



ECS



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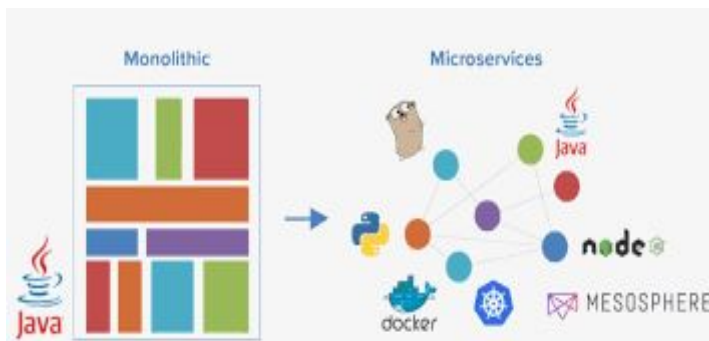
# AWS Container Orchestration

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## What is Container Orchestration?

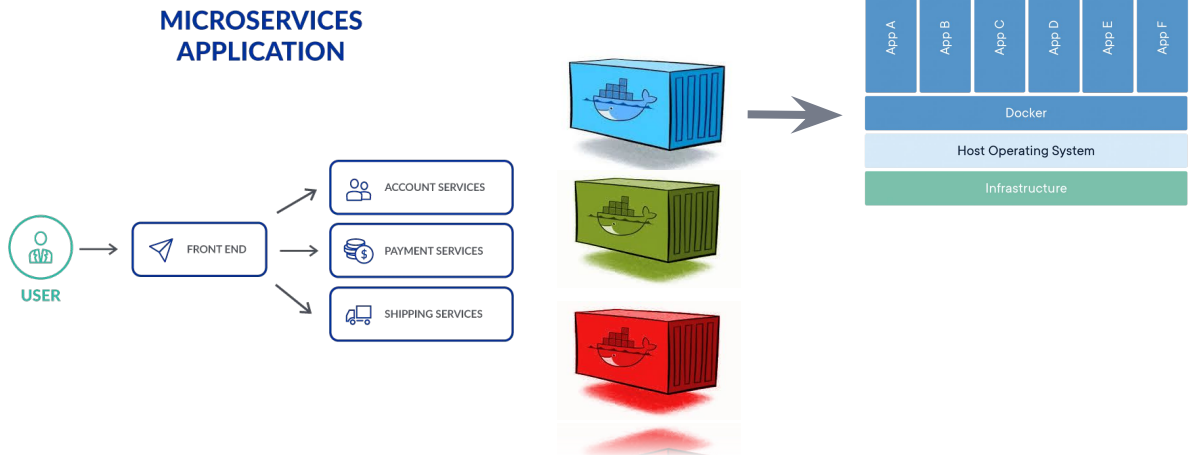
### Microservices vs Monolith





# AWS Container Orchestration

## What is Container Orchestration?



# AWS Container Orchestration

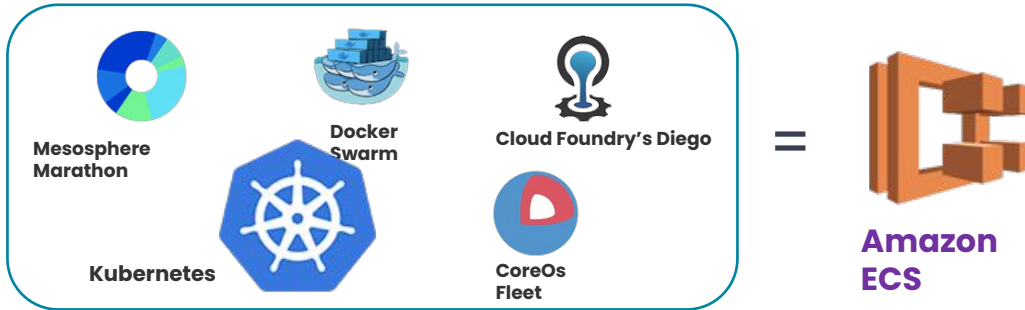
## What is Container Orchestration?





