HORRIBLY AWESOME NOMENCLATURE: SERVERLESS

What is serverless? What's an API Gateway? What's Lambda? These are questions I began asking myself while working with a client on a scalable, reliable, and cost-effective bulletproof architecture.

THE GLUE AKA LAMBDA

- S3 is to Storage as Lambda is to Cloud Computing. With Lambda, you can start to think of your business logic as a Faas (Function as a service) or BaaS(Backend as a service). What does that mean? It means that any part of your backend can become a function that is scalable without worrying about provisioning servers which also leaves your cloud provider liable for security on top of that you are only charged for every 100ms of usage, the first 1 million request per month are free, and $0.20 for every 1 million thereafter.

THE PAPER AKA API GATEWAY

- API gateway couples Lambda into a serverless REST API. It offers flexible security if your team is already using OAuth or any other verification you can create a Lambda to use the existing authorizer. If not, you can use Cognito and IAM to sign APIs on your behalf giving you the same class of security that Amazon Web Services uses themselves.

- As far as pricing goes for an API gateway, it varies based on the user's region. Take a look at U.S. East - although the free tier is 1 million a month for API calls, content out delivery is priced at $0.09 GB for the first 10TB.

SERVERLESS

- Without the Lambda and API respective gateways, serverless couldn't be possible and that's what really makes the application "serverless". There's still are servers being provisioned, patched and secured just not by you.
Serverless just means that someone else is doing the heavy lifting without having to take time and resources away from your team, enabling a rapid time market, scalability effortlessly at an affordable cost model.

IN SHORT
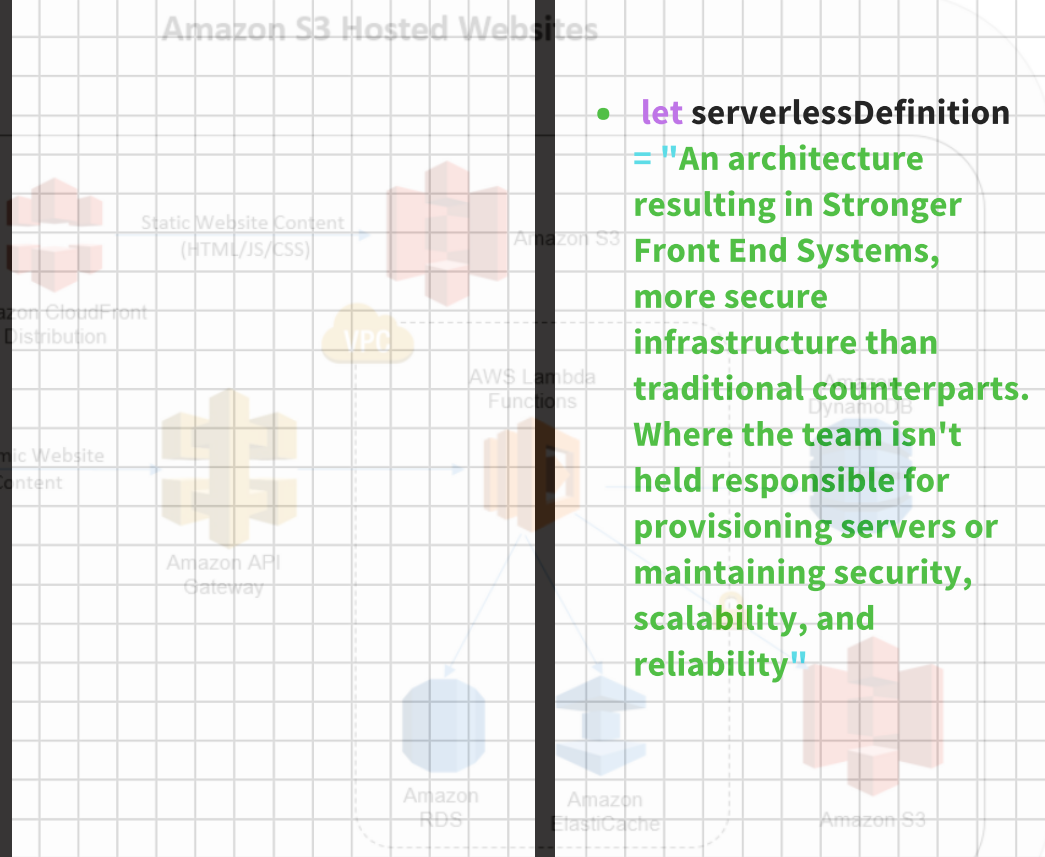
- let **serverlessDefinition = "An architecture resulting in Stronger Front End Systems, more secure infrastructure than traditional counterparts. Where the team isn't held responsible for provisioning servers or maintaining security, scalability, and reliability"**