspec.yml). buildspec.yml

Batch configuration You can run a group of builds as a single execution. Batch configuration is also available in advanced option when starting build.

Define batch configuration - optional You can also define or override batch configuration when starting a build batch.

Artifacts Add artifact

Artifact 1 - Primary Type No artifacts You might choose no artifacts if you are running tests or pushing a Docker image to Amazon ECR.

Additional configuration Cache, encryption key

Logs CloudWatch

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The screenshot shows a GitHub repository named 'Prash099/Brain-Task-App'. The 'main' branch is selected, and the 'buildspec.yml' file is open. The code in the file is as follows:

```
version: 0.2
phases:
  pre_build:
    commands:
      - echo Logging in to Amazon ECR...
      - aws --version
      - aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 235391889675.dkr.ecr.ap-south-1.amazonaws.com
      - REPO_URL=235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-app-docker
      - COMMIT_HASH=$(echo $CODEBUILD_RESOLVED_SOURCE_VERSION | cut -c 1-7)
      - IMAGE_TAG=$COMMIT_HASH:latest
  build:
    commands:
      - echo Build started on `date`
      - echo Building the Docker Image...
      - docker build -t $REPO_URL:$IMAGE_TAG .
      - docker push $REPO_URL:$IMAGE_TAG
  post_build:
    commands:
      - echo "Updating deployment.yaml with new image..."
      - sed -i "s|$REPO_URL:$IMAGE_TAG|`$REPO_URL:$IMAGE_TAG`|g" k8s/deployment.yaml
      - echo "Deploying to EKS..."
      - aws eks update-kubeconfig --region ap-south-1 --name brain-task-cluster
      - kubectl apply -f k8s/deployment.yaml
      - kubectl apply -f k8s/service.yaml
  artifacts:
    files:
      - imagedefinitions.json
```

The screenshot shows the AWS CodeBuild console. On the left, there is a navigation sidebar with 'Developer Tools' and 'CodeBuild' selected. Under 'CodeBuild', 'Build projects' is expanded, and 'Build project' is selected. The main area displays the 'BrainTaskApp-Build' project configuration. The configuration details are as follows:

- Source provider: GitHub
- Primary repository: Prash099/Brain-Task-App
- Artifacts upload location: -
- Service role: arn:aws:iam::235391889675:role/service-role/codebuild-BrainTaskApp-Build-service-role-NEW2

The 'Build history' tab is selected, showing the following table:

Build run	Status	Build number	Source version	Submitter	Duration	Completed
No results There are no results to display.						

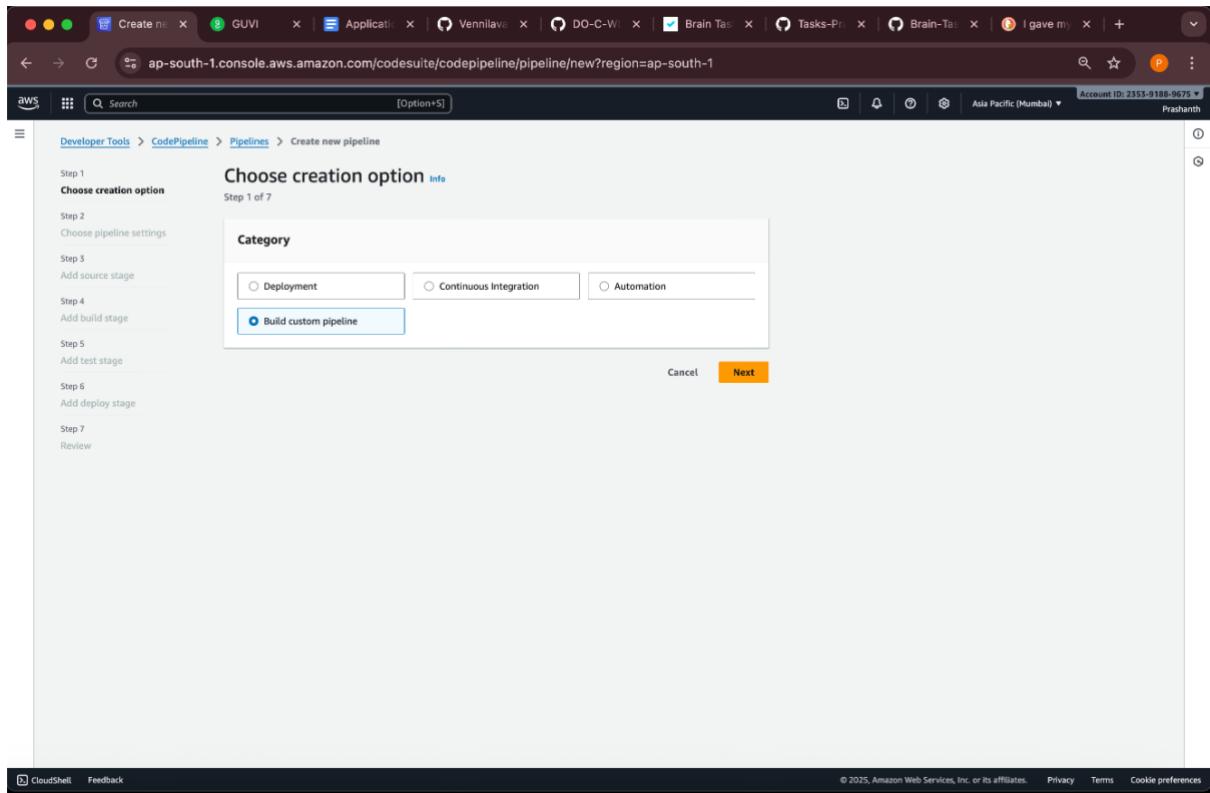
=====

CodePipeline:

- Source: GitHub
- Build: AWS CodeBuild project
- Deploy: AWS CodeDeploy or deploy to EKS via Lambda or custom script.

