

D e v  p s

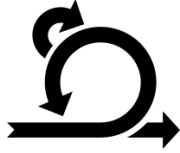
Sin DevOps

“No contrates ingenieros DevOps”

“El pipeline es de los Devs”



Nuestro negocio



Nuestro negocio



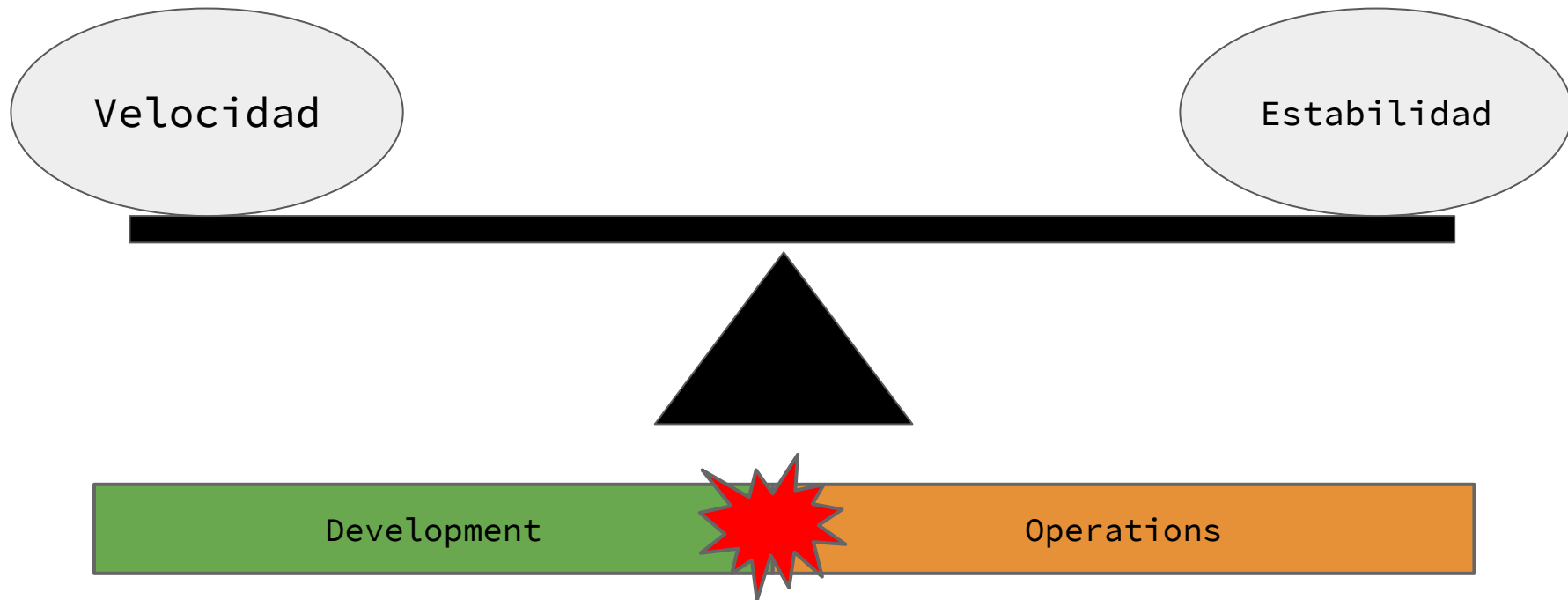
Development

Operations

Nuestro negocio

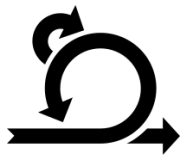


¿Conflicto de intereses?



