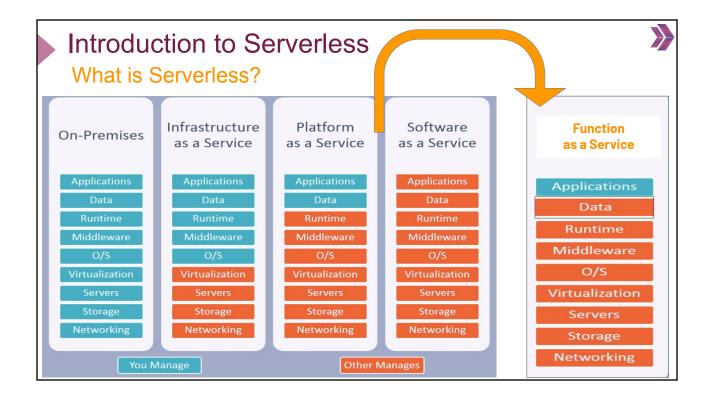


Table of Contents

- Introduction to Serverless
- AWS Lambda
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Introduction to Serverless Infrastructure



What is Serverless Infrastructure and Why?



- Run applications without having to manage servers.
- Eliminate infrastructure management
- Cost effective

AWS Lambda





What is Lambda?





- AWS Lambda is the first FaaS service among the global public cloud products.
- It is a serverless compute service that runs your code in response to programmed events.

CLARUSWAY

AWS Lambda

What is Lambda?

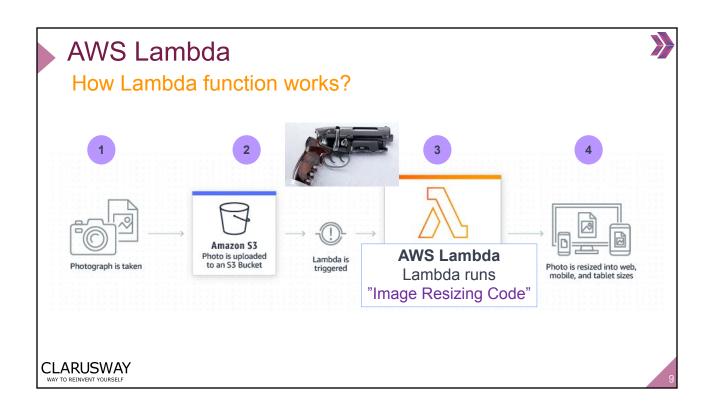






- AWS Lambda lets you run code without provisioning or managing servers
- Instead of launching an EC2 instance to run your code on it, you can just deploy your code in Lambda services and you can get the same result.







Exactly pay as you go











You will be charged as long as your instance is running even if your code runs or not.

You will be only charged when the functions that you deployed are run.





