Chafik NOUIRA, LesFurets.com
tp-bigdata@lesfurets.com

# Plan

1. **What is AWS ?**
2. Service overview
3. How much it costs ?
4. How big it is ?
5. Main services

# What is AWS ?

# What is AWS ?

- Infrastructure as a service

# What is AWS ?

- Infrastructure as a service
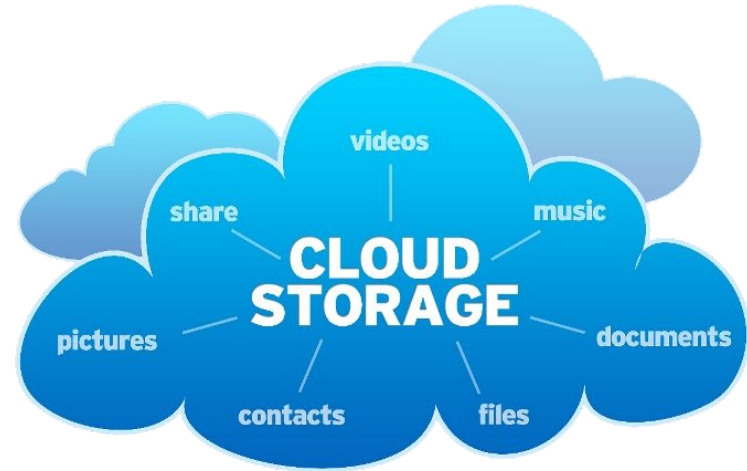
- Platform as a service

# What is AWS ?

- Infrastructure as a service

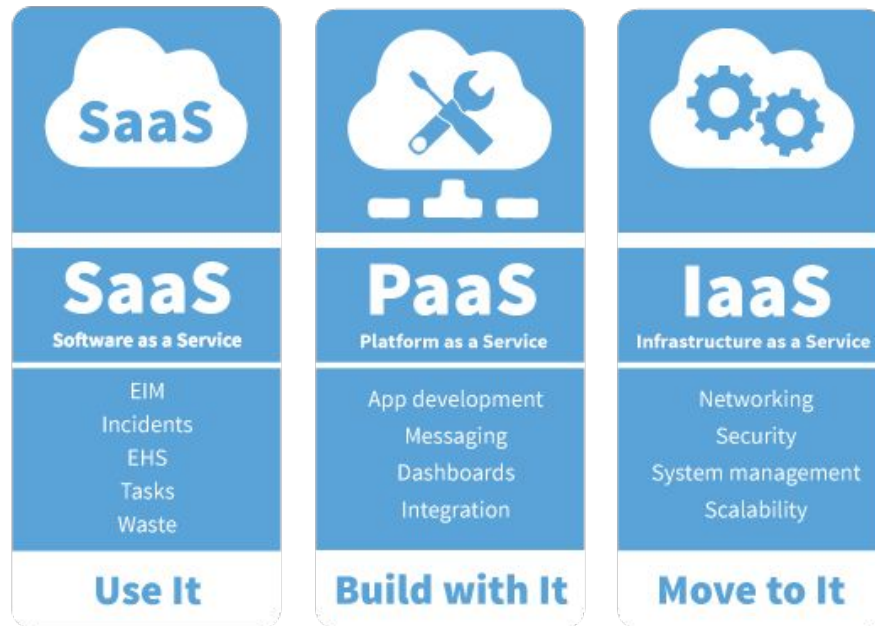- Platform as a service

- Software as a service

# What is AWS ?

- Infrastructure as a service

- Platform as a service

- Software as a service

- Cloud storage platform

# What is AWS ?

- Infrastructure as a service

- Platform as a service

- Software as a service

- Cloud storage platform

- Global cloud platform

# What is AWS ?

- Used by many companies !