*DevOps is a **set of practices** intended to **reduce the time** between committing a change to a system and the change being placed into normal production while ensuring high quality.*

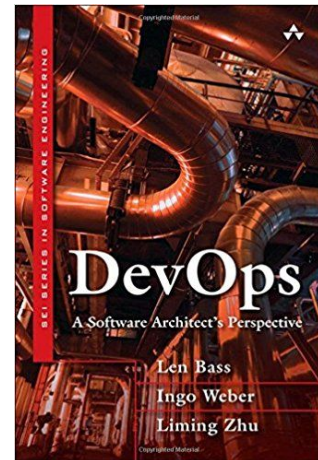
Len Bass, SEI-CMU



D e v  p s

DevOps Principles

- > Operations as first-class citizen
- > Make dev responsible for prod incidents
- > Formal deployment process
- > Continuous Delivery
- > Infrastructure as code



Business as usual

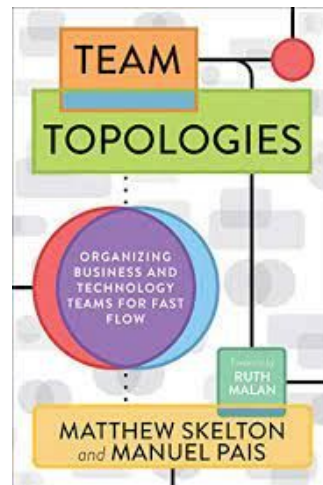
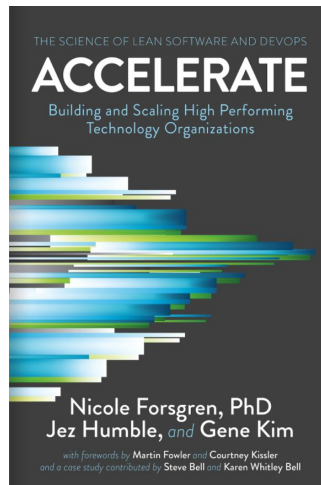
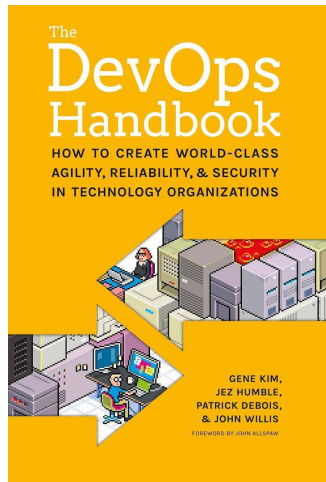
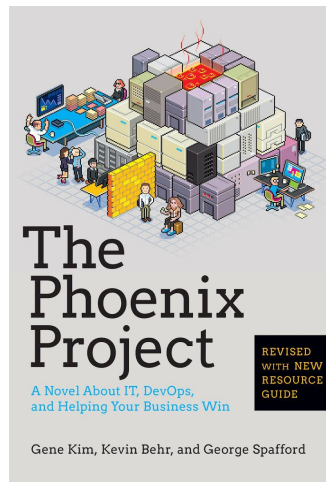


