

Microserviços

Do conceito ao código



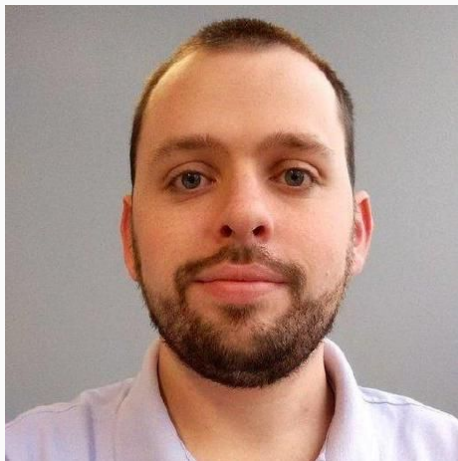
Apresentação

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Apresentação

Turma

Nome

Estuda/Trabalha

Onde

Programação

Aplicações Web

Monolito

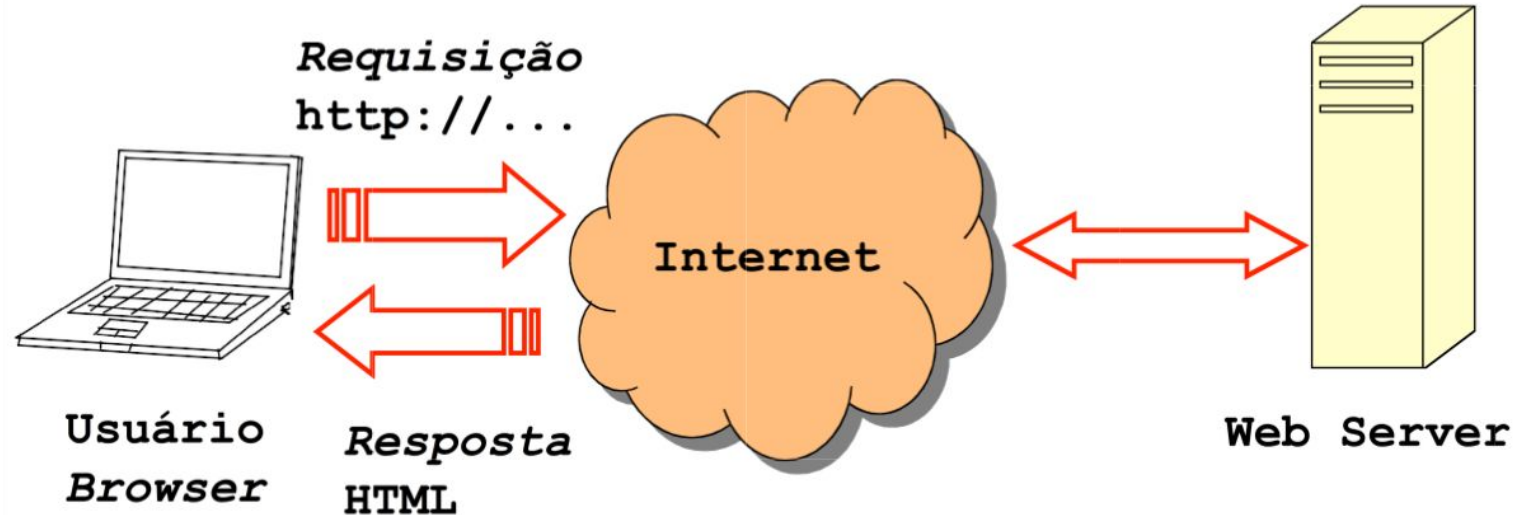
Microserviços

Java

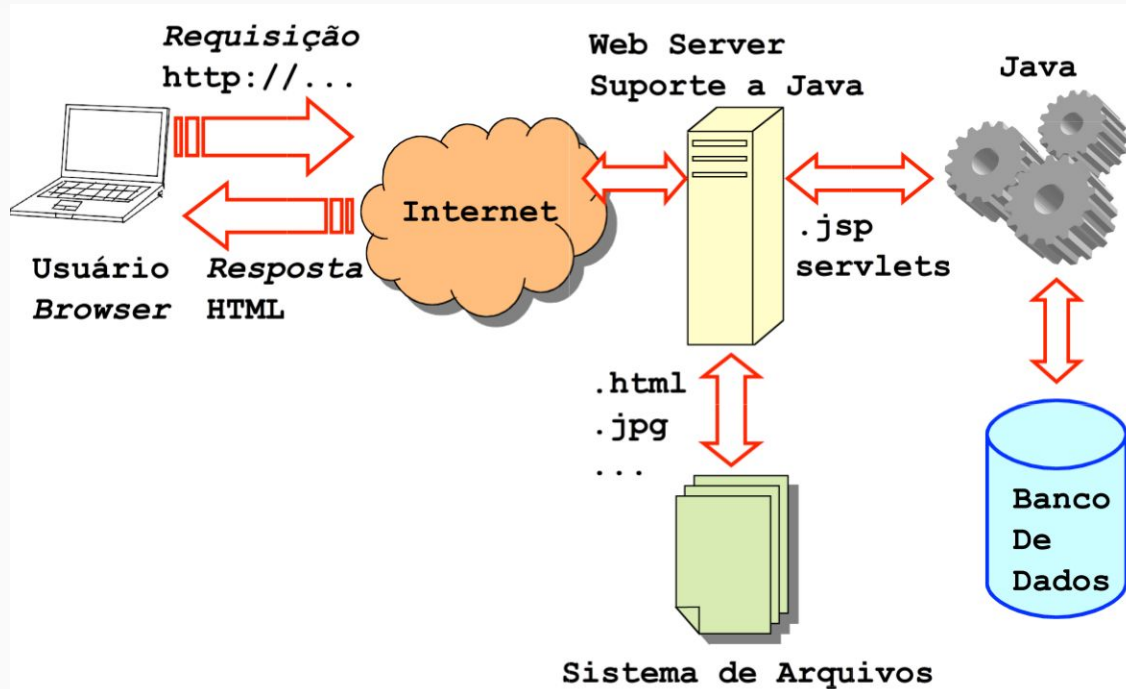
SpringBoot

Hands On

Aplicações Web



