

Application:

Clone the below mentioned repository and deploy the application (Run application in port 3000).

The screenshot shows the Visual Studio Code (VS Code) interface with the following details:

- Terminal Tab:** The "TERMINAL" tab is selected.
- Terminal Content:** The terminal window displays a command-line session for cloning a GitHub repository and installing npm packages. The session includes:
 - Cloning into 'Brain-Tasks-App'...
 - Counting objects: 8, done.
 - Compressing objects: 100% (3/3), done.
 - Total 8 (delta 0), reused 0 (delta 0), pack-reused 5 (from 1)
 - Receiving objects: 100% (8/8), 100.04 KiB | 1.14 MiB/s, done.
 - cd Brain-Tasks-App
 - npm install
 - npm error code ENOENT
 - npm error syscall open
 - npm error path /Users/mohammedfaizal/Brain-Tasks-App/package.json
 - npm error errno -2
 - npm error enoent Could not read package.json: Error: ENOENT: no such file or directory, open '/Users/mohammedfaizal/Brain-Tasks-App/package.json'
 - npm error enoent This is related to npm not being able to find a file.
 - npm error enoent
 - A complete log of this run can be found in: /Users/mohammedfaizal/.npm/_logs/2025-11-22T07_02_19_731Z-debug-0.log
 - Wrote to /Users/mohammedfaizal/Brain-Tasks-App/package.json
- File Explorer:** The "EXPLORER" sidebar shows the "UNTITLED (WORKSPACE)" folder containing "dist", "node_modules", "package-lock.json", and "package.json".
- Bottom Status Bar:** The status bar indicates "Ln 15, Col 1" and "Spaces: 2, UTF-8, LF". It also shows icons for JSON and Finish Setup.

The screenshot shows the Visual Studio Code (VS Code) interface. The left sidebar contains icons for File, Find, Open Editors, Untitled (Workspace), and various extensions. The main area has tabs for Explorer, Problems, Output, Debug Console, Terminal (which is active), and Ports. The terminal window displays the following command-line session:

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % npm init -y
{
  "name": "Brain-Tasks-App",
  "version": "1.0.0",
  "description": "A simple brain tasks application",
  "main": "index.js",
  "scripts": {
    "start": "node index.js"
  },
  "dependencies": {
    "vite": "^4.0.0",
    "vite-plugin-ssr": "^1.0.0"
  }
}

mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % npm install
up to date, audited 1 package in 117ms

found 0 vulnerabilities

mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % npm start
npm error Missing script: "start"
npm error Did you mean one of these?
npm error   npm star # Mark your favorite packages
npm error   npm stars # View packages marked as favorites
npm error To see a list of scripts, run:
npm error   npm run
npm error A complete log of this run can be found in: /Users/mohammedfaizal/.npm/_logs/2025-11-22T07_09_12_615Z-debug-0.log
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % npm start
> brain-tasks-app@1.0.0 start
> node index.js

node:internal/modules/cjs/loader:1386
  throw err;
  ^
Error: Cannot find module '/Users/mohammedfaizal/Brain-Tasks-App/index.js'
  at Function._resolveFilename (node:internal/modules/cjs/loader:1383:15)
  at defaultResolveImpl (node:internal/modules/cjs/loader:1025:19)
  at resolveForCJSWithHooks (node:internal/modules/cjs/loader:1030:22)
  at Function._load (node:internal/modules/cjs/loader:1192:37)
  at TracingChannel.traceSync (node:diagnostics_channel:322:14)
  at wrapModuleLoad (node:internal/modules/cjs/loader:237:24)
  at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:171:5)
  at node:internal/main/run_main_module:36:49 {
  code: 'MODULE_NOT_FOUND',
  requireStack: []
}

Node.js v22.19.0
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % ls dist
  package-lock.json  package.json
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % ls dist/assets
  index.html  vite.svg
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % npm install

added 69 packages, and audited 70 packages in 1s

14 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities
```

The status bar at the bottom shows: Ln 15, Col 1, Spaces: 2, UTF-8, LF, () JSON, Finish Setup.

The screenshot shows the VS Code interface with the terminal tab active. The terminal window displays the following command and its output:

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % npm install -g serve
```

npm error Error: EACCES: permission denied, mkdir '/usr/local/lib/node_modules/serve'
npm error at async mkdir (node:internal/fs/promises:860:10)
npm error at async /usr/local/lib/node_modules/npm/node_modules/@npmcli/arborist/lib/arborist/reify.js:624:20
npm error at async Promise.allSettled (index 0)
npm error at async [reifyPackages] (/usr/local/lib/node_modules/npm/node_modules/@npmcli/arborist/lib/arborist/reify.js:325:11)
npm error at async Arborist.reify (/usr/local/lib/node_modules/npm/node_modules/@npmcli/arborist/lib/arborist/reify.js:142:5)
npm error at async Install.exec (/usr/local/lib/node_modules/npm/lib/commands/install.js:150:5)
npm error at async Npm.exec (/usr/local/lib/node_modules/npm/lib/npm.js:207:9)
npm error at async module.exports (/usr/local/lib/node_modules/npm/lib/cli/entry.js:74:5) {
npm error errno: -13,
npm error code: 'EACCES',
npm error syscall: 'mkdir',
npm error path: '/usr/local/lib/node_modules/serve'
npm error }
npm error
The operation was rejected by your operating system.
npm error It is likely you do not have the permissions to access this file as the current user
npm error If you believe this might be a permissions issue, please double-check the
npm error permissions of the file and its containing directories, or try running
npm error the command again as root/Administrator.
npm error A complete log of this run can be found in: /Users/mohammedfaizal/.npm/_logs/2025-11-22T07_14_52_213Z-debug-0.log

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % sudo npm install -g serve
```

Password:
added 86 packages in 1s
25 packages are looking for funding
run 'npm fund' for details

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % serve -s dist -l 3000
```

Serving!

