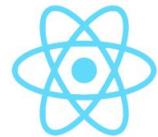


Serverless não é o caminho

Rodrigo Nonose

Serverless não é o caminho

Rodrigo Nonose



React



elixir

jobs.emcasa.com







TRADE UNION
CONGRESS

LEGISLATIVE
EIGHT-HOURS DAY!

Custos

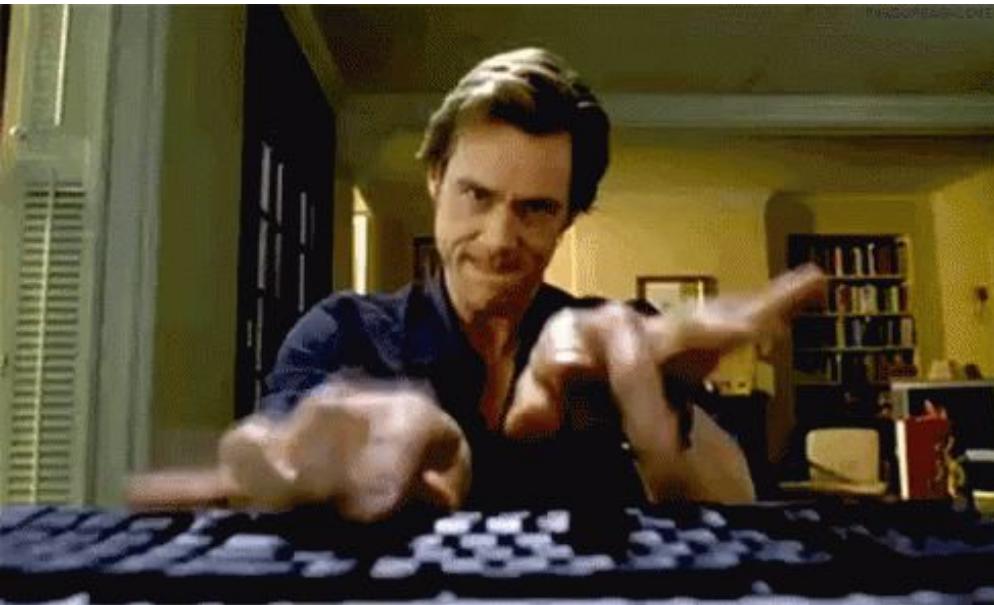




Operação

Escalabilidade





Produtividade

Falsa dicotomia

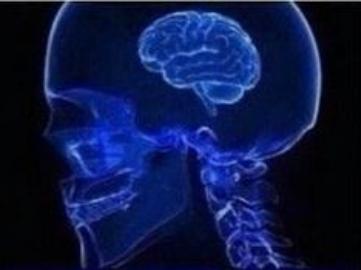




Nomenclatura

Abstração

IMPERATIVE



PROCEDURAL



OBJECT-ORIENTED



FUNCTIONAL



DISTRIBUTE



Distribuição

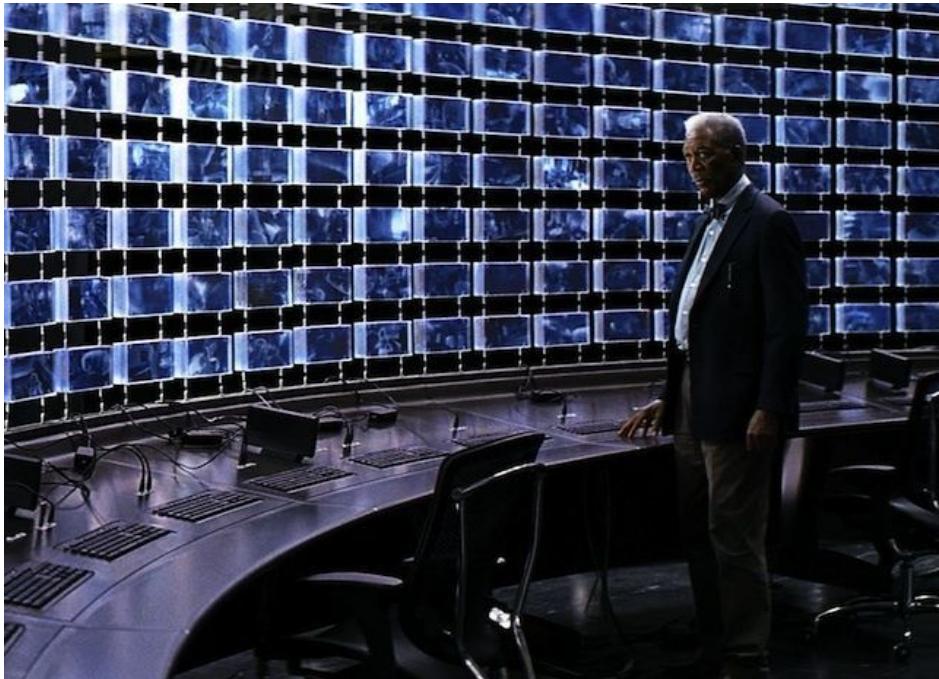
Mensagens





Limite de recursos

Monitoramento



Debugging

HOW TO DEBUG HEISENBUGS

geek & poke

Segurança

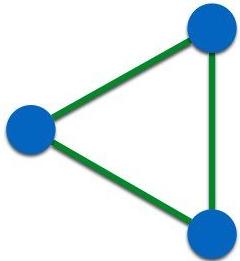




COLONIAL AND EARLY AMERICAN DOORWAYS · NEWPORT, RHODE ISLAND

