AWS Lambda Basics 101

What is AWS Lambda ?

- Amazon Lambda is a compute service that lets you run code without provisioning or managing servers

- AWS Lambda executes your code only when needed and scales automatically; you pay only for the compute time you consume, there is no charge when your code is not running

AWS Lambda

- AWS Lambda runs your code on a high-availability compute infrastructure and performs all of the administration tasks of the compute resources
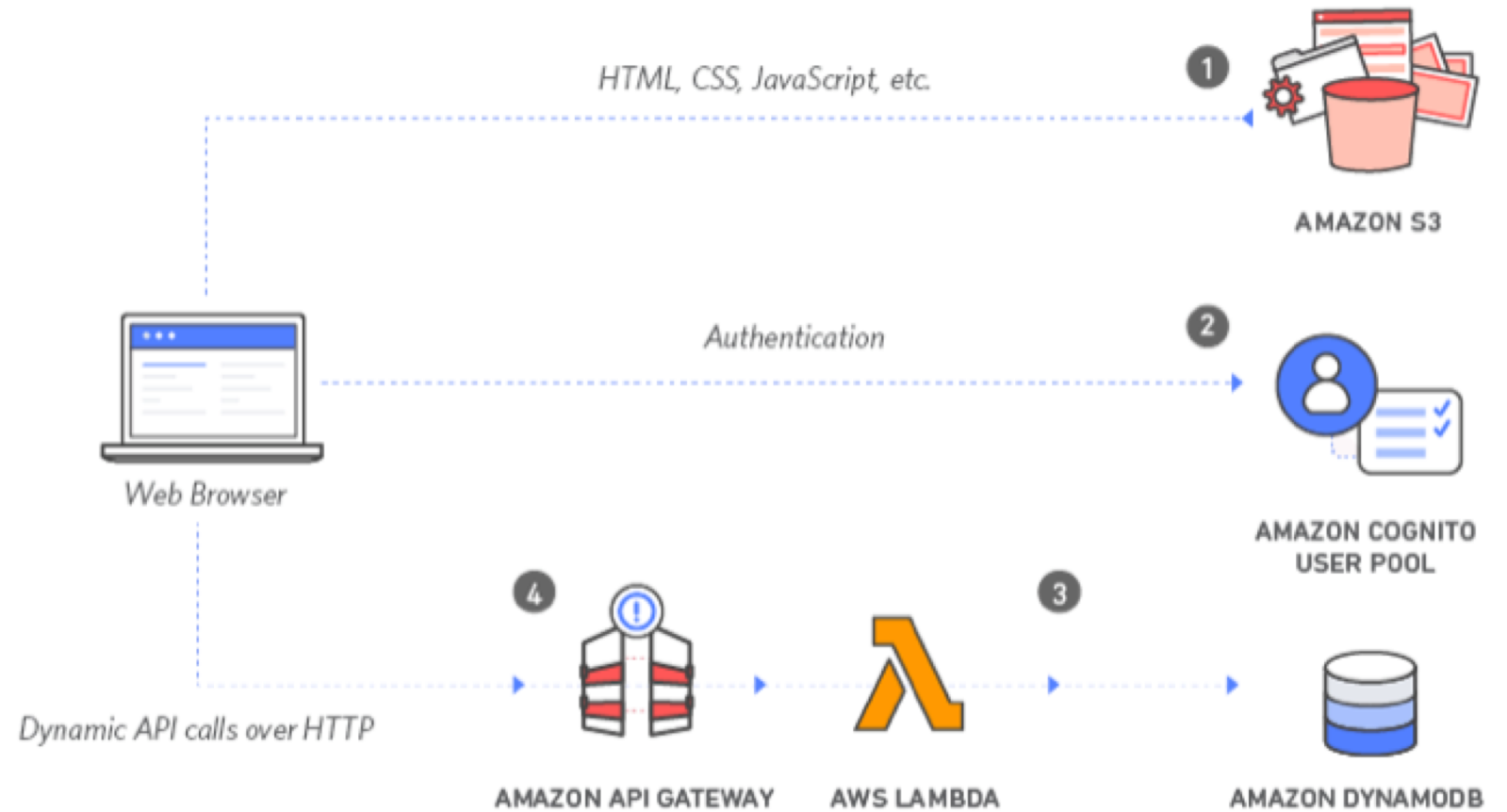
What is AWS Lambda ?

- On your behalf:
  - server and operating system maintenance
  - capacity provisioning
  - automatic scaling
  - code monitoring
  - logging

AWS Lambda

- You can use AWS Lambda to run your code in response to events; as an example, run your code in response to HTTP requests using Amazon API Gateway

Build a Serverless Web Application

RESTful API

JavaScript executed in the browser sends and receives data from a public backend API built using Lambda and API Gateway.

HTML, CSS, JavaScript, etc.

AMAZON S3

Web Browser

Authentication

AMAZON COGNITO USER POOL

Dynamic API calls over HTTP

AMAZON API GATEWAY

AWS LAMBDA

AMAZON DYNAMODB

AWS Certified Cloud Practitioner

AWS Lambda Pricing

- With AWS Lambda, you pay only for what you use

- You pay only for the compute time you consume, there is no charge when your code is not running

- You are charged based on the number of requests for your functions and the time it takes for your code to execute

AWS Lambda

- Lambda registers a request each time it starts executing in response to an event notification or invoke call

Thank you