

SERVERLESS



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Data Science Retreat

AGENDA

Theoretical
info about
cloud
computing,
serverless,
aws and
lambda

Hands-on labs

AWS Management Console

AWS Command Line Interface
aws-cli

AWS SDK for
Python
Boto3

Intro

create a
lambda from
blueprint

create a
lambda from
scratch

setup local
env

create a
lambda with
the cli

create a
lambda with
the shell
scripts

More
complex
example,
create a
lambda that
use boto3,
polly, s3

WHAT IS CLOUD COMPUTING?

- on-demand delivery of IT resources
- pay-as-you-go pricing



REGIONS



<https://aws.amazon.com/about-aws/global-infrastructure/>

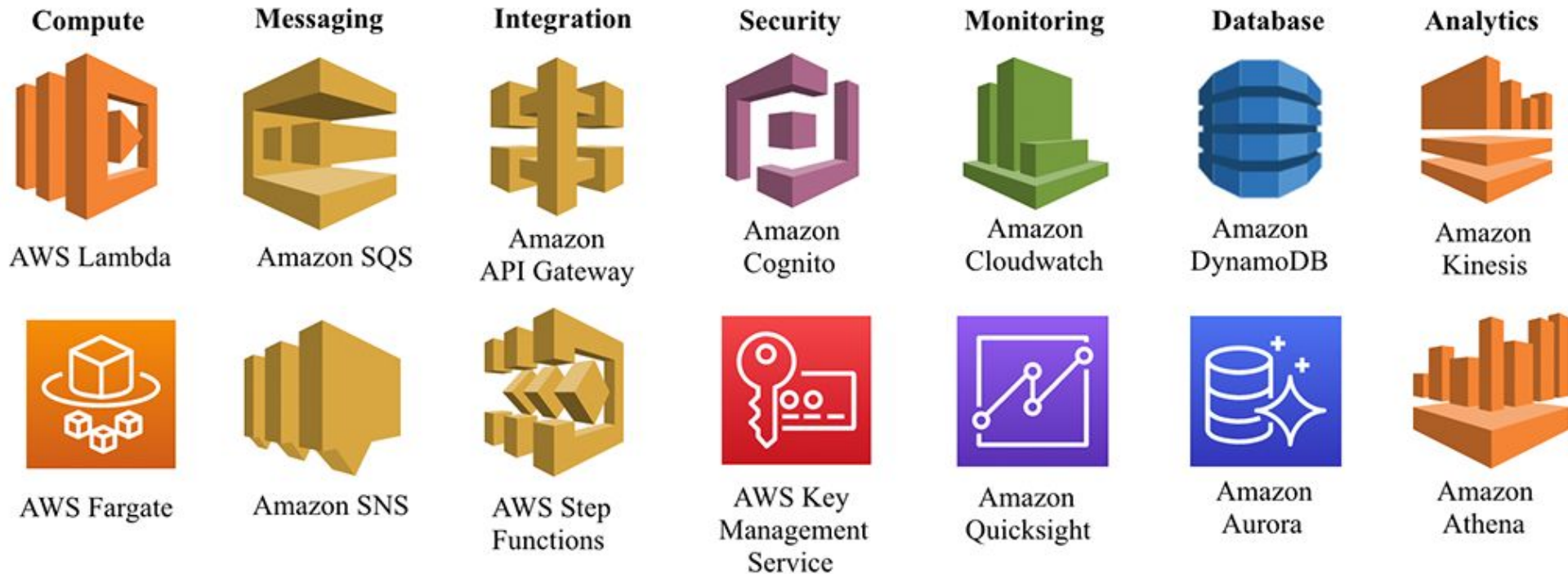
INSIDE THE DATA CENTER



WHAT IS SERVERLESS?

- No servers to provision or manage
- Scale based on your usage
- Only pay for what you use
- Built-in availability

AWS SERVERLESS PLATFORM

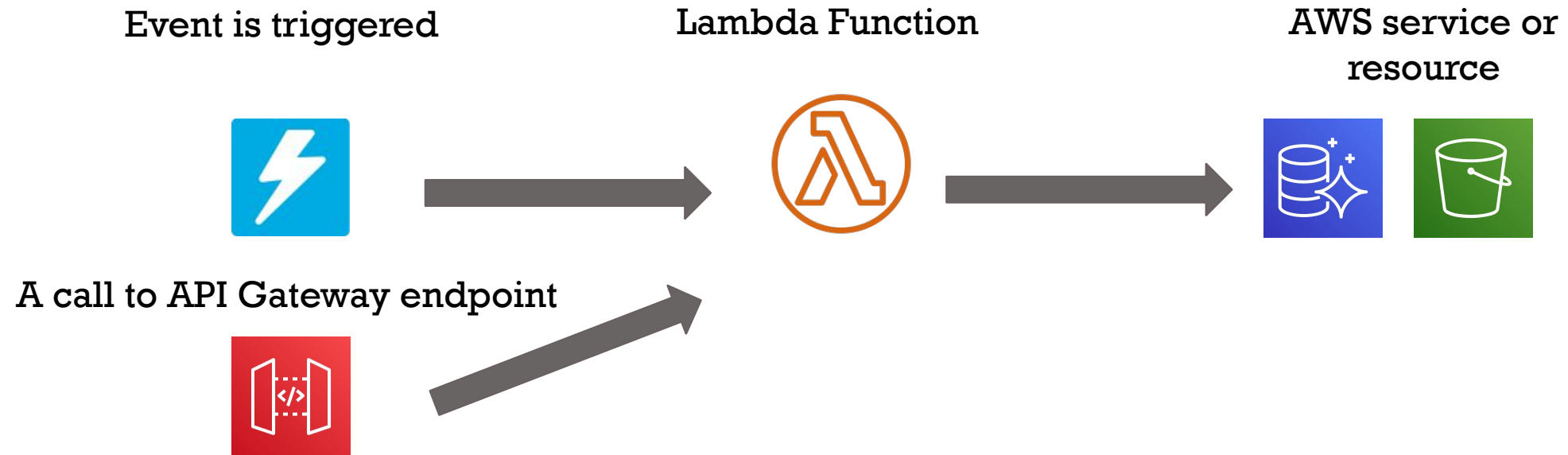


AWS LAMBDA

- AWS Lambda is a serverless compute service
- It runs your code in response to events and automatically manages the underlying compute resources for you.
- Extend other AWS services with custom logic



HOW TO USE IT?



SPOILER ALERT ...

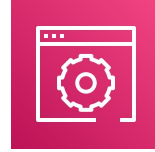
- we will touch today ..



AWS Lambda



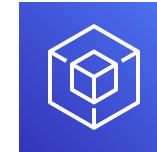
AWS Identity and Access Management



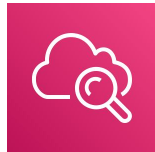
AWS Management Console



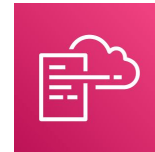
AWS Command Line Interface



AWS Tools and SDKs



Amazon CloudWatch



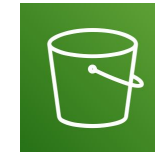
AWS CloudFormation



Amazon Polly



AWS Budgets



Amazon Simple Storage Service