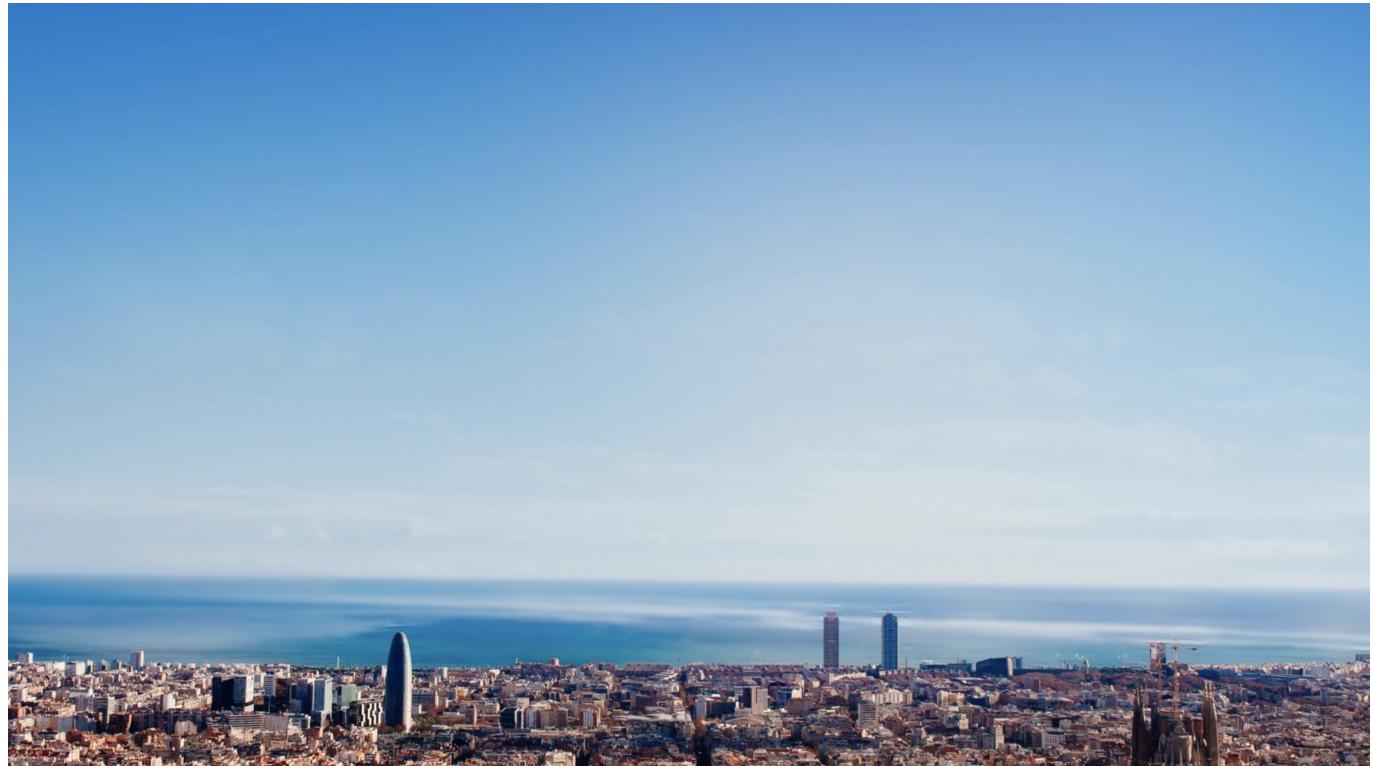


Cloud and DevOps

by Eduard Bargués



Hi!👋

Principal Engineer at [Ohpen.com](#).

Volunteer at [Migracode](#).

Professor at [BTS](#).

Find me in [LinkedIn](#).



What about you?

- What is your story?
- Expectations from C&D?



Claudia
Ionescu



Susana
Leiva



Ana
Jishkariani



Dania
Gómez



Vedrana
Kulic



Ranin
Jojas



Abigail
O'Donoghue



Georgina
Fornés



Ghandi
Makarem



Anastasia
Chelpanova



Alessandra
Pacheco



Alessio
Cadeo



Juan Pablo
Aylwin



Erick
Henriquez



Roque
Sáenz



Juliana
Cardona



Deanna
Hassan

What are we doing here?

C&D in the context of *Digital Product Management*.



You will (not) learn

- What the ☁ is (for).
- Defend your ground against 'techies'.
- How to be a software/cloud developer.

