



amazon
web services™



Code
d'Armor

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- 8 ans chez Orange Labs
- Cloud Computing
- iPhone
- Créateur de l'association Code d'Armor
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Antoine Cabot



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- Président de l'association Code d'Armor
- Fondateur de la société Haploid
- 5 ans chez Orange Labs

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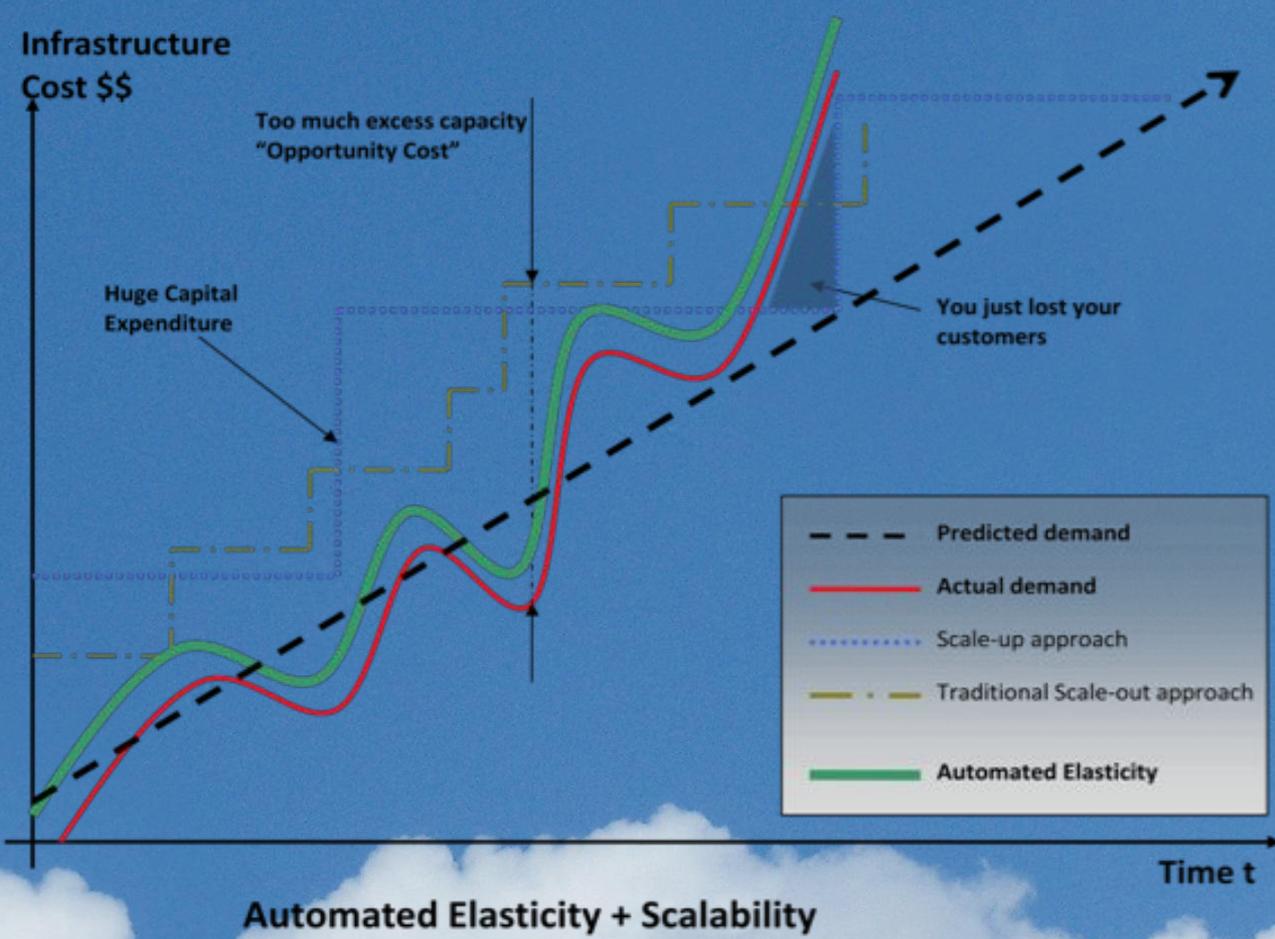
Sommaire

- C'est quoi le cloud ?
- AWS dans tout ça
- Les services AWS
- Questions / Réponses

**C'est quoi le
cloud ?**

« As of now, computer networks are still in their infancy but as they grow up and become more sophisticated, we will probably see the spread of computer utilities, which, like present electric and telephone utilities, will service individual homes and offices across the country. »

Leonard Kleinrock, UCLA Press Release **3 July 1969**





What

Who

On-demand access to any application

End-user (consume)



Platform upon which apps/services can be developed and hosted

Developer (build)



Access to computational resources, i.e. CPU, RAM, Data & Storage

Hosts provider (host)