- Local: http://localhost:3000
- Network: http://192.168.29.205:3000

Copied local address to clipboard!

```
HTTP 11/22/2025 12:45:52 PM ::1 GET /  
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 46 ms  
HTTP 11/22/2025 12:45:52 PM ::1 GET /assets/index-BHG1Hu50.js  
HTTP 11/22/2025 12:45:52 PM ::1 GET /assets/index-DPTLVRPB.css  
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 2 ms  
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 4 ms  
HTTP 11/22/2025 12:45:52 PM ::1 GET /apple-touch-icon-precomposed.png  
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 1 ms  
HTTP 11/22/2025 12:45:52 PM ::1 GET /apple-touch-icon.png  
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 4 ms
```

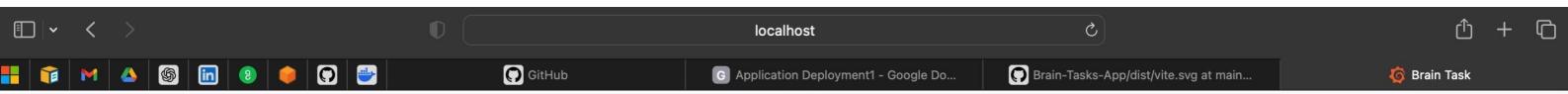
Ln 15, Col 1 Spaces: 2 UTF-8 LF () JSON ⚡ Finish Setup

The screenshot shows the Visual Studio Code interface with the following details:

- EXPLORER**: Shows the workspace structure under "UNTITLED (WORKSPACE)".
 - Brain-Tasks-App (highlighted)
 - dist
 - assets
 - index.html
 - vite.svg
 - node_modules
 - package-lock.json
 - package.json (selected)
- OPEN EDITORS**: Displays two files: package.json and package-lock.json.
- TERMINAL**: Shows the command `node serve -s dist -l 3000` being run, resulting in the output:

```
Serving!
- Local:  http://localhost:3000
- Network: http://192.168.29.205:3000
Copied local address to clipboard!
```

HTTP 11/22/2025 12:45:52 PM ::1 GET /
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 46 ms
HTTP 11/22/2025 12:45:52 PM ::1 GET /assets/index-BHG1Ju50.js
HTTP 11/22/2025 12:45:52 PM ::1 GET /assets/index-DPTLVRPB.css
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 2 ms
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 4 ms
HTTP 11/22/2025 12:45:52 PM ::1 GET /apple-touch-icon-precomposed.png
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 1 ms
HTTP 11/22/2025 12:45:52 PM ::1 GET /apple-touch-icon.png
HTTP 11/22/2025 12:45:52 PM ::1 Returned 200 in 4 ms



Brain Tasks

Organize your thoughts, simplify your life

+ Create Task

Search tasks...

All Tasks

Pending

Completed

Priority



No tasks found!

Create your first task to get started

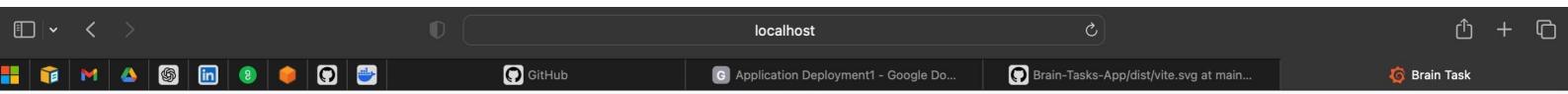
Docker:

- Dockerizing the application by creating Dockerfile
- Built an application and check output using docker image.

The screenshot shows a Visual Studio Code (VS Code) interface with the following details:

- Explorer View:** Shows a workspace named "UNTITLED (WORKSPACE)" containing a folder "Brain-Tasks-App" which includes files "Dockerfile", "package-lock.json", and "package.json".
- Editor View:** The active editor shows a Dockerfile with the following content:

```
FROM node:18 (last pushed 5 months ago)
WORKDIR /app
COPY . .
RUN npm install -g serve
EXPOSE 3000
CMD ["serve", "-s", "dist", "-l", "3000"]
```
- Terminal View:** The terminal window displays the command "serve -s dist -l 3000" being run, followed by a log of HTTP requests and a shutdown message.
- Output View:** The output window shows the results of the "docker build" command for the image "brain-tasks-app".
- Status Bar:** The status bar at the bottom indicates the file is main*, and there are 1 open editor.



Brain Tasks

Organize your thoughts, simplify your life

+ Create Task

Search tasks...

All Tasks

Pending

Completed

Priority



No tasks found!

Create your first task to get started

ECR:

- Created the AWS ECR repository for store docker images.

