ECS -Amazon Elastic Container Service

Why Amazon ECS?

After Amazon ECS

This helped a lot!

Challenges

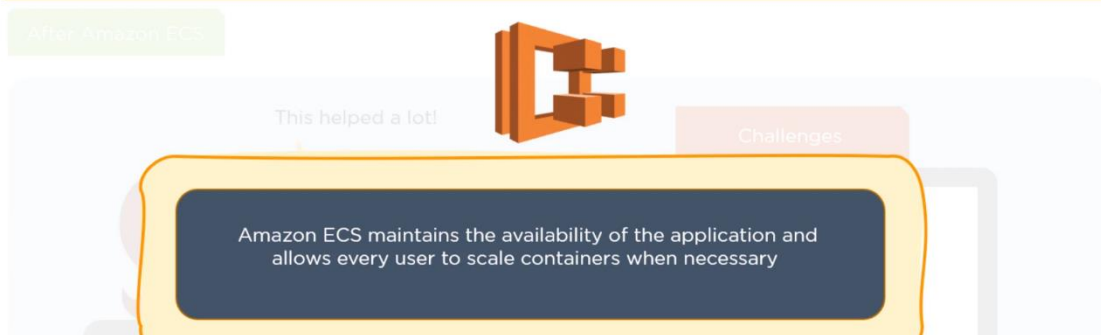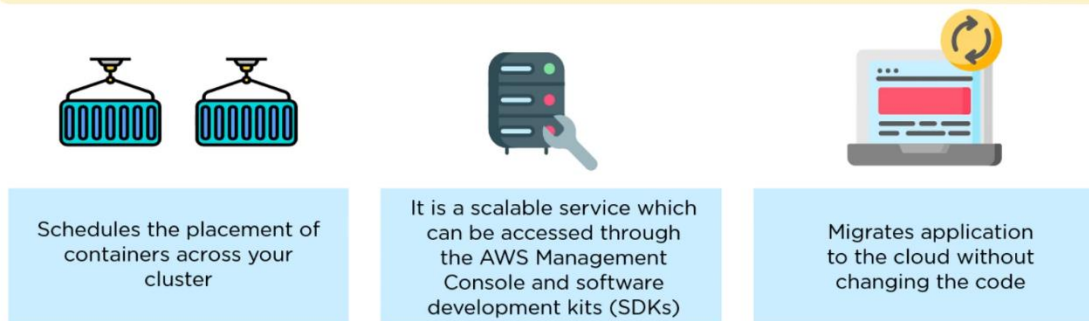Amazon ECS maintains the availability of the application and allows every user to scale containers when necessary
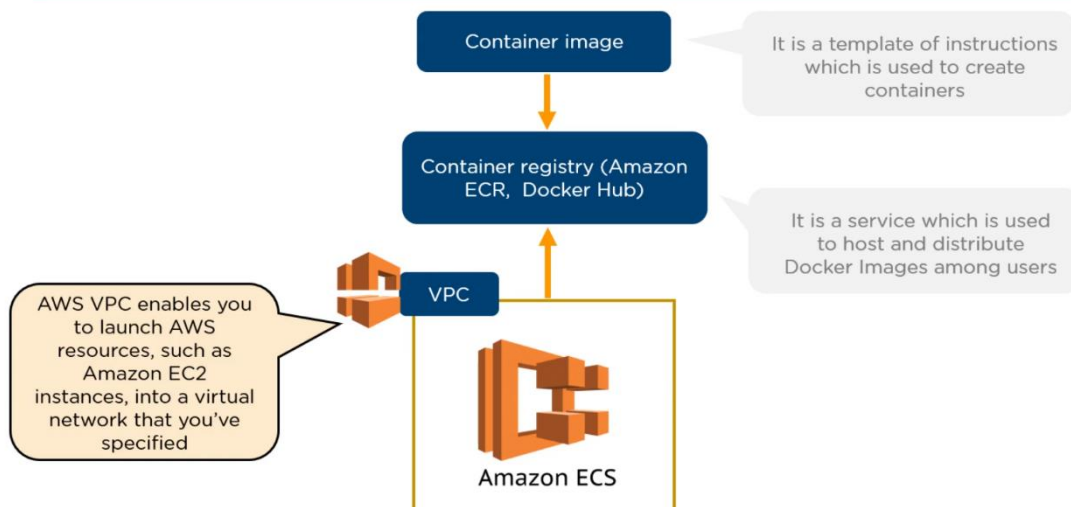
What is Amazon ECS?

Amazon Elastic Container Service (Amazon ECS) is a container management service which can quickly launch, exit, and manage Docker containers on a cluster

Schedules the placement of containers across your cluster

It is a scalable service which can be accessed through the AWS Management Console and software development kits (SDKs)

Migrates application to the cloud without changing the code

Advantages of Amazon ECS

Improved security

Cost-efficient

Extensible

aws

Easily scalable

Improved compatibility

Architecture of Amazon ECS

Container image

It is a template of instructions which is used to create containers

Container registry (Amazon ECR, Docker Hub)

It is a service which is used to host and distribute Docker Images among users

VPC

AWS VPC enables you to launch AWS resources, such as Amazon EC2 instances, into a virtual network that you've specified

Amazon ECS

How to deploy Docker containers on Amazon ECS?

aws

Create an AWS account

Set up your first run with Amazon ECS

Create a task definition

Result: Launch instance & run service.

Configure your cluster

Configure the Amazon ECS service