The screenshot shows the AWS IAM Roles page. The left sidebar has sections for Identity and Access Management (IAM), Access management (with sub-options like User groups, Roles, Policies, Identity providers, Account settings, and Root access management), Access reports (with sub-options like Resource analyzer, Unused access, Analyzer settings, Credential report, Organization activity, Service control policies, and Resource control policies), and IAM Identity Center/AWS Organizations. The main content area is titled 'codebuild-BrainTaskApp-Build-service-role-NEW2'. It shows a summary with creation date (September 03, 2025, 21:31 (UTC+05:30)), last activity (39 minutes ago), ARN (arn:aws:iam:235391889675:role/service-role/codebuild-BrainTaskApp-Build-service-role-NEW2), and maximum session duration (1 hour). Below this is a 'Permissions' tab, which lists 13 managed policies attached to the role. The policies include: AmazonEC2ContainerRegistryPowerUser, AmazonEKS_CNI_Policy, AmazonEKSBlockStoragePolicy, AmazonEKSClusterPolicy, AmazonEKSComputePolicy, AmazonEKSDashboardConsoleReadOnly, AmazonEKSFargatePodExecutionRolePolicy, AmazonEKSLoadBalancingPolicy, AmazonEKSLocalOutpostClusterPolicy, AmazonEKSServicePolicy, AWSFaultInjectionSimulatorEKSAccess, CodeBuildBasePolicy-codebuild-BrainTaskApp-Build-service-role-..., and eks. The policies are listed with their type (AWS managed or Customer managed) and the number of attached entities.

Policy name	Type	Attached entities
AmazonEC2ContainerRegistryPowerUser	AWS managed	1
AmazonEKS_CNI_Policy	AWS managed	2
AmazonEKSBlockStoragePolicy	AWS managed	1
AmazonEKSClusterPolicy	AWS managed	3
AmazonEKSComputePolicy	AWS managed	1
AmazonEKSDashboardConsoleReadOnly	AWS managed	1
AmazonEKSFargatePodExecutionRolePolicy	AWS managed	1
AmazonEKSLoadBalancingPolicy	AWS managed	2
AmazonEKSLocalOutpostClusterPolicy	AWS managed	1
AmazonEKSServicePolicy	AWS managed	1
AWSFaultInjectionSimulatorEKSAccess	AWS managed	1
CodeBuildBasePolicy-codebuild-BrainTaskApp-Build-service-role-...	Customer managed	1
eks	Customer inline	0



Choose pipeline settings

Pipeline name: BrainTaskApp-Pipeline

Execution mode: Queued

Service role: New service role

Role name: AWSCodePipelineServiceRole-ap-south-1-BrainTaskApp-PipelineNEW

Allow AWS CodePipeline to create a service role so it can be used with this new pipeline

Advanced settings

Cancel Previous Next

Add source stage

Source provider: GitHub (via OAuth app)

You have successfully configured the action with the provider.

The GitHub (via OAuth app) action is not recommended

Repository: Prash099/Brain-Task-App

Branch: main

Enable automatic retry on stage failure

Cancel Previous Next

Step 2 Choose pipeline settings

Step 3 Add source stage

Step 4 Add build stage

Step 5 Add test stage

Step 6 Add deploy stage

Step 7 Review

Build - optional

Build provider
Choose the tool you want to use to run build commands and specify artifacts for your build action.

Commands Other build providers

AWS CodeBuild

Project name
Choose a build project that you have already created in the AWS CodeBuild console. Or create a build project in the AWS CodeBuild console and then return to this task.

Q BrainTaskApp-Build

Define buildspec override - optional
Buildspec file or definition that overrides the latest one defined in the build project, for this build only.

Environment variables - optional
Choose the key, value, and type for your CodeBuild environment variables. In the value field, you can reference variables generated by CodePipeline. Learn more

Build type

Single build
Triggers a single build. Batch build
Triggers multiple builds as a single execution.

Region
Asia Pacific (Mumbai)

Input artifacts
Choose an input artifact for this action. Learn more

SourceArtifact

Enable automatic retry on stage failure

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ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/BrainTaskApp-Pipeline/view?region=ap-south-1&tab=visualization

aws Search [Option+S] Account ID: 2353-9188-9675 Prashanth

Introducing the new pipeline experience
We've redesigned the pipeline view to streamline the monitoring and debugging experience. Let us know what you think. Or go back to the old experience.

Success Stage Build successfully retried

Developer Tools > CodePipeline > Pipelines > BrainTaskApp-Pipeline

Edit Stop execution Create trigger Clone pipeline Release change

Pipeline Executions Triggers Settings Tags Stage

BrainTaskApp-Pipeline

Source Build

67653dca-b5f2-4c01-9ca6-f50b8be21b3f All actions succeeded.

Source GitHub (via OAuth app) 19 minutes ago

6c1ccfe5 Source: Update bu

67653dca-b5f2-4c01-9ca6-f50b8be21b3f All actions succeeded.

Build AWS CodeBuild Just now

6c1ccfe5 Source: Update bu

Don't show again

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TRIGGERING A NEW COMMIT

The screenshot shows the AWS IAM Roles page. A green banner at the top indicates "Policy eks created." The role "codebuild-BrainTaskApp-Build-service-role-NEW2" is listed. The "Permissions" tab is selected, showing 13 managed policies attached. The policies include:

- AmazonEC2ContainerRegistryPowerUser
- AmazonEKS_CNI_Policy
- AmazonEKSBlobStoragePolicy
- AmazonEKSClusterPolicy
- AmazonEKSComputePolicy
- AmazonEKSConsoleReadOnly
- AmazonEKSFargatePodExecutionRolePolicy
- AmazonEKSLoadBalancingPolicy
- AmazonEKSLocalOutpostClusterPolicy
- AmazonEKSServicePolicy
- AWSFaultInjectionSimulatorEKSAccess
- CodeBuildBasePolicy-codebuild-BrainTaskApp-Build-service-role-NEW2
- eks

The screenshot shows the GitHub commit dialog for the file ".DS_Store". The commit message is "Delete .DS_Store". The "Commit directly to the main branch" option is selected. The "Commit changes" button is visible at the bottom right.

Introducing the new pipeline experience
We've redesigned the pipeline view to streamline the monitoring and debugging experience. [Let us know what you think.](#) Or go back to the old experience.

