

Deployment Step

Ruby on Rails App with Nginx in AWS using Terraform

Prerequisites

- AWS account
- Terraform
- Docker
- Git

Step 1: Fork & Clone the Repository

```
git clone https://github.com/mallowtechdev/DevOps-Interview-ROR-App.git
```

```
cd DevOps-Interview-ROR-App
```

Step 2: Build & Push Docker Image to AWS ECR

Create an ECR repo:

```
aws ecr create-repository --repository-name rails-app-rails-app
```

```
aws ecr create-repository --repository-name rails-app-nginx
```

Authenticate Docker to AWS:

```
aws ecr get-login-password | docker login --username AWS --password-stdin .dkr.ecr..amazonaws.com
```

Build Docker Images:

```
docker build -t 413745378153.dkr.ecr.ap-south-1.amazonaws.com/rails-app-rails-app:latest
```

```
docker build -t 413745378153.dkr.ecr.ap-south-1.amazonaws.com/rails-app-nginx:v2
```

Push to ECR:

```
docker push 413745378153.dkr.ecr.ap-south-1.amazonaws.com/rails-app-rails-app:latest
```

```
docker push 413745378153.dkr.ecr.ap-south-1.amazonaws.com/rails-app-nginx:v2
```

Step 3: Deploy Infrastructure using Terraform

Create to infrastructure directory:

```
mkdir infrastructure
```

Go to infrastructure directory:

```
cd infrastructure
```

Initialize Terraform:

```
terraform init
```

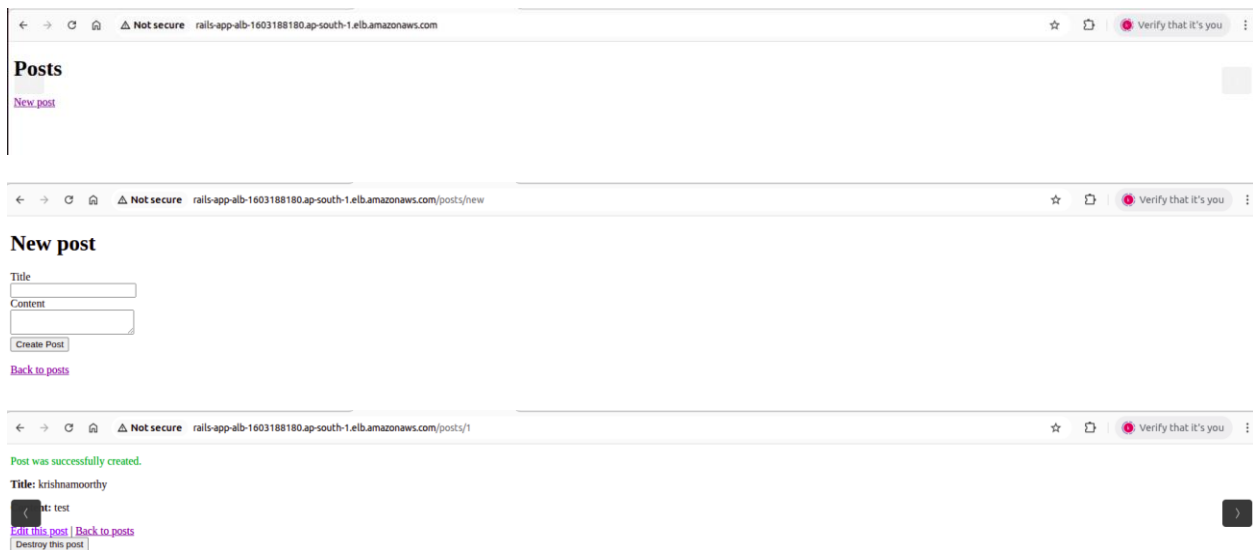
Plan Terraform Execution

terraform plan

Apply Infrastructure:

terraform apply --auto-approve

Open your web browser and paste the ALB DNS name



Diagram

Architecture Diagram