Process
&
Culture

Practices

Tools

DevOps Books



DevOps

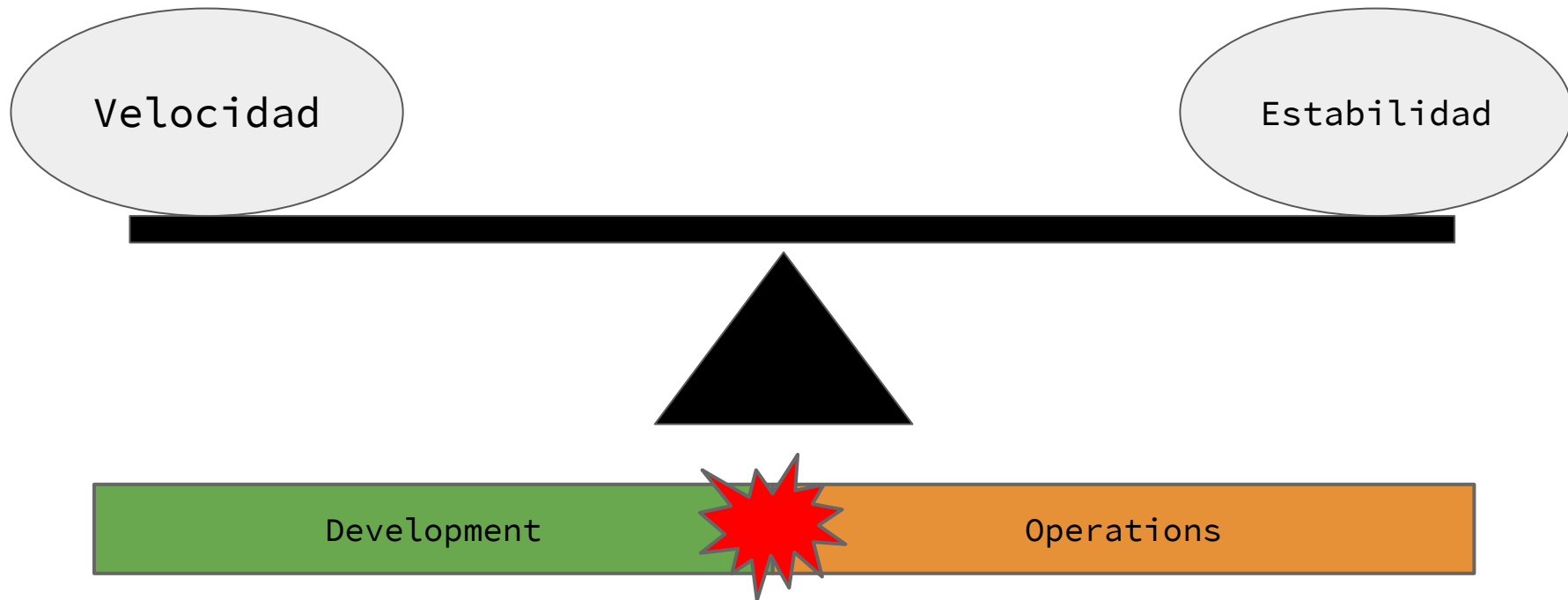
```
graph TD; subgraph DevOps; subgraph CD [Continuous Delivery]; CI[Continuous Integration]; end; end; IAC[Infrastructure as Code];
```

Continuous
Integration

Continuous Delivery

Infrastructure as Code

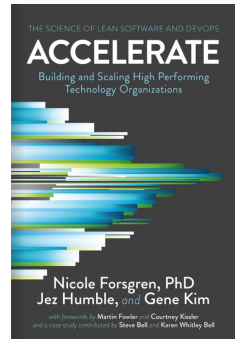
¿Conflicto de intereses?

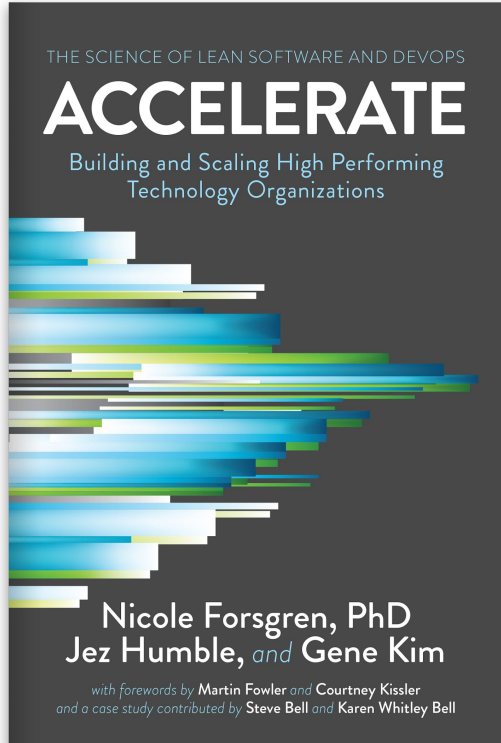


¿Conflicto de intereses?



High performers understand that they don't have to trade speed for stability or vice versa, because by building quality in they get both.