Developer Tools > CodePipeline > Pipelines > BrainTaskApp-Pipeline

BrainTaskApp-Pipeline

Pipeline Executions Triggers Settings Tags Stage

Source #4f1a689-2122-426b-8689-1a817dac9850 All actions succeeded.
Source GitHub (via OAuth app) Just now 488f4b05 Source: Delete DS

Build #4f1a689-2122-426b-8689-1a817dac9850 In progress:
Build AWS CodeBuild Just now 488f4b05 Source: Delete DS

Edit Stop execution Create trigger Clone pipeline Release change

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Introducing the new pipeline experience
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Developer Tools > CodePipeline > Pipelines > BrainTaskApp-Pipeline

BrainTaskApp-Pipeline

Pipeline Executions Triggers Settings Tags Stage

Source #4f1a689-2122-426b-8689-1a817dac9850 All actions succeeded.
Source GitHub (via OAuth app) Just now 488f4b05 Source: Delete DS

Build #4f1a689-2122-426b-8689-1a817dac9850 All actions succeeded.
Build AWS CodeBuild Just now 488f4b05 Source: Delete DS

Edit Stop execution Create trigger Clone pipeline Release change

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Introducing the new pipeline experience
We've redesigned the pipeline view to streamline the monitoring and debugging experience. [Let us know what you think.](#) Or go back to the old experience.

[Developer Tools](#) > [CodePipeline](#) > [Pipelines](#) > BrainTaskApp-Pipeline

BrainTaskApp-Pipeline

[Edit](#) [Stop execution](#) [Create trigger](#) [Clone pipeline](#) [Release change](#)

Execution ID	Status	Source revisions	Trigger	Started	Duration	Completed
ff4fa689	Succeeded	Source - 488f4b05 : Delete .DS_Store	Webhook - arnaws:codepipeline:ap-south-1:235391889675:webhook:BrainTaskAppPipeline--Source--Prash099BrainTaskApp--1287871391	Sep 3, 2025 10:18 PM (UTC+5:30)	1 minute 8 seconds	Sep 3, 2025 10:19 PM (UTC+5:30)
67653dca	Succeeded	Source - 6c1cfef5 : Update buildspec.yml	Webhook - arnaws:codepipeline:ap-south-1:235391889675:webhook:BrainTaskAppPipeline--Source--Prash099BrainTaskApp--1287871391	Sep 3, 2025 9:57 PM (UTC+5:30)	18 minutes 58 seconds	Sep 3, 2025 10:16 PM (UTC+5:30)
090519fa	Failed	Source - a39f3f24 : Update buildspec.yml	Webhook - arnaws:codepipeline:ap-south-1:235391889675:webhook:BrainTaskAppPipeline--Source--Prash099BrainTaskApp--1287871391	Sep 3, 2025 9:54 PM (UTC+5:30)	1 minute 40 seconds	Sep 3, 2025 9:56 PM (UTC+5:30)
1c7b044b	Failed	Source - ad851f6b : Update buildspec.yml	Webhook - arnaws:codepipeline:ap-south-1:235391889675:webhook:BrainTaskAppPipeline--Source--Prash099BrainTaskApp--1287871391	Sep 3, 2025 9:52 PM (UTC+5:30)	1 minute 9 seconds	Sep 3, 2025 9:53 PM (UTC+5:30)
ee0f8280	Failed	Source - 310ef985 : Update deployment.yaml	CreatePipeline - Prashanth	Sep 3, 2025 9:49 PM (UTC+5:30)	1 minute 10 seconds	Sep 3, 2025 9:50 PM (UTC+5:30)

Introducing the new pipeline experience
We've redesigned the pipeline view to streamline the monitoring and debugging experience. [Let us know what you think.](#) Or go back to the old experience.

[Developer Tools](#) > [CodePipeline](#) > [Pipelines](#) > BrainTaskApp-Pipeline > ff4fa689

Pipeline execution: ff4fa689

Rerun Stop execution < Previous execution Next execution >

Execution summary

Status	Started	Completed	Duration
Succeeded	1 minute ago	Just now	1 minute 8 seconds

Trigger
Webhook - arnaws:codepipeline:ap-south-1:235391889675:webhook:BrainTaskAppPipeline--Source--Prash099BrainTaskApp--1287871391

Pipeline execution ID
[ff4fa689-2f22-426b-8689-1a817dac9850](#)

Latest action execution message

Pipeline execution: ff4fa689

Introducing the new pipeline experience
We've redesigned the pipeline view to streamline the monitoring and debugging experience. Let us know what you think. Or go back to the old experience.

Developer Tools > CodePipeline > Pipelines > BrainTaskApp-Pipeline > ff4fa689

Rerun | Stop execution | < Previous execution | Next execution >

Source All actions succeeded.
Source GitHub (via OAuth app) 1.minute.java

Build All actions succeeded.
Build AWS CodeBuild Just now

Summary | **Timeline** | Variables | Revisions | Stage

Actions

Action name	Stage name	Status	Action provider	Started	Completed	Duration
Source	Source	Succeeded	GitHub (via OAuth app)	2 minutes ago	2 minutes ago	5 seconds
Build	Build	Succeeded	AWS CodeBuild	2 minutes ago	1 minute ago	1 minute 2 seconds

Rules

Name	Stage	Condition	Status	Started	Duration	Reason
------	-------	-----------	--------	---------	----------	--------

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CodeBuild

- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild
 - Getting started
 - Build projects
 - Build project**
 - Settings
 - Build history
 - Report groups
 - Report history
 - Compute fleets New
 - Account metrics
 - Related integrations
 - Jenkins
 - Github Actions New
 - Github runners New
- Deploy • CodeDeploy
- Pipeline • CodePipeline
- Settings
- Go to resource
- Feedback

BrainTaskApp-Build

Actions | Create trigger | Edit | Clone | Debug build | Start build with overrides | **Start build**

Configuration

Source provider	Primary repository Prash099/Brain-Task-App	Artifacts upload location	Service role arn:aws:iam::23531889675:role/service-role/codebuild-BrainTaskApp-Build-service-role-NEW2
Public builds	Disabled		

