Elastic Container Service (ECS)

AWS Elastic Container Service (ECS) is one of the most used services today. Learn what the advantages of ECS are and get a short overview of AWS Fargate.

AWS Elastic Container Service (Amazon ECS) is a highly scalable, fast, container management service that makes it easy to run, stop, and manage Docker containers on a cluster.

Elastic Container Service

What is Docker : - Docker is a software platform that allows you to build, test, and deploy application quickly.

1. Docker is highly reliable
2. Docker is highly scalable
3. Docker package software is standardized into units called containers

Containers allow you to easily package an application code, configurations, and dependencies into easy to use building blocks that deliver environmental consistency operational efficiency, developer productivity and version control.

You can create Amazon ECS clusters within a new or existing VPC. After a cluster is up and running, you can define task definitions and services that specify which Docker container images to run across your clusters. Container images are stored in and pulled from container registries, which may exist within or outside of your AWS infrastructure.

The following diagram shows the architecture of an Amazon ECS environment using the Fargate launch type:
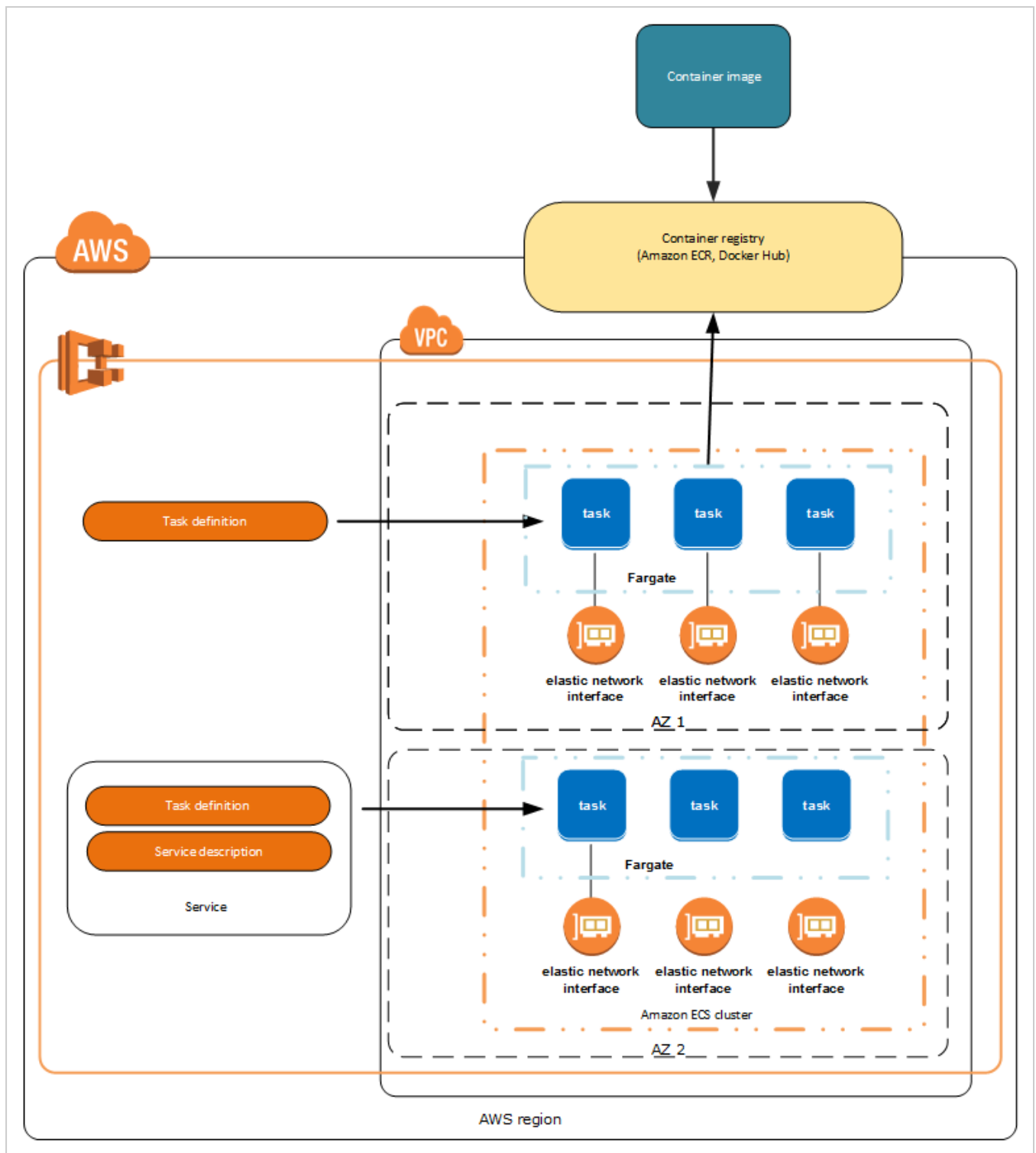
AWS Fargate is an easy way to deploy your containers on AWS. To put it simply, Fargate is like EC2 but instead of giving you a virtual machine you get a container. It's a compute engine that allows you to use containers as a fundamental compute primitive without having to manage the underlying instances.