Cuando sepas lo que cuesta, sabrás lo que vale Jose Antonio Gili Ripoll, professor at UPC

Not that many classes 😢

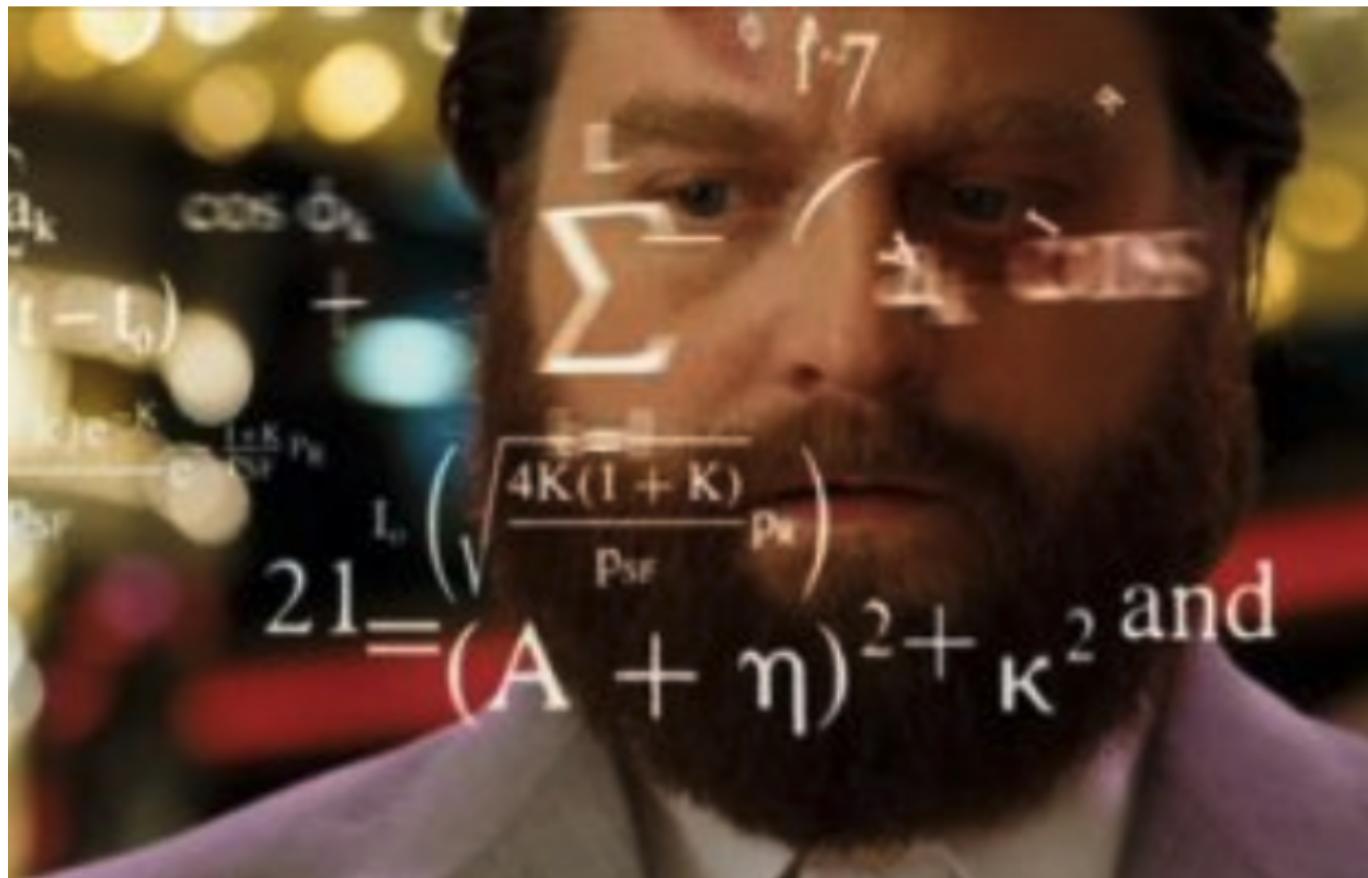
1. Introduction
 2. Classic vs Containers vs Serverless
 3. Security in the cloud
 4. Cost management
 5. Introduction to Devops: CICD
 6. Advanced Devops
 7. Presentations & Guest
-

Evaluation

project 80%

content 60% + presentation 20%

class engagement 20%



How I reason about things

- **Why?**: Situation at hand.
- **What for?**: Goal.
- **What?**: Thing to do.
- **How?**: Implementation.