Aplicações Web



Monólito



Desenha uma frô

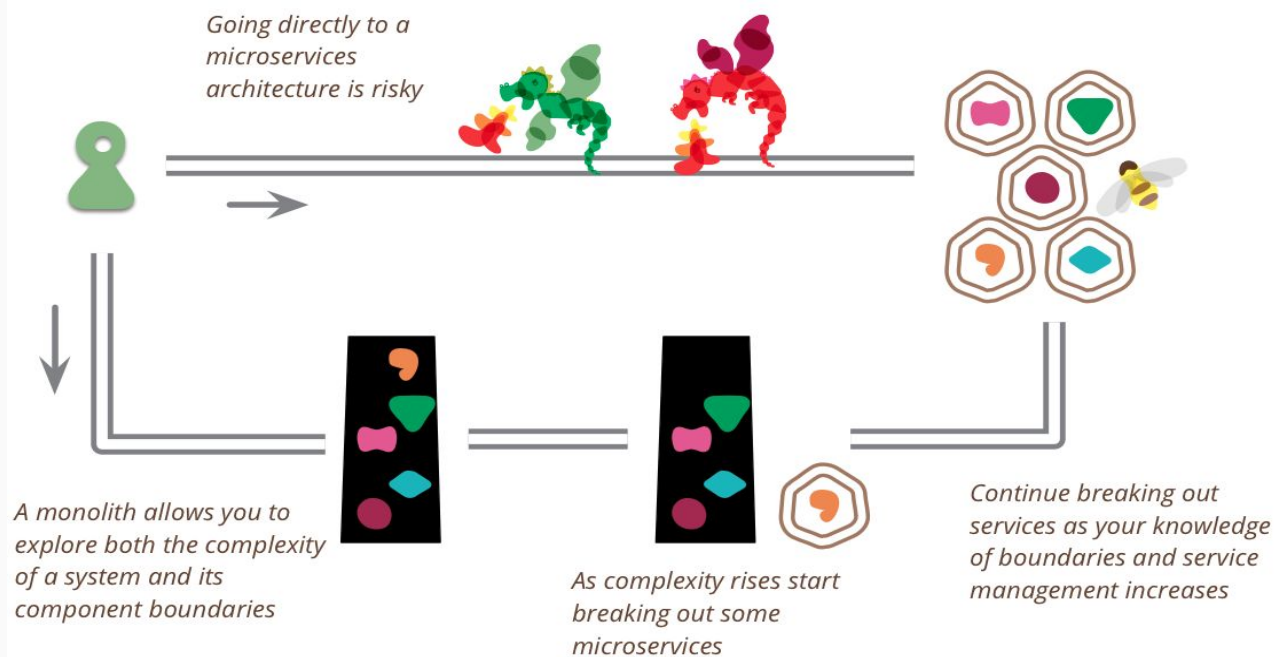




Problemas do Monólito

- Manutenção
- Alto custo de evolução
- Ownership
- Alto teor de efeitos colaterais

MonolithFirst

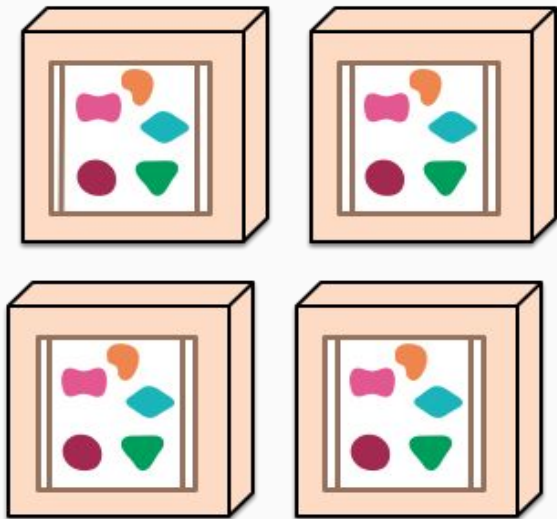


Microserviços

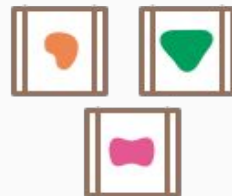
A monolithic application puts all its functionality into a single process...



