Amazon ECS

ECS **Services** are used to maintain a **desired count** of tasks
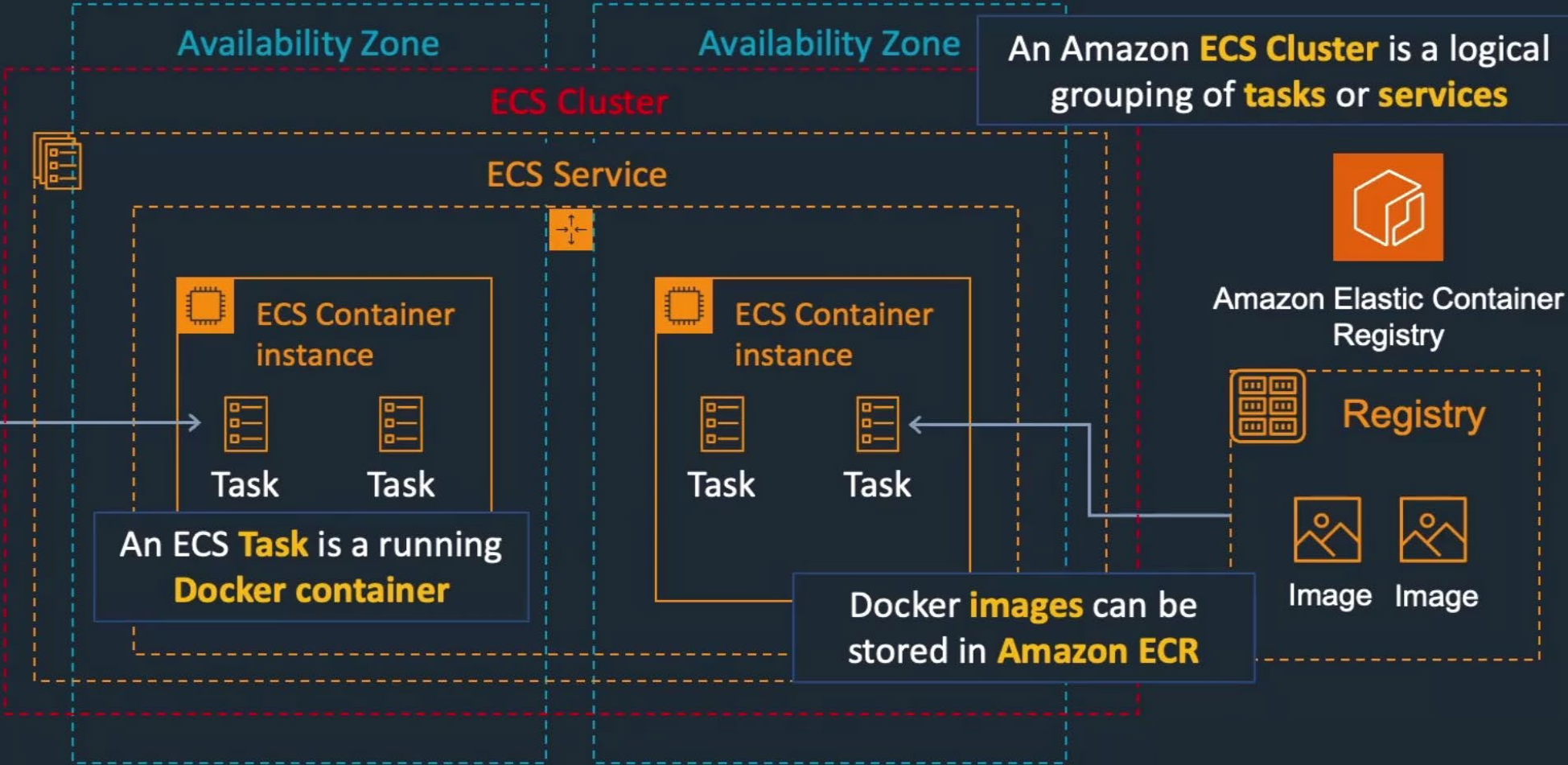
Amazon Elastic Container Service

An ECS **Task** is created from a **Task Definition**

An Amazon **ECS Cluster** is a logical grouping of **tasks** or **services**

Task Definition

```
{
  "containerDefinitions": [
    {
      "name": "wordpress",
      "links": [
        "mysql"
      ],
      "image": "wordpress",
      "essential": true,
      "portMappings": [
        {
          "containerPort": 80,
          "hostPort": 80
        }
      ],
      "memory": 500,
      "cpu": 10
    }
```

Availability Zone

Availability Zone

ECS Cluster

ECS Service

ECS Container instance

Task   Task

ECS Container instance

Task   Task

An ECS **Task** is a running **Docker container**

Docker **images** can be stored in **Amazon ECR**

Amazon Elastic Container Registry

Registry

Image   Image

Let's Improve It...