Build history | Batch history | Project details | Build triggers | Metrics | Debug sessions

Build history

Build run	Status	Build number	Source version	Submitter	Duration	Completed
BrainTaskApp- Buildce269f54-cd55- 4dfb-83bf- 4c4e4c57b25	Succeeded	11	arn:aws:s3:::codepipeline e-ap-south-1- e81180011bce-4b5e- a8df- 80b32984ec1e/BrainTa skApp- Pipeline/SourceArti/2159 485.zip	codepipeline/BrainTask App-Pipeline	35 seconds	1 minute ago
BrainTaskApp- Build40e8215b-3036- 48c3-aaf- 1f1efc26a497	Succeeded	10	arn:aws:s3:::codepipeline e-ap-south-1- e81180011bce-4b5e- a8df- 80b32984ec1e/BrainTa skApp- Pipeline/SourceArti/Z0d	codepipeline/BrainTask App-Pipeline	33 seconds	4 minutes ago

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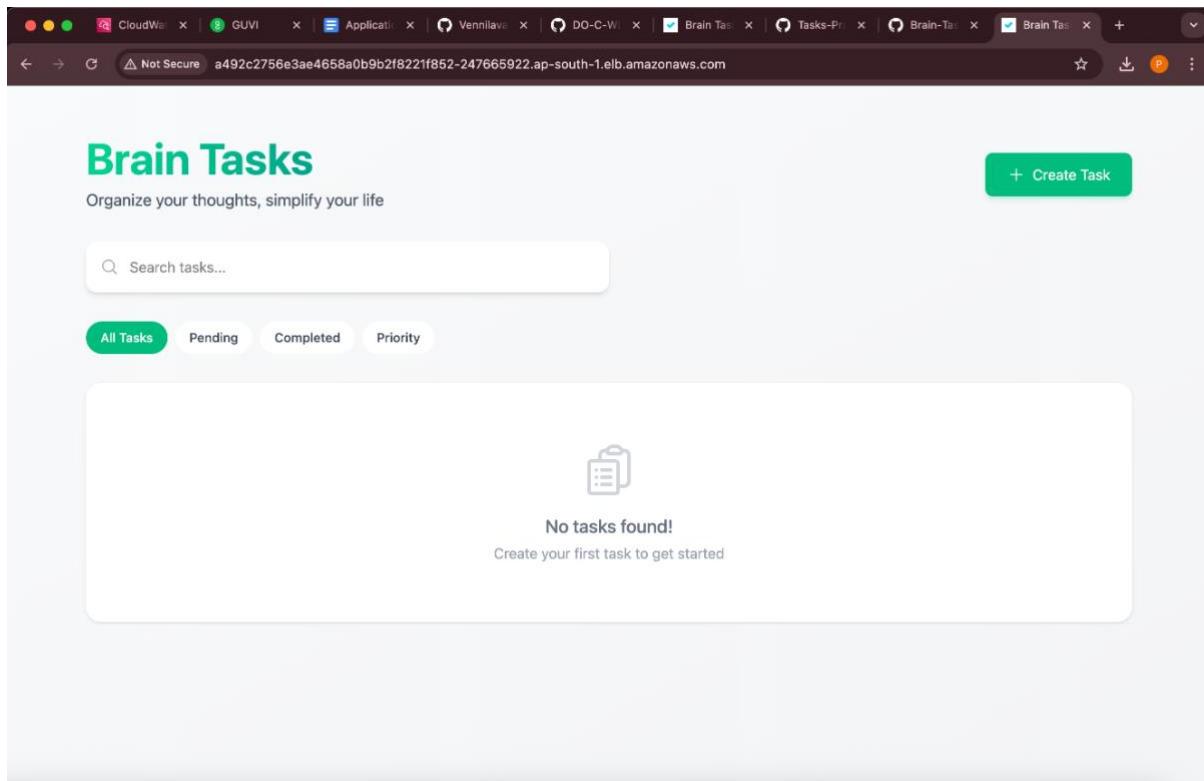
Screenshot of the AWS CodeBuild console showing a successful build for the project "BrainTaskApp-Build".

The build status is "Succeeded".

Build logs:

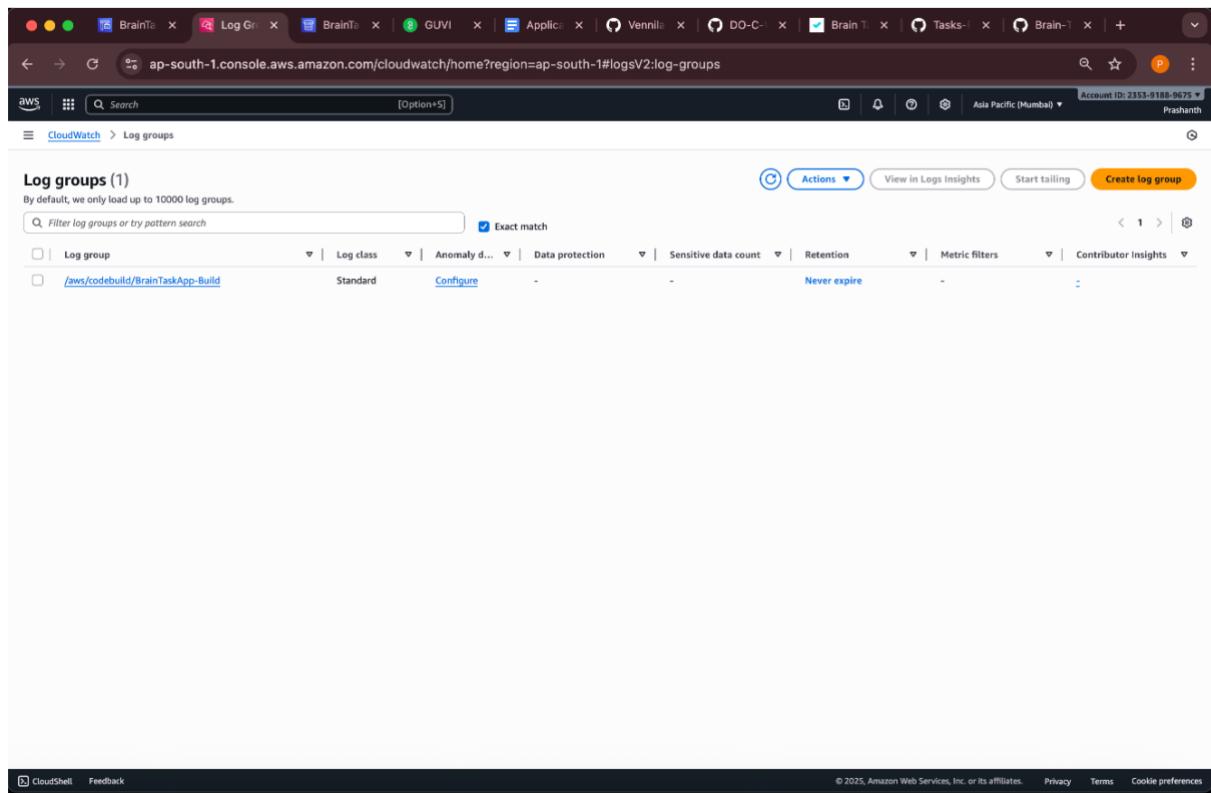
Name	Status	Context	Duration	Start time	End time
SUBMITTED	Succeeded	-	<1 sec	Sep 3, 2025 10:18 PM (UTC+5:30)	Sep 3, 2025 10:18 PM (UTC+5:30)
QUEUED	Succeeded	-	<1 sec	Sep 3, 2025 10:18 PM (UTC+5:30)	Sep 3, 2025 10:18 PM (UTC+5:30)
PROVISIONING	Succeeded	-	7 secs	Sep 3, 2025 10:18 PM (UTC+5:30)	Sep 3, 2025 10:18 PM (UTC+5:30)
DOWNLOAD_SOURCE	Succeeded	-	2 secs	Sep 3, 2025 10:18 PM (UTC+5:30)	Sep 3, 2025 10:18 PM (UTC+5:30)
INSTALL	Succeeded	-	<1 sec	Sep 3, 2025 10:18 PM (UTC+5:30)	Sep 3, 2025 10:18 PM (UTC+5:30)
PRE_BUILD	Succeeded	-	10 secs	Sep 3, 2025 10:18 PM (UTC+5:30)	Sep 3, 2025 10:19 PM (UTC+5:30)
BUILD	Succeeded	-	7 secs	Sep 3, 2025 10:19 PM (UTC+5:30)	Sep 3, 2025 10:19 PM (UTC+5:30)
POST_BUILD	Succeeded	-	5 secs	Sep 3, 2025 10:19 PM (UTC+5:30)	Sep 3, 2025 10:19 PM (UTC+5:30)
UPLOAD_ARTIFACTS	Succeeded	-	<1 sec	Sep 3, 2025 10:19 PM (UTC+5:30)	Sep 3, 2025 10:19 PM (UTC+5:30)
FINALIZING	Succeeded	-	<1 sec	Sep 3, 2025 10:19 PM (UTC+5:30)	Sep 3, 2025 10:19 PM (UTC+5:30)
COMPLETED	Succeeded	-	-	Sep 3, 2025 10:19 PM (UTC+5:30)	-

LOAD BALANCER DEPLOYMENT



Monitoring:

- Use CloudWatch Logs to track build, deploy, and application logs.



Log group details

- Log class: Info
- Standard
- ARN: arn:aws:log:ap-south-1:1235391889675:log-group:/aws/codebuild/BrainTaskApp-Build*
- Creation time: 37 minutes ago
- Retention: Never expire
- Stored bytes: -

Metric filters: 0
Subscription filters: 0
Contributor Insights rules: -
KMS key ID: -
Anomaly detection: Configure

Data protection:
Sensitive data count: -
Custom field indexes: Configure
Transformer: Configure

Log streams (11)	Actions	Create log stream	Search all log streams
Log stream	<input type="checkbox"/>	<input type="checkbox"/> Exact match <input type="checkbox"/> Show expired	Info
ce269f54-cd55-4dfb-83bf-4c4e4c57bb25			2025-09-03 16:48:59 (UTC)
40e8215b-3036-48c3-aafc-1f1efc26a97			2025-09-03 16:45:56 (UTC)
0b7589dc-03d9-4226-9093-84d865485204			2025-09-03 16:33:43 (UTC)
f1cf32e8-aa44-4d29-82e0-7c697a237a67			2025-09-03 16:29:27 (UTC)
be586bf7-c52b-45e9-b0a9-8cd29268231			2025-09-03 16:28:17 (UTC)
4057eba7-9013-4494-9dd9-3a175b52ea51			2025-09-03 16:26:07 (UTC)
791d02f5-5e2e-4e2d-93a9-22ddbcd26e5			2025-09-03 16:25:25 (UTC)

```

timestamp,message
1756918139748,"[Container] 2025/09/03 16:48:53.496262 Running on
CodeBuild On-demand
"
1756918139748,"[Container] 2025/09/03 16:48:53.496274 Waiting for agent
ping
"
1756918139748,"[Container] 2025/09/03 16:48:53.998739 Waiting for
DOWNLOAD_SOURCE
"
1756918139748,"[Container] 2025/09/03 16:48:55.509481 Phase is
DOWNLOAD_SOURCE
"
1756918139748,"[Container] 2025/09/03 16:48:55.510559
CODEBUILD_SRC_DIR=/codebuild/output/src815704890/src
"
1756918139748,"[Container] 2025/09/03 16:48:55.511020 YAML location is
/codebuild/output/src815704890/src/buildspec.yml
"
1756918139748,"[Container] 2025/09/03 16:48:55.512891 Setting HTTP
client timeout to higher timeout for S3 source
"
1756918139748,"[Container] 2025/09/03 16:48:55.512992 Processing
environment variables
"
1756918139748,"[Container] 2025/09/03 16:48:56.025926 No runtime
version selected in buildspec.
"