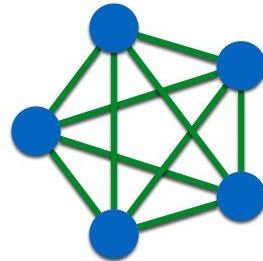
Complexidade arquitetural

3 nodes



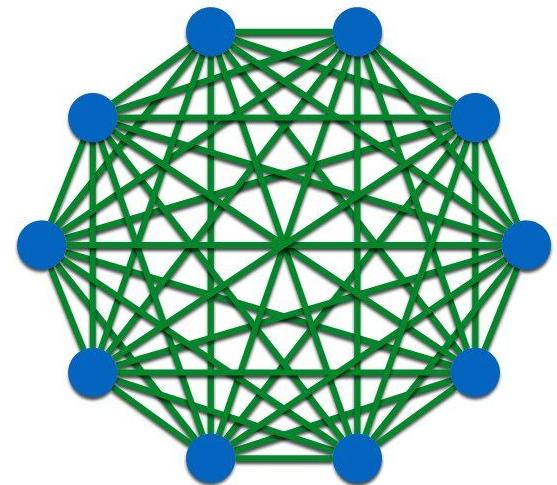
3 links

5 nodes



10 links

10 nodes



45 links

Tools



Security



Framework



Hosted

Installable

Platform



Cloud Native Landscape

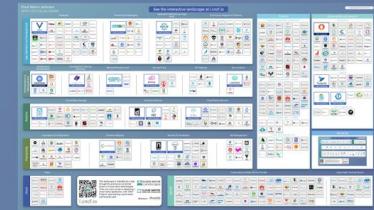


Serverless computing refers to a new model of cloud native computing, enabled by architectures that do not require server management to build and run applications. This landscape illustrates a finer-grained deployment model where applications, bundled as one or more functions, are uploaded to a platform and then executed, scaled, and billed in response to the exact demand needed at the moment