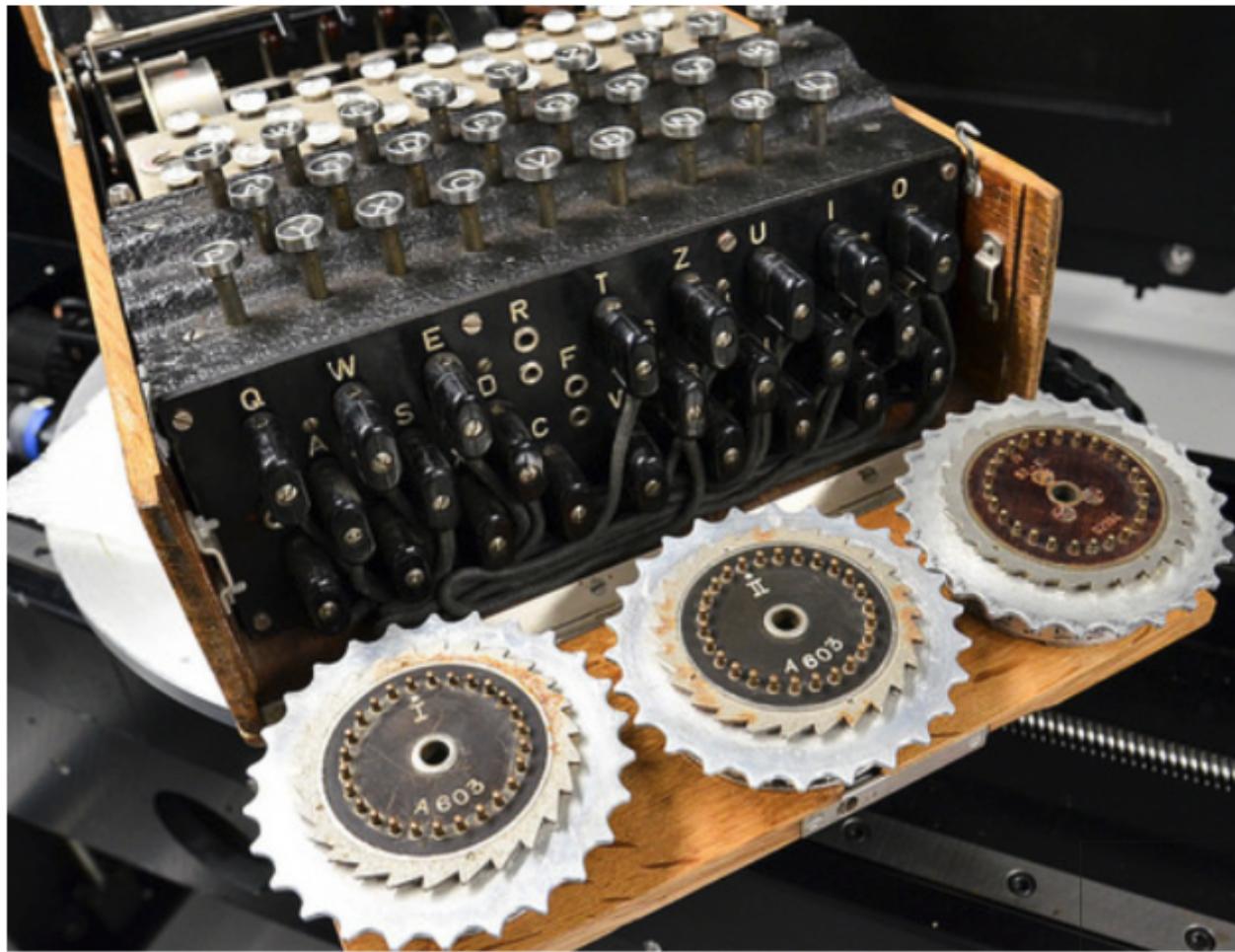
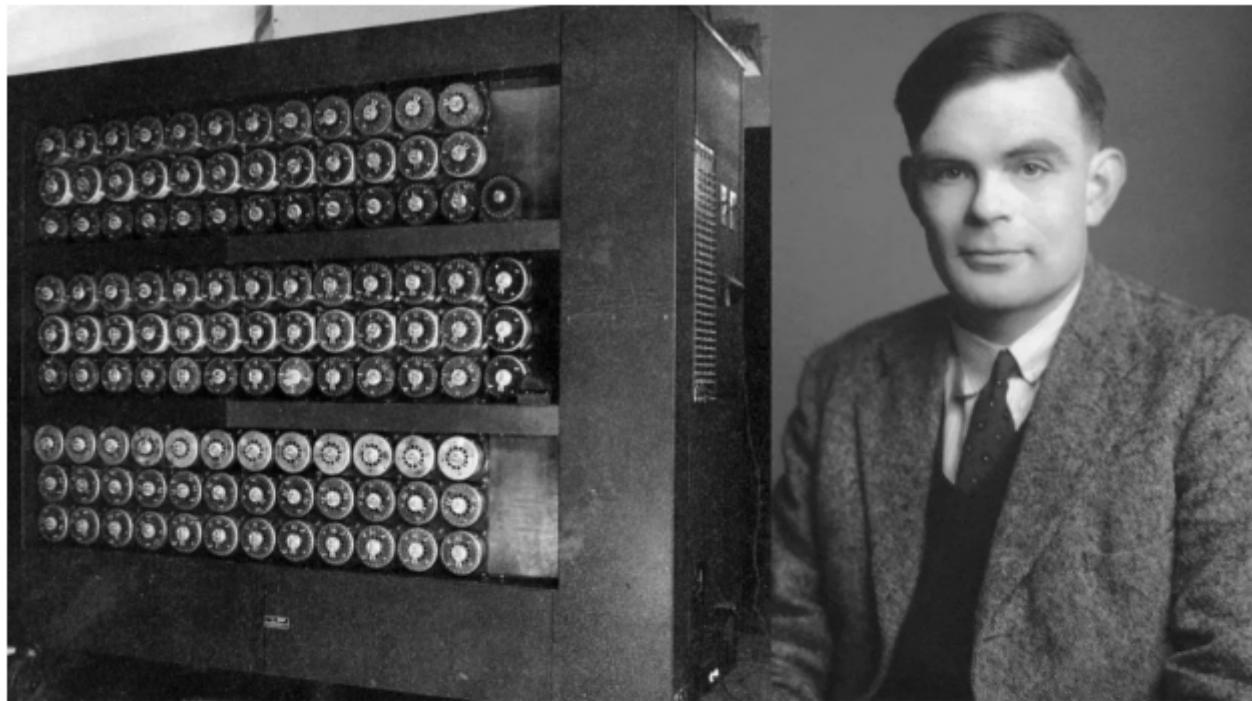
Information Technology