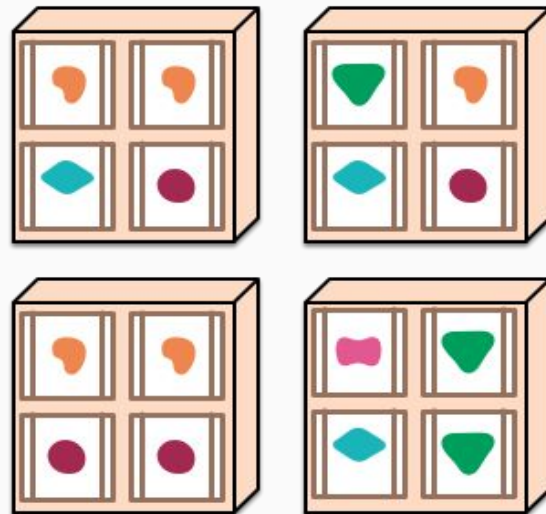
... and scales by replicating the monolith on multiple servers



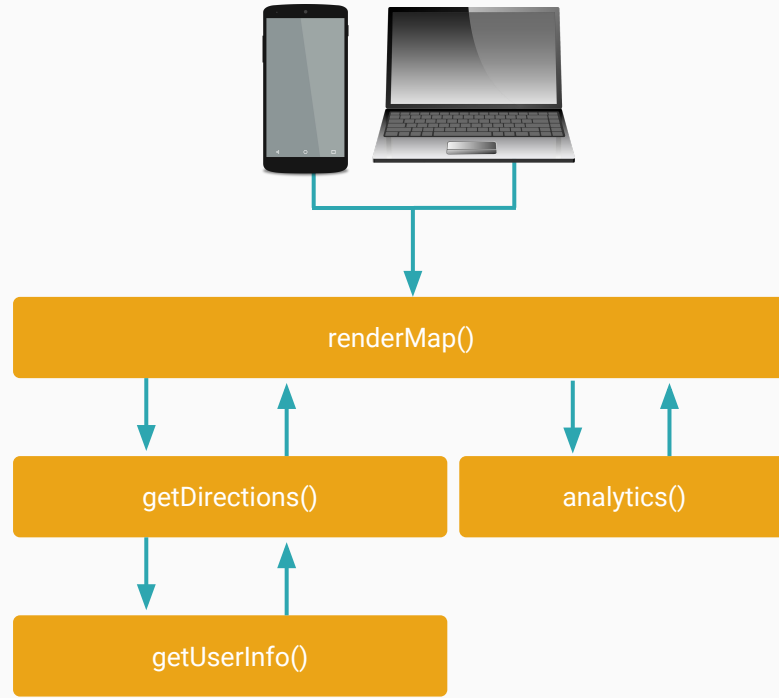
A microservices architecture puts each element of functionality into a separate service...



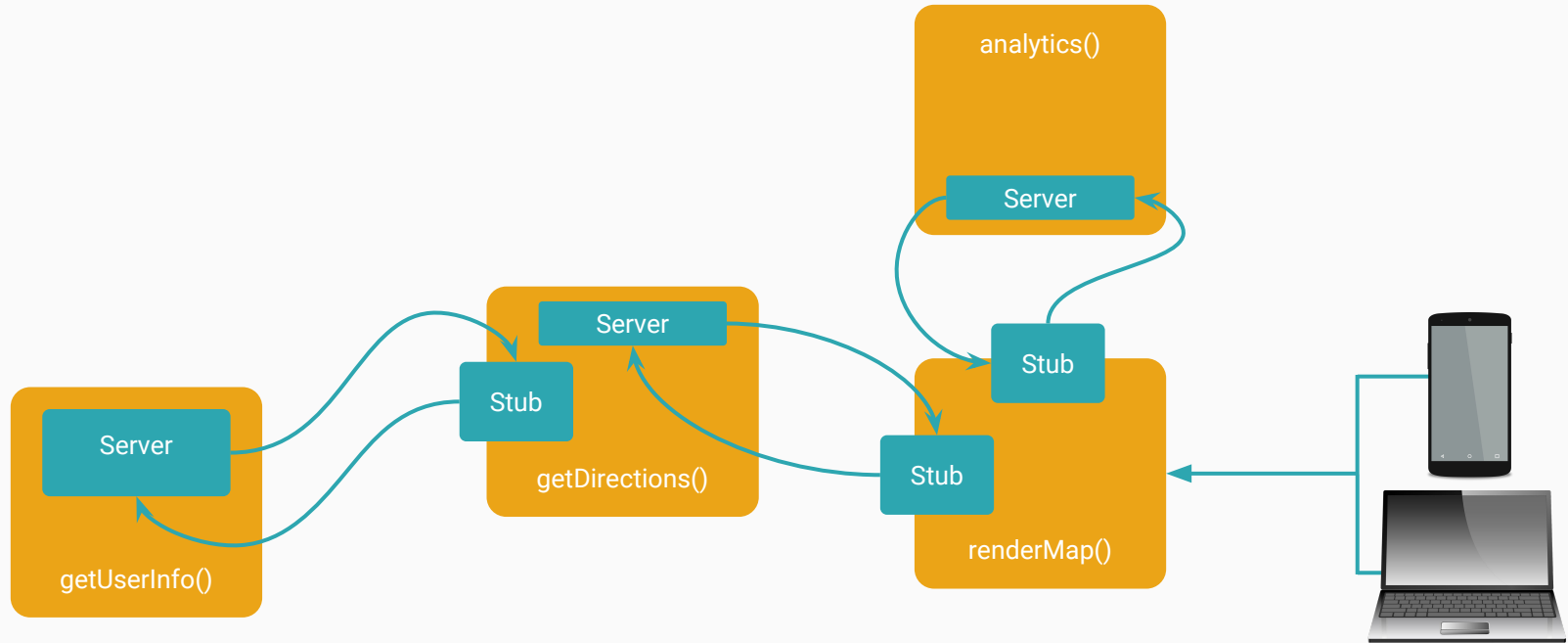
... and scales by distributing these services across servers, replicating as needed.



