



Bad DevOps made easier!

Dirk Lehmann, SAP
October, 2019

PUBLIC

bitkom

@doergn

THE BEST RUN 

DevOps does not work

The Secret to DevOps Success

April 11, 2019

Contributor: Katie Costello

INFRASTRUCTURE & OPERATIONS

Infrastructure and operations leaders can avoid the top 5 reasons for DevOps failures by focusing on the common cause.

Richard, an [infrastructure and operations \(I&O\) leader](#) at a large manufacturing organization, has been tasked by his CIO to develop an DevOps initiative to help the company better scale its software releases and updates. This is the first time that Richard is working on this type of initiative. He is unsure about how to approach it and concerned about being successful.

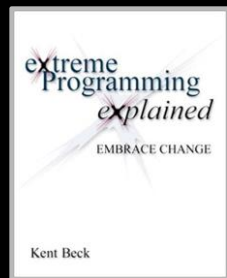
Gartner predicts that through 2022, 75% of DevOps initiatives will fail to meet expectations due to issues around organizational learning and change.

“ [People-related factors tend to be the greatest challenges — not technology](#)”

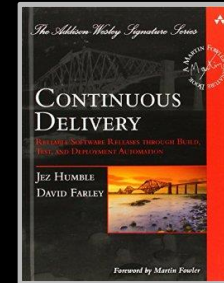
“In 2019, we are still witnessing I&O leaders embarking on DevOps initiatives and struggling to address organizational change and the value they will provide to the larger enterprise,” says [George Spafford](#), Senior Director Analyst, Gartner. “Organizational learning and change are key to allowing

[Gartner](#) – April 11, 2019

Where are the unicorns?



Agile Manifesto



Continuous Integration

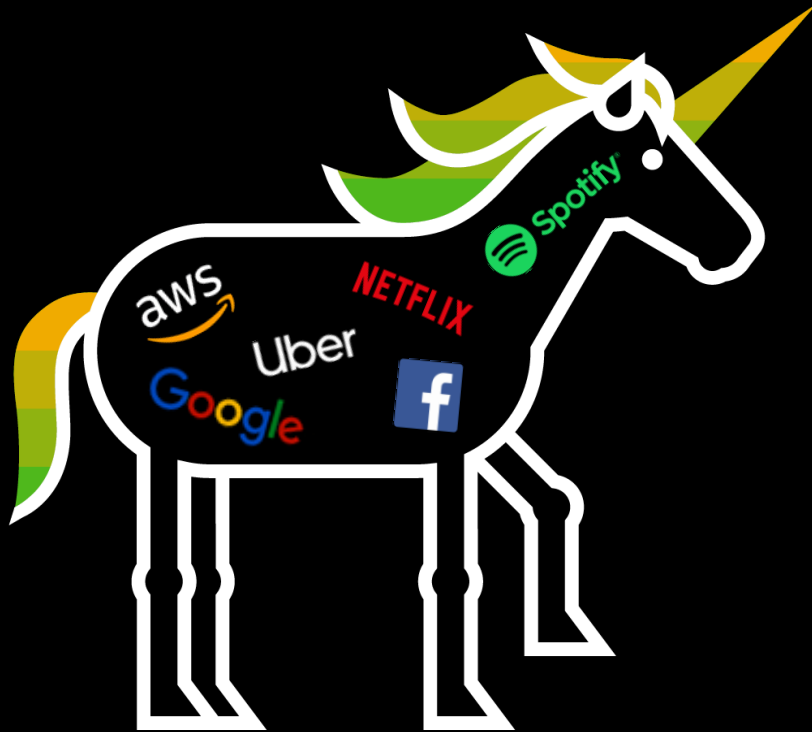


Bad DevOps Pro Tip #1

Let's just copy the unicorns



Let's just copy the unicorns



You can't copy

- People
- Customers
- Failures
- Experiences
- History
- Business Case
- Culture
- Environment
- Financial settings
- Tools
- ...

You can't copy – but learn and adopt

- People
- Customers
- Failures
- Experiences
- History
- Business Case
- Culture
- Environment
- Financial settings
- Tools
- ...



