

Dockerfile

```
FROM nginx:alpine

COPY dist/ /usr/share/nginx/html/
```

```
EXPOSE 3000
```

```
CMD ["nginx", "-g", "daemon off;"]
```

Buildspec.yml

```
version: 0.2
```

```
phases:
```

```
  pre_build:
```

```
    commands:
```

```
      - echo Logging in to Amazon ECR...
      - aws ecr get-login-password --region ap-south-1 | docker login --username AWS --
        password-stdin $ACCOUNT_ID.dkr.ecr.ap-south-1.amazonaws.com
```

```
  build:
```

```
    commands:
```

```
      - docker build -t brain-tasks-app .
      - docker tag brain-tasks-app:latest $ACCOUNT_ID.dkr.ecr.ap-south-
        1.amazonaws.com/brain-tasks-app:latest
```

```
  post_build:
```

```
    commands:
```

```
      - docker push $ACCOUNT_ID.dkr.ecr.ap-south-1.amazonaws.com/brain-tasks-app:latest
```

Appspec.yml

```
version: 0.0
```

```
Resources:
```

- TargetService:

Type: AWS::EKS::Service

Properties:

TaskDefinition: k8s/deployment.yaml

LoadBalancerInfo:

ContainerName: brain-tasks-app

ContainerPort: 80

Service.yaml

apiVersion: v1

kind: Service

metadata:

name: brain-app-service

spec:

type: LoadBalancer

selector:

app: brain-tasks-app

ports:

- port: 80

targetPort: 80

deployment.yaml

apiVersion: apps/v1

kind: Deployment

metadata:

name: brain-tasks-app

spec:

replicas: 2

selector:

```
matchLabels:  
    app: brain-tasks-app  
template:  
metadata:  
labels:  
    app: brain-tasks-app  
spec:  
containers:  
- name: brain-tasks-app  
  image: 080434618343.dkr.ecr.ap-south-1.amazonaws.com/brain-tasks-app:latest  
ports:  
- containerPort: 80
```