Single Tenant



Muti - Tenant



Pooled
Resources



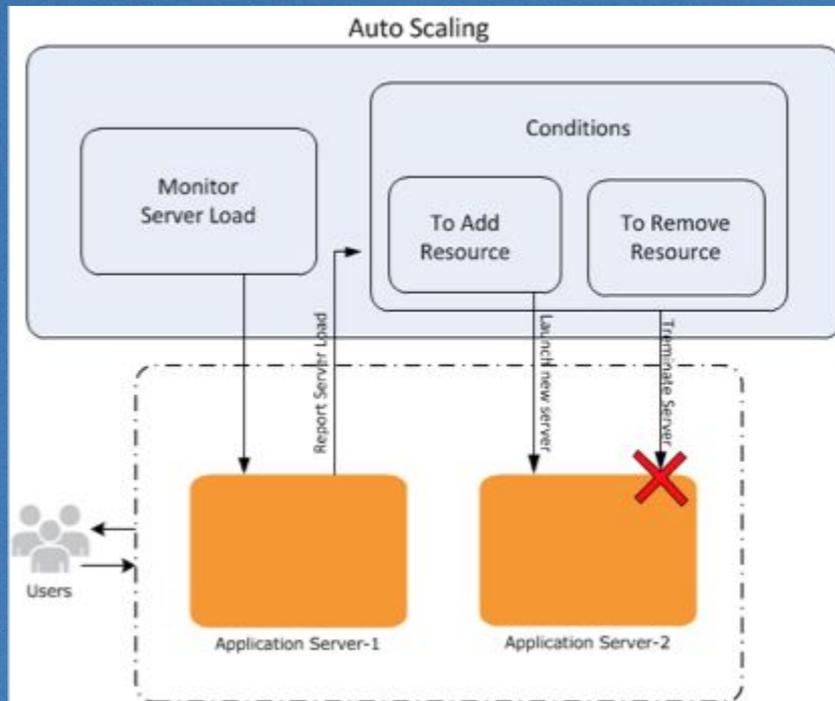
Self-Service



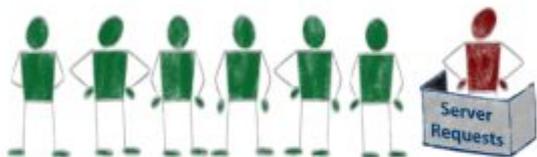
Elastic



Usage-based



Old World: Infrastructure in **Weeks**



AWS: Infrastructure in **Minutes**



- Add New Dev Environment
- Add New Prod Environment
- Add New Environment in Japan
- Add 1,000 Servers
- Remove 1,000 servers
- Deploy 2 PB Data warehouse
- Shut down 2 PB Data warehouse

AWS dans tout

ça ?

Un peu d'histoire

1995 - 1er site marchand majeur "amazon.com"

2002 - 1ere API pour gérer la plateforme AWS

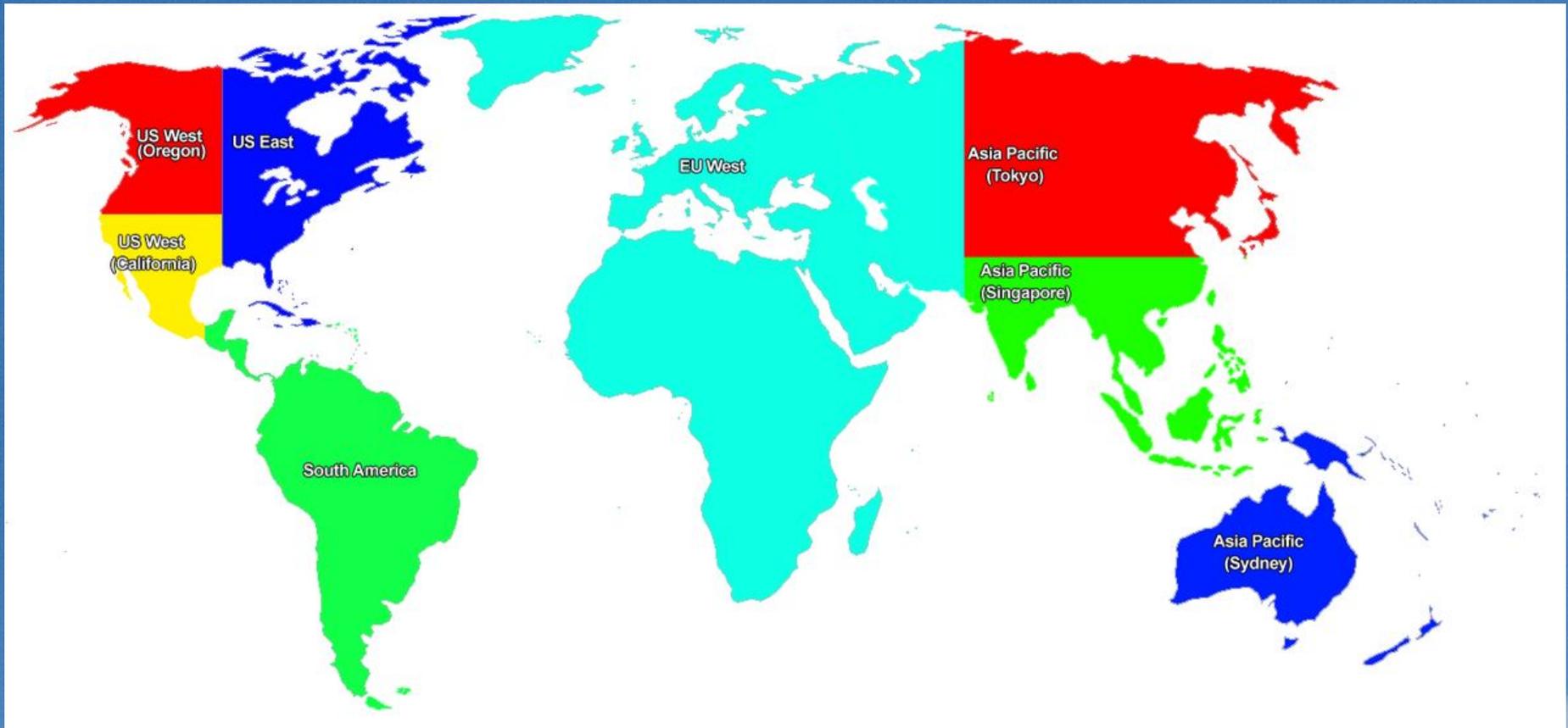
2004 - sous l'impulsion de Werner Vogel, AWS devient une plateforme cloud