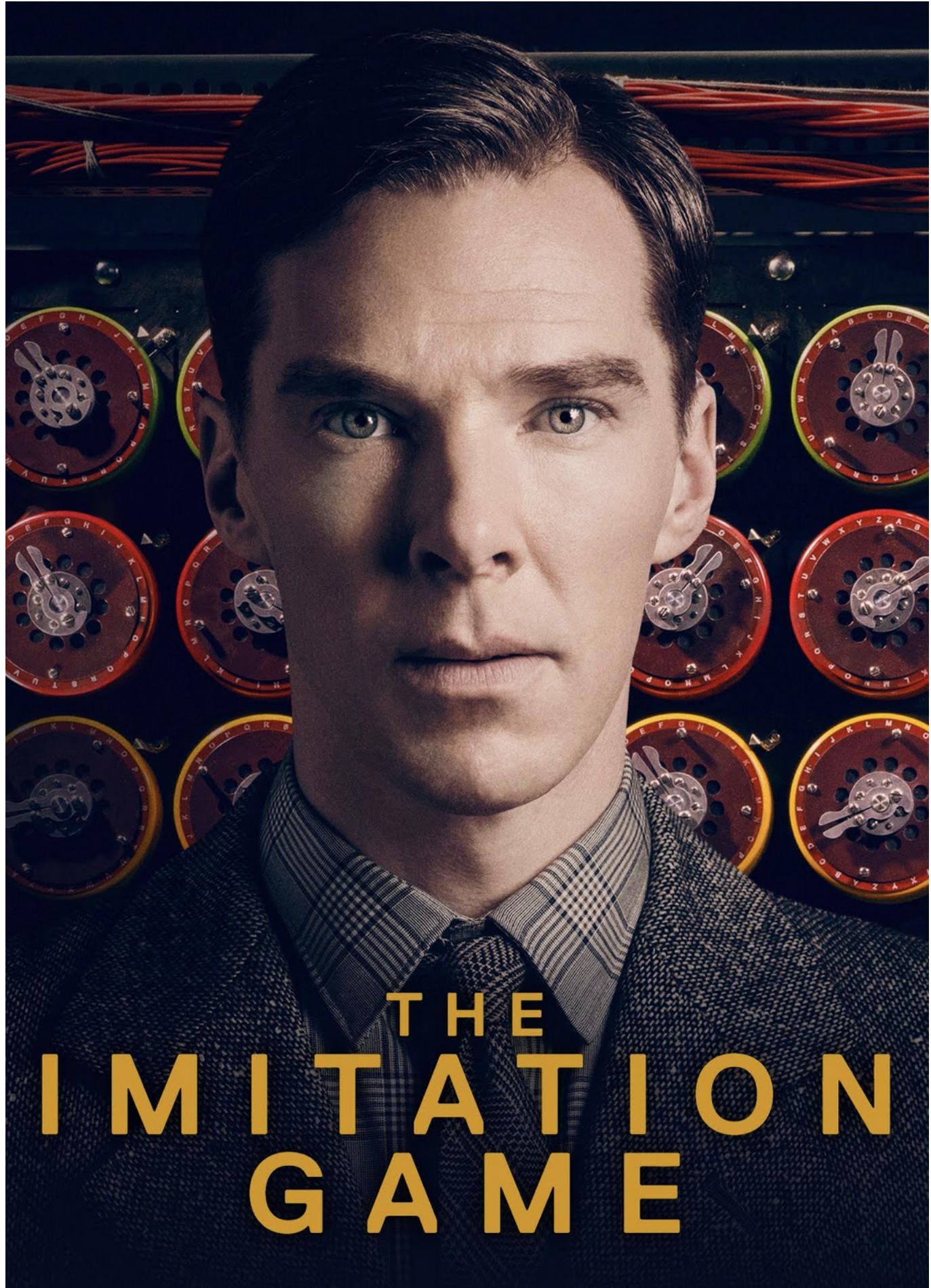
A brief (hands on) story



The first computer