CLOUD NATIVE
Landscape

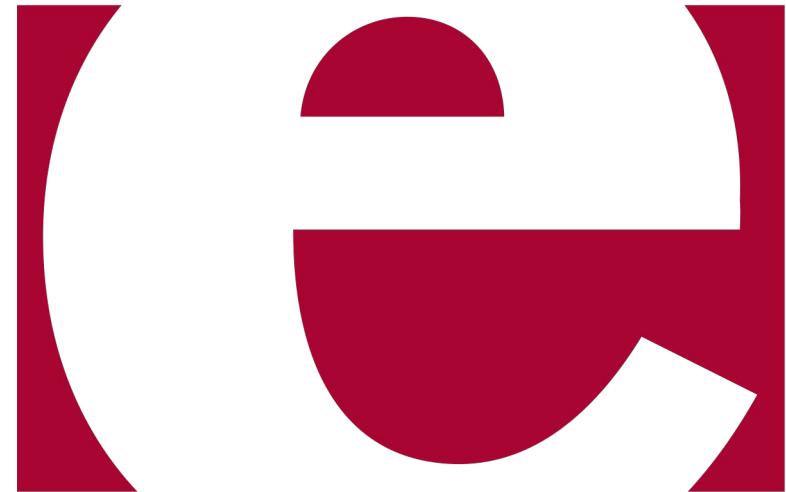
CLOUD NATIVE
COMPUTING FOUNDATION

Redpoint





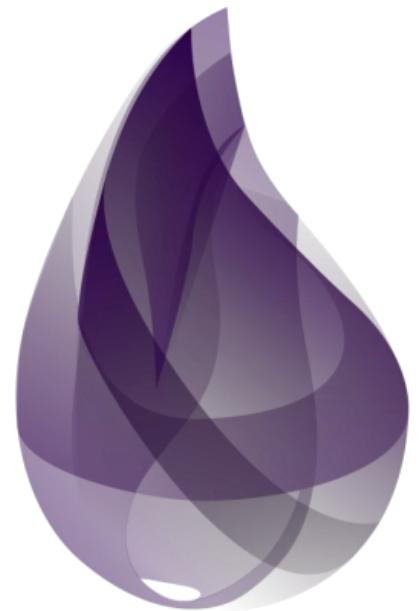
By Frits Ahlefeldt



E R L A N G

1986





2011



Elixir

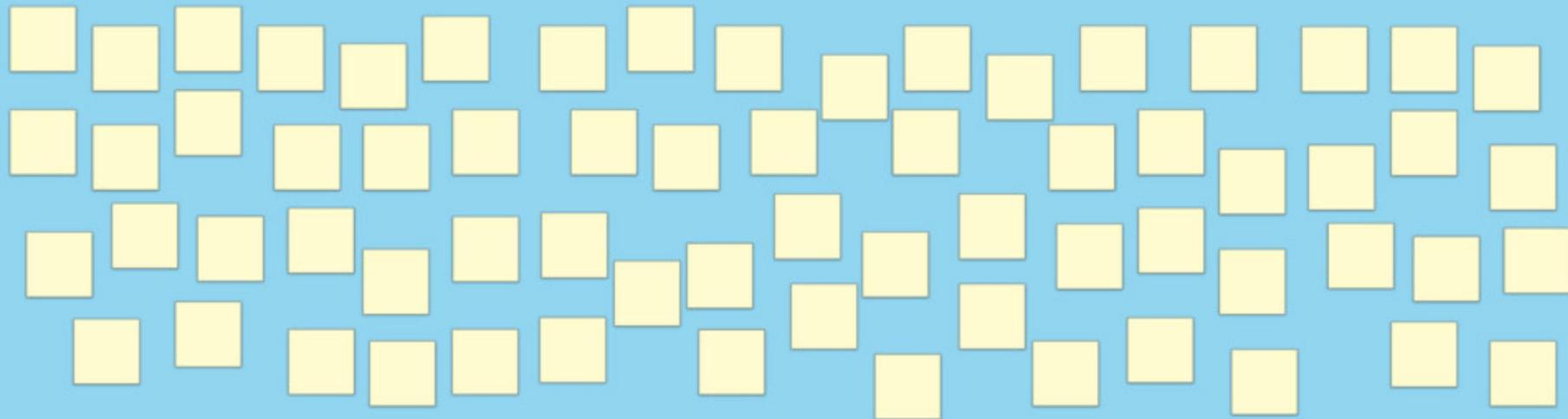
- Programação Funcional
- Syntax Top
- Imutabilidade
- Protocolos (Extensibilidade)
- Macros (DSLs)

```
8  def sluggify(string) do
9    string
10   |> String.split(" ")
11   |> Enum.map(&String.normalize(&1, :nfd))
12   |> Enum.map(&String.replace(&1, ~r/[\W/u, ""]))
13   |> Enum.join("-")
14   |> String.downcase()
15 end
```

Elixir

- Alta disponibilidade
- Concorrência / Paralelismo
- Tolerância a falhas

BEAM



scheduler

scheduler

scheduler

scheduler

CPU

CPU

CPU

CPU

Elixir

- Alta disponibilidade
- Concorrência / Paralelismo
- Tolerância a falhas

Conclusão

Obrigado



rhnonose
backendwizard



Links

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<https://serverless.com/>

https://en.wikipedia.org/wiki/Serverless_computing

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<https://fanout.io/>

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<https://www.sandimetz.com/blog/2016/1/20/the-wrong-abstraction>

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