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws ecr create-repository --repository-name brain-tasks-app --region us-east-1
An error occurred (UnrecognizedClientException) when calling the CreateRepository operation: The security token included in the request is invalid.
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws configure list
NAME      : VALUE                : TYPE      : LOCATION
profile    : <not set>          : None     : None
access_key : ****MOZL           : shared-credentials-file :
secret_key : ****JWpP           : shared-credentials-file :
region     : us-west-2          : config-file   : ./aws/config
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws configure
AWS Access Key ID [*****MOZL]: AKIAZRZT3UAMD2LRPULF
AWS Secret Access Key [*****JWpP]: OkvdSFyw/3qqbYgrdRQgFP5Z1M8jaA4z191jND9
Default region name [us-west-2]: us-east-1
Default output format [json]: json
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws sts get-caller-identity
{
  "UserId": "AIDAZRZT3UAMPZQCXKJSP",
  "Account": "656701890584",
  "Arn": "arn:aws:iam::656701890584:user/my-new-user"
}
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws ecr create-repository --repository-name brain-tasks-app --region us-east-1
{
  "repository": {
    "repositoryArn": "arn:aws:ecr:us-east-1:656701890584:repository/brain-tasks-app",
    "registryId": "656701890584",
    "repositoryName": "brain-tasks-app",
    "repositoryUri": "656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app",
    "createdAt": "2025-11-22T13:20:43.411000+05:30",
    "imageTagMutability": "MUTABLE",
    "imageScanningConfiguration": {
      "scanOnPush": false
    },
    "encryptionConfiguration": {
      "encryptionType": "AES256"
    }
  }
}
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws ecr get-login-password --region us-east-1 | docker login --username AWS --password-stdin 656701890584.dkr.ecr.us-east-1.amazonaws.com
Login Succeeded
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % docker tag brain-tasks-app:latest 656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app:latest
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % docker push 656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app:latest
The push refers to repository [656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app]
59907b0a8fab: Pushed
024761fb9614: Pushed
319858970649: Pushed
78159ddb370: Pushed
358a725b813: Pushed
dd8a6003174c: Pushed
bb63e49e652: Pushed
cc65bdd70e: Pushed
1a4e3939584: Pushed
3520c50ae0e: Pushed
75ba6634710f: Pushed
latest: digest: sha256:920221f2fd7cbc5919b9570c16110e17725368d365f5b2a0a841b4a8dea98eb8 size: 2631
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App %
```

Amazon ECR > Private registry > Repositories

Private repositories (1)

Search by repository substring

Repository name	URI	Created at	Tag immutability	Encryption type
brain-tasks-app	656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app	November 22, 2025, 13:20:43 (UTC+05:5)	Mutable	AES-256

View push commands | Delete | Actions ▾ | Create repository

Amazon Elastic Container Registry

Private registry

Repositories

Features & Settings

Public registry

Repositories

Settings

ECR public gallery ↗

Amazon ECS ↗

Amazon EKS ↗

Getting started ↗

Documentation ↗

us-east-1.console.aws.amazon.com

GitHub Dashboard Application Deployment1 - Google Do... Vennilavan12/Brain-Tasks-App Brain Task Account ID: 6567-0189-0584 MOHAMMED FAIZAL

Search [Option+S] United States (N. Virginia) MOHAMMED FAIZAL

Amazon ECR > Private registry > Repositories > Images > sha256:920221f2fd7cbc5919b9570c16110e17725368d365f5b2a0a841b4a8dea98eb8

Archive

Amazon Elastic Container Registry

Private registry

- Repositories
- Images
- Permissions
- Lifecycle Policy
- Repository tags
- Features & Settings

Public registry

- Repositories
- Settings

ECR public gallery Amazon ECS Amazon EKS

Getting started Documentation

Image

Details

Image tags latest

URI 656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app:latest

Digest sha256:920221f2fd7cbc5919b9570c16110e17725368d365f5b2a0a841b4a8dea98eb8

General information

Artifact type Image	Repository brain-tasks-app	Pushed at November 22, 2025, 13:27:39 (UTC+05.5)
Last recorded pull time -	Size (MB) 392.26	Image status Active

Scanning and vulnerabilities

Status [Scan not found](#) Scan

Referrers

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Kubernetes:

- Setup Kubernetes in AWS EKS and Confirm EKS cluster is running.
- Write deployment and service YAML files.
- Deploy using `kubectl` via ~~Codedeploy~~.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS eksctl + ⌂ ⌂ ⌂ ⌂ ⌂ ⌂

```
● mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws configure
AWS Access Key ID [*****PULF]: AKIAZRZT3UAM2LRPULF
AWS Secret Access Key [*****ND9j]: OkVdSFyw/3qqbYGgrdRQgFP5ZIM8jaA4zl91jND9j
Default region name [us-east-1]: us-east-1
Default output format [json]: json
● mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws sts get-caller-identity
{
  "UserId": "AIDAZRZT3UAMPZQCKJSP",
  "Account": "656701890584",
  "Arn": "arn:aws:iam::656701890584:user/my-new-user"
}
● mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % eksctl create cluster \
--name brain-tasks-cluster \
--region us-east-1 \
--nodegroup-name brain-tasks-nodes \
--node-type t3.medium \
--nodes 2 \
--nodes-min 1 \
--nodes-max 3 \
--managed
2025-11-22 13:33:22 [i] eksctl version 0.215.0
2025-11-22 13:33:22 [i] using region us-east-1
2025-11-22 13:33:24 [i] setting availability zones to [us-east-1f us-east-1a]
2025-11-22 13:33:24 [i] subnets for us-east-1f - public:192.168.0.0/19 private:192.168.64.0/19
2025-11-22 13:33:24 [i] subnets for us-east-1a - public:192.168.32.0/19 private:192.168.96.0/19
2025-11-22 13:33:24 [i] nodegroup "brain-tasks-nodes" will use "" [AmazonLinux2023.1.32]
2025-11-22 13:33:24 [i] Auto Mode will be enabled by default in an upcoming release of eksctl. This means managed node groups and managed networking add-ons will no longer be created by default. To maintain current behavior, explicitly set 'autoModeConfig.enabled: false' in your cluster configuration. Learn more: https://eksctl.io/usage/auto-mode/
2025-11-22 13:33:24 [i] using Kubernetes version 1.32
2025-11-22 13:33:24 [i] creating EKS cluster "brain-tasks-cluster" in "us-east-1" region with managed nodes
2025-11-22 13:33:24 [i] will create 2 separate CloudFormation stacks for cluster itself and the initial managed nodegroup
2025-11-22 13:33:24 [i] if you encounter any issues, check CloudFormation console or try 'eksctl utils describe-stacks --region=us-east-1 --cluster=brain-tasks-cluster'
2025-11-22 13:33:24 [i] Kubernetes API endpoint access will use default of {publicAccess=true, privateAccess=false} for cluster "brain-tasks-cluster" in "us-east-1"
2025-11-22 13:33:24 [i] CloudWatch logging will not be enabled for cluster "brain-tasks-cluster" in "us-east-1"
2025-11-22 13:33:24 [i] you can enable it with 'eksctl utils update-cluster-logging --enable-types={SPECIFY-YOUR-LOG-TYPES-HERE (e.g. all)} --region=us-east-1 --cluster=brain-tasks-cluster'
2025-11-22 13:33:24 [i] default addons metrics-server, vpc-cni, kube-proxy, coredns were not specified, will install them as EKS addons
2025-11-22 13:33:24 [i]
2 sequential tasks: { create cluster control plane "brain-tasks-cluster",
  2 sequential sub-tasks: {
    1 task: { create addons },
    wait for control plane to become ready,
  },
  create managed nodegroup "brain-tasks-nodes",
}
2025-11-22 13:33:24 [i] building cluster stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:33:25 [i] deploying stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:33:55 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:34:57 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:35:58 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:36:59 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:38:00 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:39:01 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:40:02 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
```

Ln 12, Col 1 Spaces: 4 UTF-8 LF {} Dockerfile ⌂ Finish Setup

The screenshot shows a terminal window within a code editor interface. The terminal tab is active, displaying the command and its execution log. The log shows the creation of a cluster stack, deployment of CloudFormation stacks, and the creation of various addons like metrics-server, vpc-cni, and kube-proxy. A note about IAM permissions for vpc-cni is present.

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % eksctl create cluster \
--name brain-tasks-cluster \
--region us-east-1 \
--nodegroup-name brain-tasks-nodes \
--node-type t3.medium \
...
2 sequential sub-tasks:
  2 sequential sub-tasks:
    1 task: { create addons },
      wait for control plane to become ready,
    },
    create managed nodegroup "brain-tasks-nodes",
}
2025-11-22 13:33:24 [i] building cluster stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:33:25 [i] deploying stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:33:55 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:34:57 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:35:58 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:36:59 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:38:00 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:39:01 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:40:02 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:41:03 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:42:04 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:43:06 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-cluster"
2025-11-22 13:43:10 [i] creating addon: metrics-server
2025-11-22 13:43:11 [i] successfully created addon: metrics-server
2025-11-22 13:43:12 [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 file, under `addon.PodIdentityAssociations`, and run eksctl update addon
2025-11-22 13:43:12 [i] creating addon: vpc-cni
2025-11-22 13:43:12 [i] successfully created addon: vpc-cni
2025-11-22 13:43:13 [i] creating addon: kube-proxy
2025-11-22 13:43:14 [i] successfully created addon: kube-proxy
2025-11-22 13:43:15 [i] creating addon: coredns
2025-11-22 13:43:16 [i] successfully created addon: coredns
2025-11-22 13:45:21 [i] building managed nodegroup stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:45:22 [i] deploying stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:45:22 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:45:54 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:46:31 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:48:30 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:49:35 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:50:18 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:51:38 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:53:15 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:54:24 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:55:41 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:57:18 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:59:00 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 13:59:34 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 14:00:38 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 14:01:26 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 14:02:18 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 14:03:44 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
2025-11-22 14:05:41 [i] waiting for CloudFormation stack "eksctl-brain-tasks-cluster-nodegroup-brain-tasks-nodes"
```

