



ECS



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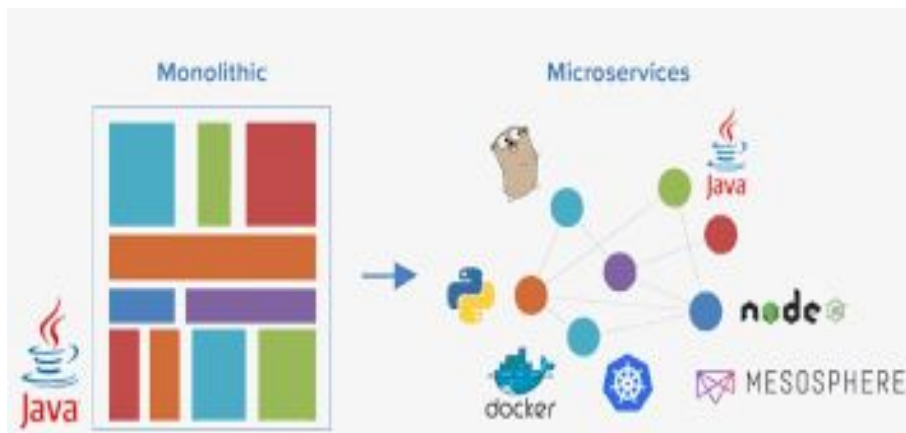
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AWS Container Orchestration

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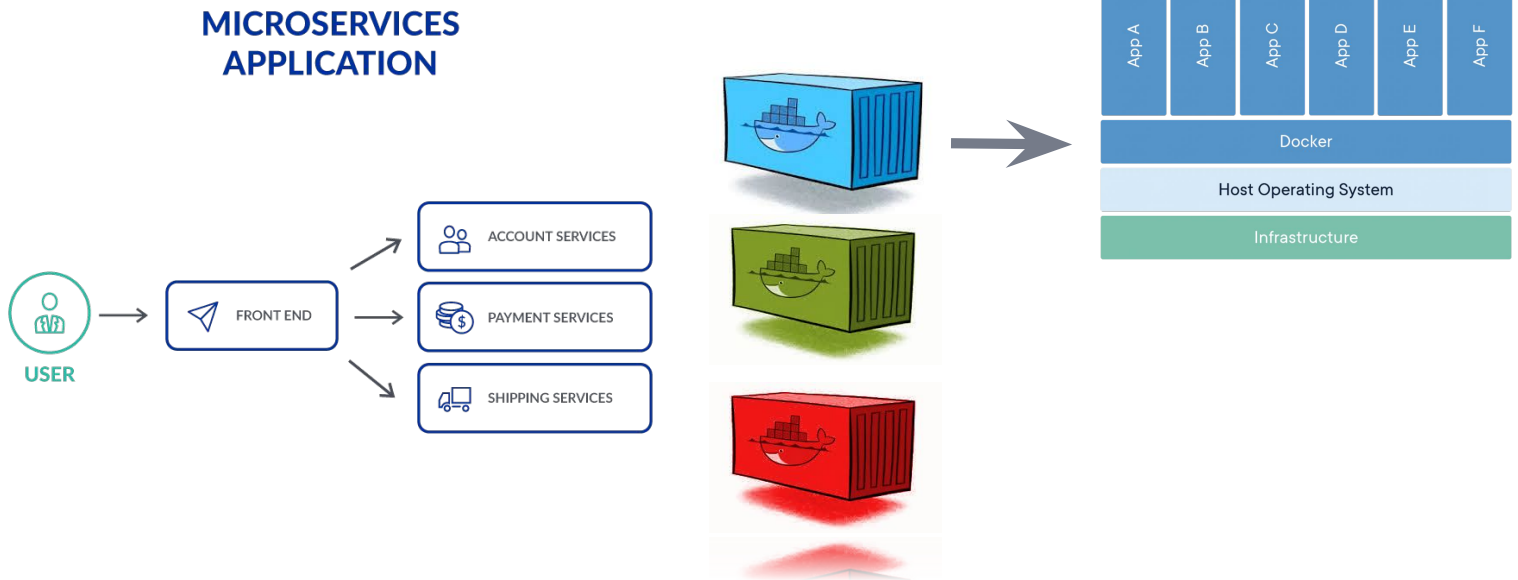
What is Container Orchestration?