NETFLIX

# What is AWS ?
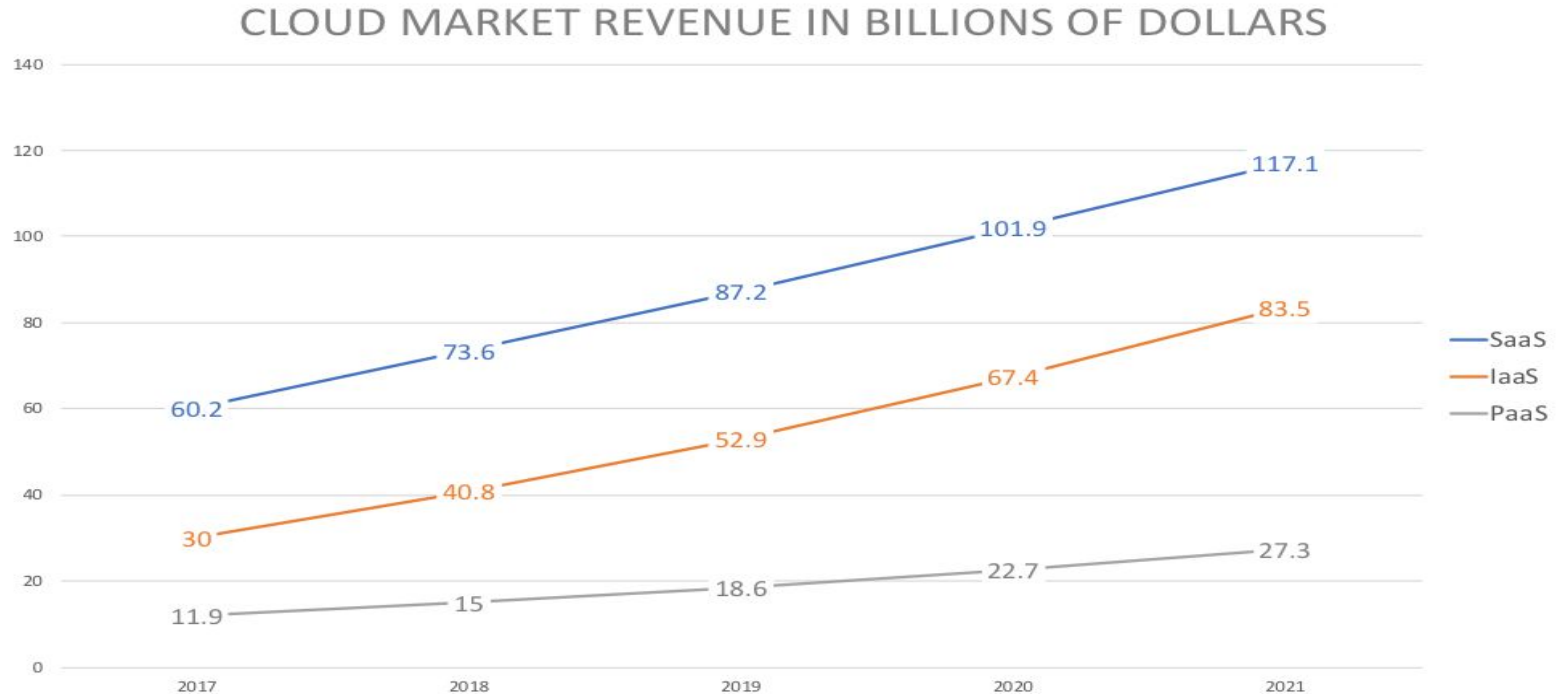
- Used by many companies !

# What is AWS ?

- Used by many companies !

# What is AWS ?

- Used by many companies !

# What is AWS ?

- ● Market share

## CLOUD MARKET REVENUE IN BILLIONS OF DOLLARS

| | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|---|---|---|---|---|
| SaaS | 60.2 | 73.6 | 87.2 | 101.9 | 117.1 |
| IaaS | 30 | 40.8 | 52.9 | 67.4 | 83.5 |
| PaaS | 11.9 | 15 | 18.6 | 22.7 | 27.3 |