Ln 12, Col 1 Spaces: 4 UTF-8 LF {} Dockerfile ⚙ Finish Setup

us-east-1.console.aws.amazon.com

GitHub Dashboard Application Deployment1 - Google Do... Vennilavan12/Brain-Tasks-App Brain Task

aws Search [Option+S] United States (N. Virginia) Account ID: 6567-0189-0584 MOHAMMED FAIZAL

CloudFormation > Stacks

Stacks (1)

Stack name Status Created time Description

Stack name	Status	Created time	Description
eksctl-brain-tasks-cluster-cluster	CREATE_COMPLETE	2025-11-22 13:33:25 UTC+0530	EKS cluster (dedicated VPC: true, dedicated IAM: true) [created and managed by eksctl]

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CloudFormation > Stacks > eksctl-brain-tasks-cluster-cluster

Stacks (1)

Search by stack name

Filter status: Complete

Stack info

eksctl-brain-tasks-cluster-cluster

Stack ID: arn:aws:cloudformation:us-east-1:656701890584:stack/eksctl-brain-tasks-cluster-cluster/b8b930c0-c779-11f0-8354-0e5fc08dd021

Description: EKS cluster (dedicated VPC: true, dedicated IAM: true) [created and managed by eksctl]

Status: CREATE_COMPLETE

Status reason: -

Parent stack: -

Created time: 2025-11-22 13:33:25 UTC+0530

Updated time: -

Deleted time: -

Drift status: NOT_CHECKED

Last drift check time: -

Termination protection: -

The screenshot shows the Visual Studio Code (VS Code) interface with the following details:

- EXPLORER**: Shows a tree view of the project structure under "UNTITLED (WORLD)".
- OPEN EDITORS**: Shows two open files: "package.json" and "Dockerfile".
- Dockerfile Content**:

```
1 FROM node:18 (last pushed 5 months ago)
2
3 WORKDIR /app
4 COPY . .
5
6 RUN npm install -g serve
7
8 EXPOSE 3000
9
10 CMD ["serve", "-s", "dist", "-l", "3000"]
```
- TERMINAL**: Shows AWS EKS command history.

```
--region us-east-1 \
--nodegroup-name brain-tasks-nodes \
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % eksctl get cluster --name brain-tasks-cluster
NAME          VERSION STATUS  CREATED        VPC           SUBNETS
brain-tasks-cluster  1.32   ACTIVE  2025-11-22T08:03:53Z  vpc-09f007bb59c617245  subnet-03a3136e5ff830894,subnet-0c4d6f3a4f062af2d,subnet-0dbb45330
16e384f4,subnet-0ff8166b222453766  sg-02b88f79556fb4582  EKS
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % aws eks --region us-east-1 update-kubeconfig --name brain-tasks-cluster
Added new context arn:aws:eks:us-east-1:656701890584:cluster/brain-tasks-cluster to /Users/mohammedfaizal/.kube/config
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl get nodes
```

- Bottom Status Bar**: Shows file paths, line numbers, and other status information.

The screenshot shows a code editor interface with several tabs open. The active tab is `deployment.yaml`, which contains the following YAML configuration for a Kubernetes Deployment:

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: brain-tasks-deployment
spec:
  replicas: 2
  selector:
    matchLabels:
      app: brain-tasks
  template:
    metadata:
      labels:
        app: brain-tasks
    spec:
      containers:
        - name: brain-tasks
          image: 656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app:latest
          ports:
            - containerPort: 3000
          resources:
            requests:
              memory: "128Mi"
              cpu: "250m"
            limits:
              memory: "256Mi"
              cpu: "500m"
```

Below the code editor, the terminal window displays the following command-line session:

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl apply -f deployment.yaml
error: error validating "deployment.yaml": error validating data: [apiVersion not set, kind not set]; if you choose to ignore these errors, turn validation off with --validate=false
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl get deployments
No resources found in default namespace.
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl apply -f deployment.yaml
deployment.apps/brain-tasks-deployment created
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl get deployments
NAME           READY   UP-TO-DATE   AVAILABLE   AGE
brain-tasks-deployment   0/2     2           0           4s
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App %
```

The status bar at the bottom indicates the current file is `deployment.yaml`, with 17 lines and 28 columns, and the encoding is UTF-8.