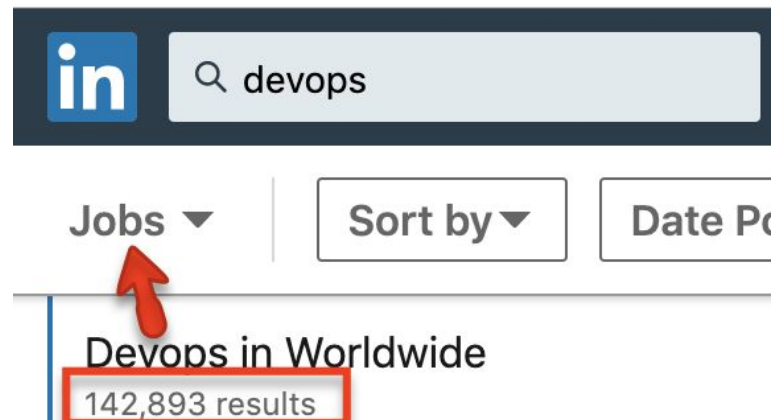
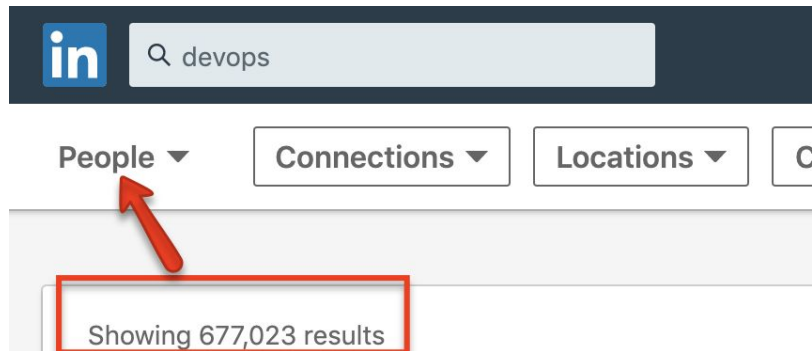




Software Delivery Performance

- > Lead Time
- > Deployment Frequency
- > Mean Time to Restore
- > Change Fail Percentage