```

```
1756918139748,"[Container] 2025/09/03 16:48:56.050802 Moving to
directory /codebuild/output/src815704890/src
"
1756918139748,"[Container] 2025/09/03 16:48:56.050842 Cache is not
defined in the buildspec
"
1756918139748,"[Container] 2025/09/03 16:48:56.259151 Skip cache due
to: no paths specified to be cached
"
1756918139748,"[Container] 2025/09/03 16:48:56.259402 Registering with
agent
"
1756918139748,"[Container] 2025/09/03 16:48:56.472067 Phases found in
YAML: 3
"
1756918139748,"[Container] 2025/09/03 16:48:56.472095 PRE_BUILD: 6
commands
"
1756918139748,"[Container] 2025/09/03 16:48:56.472101 BUILD: 4
commands
"
1756918139748,"[Container] 2025/09/03 16:48:56.472105 POST_BUILD: 7
commands
"
1756918139748,"[Container] 2025/09/03 16:48:56.472445 Phase complete:
DOWNLOAD_SOURCE State: SUCCEEDED
"
1756918139748,"[Container] 2025/09/03 16:48:56.472468 Phase context
status code: Message:
"
1756918139748,"[Container] 2025/09/03 16:48:56.932764 Entering phase
INSTALL
"
1756918139748,"[Container] 2025/09/03 16:48:57.141440 Phase complete:
INSTALL State: SUCCEEDED
"
1756918139748,"[Container] 2025/09/03 16:48:57.141460 Phase context
status code: Message:
"
1756918139748,"[Container] 2025/09/03 16:48:57.173488 Entering phase
PRE_BUILD
"
1756918139748,"[Container] 2025/09/03 16:48:57.380844 Running command
echo Logging in to Amazon ECR...
"
1756918139748,"Logging in to Amazon ECR...
"
1756918139748,"
"
1756918139748,"[Container] 2025/09/03 16:48:57.388929 Running command
aws --version
"
1756918147793,"aws-cli/2.27.35 Python/3.13.3 Linux/4.14.355-
275.572.amzn2.x86_64 exec-env/AWS_ECS_EC2 exe/x86_64.amzn.2023
"
1756918147793,"
```

```
1756918147793,"[Container] 2025/09/03 16:49:06.892142 Running command
aws ecr get-login-password --region ap-south-1 | docker login --
username AWS --password-stdin 235391889675.dkr.ecr.ap-south-
1.amazonaws.com
"
1756918147793,"WARNING! Your password will be stored unencrypted in
/root/.docker/config.json.
"
1756918147793,"Configure a credential helper to remove this warning.
See
"
1756918147793,"https://docs.docker.com/engine/reference/commandline/log
in/#credential-stores
"
1756918147793,"
"
1756918147793,"Login Succeeded
"
1756918147793,"
"
1756918147793,"[Container] 2025/09/03 16:49:07.723135 Running command
REPO_URI=235391889675.dkr.ecr.ap-south-1.amazonaws.com/aws-brain-task-
app-docker
"
1756918147793,"
"
1756918147793,"[Container] 2025/09/03 16:49:07.732565 Running command
COMMIT_HASH=$(echo ${CODEBUILD_RESOLVED_SOURCE_VERSION} | cut -c 1-7)
"
1756918147793,"
"
1756918147793,"[Container] 2025/09/03 16:49:07.768674 Running command
IMAGE_TAG=${COMMIT_HASH:=latest}
"
1756918147793,"
"
1756918147793,"[Container] 2025/09/03 16:49:07.776387 Phase complete:
PRE_BUILD State: SUCCEEDED
"
1756918147793,"[Container] 2025/09/03 16:49:07.776403 Phase context
status code: Message:
"
1756918147793,"[Container] 2025/09/03 16:49:07.807432 Entering phase
BUILD
"
1756918147793,"[Container] 2025/09/03 16:49:07.808520 Running command
echo Build started on `date`
"
1756918147793,"Build started on Wed Sep 3 04:49:07 PM UTC 2025
"
1756918147793,"
"
1756918147793,"[Container] 2025/09/03 16:49:07.818309 Running command
echo Building the Docker image...
"
1756918147793,"Building the Docker image...
"
1756918147793,"
```

```
"  
1756918147793,"[Container] 2025/09/03 16:49:07.825724 Running command  
docker build -t $REPO_URI:$IMAGE_TAG .  
"  
1756918149847,"#0 building with ""default"" instance using docker  
driver  
"  
1756918149847,"  
"  
1756918149847,"#1 [internal] load build definition from Dockerfile  
"  
1756918149847,"#1 transferring dockerfile: 139B done  
"  
1756918149847,"#1 DONE 0.0s  
"  
1756918149847,"  
"  
1756918149847,"#2 [internal] load metadata for  
docker.io/library/nginx:alpine  
"  
1756918151865,"#2 DONE 2.8s  
"  
1756918151865,"  
"  
1756918151865,"#3 [internal] load .dockerignore  
"  
1756918151865,"#3 transferring context: 2B done  
"  
1756918151865,"#3 DONE 0.0s  
"  
1756918151865,"  
"  
1756918151865,"#4 [internal] load build context  
"  
1756918151865,"#4 transferring context: 318.31kB done  
"  
1756918151865,"#4 DONE 0.0s  
"  
1756918151865,"  
"  
1756918151865,"#5 [1/2] FROM  
docker.io/library/nginx:alpine@sha256:42a516af16b852e33b7682d5ef8acbd5d  
13fe08fecadc7ed98605ba5e3b26ab8  
"  
1756918151865,"#5 resolve  
docker.io/library/nginx:alpine@sha256:42a516af16b852e33b7682d5ef8acbd5d  
13fe08fecadc7ed98605ba5e3b26ab8 0.0s done  
"  
1756918151865,"#5  
sha256:4a86014ec6994761b7f3118cf47e4b4fd6bac15fc6fa262c4f356386bbc0e9d9  
10.78kB / 10.78kB done  
"  
1756918151865,"#5  
sha256:9824c27679d3b27c5e1cb00a73adb6f4f8d556994111c12db3c5d61a0c843df8  
0B / 3.80MB 0.1s  
"  
"
```

```
1756918151865,"#5