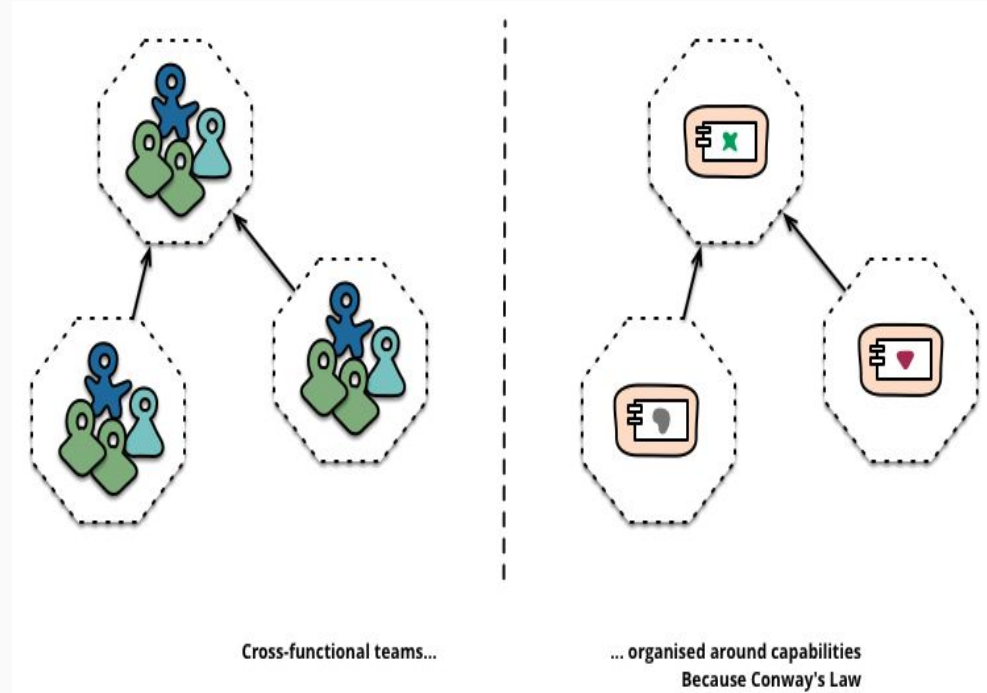
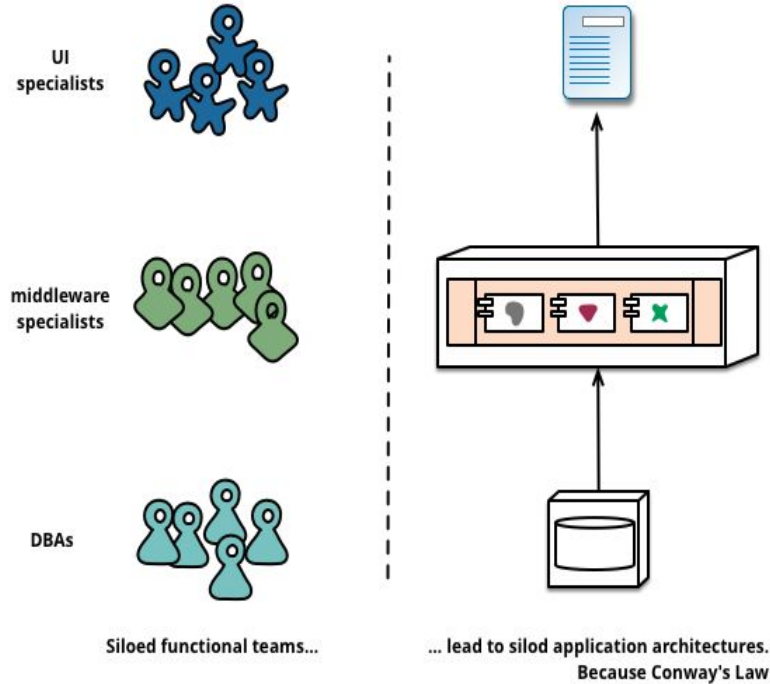
Microserviços