Oportunidades DevOps

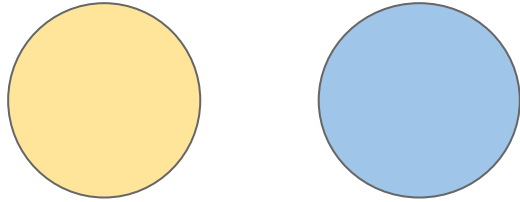




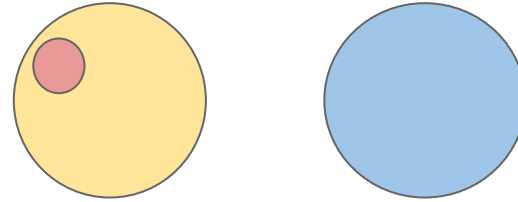
DevOps Topologies

Topologies Anti-patterns

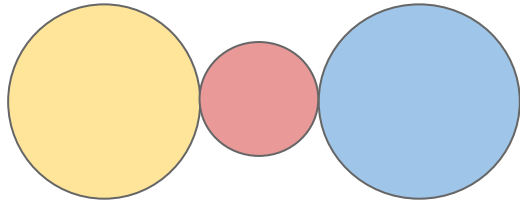
Dev and Ops Silos



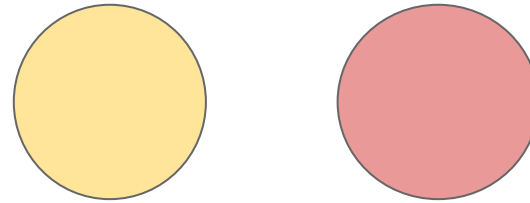
DevOps as Tools team

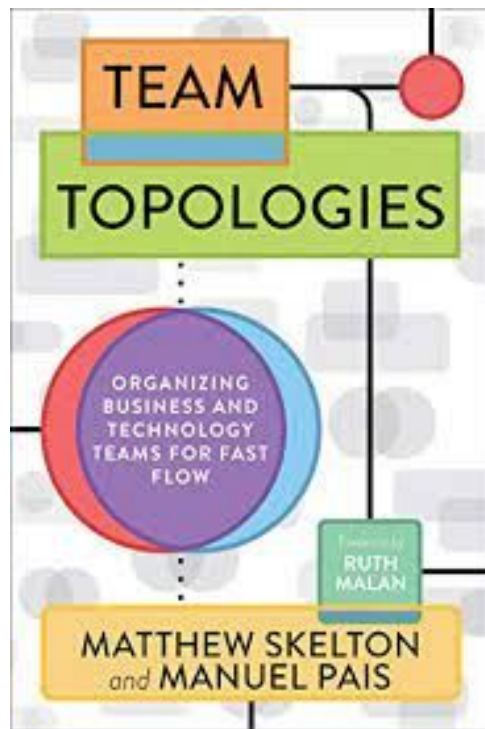