The screenshot shows the Visual Studio Code (VS Code) interface with the following details:

- Explorer View:** Shows the file structure of the "Brain-Tasks-App" workspace, including files like package.json, Dockerfile, deployment.yaml, and service.yaml.
- Editor View:** Displays the content of the service.yaml file, which defines a Kubernetes Service resource named "brain-tasks-service".

```
apiVersion: v1
kind: Service
metadata:
  name: brain-tasks-service
spec:
  type: LoadBalancer
  selector:
    app: brain-tasks
  ports:
    - protocol: TCP
      port: 80
      targetPort: 3000
```
- Terminal View:** Shows the output of running Kubernetes commands in the terminal tab:

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl apply -f deployment.yaml
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl get deployments
No resources found in default namespace.
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl apply -f deployment.yaml
deployment.apps/brain-tasks-deployment created
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl get deployments
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
brain-tasks-deployment   0/2     2           0           4s
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl apply -f service.yaml
service/brain-tasks-service created
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % kubectl get svc brain-tasks-service
NAME          TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)          AGE
brain-tasks-service   LoadBalancer   10.100.186.25   ace7ef8d5af654dff8c94059b3d31dd0-522385607.us-east-1.elb.amazonaws.com   80:31247/TCP   12s
```
- Bottom Status Bar:** Shows the current file path (arn:aws:eks:us-east-1:656701890584:cluster/brain-tasks-cluster), line number (Ln 13, Col 1), spaces count (Spaces: 2), encoding (UTF-8), file type (YAML), and file status (Finish Setup).

The screenshot shows a Visual Studio Code interface with the following details:

- EXPLORER**: Shows a workspace named "UNTITLED (WORKSPACE)" containing a folder "Brain-Tasks-App" with files: package.json, Dockerfile, deployment.yaml, service.yaml, package-lock.json, package.json, and service.yaml.
- OPEN EDITORS**: The "service.yaml" file is currently open in the editor.
- EDITOR**: The content of "service.yaml" is displayed:

```
apiVersion: v1
kind: Service
metadata:
  name: brain-tasks-service
spec:
  type: LoadBalancer
  selector:
    app: brain-tasks
  ports:
    - protocol: TCP
      port: 80
      targetPort: 3000
```

- PROBLEMS**: Shows several errors from the terminal related to Kubernetes commands like `apply` and `get`.
- OUTPUT**: Shows logs from the terminal, including deployment creation and service creation.
- DEBUG CONSOLE**: Not currently active.
- TERMINAL**: The terminal tab is active, showing command-line interactions with Kubernetes:

 - Attempted to apply deployment.yaml but failed due to validation errors (apiVersion not set, kind not set).
 - Used `kubectl get deployments` to check for resources in the default namespace.
 - Used `kubectl apply -f deployment.yaml` to create the deployment.
 - Used `kubectl get deployments` again to verify the deployment was created.
 - Used `kubectl get svc` to check the service status.
 - Used `kubectl describe pod` to inspect a specific pod.
 - Used `kubectl get deployments` again.
 - Used `kubectl get svc` to check the service status.
 - Used `kubectl get pods` to check the pods status.

- PORTS**: Shows a table of ports for the service:

	PORT(S)	AGE
brain-tasks-service	80:31247/TCP	12s
kubernetes	443/TCP	42m

- STATUS**: Shows the status bar with "Ln 13, Col 1" and other terminal-related information.
- SIDE BAR**: Includes sections for OUTLINE and TIMELINE.

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GitHub Dashboard Application Deployment1 ... Vennilavan12/Brain-Tasks... Brain Task Failed to open page Account ID: 6567-0189-0584 MOHAMMED FAIZAL

Search [Option+S] United States (N. Virginia) MOHAMMED FAIZAL

Amazon Elastic Kubernetes Service > Clusters > brain-tasks-cluster

Dashboard New Clusters

Settings

Amazon EKS Anywhere

Related services

Documentation

Overview Resources Compute Networking Add-ons 1 Access Observability Update history & back

brain-tasks-cluster

End of standard support for Kubernetes version 1.32 is March 23, 2026. Upgrade

Cluster info Info

Status Active	Kubernetes version 1.32	Support period Standard support until March 23, 2026	Provider EKS
Cluster health 0	Upgrade insights 3	Node health issues 0	

Details

API server endpoint https://E4CB870E735060DA6B1784629B0DD B66.gr7.us-east-1.eks.amazonaws.com	OpenID Connect provider URL https://oidc.eks.us-east-1.amazonaws.com/id/E4CB870E735060DA6B1784629B0DDB66	Created an hour ago
Certificate authority	Cluster IAM role ARN arn:aws:iam::656701890584:role/eksctl-brain-tasks-cluster-cluster-ServiceRole-OrPfivMfPrZi View in IAM	Cluster ARN arn:aws:eks:us-east-1:656701890584:cluster/brain-tasks-cluster
		Platform version Info eks.30

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CodeBuild:

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

us-east-1.console.aws.amazon.com

Personal Access To... Application Deploy... Vennilavan12/Brain-... Brain Task Failed to open page Account ID: 6567-0189-0584 MOHAMMED FAIZAL

Developer Tools **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** GitLab runners **New** Deploy • CodeDeploy Pipeline • CodePipeline

Project created
You have successfully created the following project: brain-tasks-build
[Create a notification rule for this project](#)

Developer Tools > CodeBuild > Build projects > brain-tasks-build

brain-tasks-build

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

Configuration

Source provider	GitHub	Primary repository	faizufaizal08-oss/Brain-Tasks-App [edit]	Artifacts upload location	-	Service role	arn:aws:iam::656701890584:role/service-role/codebuild-brain-tasks-build-service-role
Public builds	Disabled						

Build history Batch history Project details Build triggers Metrics Debug sessions

Build history [\[refresh\]](#) Stop build View artifacts View logs Delete builds Retry build Debug build

Builds Status Built on Configuration Submittions Pending Completed

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us-east-1.console.aws.amazon.com

Personal Access To... Application Deploy... Vennilavan12/Brain... Brain Task Failed to open page

Account ID: 6567-0189-0584 MOHAMMED FAIZAL

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

Build commands info