Microservices vs Monolith



AWS Container Orchestration

What is Container Orchestration?



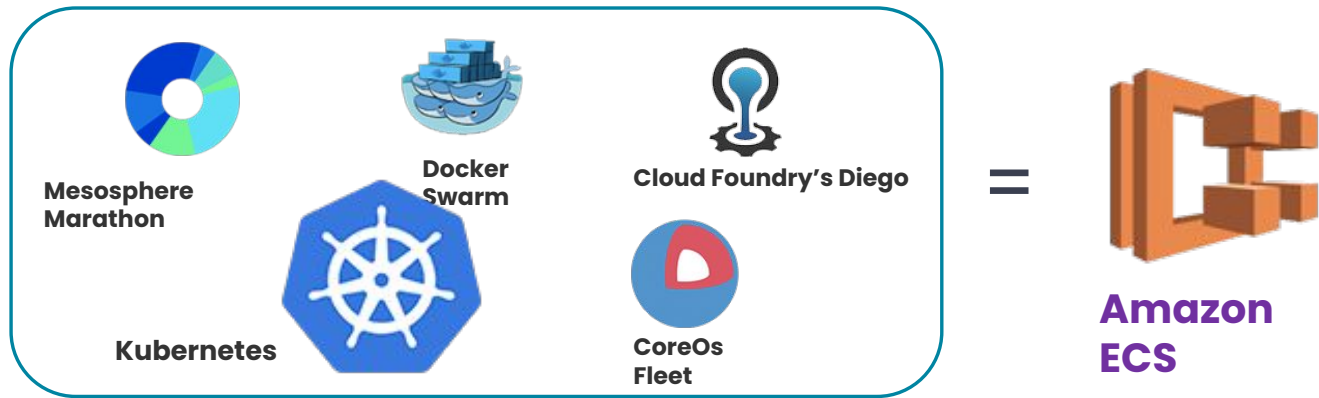
AWS Container Orchestration

What is Container Orchestration?



AWS Container Orchestration

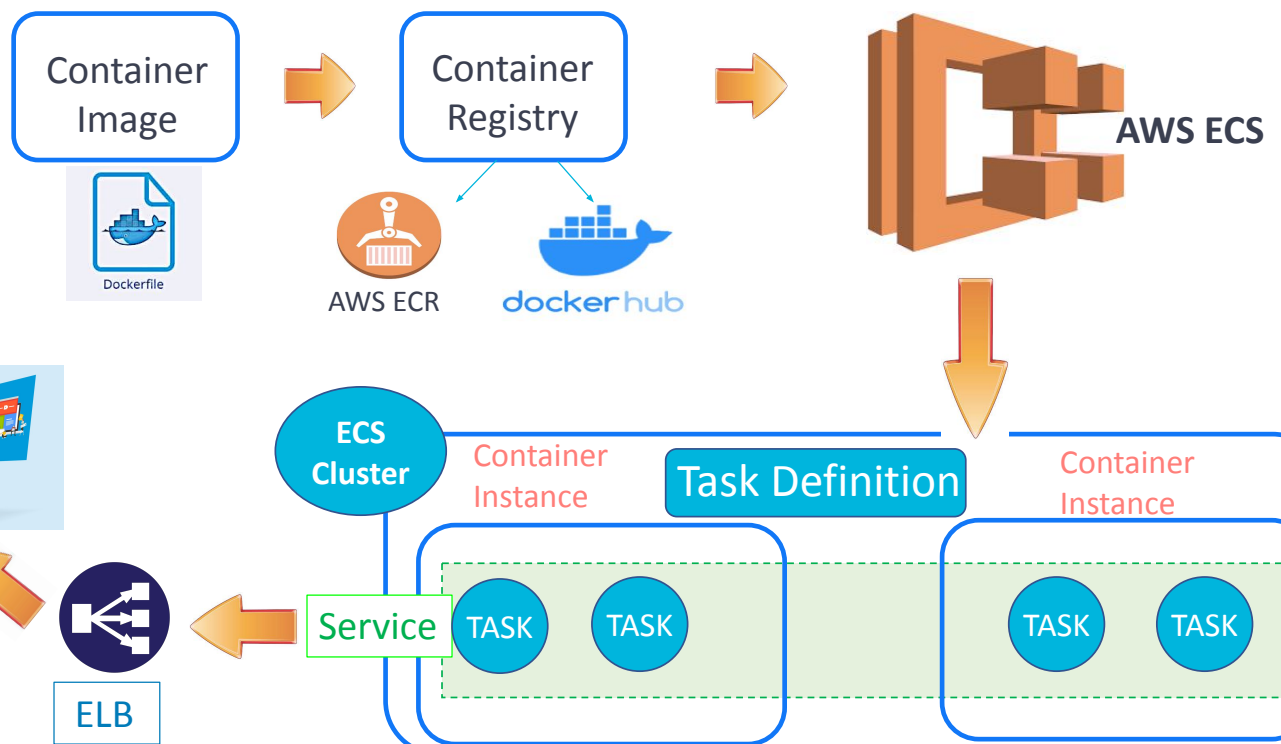
What is Container Orchestration?