2006 - S3

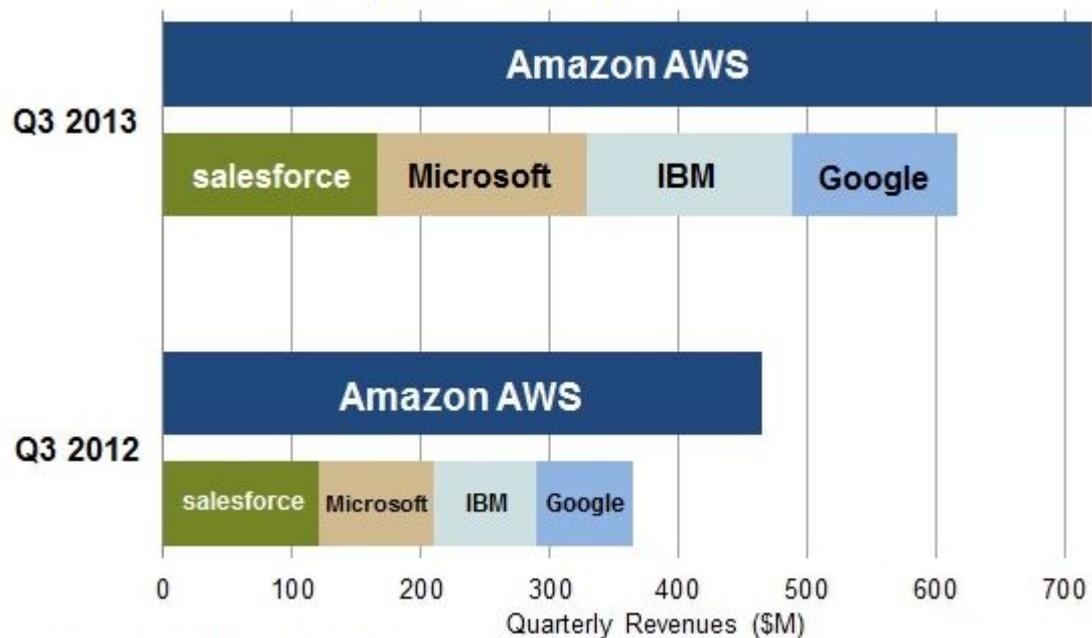
2007 - EC2

2009 - SimpleDB, ELB, RDS

...



IaaS/PaaS Revenue Growth



Source: Synergy Research Group



Instagram

NETFLIX

Spotify™

Pinterest



WhatsApp

Les Services

The image features a solid blue background with a layer of white, fluffy clouds at the bottom. The text 'Les Services' is centered in the upper half of the image.

Amazon Web Services



EC2

La base de l'offre IAAS.
Instances à la demande



S3

Stockage en ligne



RDS

Database as a service.
MySQL et Oracle



Beanstalk

Le PAAS d'Amazon.
Dispo pour : PHP, J2E,
Python, Ruby, dot NET,
NodeJs

Google



Compute Engine

Offre IAAS de Google.
Instances à la demande



Cloud Storage

Stockage en ligne



Cloud SQL

Database as a service.



Google App Engine

Le PAAS de Google.
Dispo pour : PHP, J2E,
Python, Go

BeansTalk

Git Push to deploy

Autoscaling

Gestion de version

PAAS avec accès à l'image

Java

IIS

Node.js

Python

Ruby

PHP

RDS

Gestion des sauvegarde
Monitoring

mySql
Oracle

ElastiCache

Cache mémoire
Gestion d'un cluster

memcached
redis

S3

Stockage de fichier
Accécible sur le web

Création de site static

Gestion de CDN via CloudFront
Glacier pour les sauvegardes

SNS

Push Android

Push iOS

Push Web

Push SMS

Push email

Push sur SQS