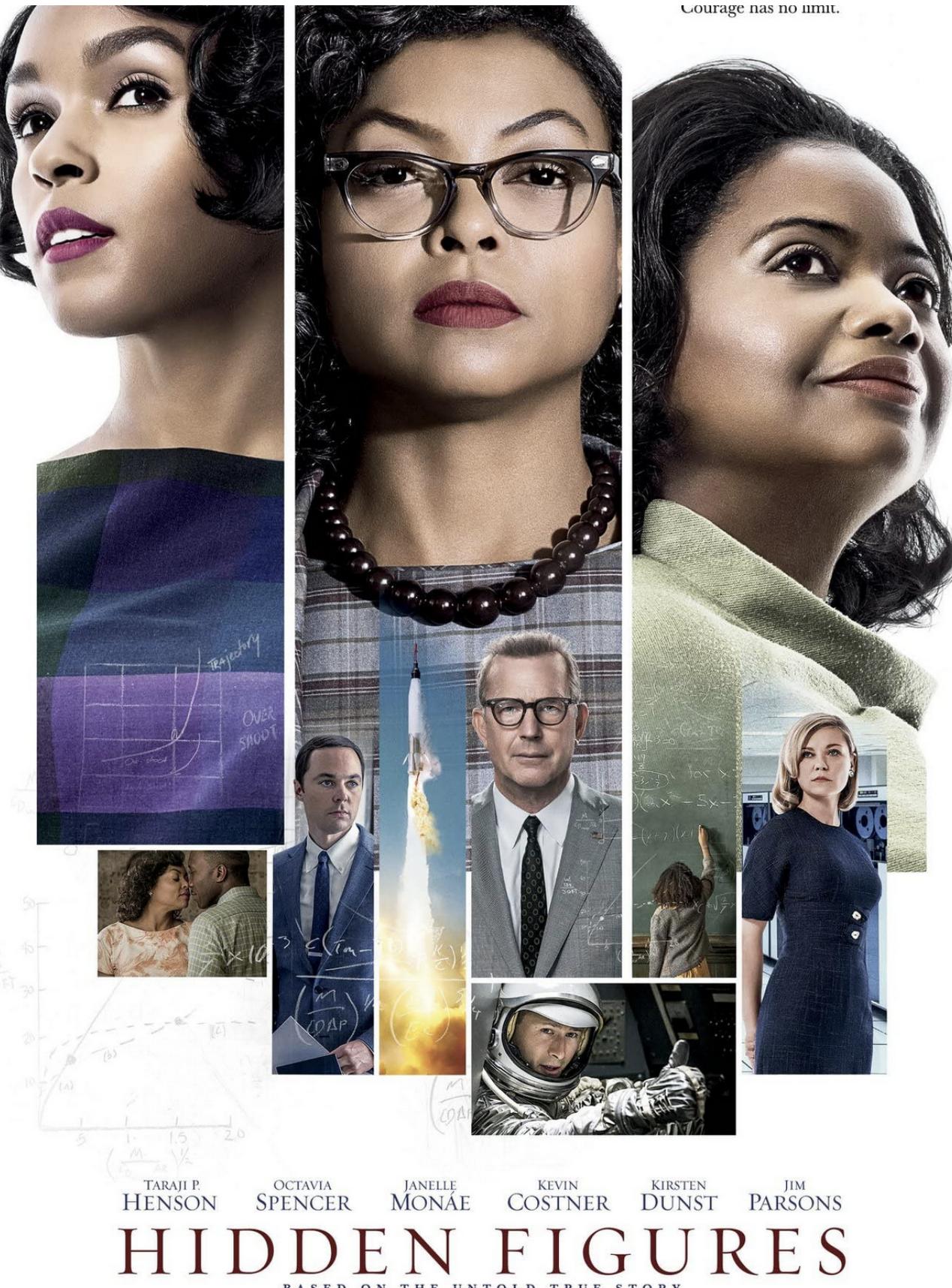
Why did Alan Turing invent it?