# What is AWS ?

- Market share

Source : https://www.skyhighnetworks.com/cloud-security-blog/microsoft-azure-closes-iaas-adoption-gap-with-amazon-aws/
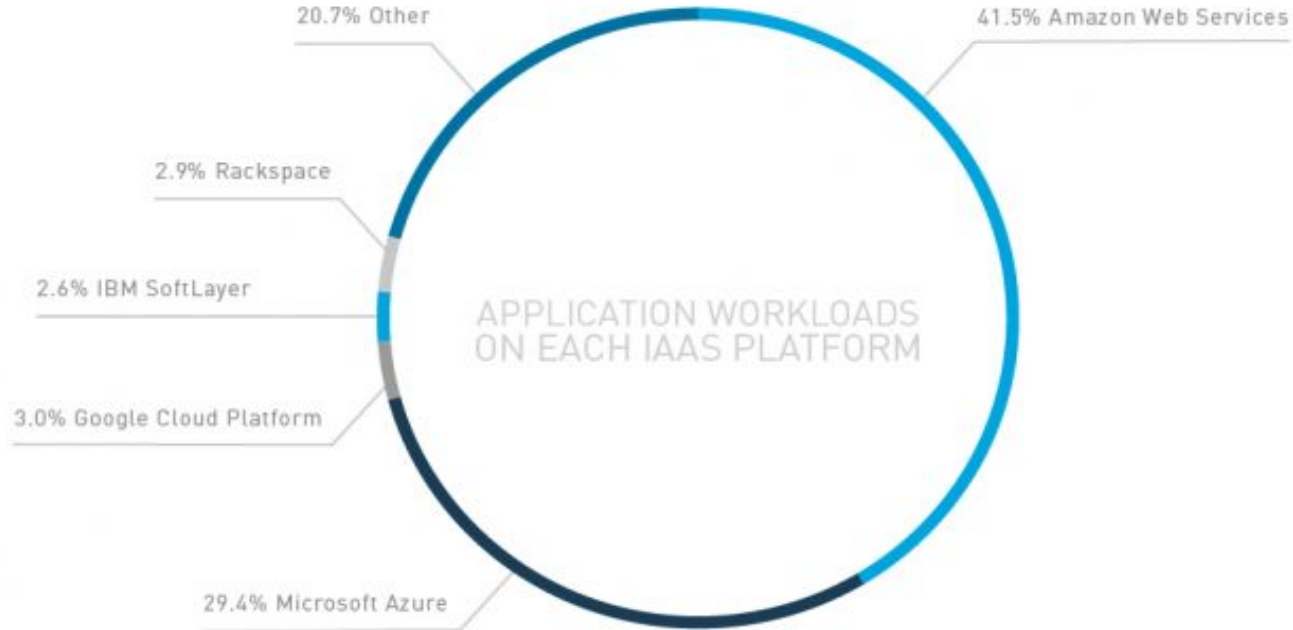
# What is AWS ?

- Market share



AWS vs Azure vs Google Market Share

AWS · Azure · Google · Others

62% · 20% · 12% · 6%

Source : https://www.whizlabs.com/blog/aws-vs-azure-vs-google/
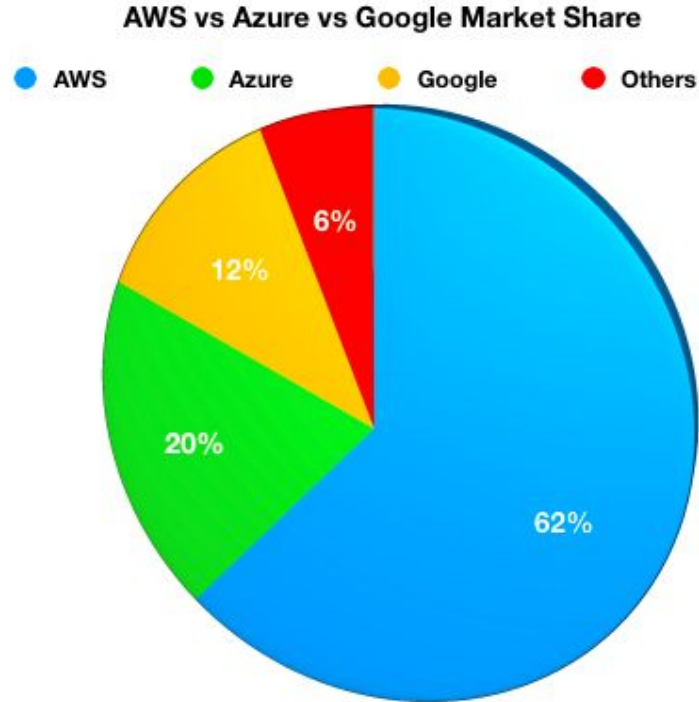
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# Service overview

- Compute


Amazon EC2

# Service overview

- Compute

# Service overview

- Compute

# Service overview

- Compute


Amazon Lightsail


AWS Batch


Amazon EC2


Amazon Lambda

# Service overview

- Compute

Amazon Lightsail

AWS Batch

Amazon EC2

Amazon Lambda

Elastic Load Balancer
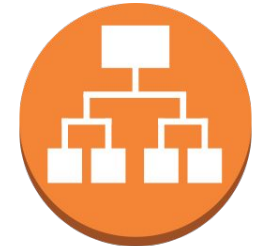
# Service overview
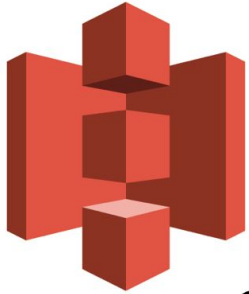
- Storage



