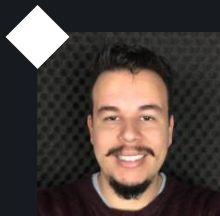




Building and running a Go microservice with Elasticsearch on Kubernetes



Who is this guy?



Geraldo Andrade

Backend Engineer and
Humanitec Platform Advocate

I believe we should be the
first case of success using our
**Internal Developer
Platform.**

Agenda



- 1 - What?**
- 2 - About Go**
- 3 - About Elasticsearch**
- 4 - About Kubernetes**
- 5 - Implementation time**
- 6 - Questions**

What?

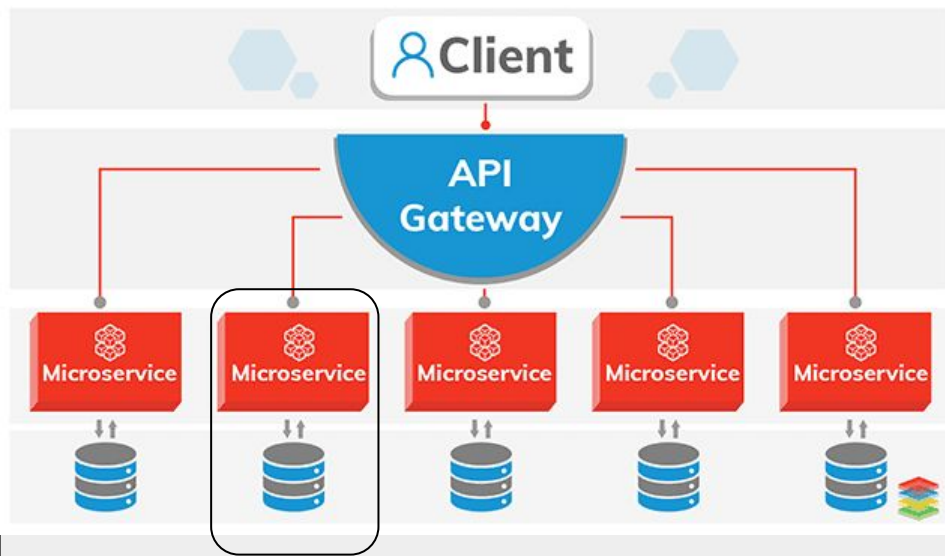
Click counter microservice



How micro is this service?

Ideally one task

Few tasks in one domain



Click counter microservice

How it works?

Request GET

Response 302

Client

Server

GET / HTTP/1.1

HTTP/1.1 302 Found
Location: /apps

GET /apps HTTP/1.1

HTTP/1.1 200 OK

About Go

Minimalist
Performance



About Elasticsearch

RESTful

High scalable

Full-text search

Analytics engine



elasticsearch

About Kubernetes

Open-source
State-of-the-art
Management of
Containerized
Applications



kubernetes



Implementation time

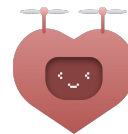
Code overview

Let's implement

Humanitec Platform

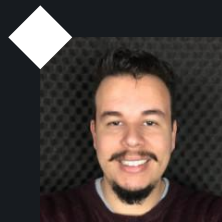


Questions?



 **humanitec**

www.humanitec.com



Geraldo Andrade

geraldو.andrade@humanitec.com



 **humanitec**

Your Internal Developer Platform

www.humanitec.com