sha256:6bc572a340ecbc60aca0c624f76b32de0b073d5efa4fa1e0b6d9da6405976946
0B / 1.81MB 0.1s
"
1756918151865,"#5
sha256:42a516af16b852e33b7682d5ef8acbd5d13fe08fecadc7ed98605ba5e3b26ab8
10.33kB / 10.33kB done
"
1756918151865,"#5
sha256:60e48a050b6408d0c5dd59b98b6e36bf0937a0bbe99304e3e9c0e63b7563443a
2.50kB / 2.50kB done
"
1756918151865,"#5
sha256:403e3f251637881bbdc5fb06df8da55c149c00ccb0addbcb7839fa4ad60dfd04
0B / 628B 0.1s
"
1756918151865,"#5
sha256:9824c27679d3b27c5e1cb00a73adb6f4f8d556994111c12db3c5d61a0c843df8
1.05MB / 3.80MB 0.7s
"
1756918151865,"#5
sha256:9824c27679d3b27c5e1cb00a73adb6f4f8d556994111c12db3c5d61a0c843df8
3.15MB / 3.80MB 0.8s
"
1756918151865,"#5 extracting
sha256:9824c27679d3b27c5e1cb00a73adb6f4f8d556994111c12db3c5d61a0c843df8
"
1756918153878,"#5
sha256:9824c27679d3b27c5e1cb00a73adb6f4f8d556994111c12db3c5d61a0c843df8
3.80MB / 3.80MB 0.8s done
"
1756918153878,"#5
sha256:6bc572a340ecbc60aca0c624f76b32de0b073d5efa4fa1e0b6d9da6405976946
1.05MB / 1.81MB 0.9s
"
1756918153878,"#5 extracting
sha256:9824c27679d3b27c5e1cb00a73adb6f4f8d556994111c12db3c5d61a0c843df8
0.1s done
"
1756918153878,"#5
sha256:9adfbae99cb79774fdc14ca03a0a0154b8c199a69f69316bcfce64b07f80719f
0B / 955B 0.9s
"
1756918153878,"#5
sha256:6bc572a340ecbc60aca0c624f76b32de0b073d5efa4fa1e0b6d9da6405976946
1.81MB / 1.81MB 0.9s done
"
1756918153878,"#5
sha256:7a8a46741e18ed98437271669138116163f14596f411c1948fd7836e39f1afea
0B / 405B 1.1s
"
1756918153878,"#5 extracting
sha256:6bc572a340ecbc60aca0c624f76b32de0b073d5efa4fa1e0b6d9da6405976946
0.1s done
"
1756918153878,"#5 extracting
sha256:403e3f251637881bbdc5fb06df8da55c149c00ccb0addbcb7839fa4ad60dfd04
"
```

```
1756918153878,"#5
sha256:403e3f251637881bbdc5fb06df8da55c149c00ccb0addbcb7839fa4ad60dfd04
628B / 628B 1.4s done
"
1756918153878,"#5
sha256:9adfbbae99cb79774fdc14ca03a0a0154b8c199a69f69316bcfce64b07f80719f
955B / 955B 1.4s done
"
1756918153878,"#5 extracting
sha256:403e3f251637881bbdc5fb06df8da55c149c00ccb0addbcb7839fa4ad60dfd04
done
"
1756918153878,"#5 extracting
sha256:9adfbbae99cb79774fdc14ca03a0a0154b8c199a69f69316bcfce64b07f80719f
done
"
1756918153878,"#5
sha256:c9ebe2ff2d2cd981811cefb6df49a116da6074c770c07ee86a6ae2ebe7eee926
0B / 1.21kB 1.5s
"
1756918153878,"#5
sha256:a992fbcc61ecc9d8291c27f9add7b8a07d374c06a435d4734519b634762cf1c51
0B / 1.40kB 1.5s
"
1756918153878,"#5 extracting
sha256:7a8a46741e18ed98437271669138116163f14596f411c1948fd7836e39f1afea
"
1756918153878,"#5
sha256:7a8a46741e18ed98437271669138116163f14596f411c1948fd7836e39f1afea
405B / 405B 1.6s done
"
1756918153878,"#5 extracting
sha256:7a8a46741e18ed98437271669138116163f14596f411c1948fd7836e39f1afea
done
"
1756918153878,"#5
sha256:cb1ff4086f82493a4b8b02ec71bfed092cad25bd5bf302aec78d4979895350cb
0B / 16.84MB 1.7s
"
1756918153878,"#5 extracting
sha256:c9ebe2ff2d2cd981811cefb6df49a116da6074c770c07ee86a6ae2ebe7eee926
"
1756918153878,"#5
sha256:c9ebe2ff2d2cd981811cefb6df49a116da6074c770c07ee86a6ae2ebe7eee926
1.21kB / 1.21kB 2.0s done
"
1756918153878,"#5
sha256:a992fbcc61ecc9d8291c27f9add7b8a07d374c06a435d4734519b634762cf1c51
1.40kB / 1.40kB 2.1s done
"
1756918153878,"#5 extracting
sha256:c9ebe2ff2d2cd981811cefb6df49a116da6074c770c07ee86a6ae2ebe7eee926
done
"
1756918153878,"#5 extracting
sha256:a992fbcc61ecc9d8291c27f9add7b8a07d374c06a435d4734519b634762cf1c51
done
"
```

```
1756918153878,"#5
sha256:cb1ff4086f82493a4b8b02ec71bfed092cad25bd5bf302aec78d4979895350cb
4.19MB / 16.84MB 2.3s
"
1756918153878,"#5
sha256:cb1ff4086f82493a4b8b02ec71bfed092cad25bd5bf302aec78d4979895350cb
15.73MB / 16.84MB 2.5s
"
1756918153878,"#5
sha256:cb1ff4086f82493a4b8b02ec71bfed092cad25bd5bf302aec78d4979895350cb
16.84MB / 16.84MB 2.5s done
"
1756918153878,"#5 extracting
sha256:cb1ff4086f82493a4b8b02ec71bfed092cad25bd5bf302aec78d4979895350cb
0.1s
"
1756918153878,"#5 extracting
sha256:cb1ff4086f82493a4b8b02ec71bfed092cad25bd5bf302aec78d4979895350cb
0.3s done
"
1756918155890,"#5 DONE 3.1s
"
1756918155890,"
"
1756918155890,"#6 [2/2] COPY ./dist/ /usr/share/nginx/html
"
1756918155890,"#6 DONE 0.4s
"
1756918155890,"
"
1756918155890,"#7 exporting to image
"
1756918155890,"#7 exporting layers 0.0s done
"
1756918155890,"#7 writing image
sha256:9628495a5e966354e5886ec7706aa93f16c81ee7848129bd3f2113e34baaad5b
done
"
1756918155890,"#7 naming to 235391889675.dkr.ecr.ap-south-
1.amazonaws.com/aws-brain-task-app-docker:488f4b0 done
"
1756918155890,"#7 DONE 0.0s
"
1756918155890,"
"
1756918155890,"[Container] 2025/09/03 16:49:14.475147 Running command
docker push $REPO_URI:$IMAGE_TAG
"
1756918155890,"The push refers to repository [235391889675.dkr.ecr.ap-
south-1.amazonaws.com/aws-brain-task-app-docker]
"
1756918155890,"f93db9bb2a35: Preparing
"
1756918155890,"f9985d3fc94d: Preparing
"
1756918155890,"d208138be39d: Preparing