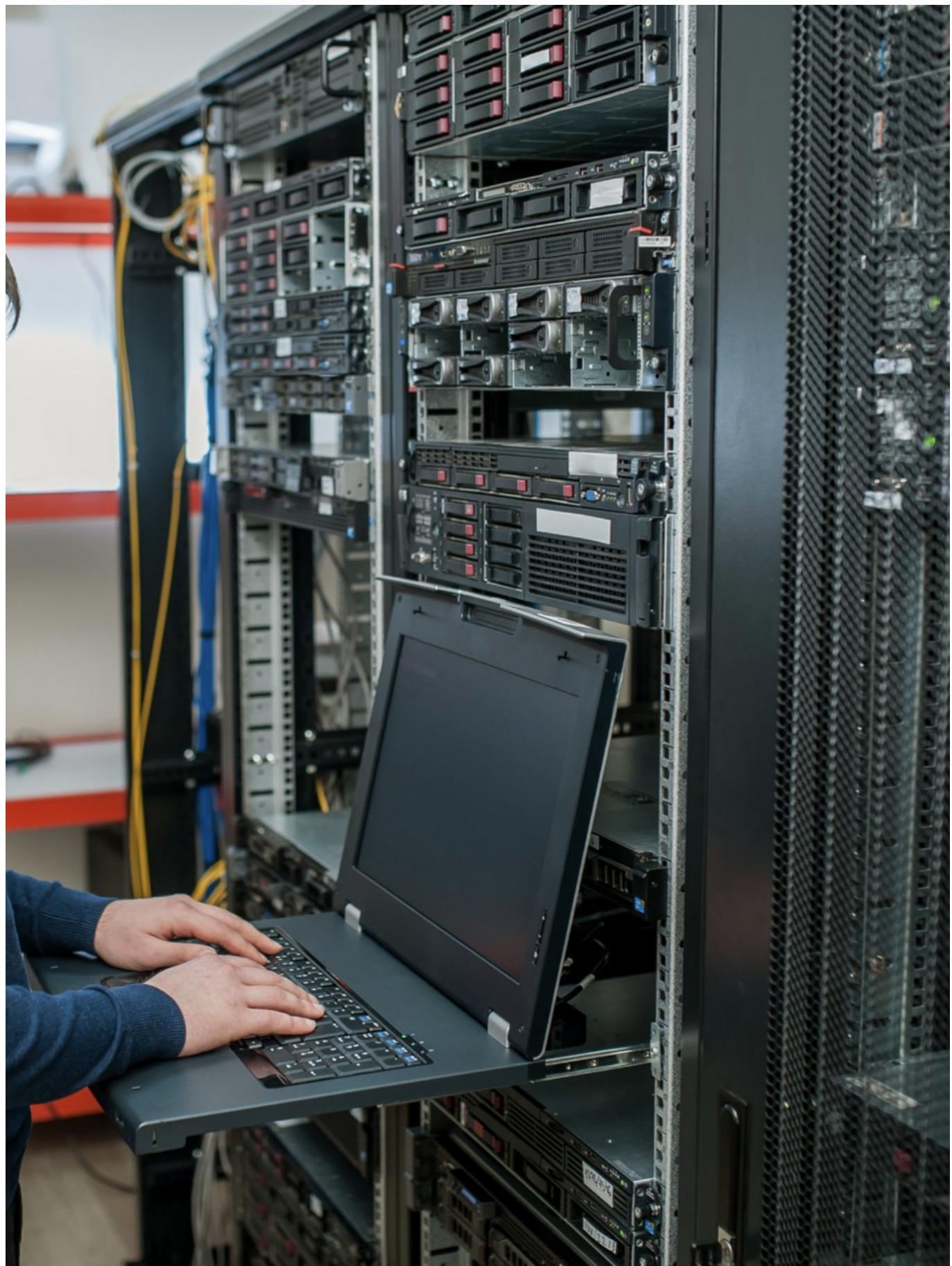
Genius has no race. Strength has no gender.