```
1 version: 0.2
2
3 phases:
4   pre_build:
5     commands:
6       - echo Logging in to Amazon ECR...
7       - aws ecr get-login-password --region us-east-1 | docker login --username AW:
8   build:
9     commands:
10    - echo Build started on `date`
11    - echo Building the Docker image...
12    - docker build -t brain-tasks-app .
13    - docker tag brain-tasks-app:latest 656701890584.dkr.ecr.us-east-1.amazonaws
14   post_build:
15     commands:
16       - echo Pushing the Docker image...
17       - docker push 656701890584.dkr.ecr.us-east-1.amazonaws.com/brain-tasks-app:la
18       - echo Build completed on `date`
19
20 artifacts:
21   files:
22     - '**/*'
23
```

17:33 YAML

Switch to single line

us-east-1.console.aws.amazon.com

codebuild-brain... Personal Acc... Brain-Tasks-A... Application De... Vennilavan12/... Brain Task Failed to open...

Search [Option+S] United States (N. Virginia) Account ID: 6567-0189-0584 MOHAMMED FAIZAL

Developer Tools

CodeBuild

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 - Getting started
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 - Account metrics
 - ▼ Related integrations
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 - GitHub Actions **New**
 - GitLab runners **New**
- ▶ Deploy • CodeDeploy
- ▶ Pipeline • CodePipeline

No previous logs

```
1 [Container] 2025/11/22 10:30:20.309235 Running on CodeBuild On-demand
2 [Container] 2025/11/22 10:30:20.309259 Waiting for agent ping
3 [Container] 2025/11/22 10:30:20.410236 Waiting for DOWNLOAD_SOURCE
4 [Container] 2025/11/22 10:30:20.831936 Phase is DOWNLOAD_SOURCE
5 [Container] 2025/11/22 10:30:20.836777 CODEBUILD_SRC_DIR=/codebuild/output/src1316711293/src/github.com/faizufaizal08-oss/Brain-Tasks-App
6 [Container] 2025/11/22 10:30:20.837243 YAML location is /codebuild/readonly/buildspec.yml
7 [Container] 2025/11/22 10:30:20.839075 Setting HTTP client timeout to higher timeout for Github and GitHub Enterprise sources
8 [Container] 2025/11/22 10:30:20.839159 Processing environment variables
9 [Container] 2025/11/22 10:30:20.923732 No runtime version selected in buildspec.
10 [Container] 2025/11/22 10:30:20.931390 Moving to directory /codebuild/output/src1316711293/src/github.com/faizufaizal08-oss/Brain-Tasks-App
11 [Container] 2025/11/22 10:30:20.931413 Cache is not defined in the buildspec
12 [Container] 2025/11/22 10:30:20.966471 Skip cache due to: no paths specified to be cached
13 [Container] 2025/11/22 10:30:20.966726 Registering with agent
14 [Container] 2025/11/22 10:30:20.999725 Phases found in YAML: 3
15 [Container] 2025/11/22 10:30:20.999744 PRE_BUILD: 2 commands
16 [Container] 2025/11/22 10:30:20.999748 BUILD: 3 commands
17 [Container] 2025/11/22 10:30:20.999751 POST_BUILD: 3 commands
18 [Container] 2025/11/22 10:30:21.000024 Phase complete: DOWNLOAD_SOURCE State: SUCCEEDED
19 [Container] 2025/11/22 10:30:21.000043 Phase context status code: Message:
20 [Container] 2025/11/22 10:30:21.097406 Entering phase INSTALL
21 [Container] 2025/11/22 10:30:21.140434 Phase complete: INSTALL State: SUCCEEDED
22 [Container] 2025/11/22 10:30:21.140452 Phase context status code: Message:
23 [Container] 2025/11/22 10:30:21.173002 Entering phase PRE_BUILD
24 [Container] 2025/11/22 10:30:21.205768 Running command echo Logging in to Amazon ECR...
25 Logging in to Amazon ECR...
26
27 [Container] 2025/11/22 10:30:21.207930 Running command aws ecr get-login-password --region us-east-1 | docker login --username AWS --password-stdin 656701890584.dkr.ecr.us-east-1.amazonaws.com
28 WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
29 Configure a credential helper to remove this warning. See
30 https://docs.docker.com/engine/reference/commandline/login/#credentials-store
31
32 Login Succeeded
33
34 [Container] 2025/11/22 10:30:21.987320 Phase complete: PRE_BUILD State: SUCCEEDED
35 [Container] 2025/11/22 10:30:21.987337 Phase context status code: Message:
36 [Container] 2025/11/22 10:30:22.023780 Entering phase BUILD
```

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us-east-1.console.aws.amazon.com

Account ID: 6567-0189-0584 ▾ MOHAMMED FAIZAL

Developer Tools X

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

GitLab runners New

Deploy • CodeDeploy

Pipeline • CodePipeline

Logs

128 1d2d0dbff8a1: Preparing
129 d2a991bcab4d: Preparing
130 b624aa2d5ea2: Preparing
131 d399c9dc306f: Preparing
132 84f9fa179c1b: Preparing
133 ce84ba212e49: Preparing
134 e4dc8cd9ecc8: Preparing
135 6428cc293366: Preparing
136 2f7436e79a0b: Preparing
137 6428cc293366: Waiting
138 2f7436e79a0b: Waiting
139 e4dc8cd9ecc8: Waiting
140 d399c9dc306f: Waiting
141 84f9fa179c1b: Waiting
142 ce84ba212e49: Waiting
143 1d2d0dbff8a1: Pushed
144 d2a991bcab4d: Pushed
145 df3f506373d6: Pushed
146 b624aa2d5ea2: Pushed
147 3c42b01e7c9e: Pushed
148 84f9fa179c1b: Pushed
149 6428cc293366: Pushed
150 d399c9dc306f: Pushed
151 2f7436e79a0b: Pushed
152 e4dc8cd9ecc8: Pushed
153 ce84ba212e49: Pushed
154 latest: digest: sha256:ec8888c0c4925553753213556ac5d18b02848e585ba0c2615e5321931fc8ec84 size: 2633
155
156 [Container] 2025/11/22 10:31:14.678076 Running command echo Build completed on `date`
157 Build completed on Sat Nov 22 10:31:14 UTC 2025
158
159 [Container] 2025/11/22 10:31:14.681007 Phase complete: POST_BUILD State: SUCCEEDED
160 [Container] 2025/11/22 10:31:14.681028 Phase context status code: Message:
161 [Container] 2025/11/22 10:31:14.724906 Set report auto-discover timeout to 5 seconds
162 [Container] 2025/11/22 10:31:14.724936 Expanding base directory path: .
163 [Container] 2025/11/22 10:31:14.726103 Assembling file list
164 [Container] 2025/11/22 10:31:14.726118 Expanding .
165 [Container] 2025/11/22 10:31:14.727311 Expanding file paths for base directory .
166 [Container] 2025/11/22 10:31:14.727328 Assembling file list
167 [Container] 2025/11/22 10:31:14.727331 Expanding **/*
168 [Container] 2025/11/22 10:31:14.730642 No matching auto-discover report paths found
169 [Container] 2025/11/22 10:31:14.730664 Report auto-discover file discovery took 0.005758 seconds
170 [Container] 2025/11/22 10:31:14.730674 Phase complete: UPLOAD_ARTIFACTS State: SUCCEEDED

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us-east-1.console.aws.amazon.com

Personal Acc... Brain-Tasks-A... Application De... Vennilavan12/... Brain Task Failed to open...

Search [Option+S] United States (N. Virginia) MOHAMMED FAIZAL Account ID: 6567-0189-0584

Developer Tools **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** GitLab runners **New** Deploy • CodeDeploy Pipeline • CodePipeline

Build started
You have successfully started the following build: brain-tasks-build:51763acb-b409-45b1-915b-133326ded76c

Developer Tools > CodeBuild > Build projects > brain-tasks-build > brain-tasks-build:51763acb-b409-45b1-915b-133326ded76c

brain-tasks-build:51763acb-b409-45b1-915b-133326ded76c

Stop build Debug build **Retry build**

Build status

Status	Initiator	Build ARN	Resolved source version
Succeeded	root	arn:aws:codebuild:us-east-1:6701890584:build/brain-tasks-build:51763acb-b409-45b1-915b-133326ded76c	3e192d095ed2e1d983dd60e808a7f7ae7b7d7ba4

Start time End time Build number
Nov 22, 2025 3:58 PM (UTC+5:30) Nov 22, 2025 4:01 PM (UTC+5:30) 9

Build logs Phase details Reports Environment variables Build details Resource utilization

Showing the last 170 lines of the build log. [View entire log](#) [Tail logs](#)

No previous logs

1 Container 1 2025/11/22 10:30:20 309235 Running on CodeBuild On-demand

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CodeDeploy:

- Create ~~codedeploy~~ application.
- ~~create appspec.yml file to deploy applications in EKS.~~

The screenshot shows the Visual Studio Code (VS Code) interface with the following details:

- EXPLORER**: Shows the file structure of the "Brain-Tasks-App" workspace.
- OPEN EDITORS**: Shows multiple tabs open, including "deployment.yaml", "appspec.yml" (selected), "before_install.sh", "after_install.sh", "start_application.sh", "service.yaml", and "buildspec.yml".
- appspec.yml Content (Selected Tab):**

