# AWS - Fargate

- **AWS Fargate** is a serverless compute engine for containers that works with both Amazon Elastic Container Service (ECS) and Amazon Elastic Kubernetes Service (EKS).

- Fargate makes it easy for you to focus on building your applications.

- Fargate removes the need to provision and manage servers, lets you specify and pay for resources per application, and improves security through application isolation by design.

- Fargate allocates the right amount of compute, eliminating the need to choose instances and scale cluster capacity.

- You only pay for the resources required to run your containers, so there is no over-provisioning and paying for additional servers.

- Fargate runs each task or pod in its own kernel providing the tasks and pods their own isolated compute environment.

- This enables your application to have workload isolation and improved security by design.

- This is why customers such as Vanguard, Accenture, Foursquare, and Ancestry have chosen to run their mission critical applications on Fargate

References:
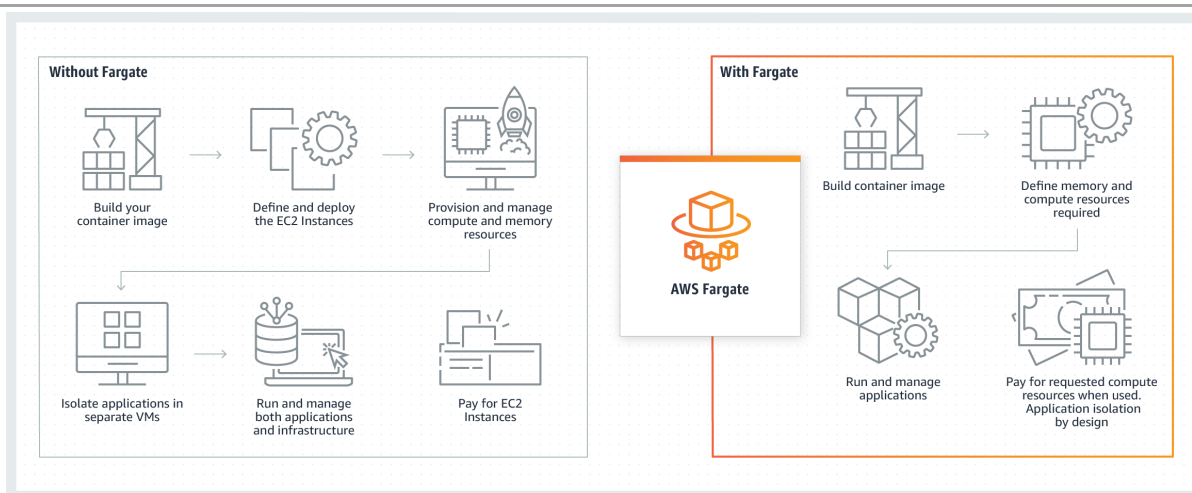
https://aws.amazon.com/fargate/

https://docs.aws.amazon.com/AmazonECS/latest/developerguide/ECS_GetStarted_Fargate.html

Check out this Amazon ECS Cheat Sheet:

https://tutorialsdojo.com/aws-cheat-sheet-amazon-elastic-container-service-amazon-ecs/