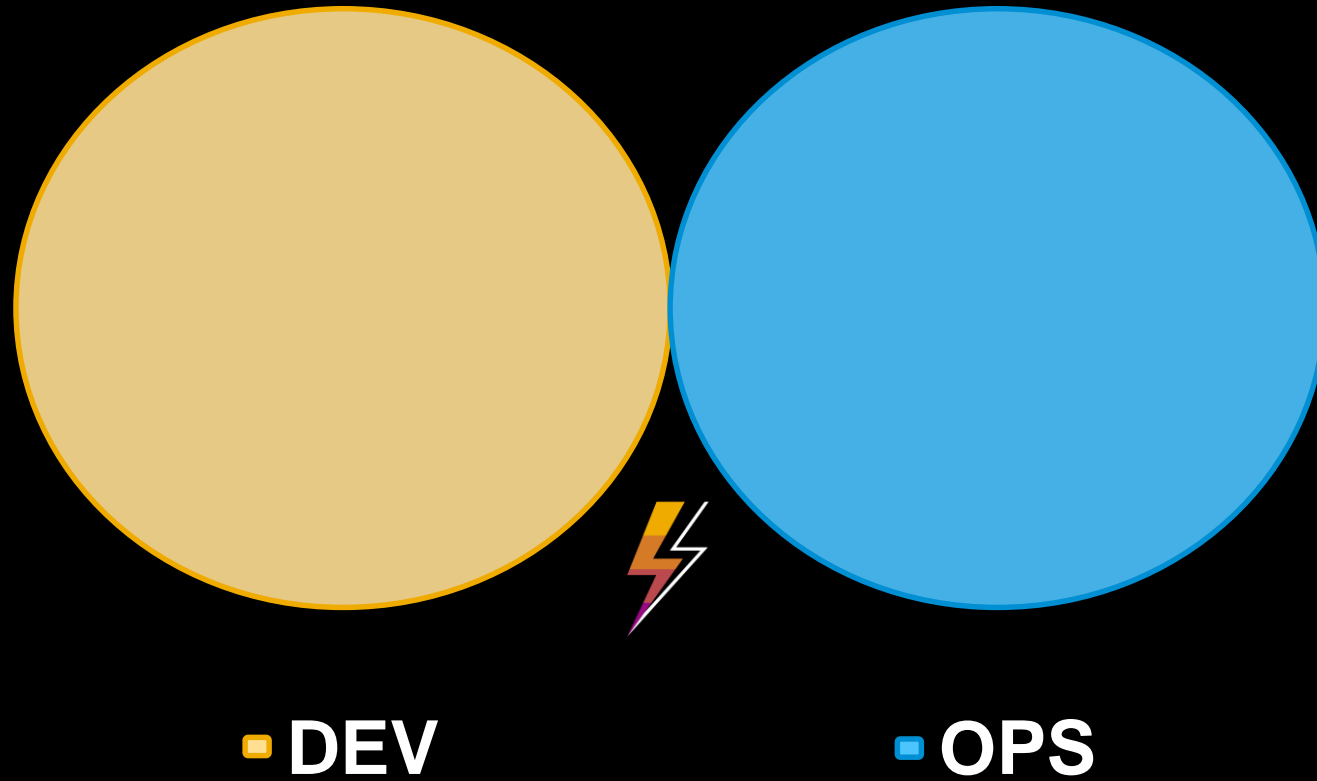
**Learn
&
Adopt**

Bad DevOps Pro Tip #2

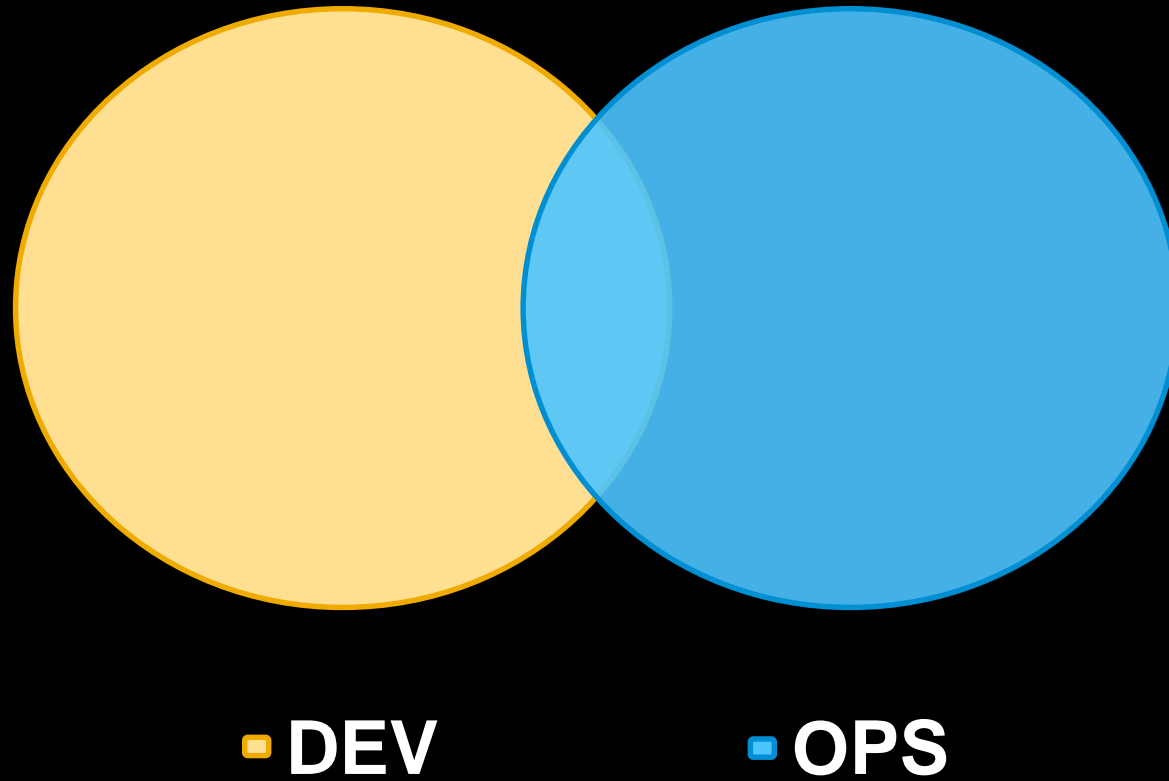
Let's hire a DevOps team