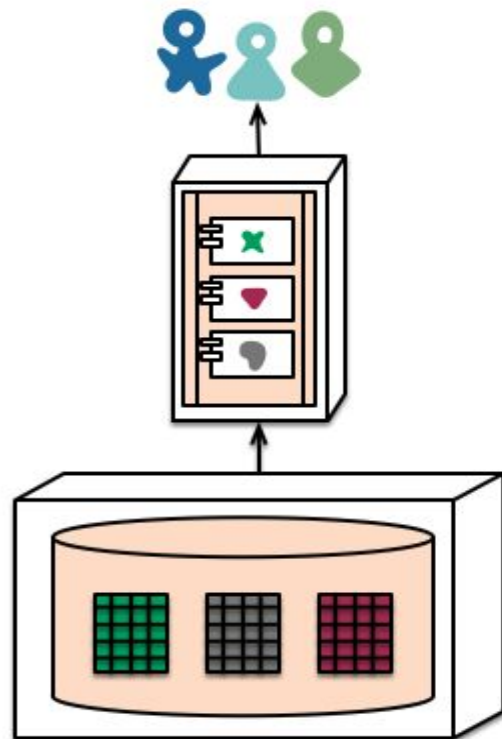
Microserviços



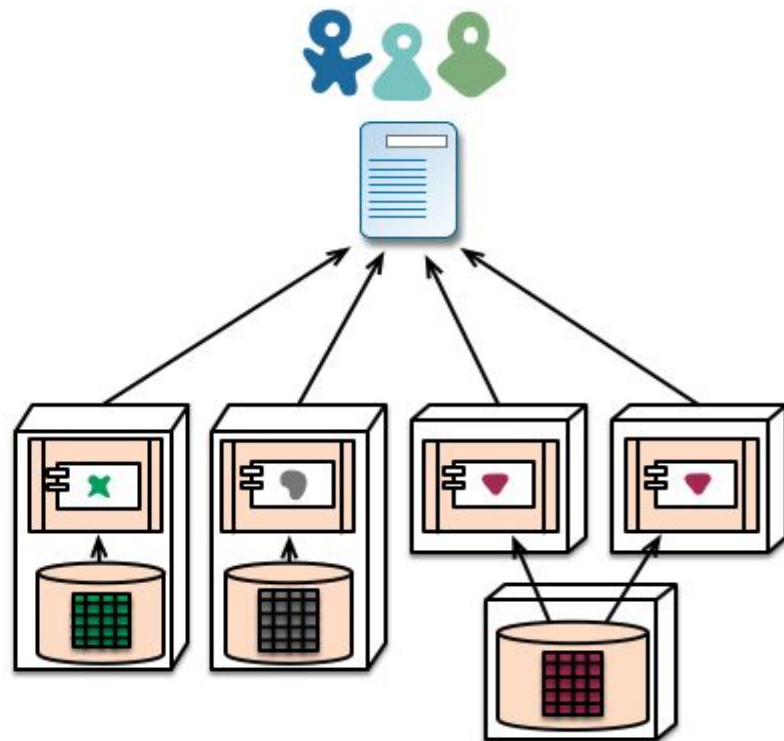
Equipes em Microserviços



Microserviços

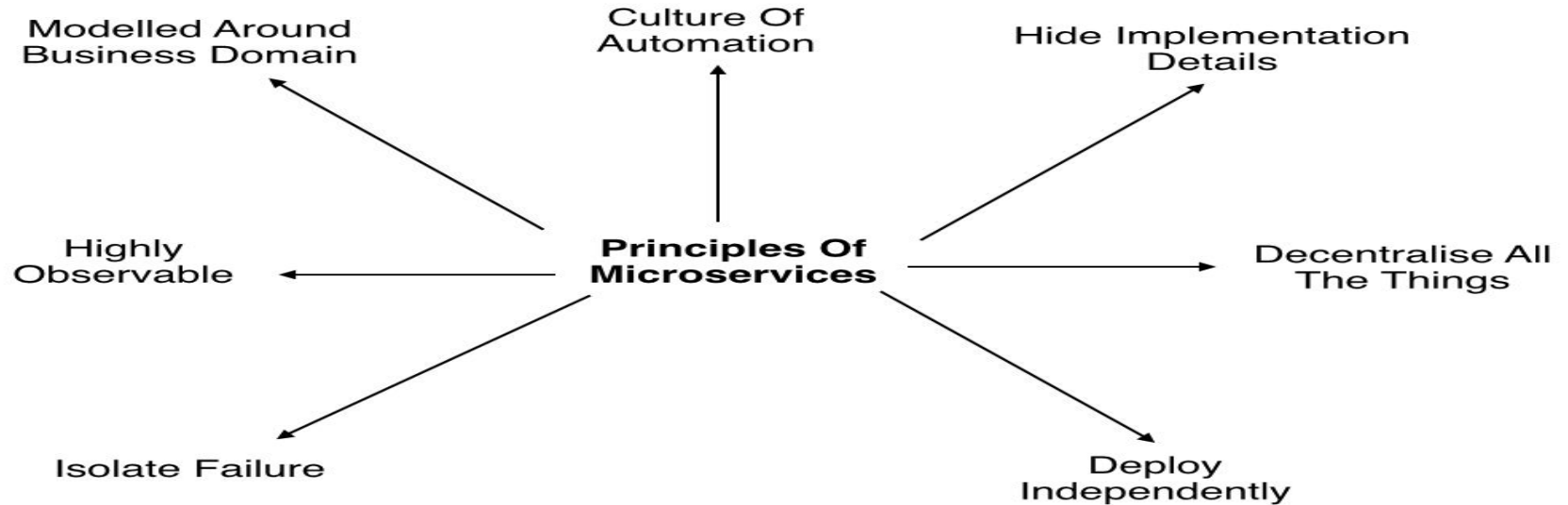


monolith - single database

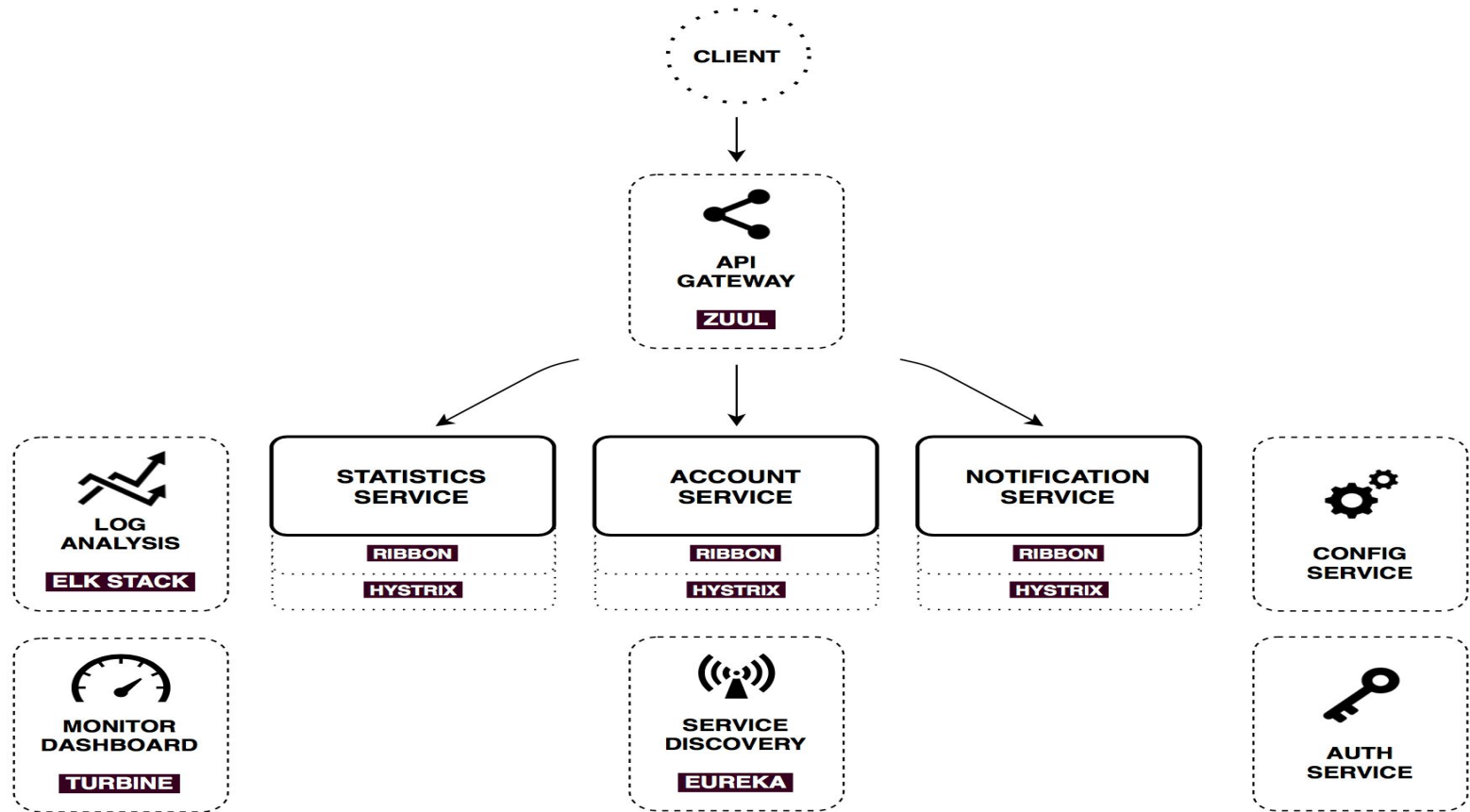


microservices - application databases

Princípios de Microserviços



Microserviços Stack



Quem Usa essa arquitetura



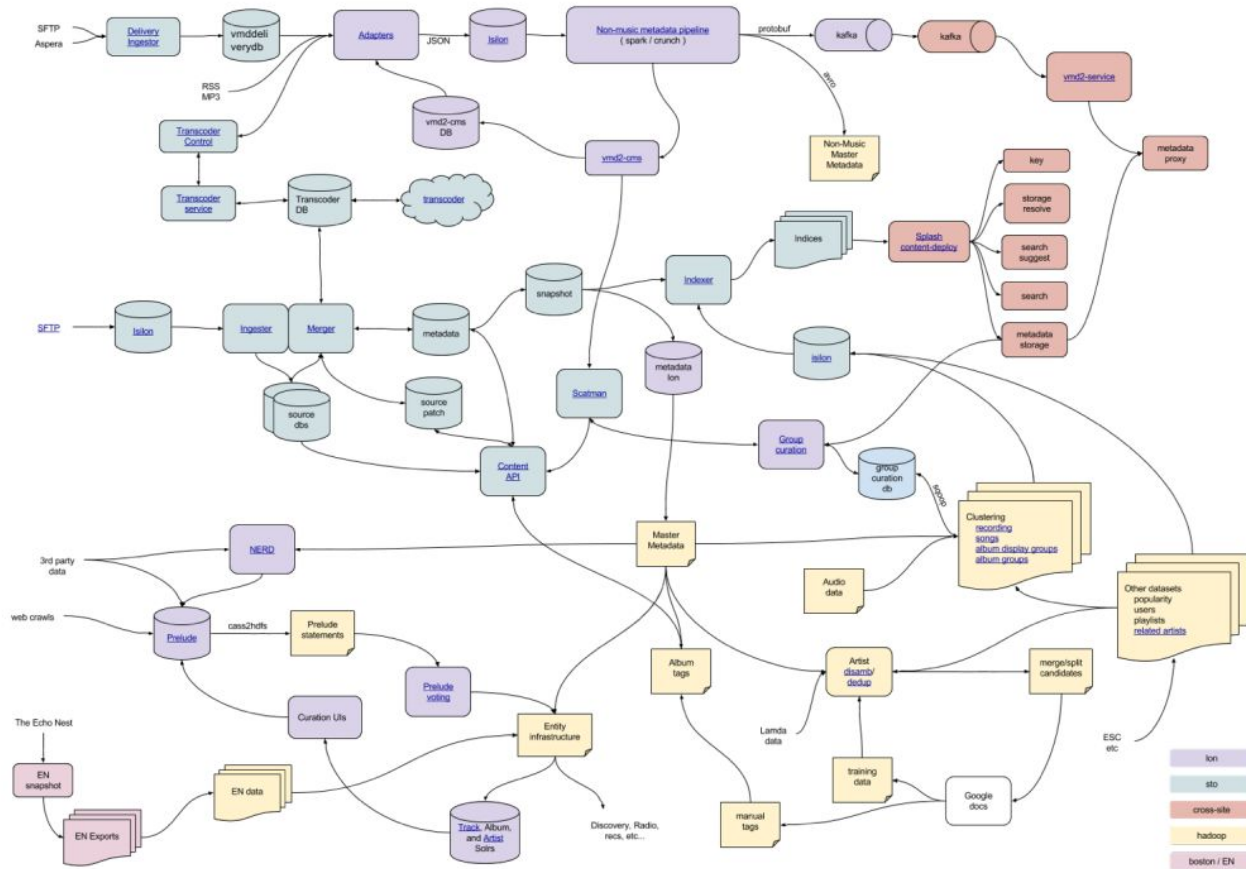
Google

NETFLIX

 ContaAzul

globo.com

Spotify



Buscar

