



## ❖ SERVER LESS:

- Serverless is a new paradigm in which the developers don't have to manage servers anymore.
- A serverless architecture is a way to build and run applications and services without having to manage infrastructure.
- They just deploy code and deploy... functions!
- Initially... Serverless means **Function as a Service (FAAS)**.
- Serverless does not mean there are no servers...it means you just don't manage/provision hardware.

## WHY USE SERVERLESS ARCHITECTURES:

- By using a serverless architecture, your developers can focus on their core product instead of worrying about managing and operating servers or runtimes, either in the cloud or on-premises.
- This reduced overhead lets developers reclaim time and energy that can be spent on developing great products which scale and that are reliable.

## SERVERLESS SERVICES ON AWS:

- AWS Lambda
- Amazon SQS
- Amazon EventBridge
- Amazon EFS
- Amazon SNS
- Amazon S3
- Amazon DynamoDB
- AWS AppSync
- AWS Fargate
- AWS Step Functions
- Amazon API Gateway
- Amazon Aurora Serverless.... etc.

➤ **TRADITIONAL vs SERVERLESS:**

- A traditional architecture has physical servers which are accessed over the Internet to provide access to services and information.
- A Serverless computing offers a number of advantages over traditional cloud-based or server-centric infrastructure.