```
version: 0.0
Resources:
  - TargetService:
    Type: AWS::EKS::Service
    Properties:
      ClusterName: your-eks-cluster-name
      Namespace: default
      DeploymentManifest: deployment.yaml
      ServiceManifest: service.yaml
Hooks:
  BeforeInstall:
    - location: scripts/before_install.sh
      timeout: 300
      runas: root
  AfterInstall:
    - location: scripts/after_install.sh
      timeout: 300
      runas: root
  ApplicationStart:
    - location: scripts/start_application.sh
      timeout: 300
      runas: root
```

- TERMINAL**: Shows a terminal session with the command: `mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % chmod +x scripts/*.sh`.
- STATUS BAR**: Shows the current file path: "arn:aws:eks:us-east-1:656701890584:cluster/brain-tasks-cluster", line count: "Ln 17, Col 19", and encoding: "UTF-8 LF {} YAML". It also indicates "Finish Setup" and "No JSON Schema".

The screenshot shows a software development environment with the following components:

- EXPLORER**: Shows the project structure "Brain-Tasks-App" with files like `appspec.yml`, `before_install.sh`, `start_application.sh`, etc.
- OPEN EDITORS**: The file `$ before_install.sh` is currently open in the editor.
- CODE EDITOR**: The content of `$ before_install.sh` is displayed:

```
1  #!/bin/bash
2  echo "Preparing deployment..."
```
- TERMINAL**: Shows a command being run in the terminal:

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % chmod +x scripts/*.sh
```
- STATUS BAR**: Displays the file path "arn:aws:eks:us-east-1:656701890584:cluster/brain-tasks-cluster", line count (Ln 3), character count (Col 1), and encoding (UTF-8).

The screenshot shows a Visual Studio Code (VS Code) interface with a dark theme. The left sidebar contains icons for Explorer, Open Editors, Search, Find, Insert, File, Recent Files, and Settings. The Explorer view shows a file tree for a project named "Brain-Tasks-App". The "scripts" folder contains several files: "after_install.sh", "before_install.sh", "start_application.sh", "appspec.yml", "buildspec.yml", and "deployment.yaml". "after_install.sh" is currently selected and open in the editor.

The main editor area displays the content of "after_install.sh":

```
#!/bin/bash
echo "Applying Kubernetes manifests..."
kubectl apply -f deployment.yaml
kubectl apply -f service.yaml
```

The bottom status bar shows the terminal path as "arn:aws:eks:us-east-1:656701890584:cluster/brain-tasks-cluster" and the file details as "Ln 5, Col 1 Spaces: 4 UTF-8 LF () Shell Script".