Amazon S3

# Service overview
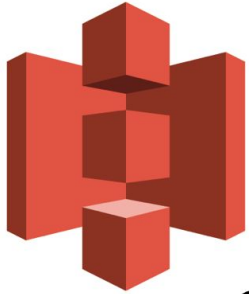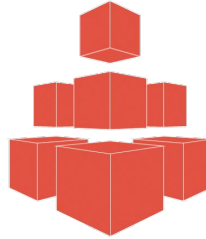
- Storage


Amazon S3


**Amazon EFS**

# Service overview

- Storage
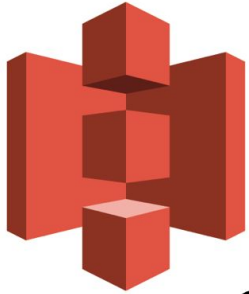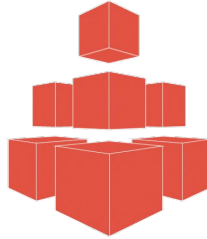


Amazon S3

**Amazon EFS**

**Snowmobile**

# Service overview

- Database



AMAZON RDS

# Service overview

- Database



AMAZON RDS

# Service overview

- Database

AMAZON RDS

amazon
DynamoDB

ElastiCache

# Service overview

- Database

AMAZON RDS

amazon
DynamoDB

ElastiCache

aws Amazon Neptune
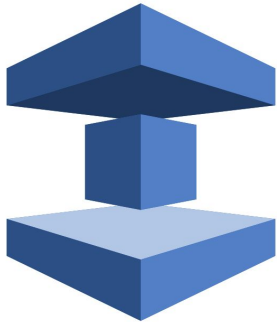
# Service overview

- Migration

AWS Database Migration
Service

# Service overview

- Networking & Content Delivery

# Service overview

- Networking & Content Delivery

# Service overview

- Machine Learning

# Service overview

- Machine Learning



Amazon SageMaker



Amazon Lex

# Service overview

- Machine Learning


