***Documentation on running containers on AWS ECS(Elastic Container Service) and create a CI/CD pipeline on ECS***



In this document , we'll explain some steps to create an AWS infra to run the containers on docker and push that containers to AWS ECR and then run that container on Amazon ECS using terraform. So we need some resources to create this infra using terraform, the resources and the steps are given below :

* Firstly, we'll create an **IAM role** with having some policies that will be used to create an infra
* We''ll create a **VPC (Virtual Private Cloud)** and the whole infra will be created under this VPC
* Then we'll run container on our system or server and push that to Amazon **ECR(Elastic Container Registry)**
* We'll create **ECS cluster on Fargate** (used to deploy our application)
* Then we create **ECS tasks and services** (used to run container on ECS)
* We'll create a **load balancer** to access the application created on ECS
* Then we create a **CI/CD pipeline** on our ECS cluster