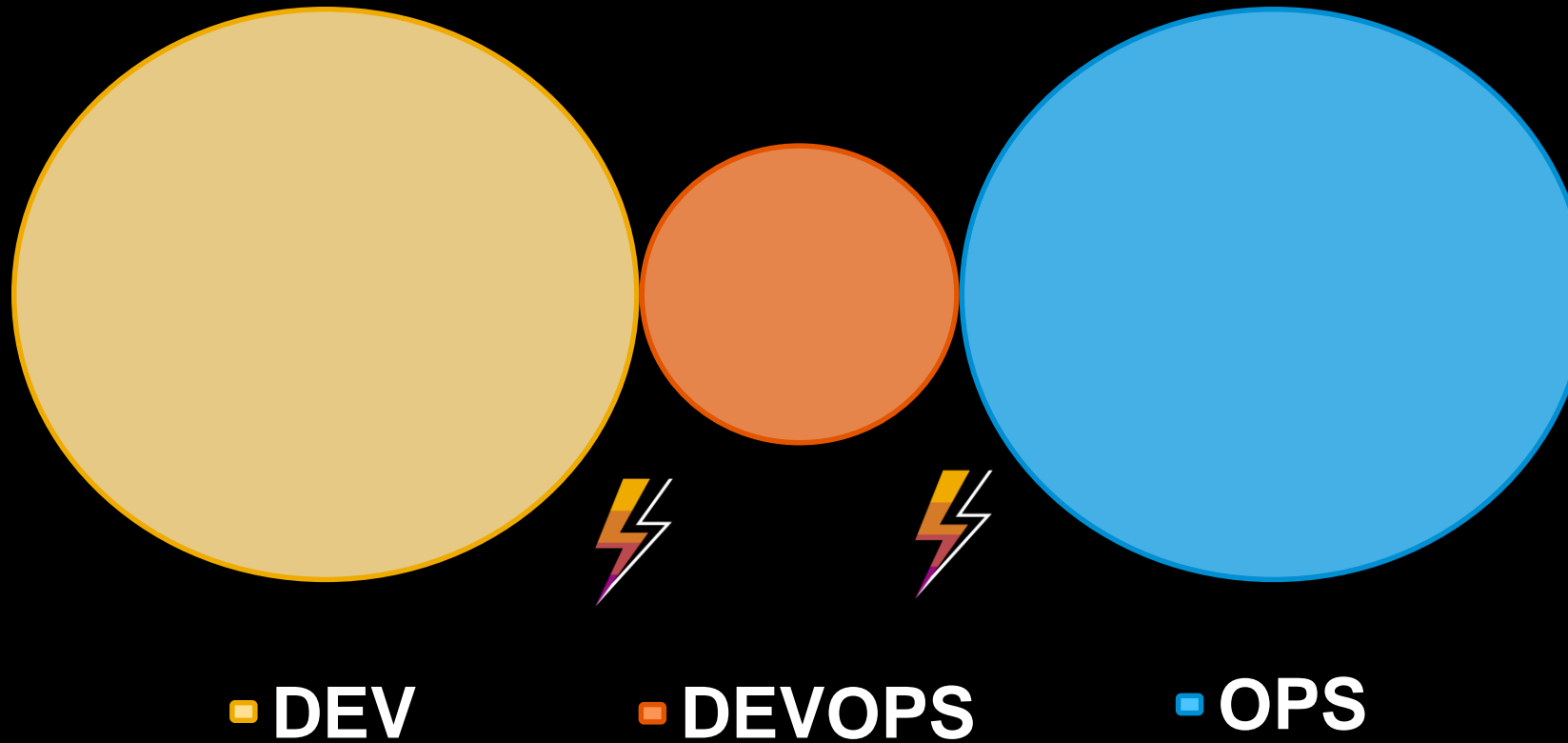
The Roots of DevOps



The way it should be



El Clásico – The third silo