DevOps Silo



Rebranded Ops





Fundamental Team Types

Stream-aligned team

Enabling
team

Complicated
Subsystem
team

Platform team

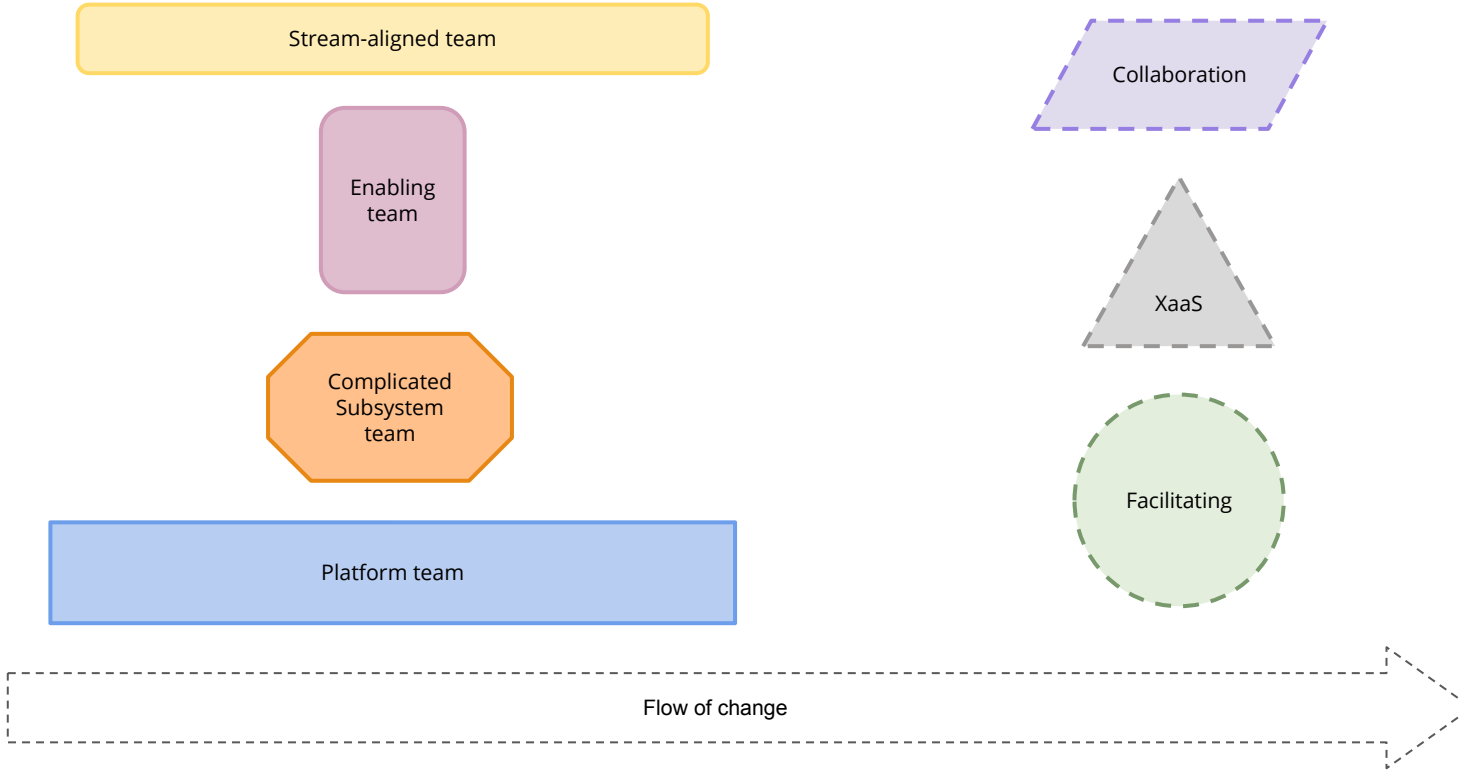
Team Interaction Modes

Collaboration

XaaS

Facilitating

Flow of change



Caso “CSL”

Stream-aligned team

Stack:

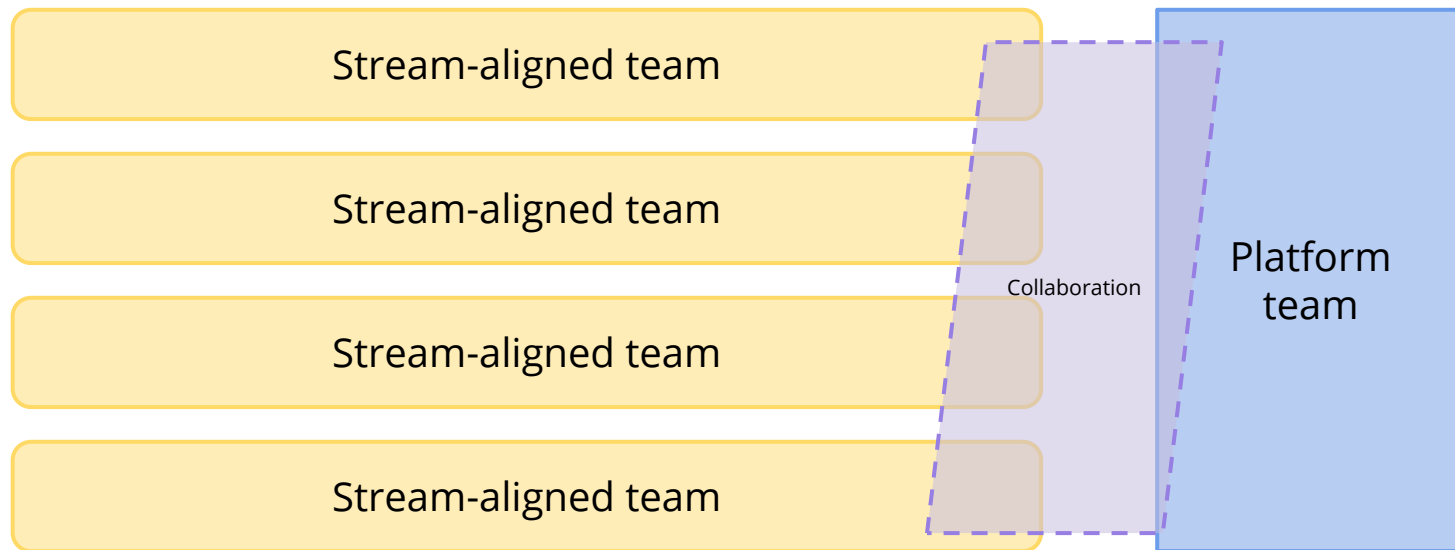
Ruby on Rails

Terraform/Ansible

Github / CodeShip

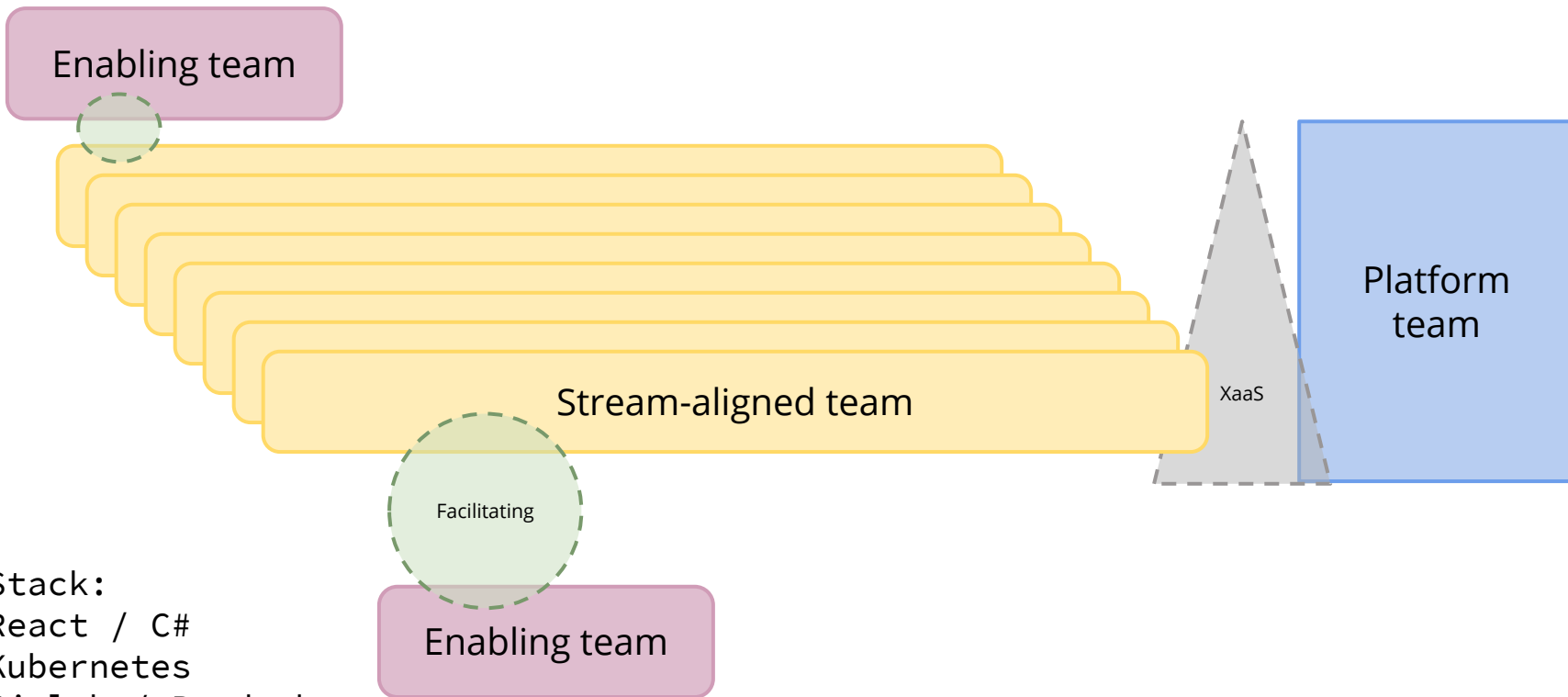
AWS EC2

Caso “INT”