Lambda codes













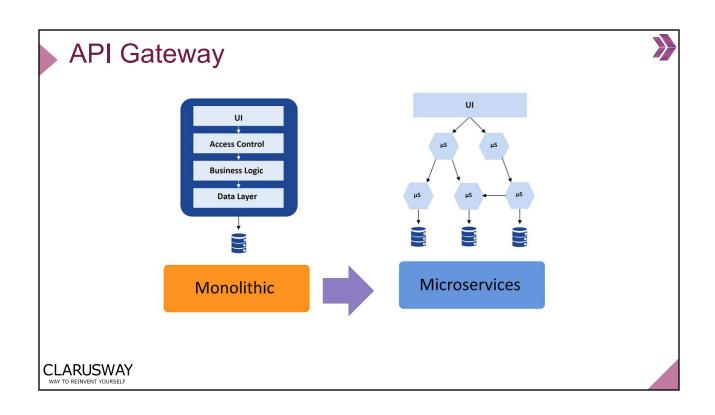


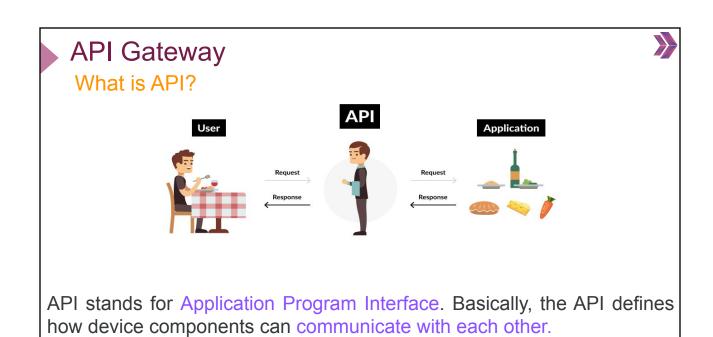
Lambda supports Java, Go, PowerShell, Node.js, C#, Python, and Ruby code.

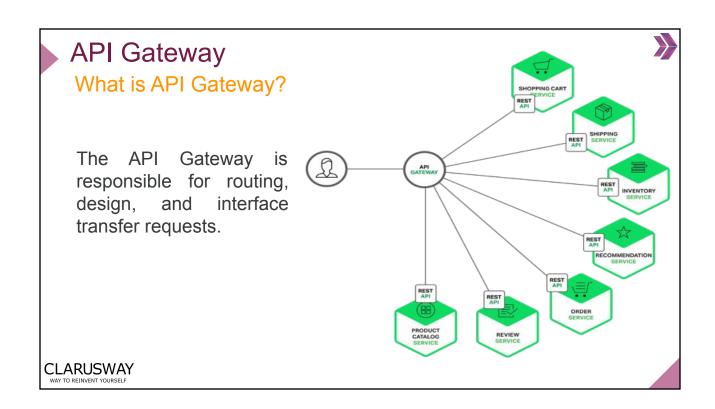
CLARUSWAY

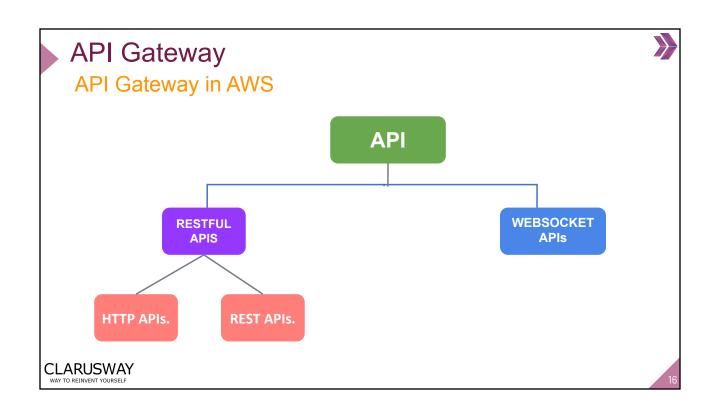
API Gateway

CLARUSWAY
WAY TO REINVENT YOURSELF









API Gateway

What is REST?

- REST (Representational State Transfer) is a service structure that enables easy and fast communication between client and server.
- REST runs on HTTP.
- JSON or XML type

CLARUSWAY

API Gateway

What is RESTful?

- Web services that use REST architecture are called RESTful services.
- GET,
- POST,
- PUT,
- DELETE







AWS Lambda

Lambda and API Gateway

- Alexa
- API Gateway
- CloudTrail
- CloudWatch Events
- CloudWatch Logs
- CloudFormation
- CloudFront (Lambda@Edge)
- CodeCommit
- CodePipeline
- Cognito
- Config
- DynamoDB
- EC2
- ElastiCache
- Elastic Load Balancing

- EFS
- IoT
- IoT Events
- · Kinesis Firehose
- · Kinesis Streams
- Lex
- RDS
- S3
- S3 Batch
- SES
- SNS
- SQS
- Step Functions
- X-Ray





Although you can trigger Lambda function in different way, the most common trigger of the Lambda function is API Gateway

Thanks to Lambda and API Gateway combination you can create fully automated system.





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Let's get our hands dirty!