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AWS Container Orchestration

What is Container Orchestration?



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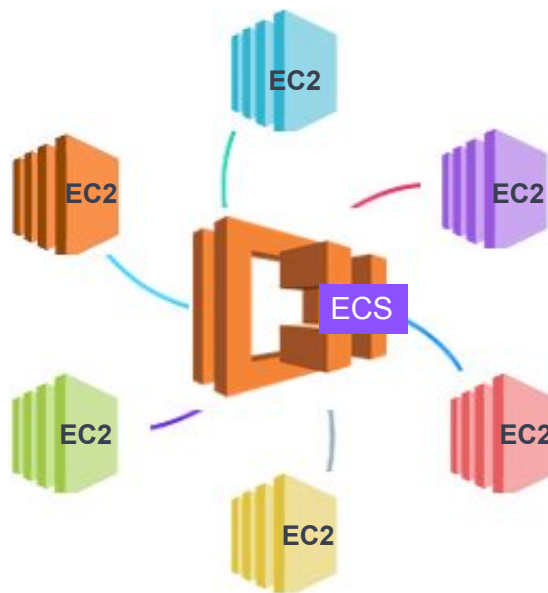


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Amazon Elastic Container Service

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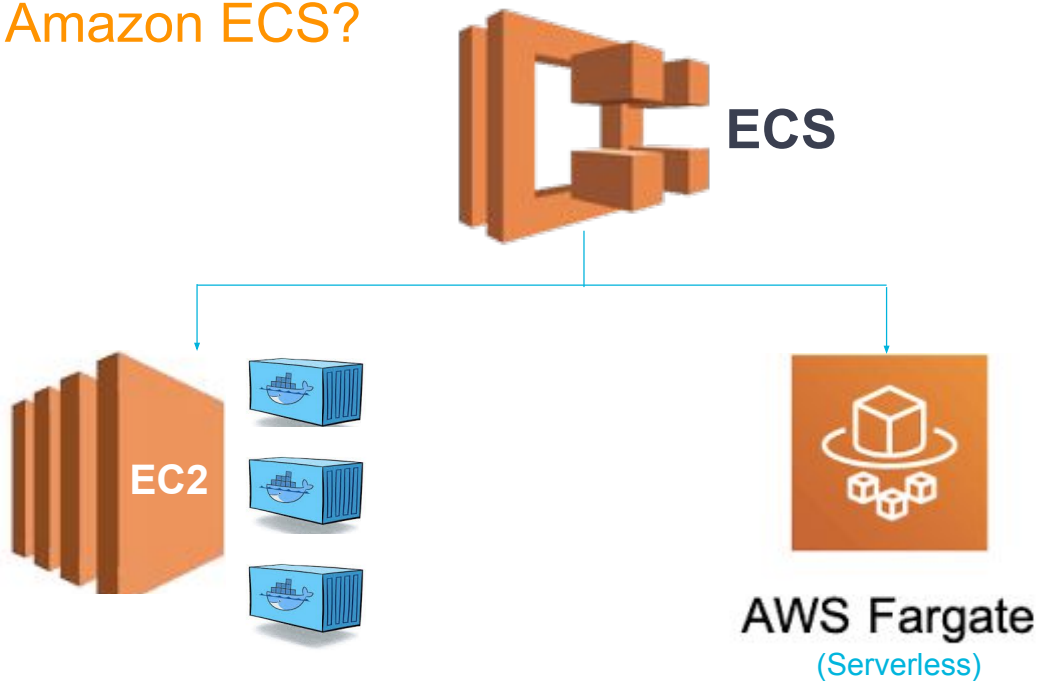
Amazon ECS What is Amazon ECS?