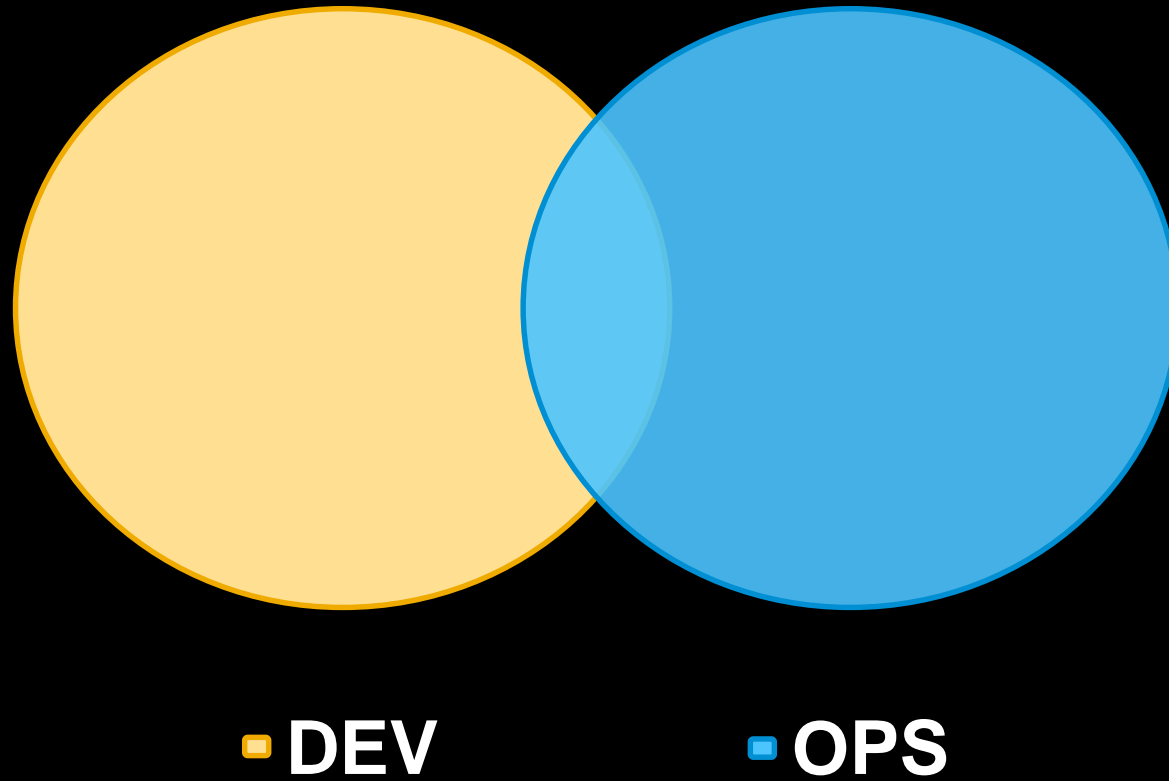
More bad topologies? <https://web.devopstopologies.com/> - Kudos to [@matthewpskelton](#) & [@manupaisable](#)