"
1756918155890,"a2b76470e8f1: Preparing
```

```
"  
1756918155890,"917b2c97271e: Preparing  
"  
1756918155890,"16ca725632e5: Preparing  
"  
1756918155890,"7978a9c91f72: Preparing  
"  
1756918155890,"b6ff0212304e: Preparing  
"  
1756918155890,"418dccb7d85a: Preparing  
"  
1756918155890,"16ca725632e5: Waiting  
"  
1756918155890,"7978a9c91f72: Waiting  
"  
1756918155890,"b6ff0212304e: Waiting  
"  
1756918155890,"418dccb7d85a: Waiting  
"  
1756918155890,"a2b76470e8f1: Layer already exists  
"  
1756918155890,"d208138be39d: Layer already exists  
"  
1756918155890,"f9985d3fc94d: Layer already exists  
"  
1756918155890,"917b2c97271e: Layer already exists  
"  
1756918155890,"16ca725632e5: Layer already exists  
"  
1756918155890,"7978a9c91f72: Layer already exists  
"  
1756918155890,"418dccb7d85a: Layer already exists  
"  
1756918155890,"b6ff0212304e: Layer already exists  
"  
1756918155890,"f93db9bb2a35: Pushed  
"  
1756918155890,"488f4b0: digest:  
sha256:f8ad17f03a80b2202d3e77f1630232f6e47bf68f5bce2cf20201302217da2ace  
size: 2199  
"  
1756918155890,"  
"  
1756918155890,"[Container] 2025/09/03 16:49:15.537624 Phase complete:  
BUILD State: SUCCEEDED  
"  
1756918155890,"[Container] 2025/09/03 16:49:15.537645 Phase context  
status code: Message:  
"  
1756918155890,"[Container] 2025/09/03 16:49:15.570902 Entering phase  
POST_BUILD  
"  
1756918155890,"[Container] 2025/09/03 16:49:15.571991 Running command  
echo Updating deployment.yaml with new image...  
"  
1756918155890,"Updating deployment.yaml with new image...  
"  
1756918155890,"
```

```
"  
1756918155890,"[Container] 2025/09/03 16:49:15.579906 Running command  
sed -i ""s|<IMAGE_URI>|$REPO_URI:$IMAGE_TAG|g"" k8s/deployment.yaml  
"  
1756918155890,"  
"  
1756918155890,"[Container] 2025/09/03 16:49:15.615750 Running command  
echo Deploying to EKS...  
"  
1756918155890,"Deploying to EKS...  
"  
1756918155890,"  
"  
1756918155890,"[Container] 2025/09/03 16:49:15.623382 Running command  
aws eks update-kubeconfig --region ap-south-1 --name brain-task-cluster  
"  
1756918157909,"Added new context arn:aws:eks:ap-south-  
1:235391889675:cluster/brain-task-cluster to /root/.kube/config  
"  
1756918157909,"  
"  
1756918157909,"[Container] 2025/09/03 16:49:16.452069 Running command  
kubectl apply -f k8s/deployment.yaml  
"  
1756918162011,"deployment.apps/brain-task-app configured  
"  
1756918162011,"  
"  
1756918162011,"[Container] 2025/09/03 16:49:20.365765 Running command  
kubectl apply -f k8s/service.yaml  
"  
1756918162011,"service/brain-task-app-service unchanged  
"  
1756918162011,"  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.249650 Running command  
echo ""Deployment completed successfully""  
"  
1756918162011,"Deployment completed successfully  
"  
1756918162011,"  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.257739 Phase complete:  
POST_BUILD State: SUCCEEDED  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.257762 Phase context  
status code: Message:  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.535662 Expanding base  
directory path: .  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.539299 Assembling file  
list  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.539319 Expanding .  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.542579 Expanding file  
paths for base directory .
```

```
"  
1756918162011,"[Container] 2025/09/03 16:49:21.542596 Assembling file  
list  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.542600 Expanding k8s/*  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.545887 Found 2 file(s)  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.547290 Set report auto-  
discover timeout to 5 seconds  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.547333 Expanding base  
directory path: .  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.550608 Assembling file  
list  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.550624 Expanding .  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.553832 Expanding file  
paths for base directory .  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.553847 Assembling file  
list  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.553850 Expanding **/*  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.557218 No matching auto-  
discover report paths found  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.557244 Report auto-  
discover file discovery took 0.009954 seconds  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.557260 Phase complete:  
UPLOAD_ARTIFACTS State: SUCCEEDED  
"  
1756918162011,"[Container] 2025/09/03 16:49:21.557269 Phase context  
status code: Message:  
"  
=====
```