Início

Suas músicas

TOCADAS RECENTEMENTE

Alcateia #02 by Ster...
PLAYLIST

Cafezinho
PLAYLIST

Volume Máximo
PLAYLIST

A Arte De Charlie Br...
ÁLBUM

DAMN.
ÁLBUM

Instalar aplicativo

Rafael Otero Rei

Alcateia #02 by Stereo

De alcateiasc

10 MÚSICAS

PAUSAR

DEIXAR DE SEGUIR ...

Conjure Dreams 7:21

Maceo Plex · Conjure Infinity

2. Meteora 7:02

Moonwalk · Teenage Mutants vs. Moonwalk

3. Gateway 7:47

Reinier Zonneveld · Megacity Servant

4. Apollo 8:38

Thomas Schumacher, Victor Ruiz · Apollo

5. Reste - Raxon Remix 8:05

Noir, Olivier Giacomotto, Raxon · Reste

6. Atlas - Adriatique Remix 6:17

Marc Romboy, Stephan Bodzin, Adriatique · Atlas (Remixes)

7. Uncompromising 5:44

Adana Twins · Four to the Floor 08

8. Ketamin - Original Mix 7:27

Patrick Hero · Ketamin

Futura 6:34

Undercatt · Futura EP

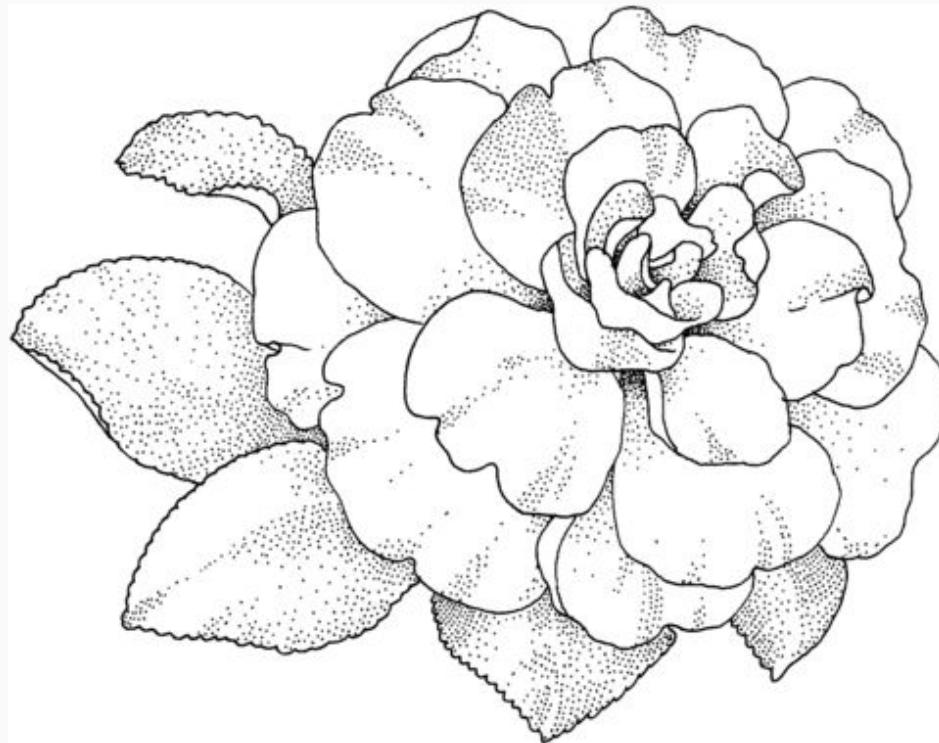
10. Organa - Patrice Baumel Remix 6:20

Max Cooper, Patrice Baumel · Organa (Patrice Baumel Remix)