© 2014 Twentieth Century Fox Film Corporation. All Rights Reserved.

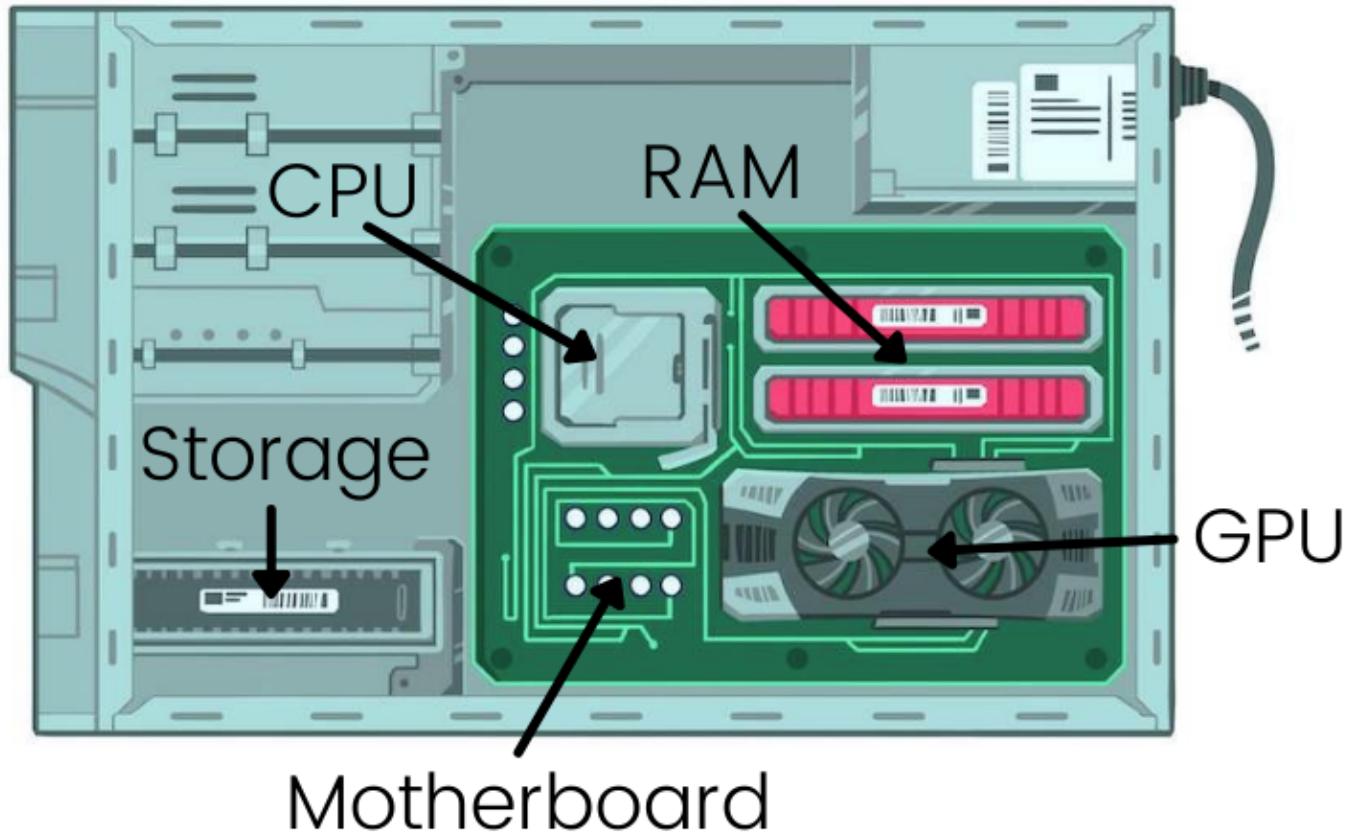


On-premise world

Bussiness used to run their own servers.



Inside a computer



Virtualization

Why do we need it?

Shared resources, install what you need and ready to go 💪 !



Docker

Why do we need [docker](#)? How does it [work](#)?



The dawn of ☁

Why do we need the ☁ ?

How AWS was born with it's first service.



⚠ Use it with caution

With great power, comes [great responsibility](#).

Companies look to [reduce costs](#) or even [leave the Cloud](#) because of [high spending](#).



