

Lab: Deploying Containers in AWS

Objective

Deploy a containerized application using Amazon ECS on Fargate.

Part A: Console Steps

1. Create an ECS Cluster
2. Define a Task Definition
3. Deploy a Service using Fargate
4. Expose the application using an ALB

Part B: Terraform Steps

1. Use `aws_ecs_cluster` and `aws_ecs_task_definition`
2. Launch a Fargate Service with ALB
3. Use `aws_lb`, `aws_lb_target_group`, and `aws_lb_listener`

Validation

- Access application through ALB DNS
- Confirm task is running and responding