Bad DevOps Pro Tip #3

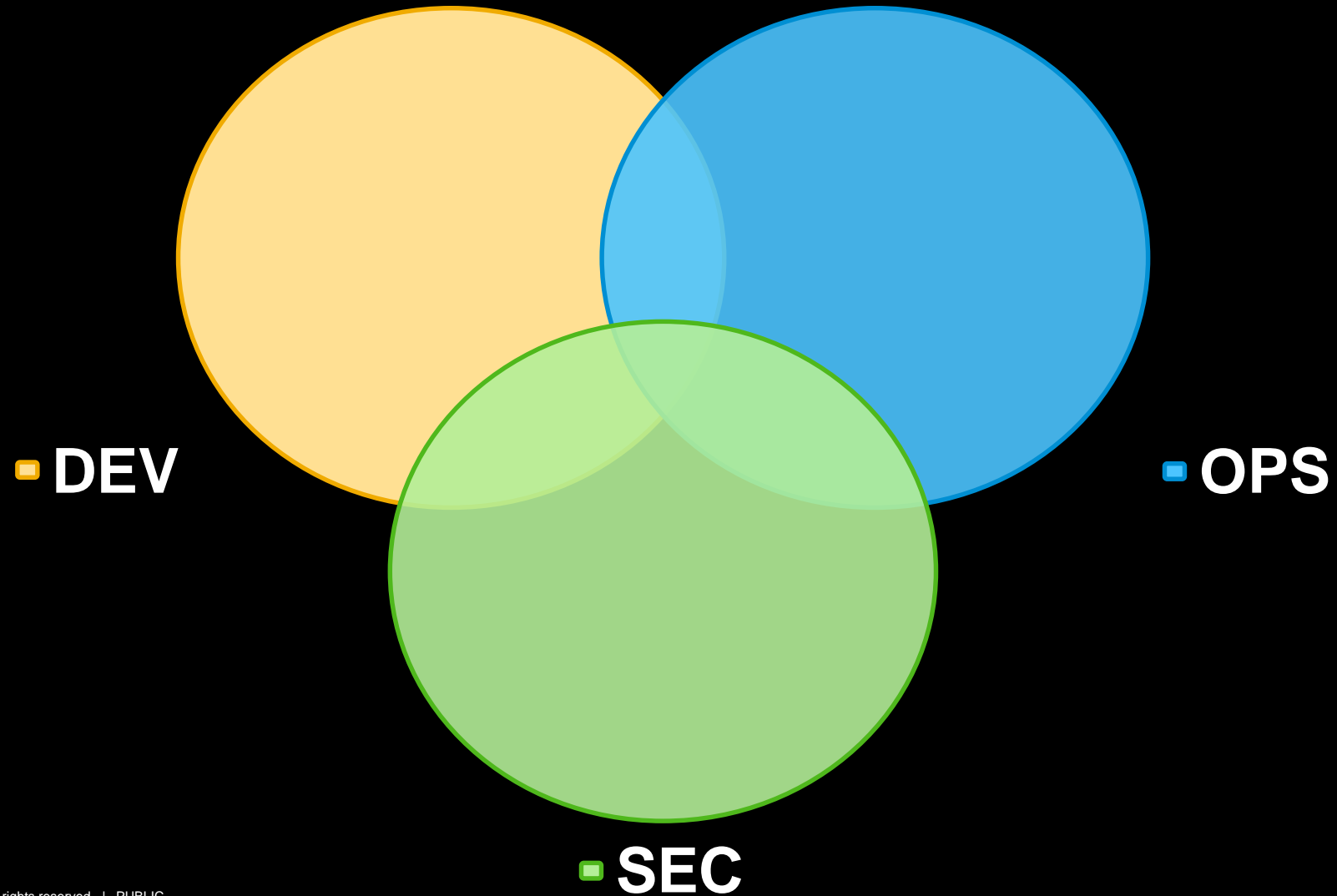
DevOps = Dev + Ops



