## AWS Compute Services

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#### DOCKER;

\* Software development platform to deploy apps.

\* Apps are packaged in containers

\* Scale containers up & down very quickly.

\* Docker images are stored in docker repositories called Docker Hub

\* Also, images can be stored in private in Amazon ECR (Elastic Container Registry)

# ECS -> Elastic Container Service:

\* Used to launch docker containers on Aws

\* You must provision & maintain Un infrastructure (EC2 Instances)

# PARGATE:

\* Launcher docker containers on Aws

\* No need to provision/maintain the infrastructure - Simpler than Ecs

de Serverlees offering.

# ECR: Elastic Container Registry?

\* Private Docker Registry on AWS

Mages, so they can be run by Ecs or Pargati.

# SERVERLESS SERVICES:

\* Amazon S3

\* Dynamo DB

\* Farrgati

\* Lambda.

## LAMBDA :

\* Virtual Functione - no servers to be managed

\* Limited by time - short executions

\* Lun on-dunand

\* Scaling is automated. \* Easy pricing

- Pay per time and compute time

- Free tier of 1,000,000 regs - Pricing based on calls & duration

- Very chap & popular.

\* Integrated with many services

\* Eary monitoring through Aws cloudwatch.

AMAZON API GATEWAY 8

# \* Building a serverlus API. \*\* Fully managed service for developers to

easily create, publish & monitor APIs

\* Serverteus & Scalable.

\* Expose lambda functions as HTTP APIs.

Supports Restful APIS & WebSocket APIS

AWS BATCH :

\*Fully managed batch processing at any scale.

\* A "batch" job is a job with a starst & and time.

end time.

\* A dynamically lannches Ec2 instance.

# Adynamically lannches Ec2 instances.

\*\* Defined as docker mages 2 runs on Ecs.

# AMAZON LIGHTSAIL:

\* simpler alternative to using EC2, RDS,

# Great for people with little cloud Experience

\* Great for people with little cloud Experience \* Has high availability but no auto-scaling