The screenshot shows a dark-themed interface of a code editor, specifically AWS Lambda Functions in Visual Studio Code. The left sidebar contains icons for file operations like Open, Save, and Find. The Explorer sidebar shows a project structure with files like deployment.yaml, appspec.yml, before_install.sh, after_install.sh, start_application.sh, service.yaml, buildspec.yml, Dockerfile, package-lock.json, package.json, and deployment.yaml. The main workspace shows several tabs: deployment.yaml, appspec.yml (marked as modified), before_install.sh, after_install.sh, start_application.sh (selected and highlighted in blue), service.yaml, and buildspec.yml (marked as modified). The start_application.sh tab displays the following shell script:

```
#!/bin/bash
echo "Deployment complete. Verifying pods..."
kubectl get pods
kubectl get svc
```

The bottom navigation bar includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and PORTS. The TERMINAL tab is active, showing a command-line session:

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % chmod +x scripts/*.sh
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App %
```

The status bar at the bottom indicates the terminal is a Shell Script, with details: Ln 5, Col 1, Spaces: 4, UTF-8, LF, and a Finish Setup button.

Version Control:

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

A screenshot of a dark-themed terminal window in the Visual Studio Code interface. The terminal tab is active, showing a command-line session:

```
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % git init
Reinitialized existing Git repository in /Users/mohammedfaizal/Brain-Tasks-App/.git/
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % git branch -M main
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % git remote add origin https://github.com/faizufaizal08-oss/Brain-Tasks-App.git
error: remote origin already exists.
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App % git push -u origin main
branch 'main' set up to track 'origin/main'.
Everything up-to-date
mohammedfaizal@Mohammeds-MacBook-Air Brain-Tasks-App %
```

The terminal window has a standard OS X-style title bar with back, forward, and search buttons. The status bar at the bottom shows the file name "Untitled (Workspace)", line 1, column 1, and encoding "UTF-8". It also includes icons for spaces, LF, Markdown, and Finish Setup.

A screenshot of a web browser showing a GitHub repository page for "Brain-Tasks-App".

The repository details:

- Name:** Brain-Tasks-App
- Owner:** faizufaizal08-oss
- Status:** Public
- Last Commit:** 4dc755d · 29 minutes ago by Mohammed Faizal and Mohammed Faizal
- Commits:** 3
- Branches:** 1
- Tags:** 0

The repository structure and files listed:

- dist
- node_modules
- scripts
- Dockerfile
- appspec.yml
- buildspec.yml
- deployment.yaml
- package-lock.json
- package.json
- service.yaml

Recent activity:

- Initial commit by Mohammed Faizal and Mohammed Faizal 29 minutes ago
- Initial commit by Mohammed Faizal and Mohammed Faizal 29 minutes ago
- Initial commit by Mohammed Faizal and Mohammed Faizal 29 minutes ago

Repository statistics:

- About:** <https://github.com/your-username/Brain-Tasks-App.git>
- Activity:** 0 stars, 0 watching, 0 forks
- Releases:** No releases published, [Create a new release](#)
- Packages:** No packages published, [Publish your first package](#)
- Languages:** Shell 67.8%, Dockerfile 32.2%
- Suggested workflows:** Based on your tech stack

Monitoring:

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

us-east-1.console.aws.amazon.com

service Actions

CloudWatch > Log groups > /aws/codebuild/brain-tasks-build

CloudWatch

Favorites and recents

Dashboards

AI Operations

Alarms

Logs

Log groups

Log Anomalies

Live Tail

Logs Insights

Metrics

Application Signals (APM)

GenAI Observability

Network Monitoring

Insights

Settings

Ingestion

CloudShell Feedback Console Mobile App

Personal Acc... faizufaizal08-o... Application De... Vennilavan12/... Brain Task Failed to open...

United States (N. Virginia) MOHAMMED FAIZAL

Account ID: 6567-0189-0584

/aws/codebuild/brain-tasks-build

Actions View in Logs Insights Start tailing Search log group

Log group details

Log class: Info Standard

ARN: arn:aws:logs:us-east-1:656701890584:log-group:/aws/codebuild/brain-tasks-build:*

Creation time: 2 hours ago

Retention: Never expire

Stored bytes: -

Metric filters: 0

Subscription filters: 0

Contributor Insights rules: -

KMS key ID: -

Data protection: -

Sensitive data count: -

Custom field indexes: Configure

Transformer: Configure

Anomaly detection: Configure

Log streams (9)

By default, we only load the most recent log streams.

Filter log streams or try prefix search

Exact match Show expired

Create log stream Search all log streams

Last event time

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us-east-1.console.aws.amazon.com

service Actions

CloudWatch > Log groups > /aws/codebuild/brain-tasks-build

CloudWatch

Favorites and recents

Dashboards

AI Operations New

Alarms 0

Logs

Log groups

Log Anomalies

Live Tail

Logs Insights New

Contributor Insights

Metrics New

Application Signals (APM) New

GenAI Observability New

Network Monitoring

Insights

Settings

Ingestion

CloudShell Feedback Console Mobile App

Personal Acc... faizufaizal08-o... Application De... Vennilavan12/... Brain Task Failed to open...

United States (N. Virginia) MOHAMMED FAIZAL

Account ID: 6567-0189-0584

Stored bytes -

Log streams Tags Anomaly detection Metric filters Subscription filters Contributor Insights Data protection

Log streams (9/9)

By default, we only load the most recent log streams.

Filter log streams or try prefix search

Exact match Show expired Info

Create log stream Search all log streams

Log stream	Last event time
51763acb-b409-45b1-915b-133326ded76c	2025-11-22 10:31:14 (UTC)
bd82c5f9-b340-4a0e-914a-eedab6115938	2025-11-22 10:23:21 (UTC)
ecbd6ee3-f2ca-4751-86b9-795ded82924e	2025-11-22 10:15:01 (UTC)
9c45d9ac-50ed-4c58-a5e8-b879618fe01e	2025-11-22 10:11:50 (UTC)
7193a24b-d99c-401f-8820-2a6a098cde0b	2025-11-22 10:02:13 (UTC)
7d2b7cbf-0cf0-4853-8b99-6d94f61e90a6	2025-11-22 09:51:29 (UTC)
e3c97da0-07dc-42dc-94b1-d3584f00133e	2025-11-22 09:47:39 (UTC)
4eb91dd7-e896-4ea0-8ca9-d713c2444397	2025-11-22 09:39:12 (UTC)
ce02748f-4bc7-46b6-bfcf-f268e1453103	2025-11-22 09:38:40 (UTC)

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