Conjure Dreams
Maceo Plex

0:03 7:21

Desenha uma flor



Java

Sun Microsystems

James Gosling

Oracle



Java

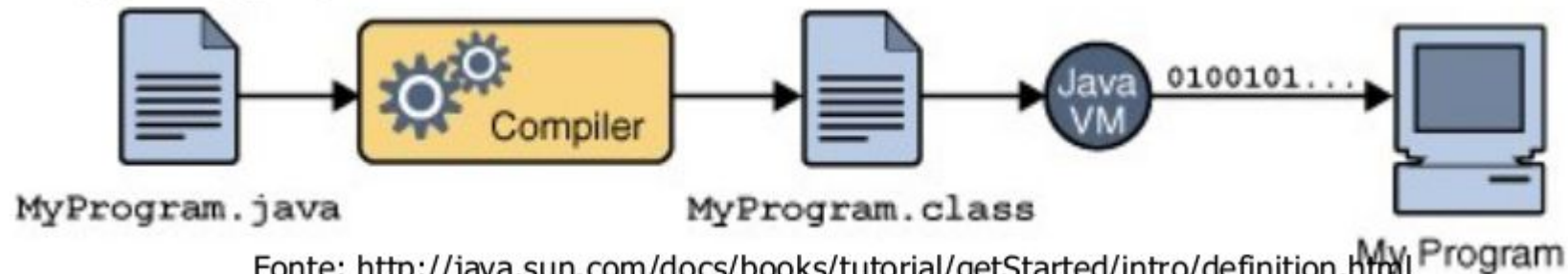
Linguagem Orientada a Objetos

Portável (“write once, run anywhere”)

Compilada para byte-code e Interpretada pela JVM

Multi-Thread

Possui extensa API



```
public class Gato extends Animal {  
    public void fazerBarulho() {  
        System.out.println("Miau!");  
    }  
}
```

JavaEE

Java Enterprise Edition

Especificações para desenvolvimento de aplicações corporativas


Servlet

WebServices


JSF, EJB, JMS, JTA

projects.spring.io/spring-boot/

Painel ContaAzul Jenkins Sandbox GitHub FK Issues GitHub ContaAzul SIGA iCloud


spring

DOCSGUIDESPROJECTSBLOGQUESTIONS




PROJECTS

Spring Boot



Takes an opinionated view of building production-ready Spring applications. Spring Boot favors convention over configuration and is designed to get you up and running as quickly as possible.

QUICK START





Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can "just run". We take an opinionated view of the Spring platform and third-party libraries so you can get started with minimum fuss. Most Spring Boot applications need very little Spring configuration.

Features

- Create stand-alone Spring applications
- Embed Tomcat, Jetty or Undertow directly (no need to deploy WAR files)
- Provide opinionated 'starter' POMs to simplify your Maven configuration
- Automatically configure Spring whenever possible
- Provide production-ready features such as metrics, health checks and externalized configuration
- Absolutely **no code generation** and **no requirement for XML** configuration

Spring Boot

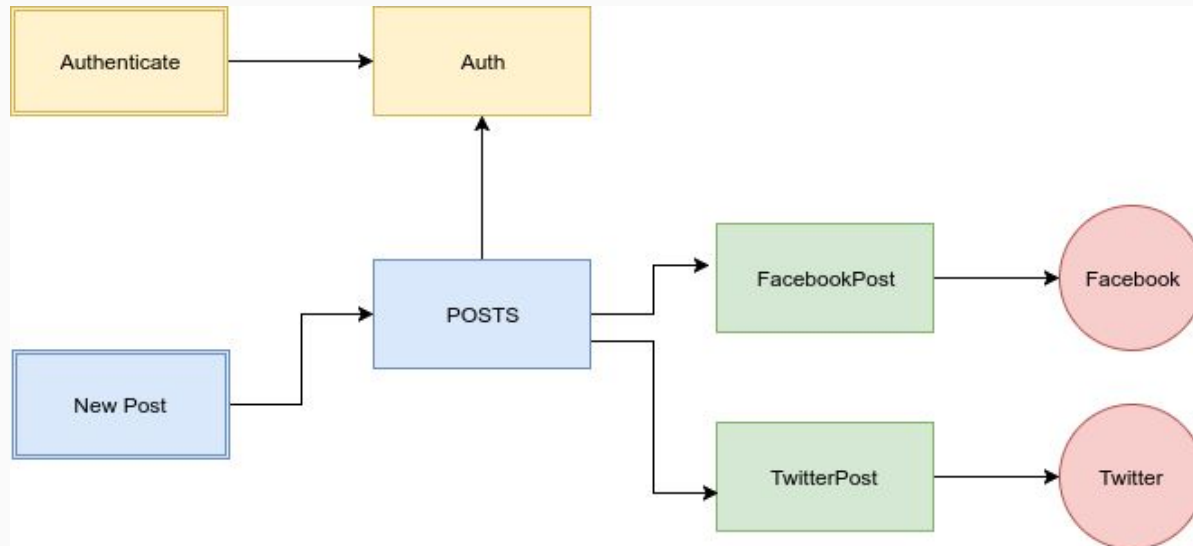
RELEASE	DOCUMENTATION
2.0.0 M4 <small>PRE</small>	Reference API
2.0.0 <small>SNAPSHOT</small>	Reference API
1.5.8 <small>SNAPSHOT</small>	Reference API
1.5.7 <small>CURRENT</small> 	Reference API
1.4.7 	Reference API

Fork me on GitHub

Hello,
World

Hands On

O que vamos fazer?



Dúvidas?

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