Amazon SageMaker


Amazon Lex
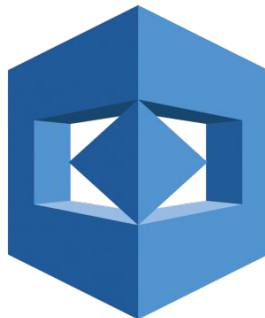

Amazon Rekognition

# Service overview

- Analytics
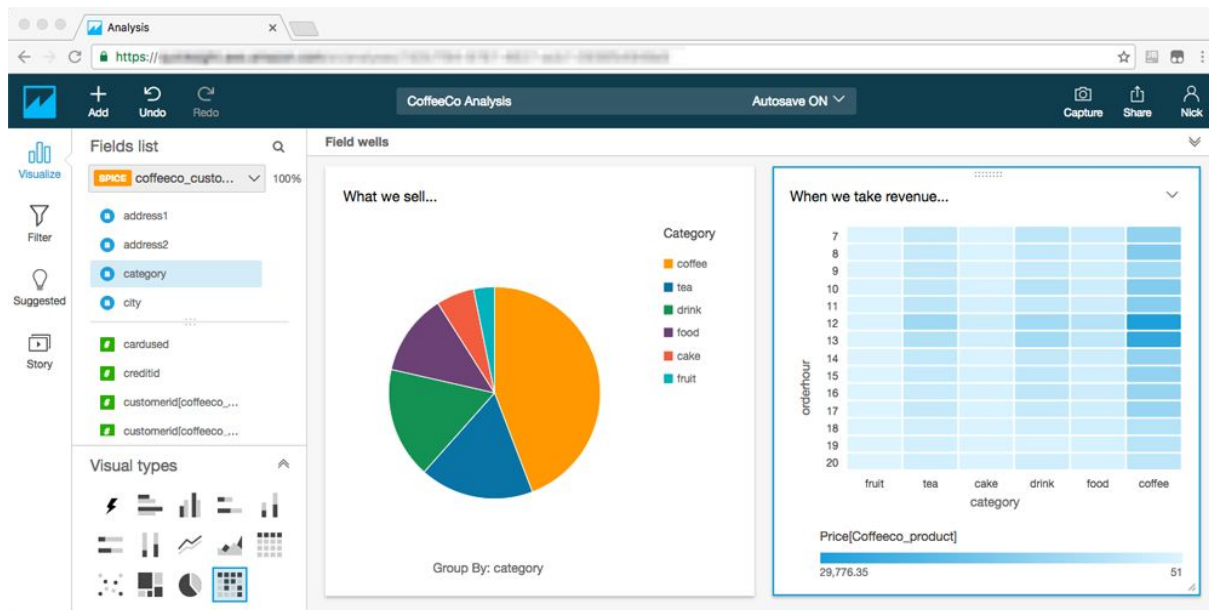
# Service overview

● Security, Identity & Compliance



AWS IAM

# Service overview

- AWS Cost Management

# Service overview

- Developer Tools

- Management Tools

- Media Services

- Mobile Services

- Internet of Things

- Software

# Plan

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# How much it costs ?

**Compute**

Pay as you go !

Source : https://aws.amazon.com/pricing/?nc2=h_ql_pr

# How much it costs ?

**Storage**

Pay per GB

Source : https://aws.amazon.com/pricing/?nc2=h_ql_pr
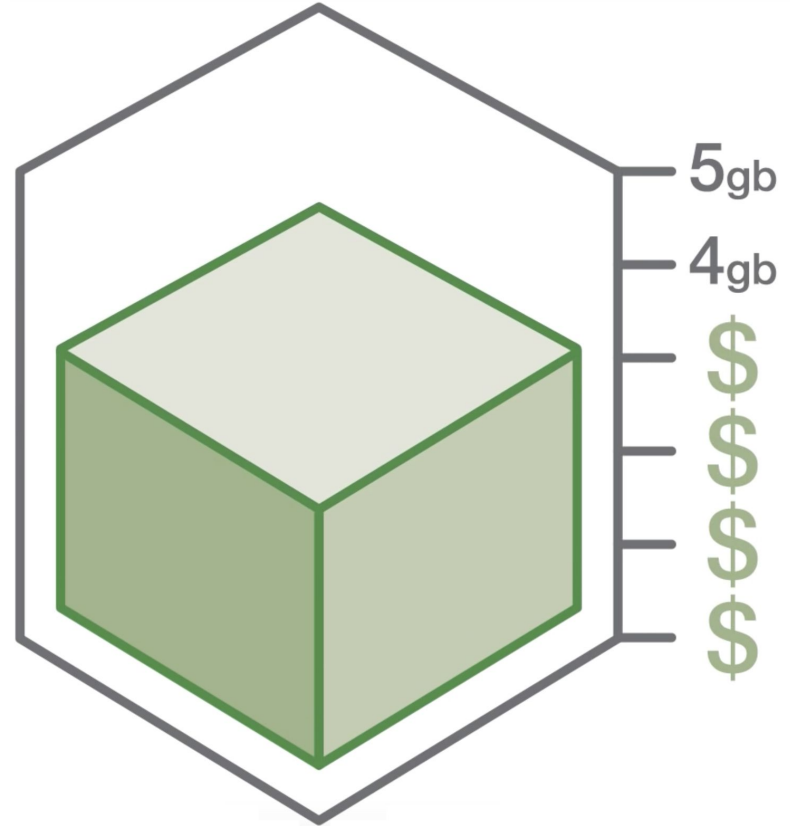
# How much it costs ?

**Data transfer**

Pay per GB for data out

No charges for incoming data

Source : https://aws.amazon.com/pricing/?nc2=h_ql_pr

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# How big it is ?