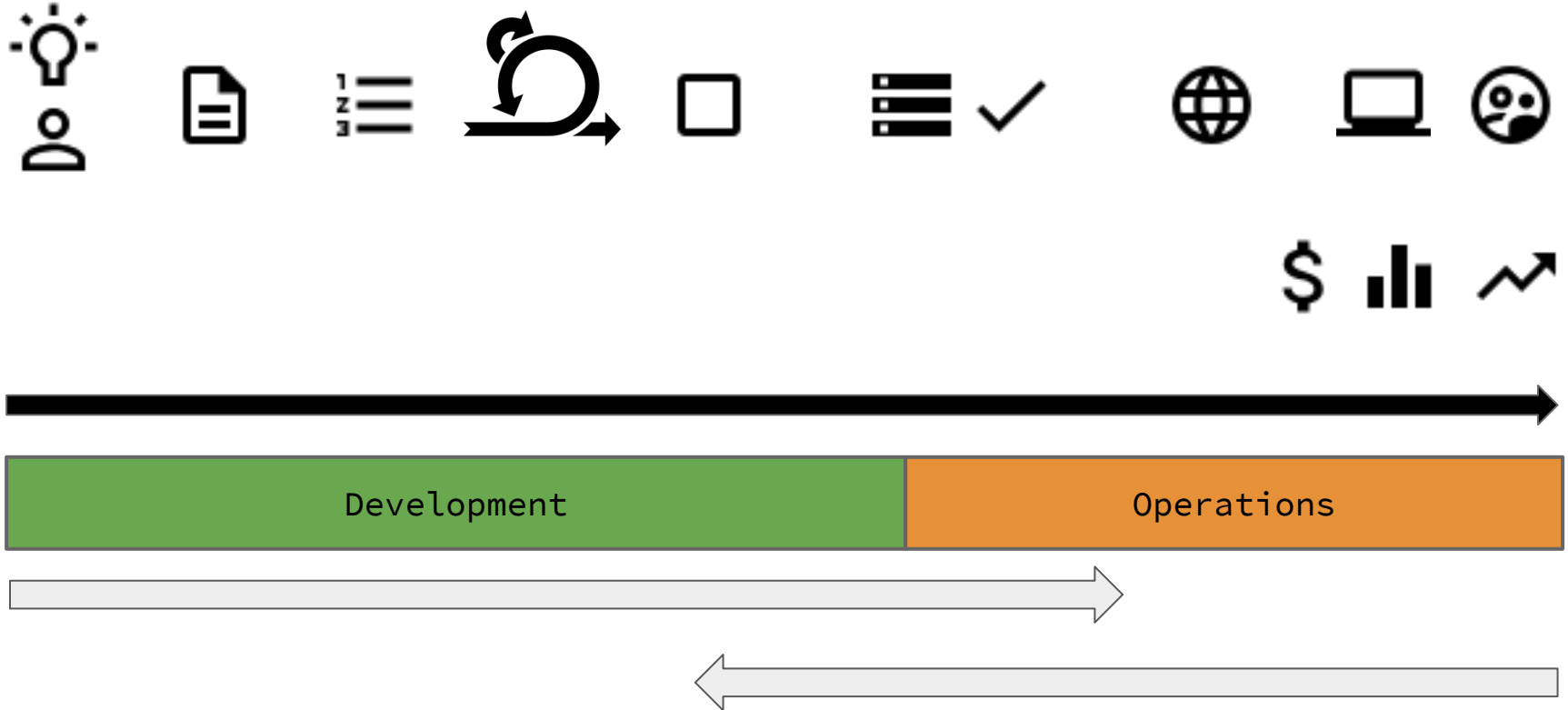
Stack:
React / C#
Ansible
Gitlab / Jenkins
VMWare

Caso “SUV”



Stack:
React / C#
Kubernetes
Gitlab / Rundeck

Shift



Dashboard to Production

> Dev Shift

Bring Ops onboard early

> Dev Shift

Be aware of runtime properties

> Dev Shift

Use feature flags

- > Dev Shift

Instrument the application

> Dev Shift

Be OnCall

> Dev Shift

Involve early

Ops shift <

Be part of the Scrum rituals

Ops shift <

Understand Application features

Ops shift <

Release (soltar)

Ops shift <

Operate using Software Engineering

Ops shift <



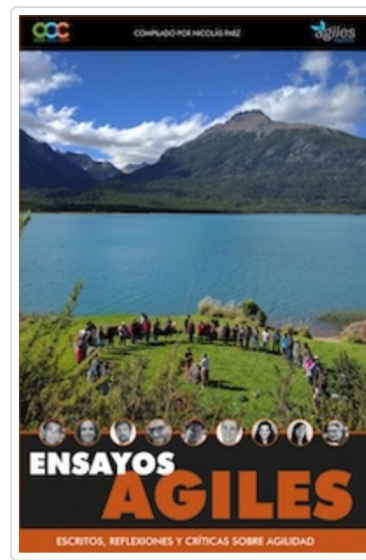
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