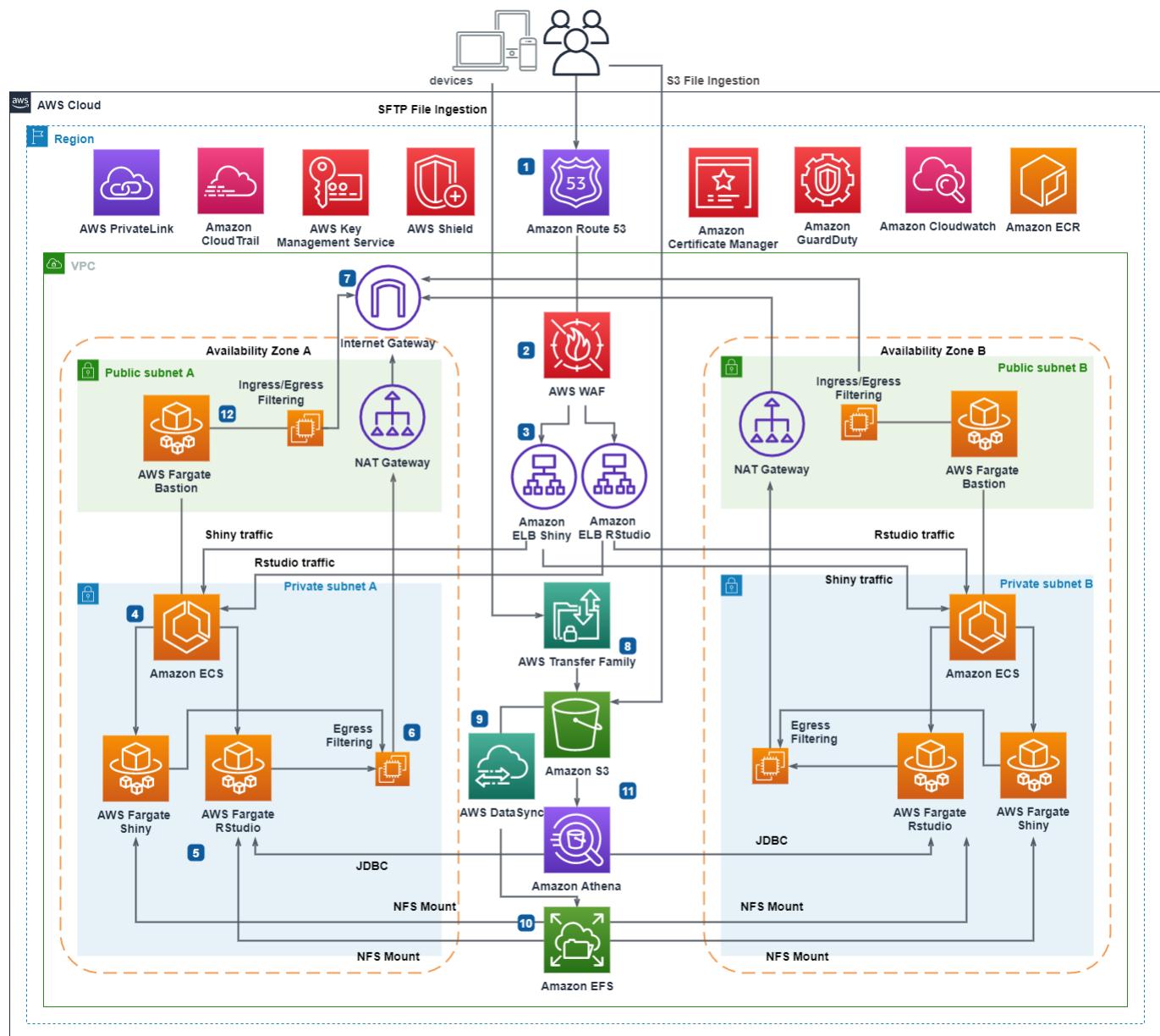
Create an AWS account

- [Sign In/Up AWS](#)
 - Enable [Multi Factor Authentication](#)
 - Explore [free products in AWS](#)
-

AWS console

- **Compute:**Lambda, ECS, EC2.
- **Storage:**S3.
- **Database:**RDS, DynamoDB.

- **Networking:** API Gateway, VPC.
 - **Management:** CloudWatch, IAM.



Types of

Infrastructure vs Platform vs Software (aaS: as a Service)



200+ services!

- Instant access.
- Complete flexibility.
- ~~virtually~~ Infinite scalability.

You put the limits



Our first api in AWS

With [Apigateway](#)



But, wait! 😬

How do urls [work](#)?



Is this flexible?

With [Lambda](#) it is.



See? that wasn't that bad 😊

