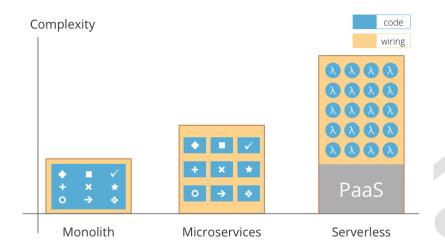
Serverless con el proyecto Fn

Víctor Orozco 9 de noviembre de 2021

Nabenik



Serverless



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Tendencias

Software Development Architecture and Design 2021 Graph

http://infog.link/architecture-trends-2021



Dapr

Open Application Model (OAM)

Design for sustainability

Design for portability

Next-gen GraphQL

WebAssembly

Data Gateways

Data Mesh

Policy as Code

Blockchain

HTTP/3 **RSocket & Reactive Streams**

Innovators

Design for resilience

Design for observability

Micro frontends

AsvncAPI

Architect Elevator

Workflow and decision automation platforms

Low code /no code

Modular monolith

Correctly-built distributed systems

Actor model

GraphQL

CHASM

Serverless Service Mesh

Functional programming

Early Majority

Reactive programming

HTTP/2 and gRPC

Event-driven architecture

CORS

Event sourcing

Eventual consistency

Microservices

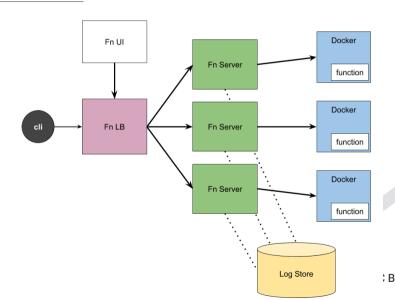
Domain-driven Design

Late Majority

Early Adopters

Idea general

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Idea general

Serverless

Serverless architectures are application designs that incorporate third-party "Backend as a Service" (BaaS) services, and/or that include custom code run in managed, ephemeral containers on a "Functions as a Service" (FaaS) platform.

Martin Fowler

BaaS



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FaaS

Backend

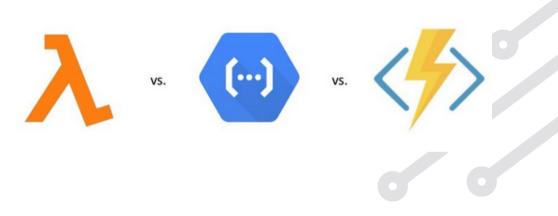
- Zip
- Docker
- Propietario

Trigger

- Http
- Cron
- Evento Cloud



Closed FaaS



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Serverless

Ventajas

- 1. Costos
- 2. Velocidad de desarrollo
- 3. Amigable con el planeta
- 4. Escalabilidad

Desventajas

- 1. Curva de aprendizaje
- 2. Lock-in
- 3. Cold start
- 4. Control

Open Source FaaS

















Proyecto fn

Open Source, Container-native, Serverless platform.



- **Open Source**
- 2. Docker
- 3. Políglota
- 4. On Prem, Oracle Cloud Functions













Demo

- 1. Java FDK
 - 1.1 Aplicación
 - 1.2 Función
 - 1.3 Trigger (Ejecución)
- 2. On Prem (Docker)
- 3. Oracle Cloud Functions

```
https://medium.com/oracledevs/
```

extend-your-api-with-serverless-functions-and-api-gateways-2a383561ef5c

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