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Amazon ECS

What is Amazon ECS?



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Amazon ECS

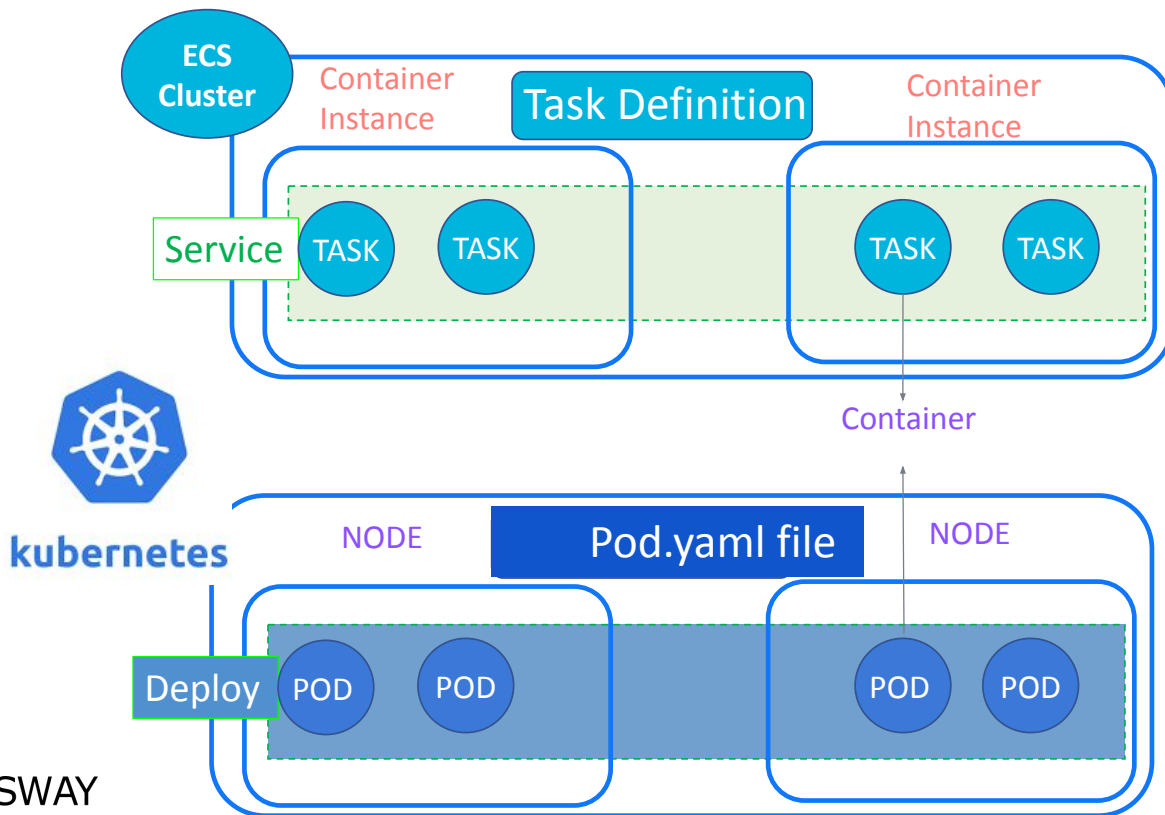
Key Components of ECS

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.



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

AWS ECS



Let's get our hands dirty!



THANKS!

Any questions?

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