44
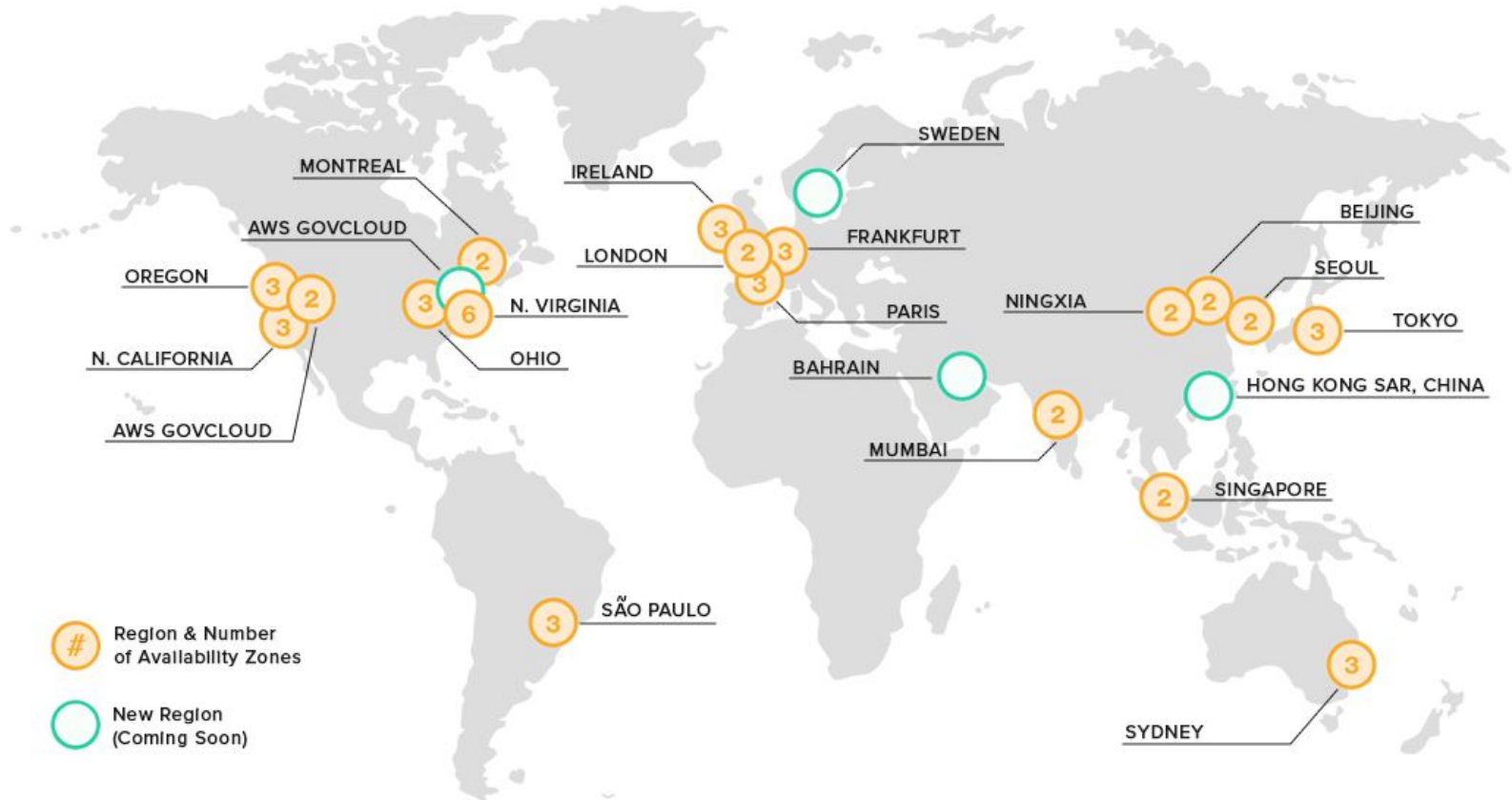
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   - **S3**
   - **EC2**
   - **IAM**
   - **EMR**

# Main services - AWS Management Console

# Main services - S3

S3 buckets

🔍 Search for buckets                                                                                    All access types ⌄

➕ **Create bucket**   Edit public access settings   Empty   Delete                                    0 Buckets   0 Regions   ⟳

You do not have any buckets. Here is how to get started with Amazon S3.

### Create a new bucket
Buckets are globally unique containers for everything that you store in Amazon S3.

Learn more

### Upload your data
After you create a bucket, you can upload your objects (for example, your photo or video files).

Learn more

### Set up your permissions
By default, the permissions on an object are private, but you can set up access control policies to grant permissions to others.

Learn more

Get started

# Main services - S3

# Main services - S3

# Main services - S3

# Main services - EC2 - Key Pairs

# Main services - EC2 - Key Pairs

# Main services - EC2 - Key Pairs



Clé privée téléchargée automatiquement

# Main services - IAM - Security Groups

# Main services - IAM - Security Groups

# Main services - IAM - Users

# Main services - IAM - Users

# Main services - IAM - Users

# Main services - EMR - Cluster creation

# Main services - EMR - Cluster creation

# Main services - EMR - Cluster creation

# Main services - EMR - Inbound rules