# AWS Container Orchestration

## What is Container Orchestration?



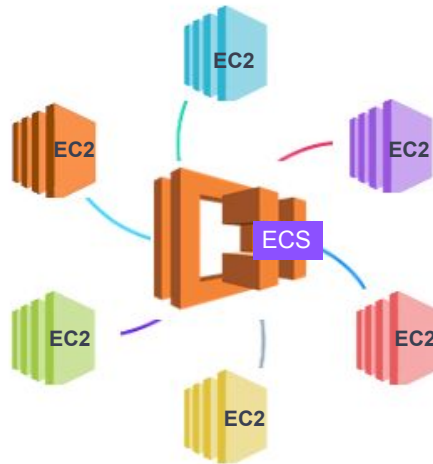
2

## Amazon Elastic Container Service



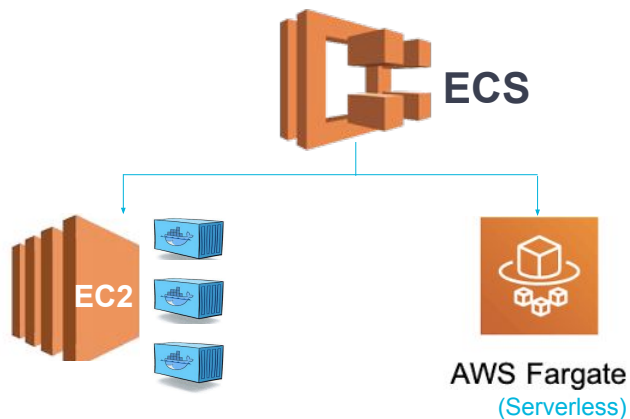
# Amazon ECS

## What is Amazon ECS?



# Amazon ECS

## What is Amazon ECS?



**EC2 - your own car**



**Fargate**





# Amazon ECS

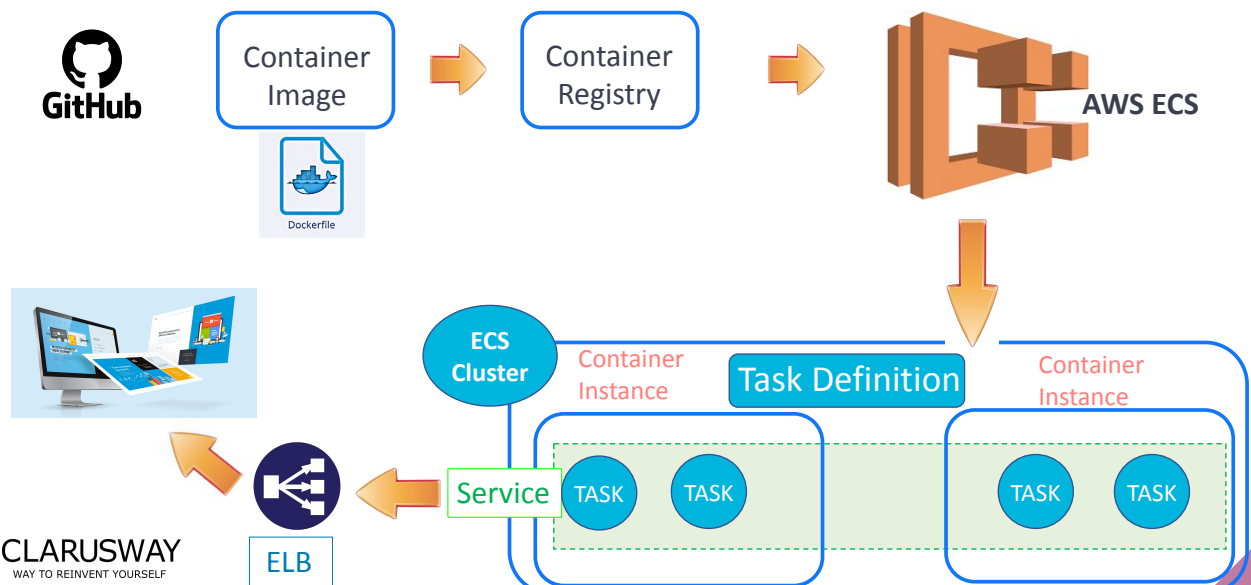
## Key Components of ECS

ECS	Description
Cluster	A logical grouping of tasks or services.
Task Definition	The blueprint that describes how a Docker container launch
Task	A running container of a task definition within a cluster
Service	It allows us to run and maintain our desired number of tasks simultaneously in an Amazon ECS cluster.

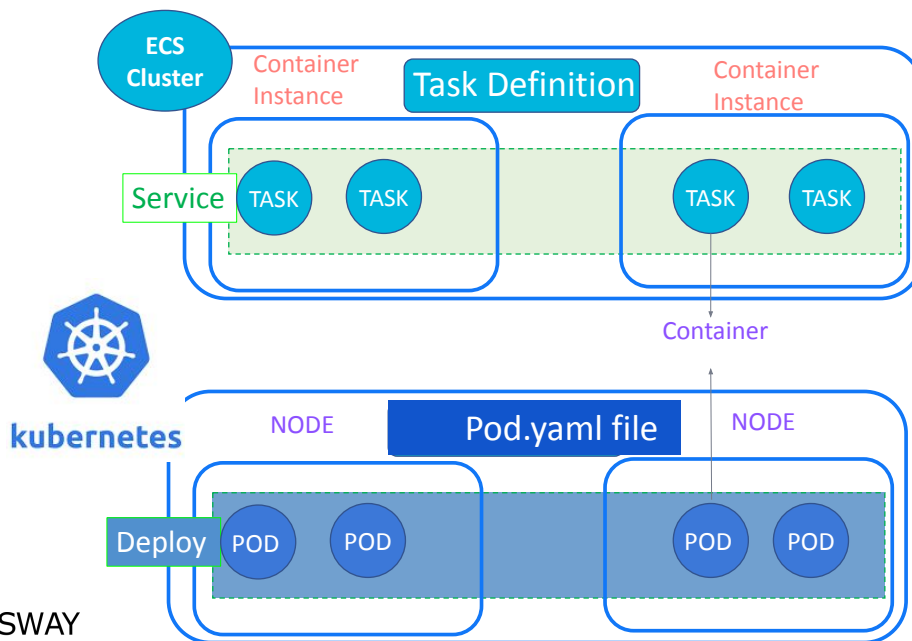


# AWS Container Orchestration

## What is Container Orchestration?



## ECS vs Kubernetes



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## Amazon ECS

### Manage Amazon ECS



Interface	Description
AWS Management Console	Provides a web interface that you can use to access your Amazon ECS resources.
AWS Command Line Interface	Provides commands for a broad set of AWS services, including Amazon ECS.
AWS Copilot	Provides an open-source tool for developers to build, release, and operate production ready containerized applications on Amazon ECS.
Amazon ECS CLI	Provides a command line interface for you to run your applications on Amazon ECS and AWS Fargate using the Docker Compose file format.

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# Amazon ECS

## ECS vs EKS

	 ECS	 Amazon EKS
<b>Simplicity /Flexibility</b>	Simple	Flexible
<b>Pricing</b>	Free of charge	\$0.10 per hour for using <b>EKS service</b> equals \$72 per month for each <b>cluster</b>
<b>Security</b>	Deeply integrated with IAM	Requires add-ons to enable IAM functionality
<b>Portability</b>	Only available in AWS env.	You can run clusters in any other Kubernetes environment even on-premises
<b>Community Support</b>	No	Yes



# AWS ECS

Let's get our hands dirty!





# THANKS!

## Any questions?



## task role or task execution role