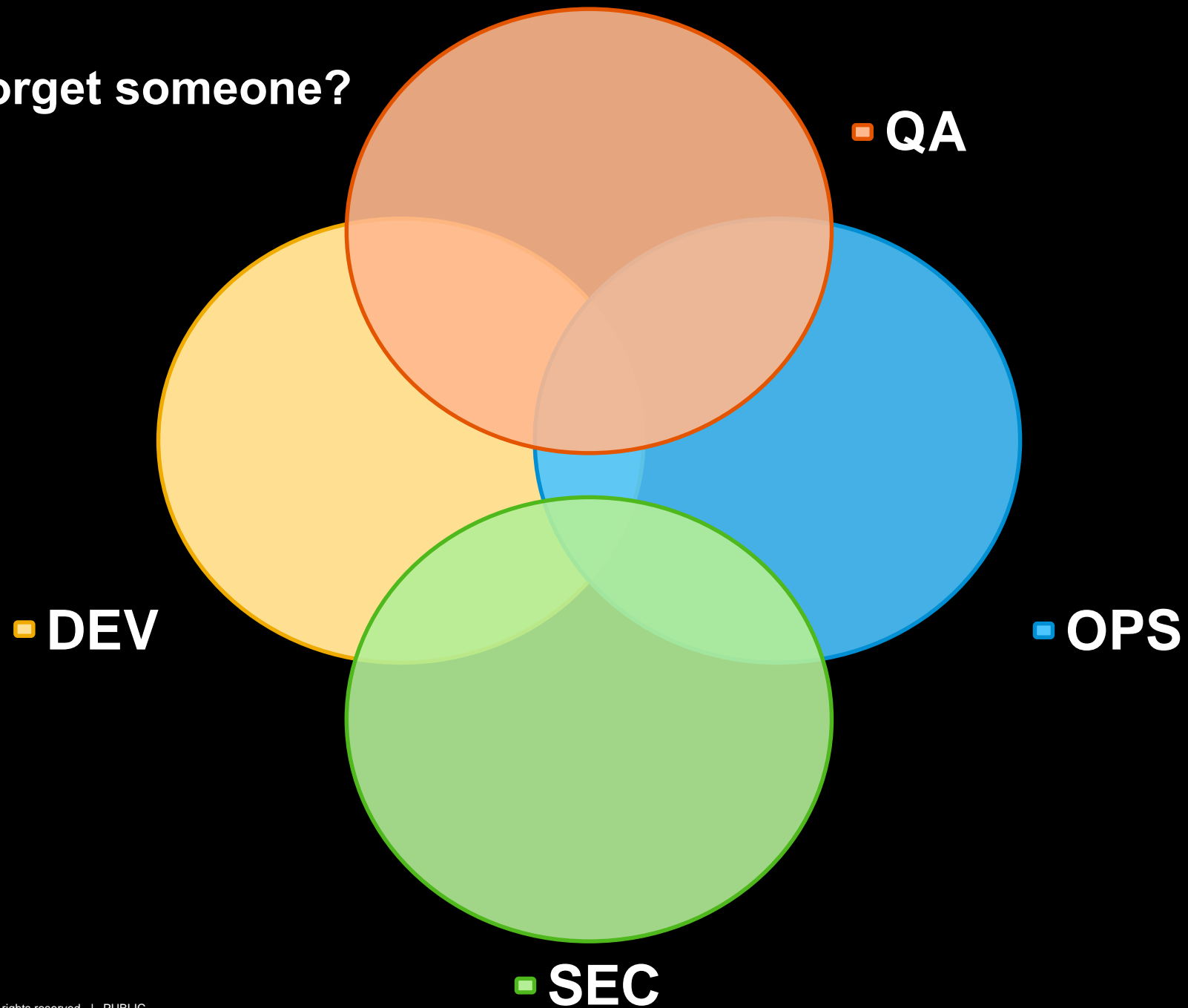
Didn't we forget someone?



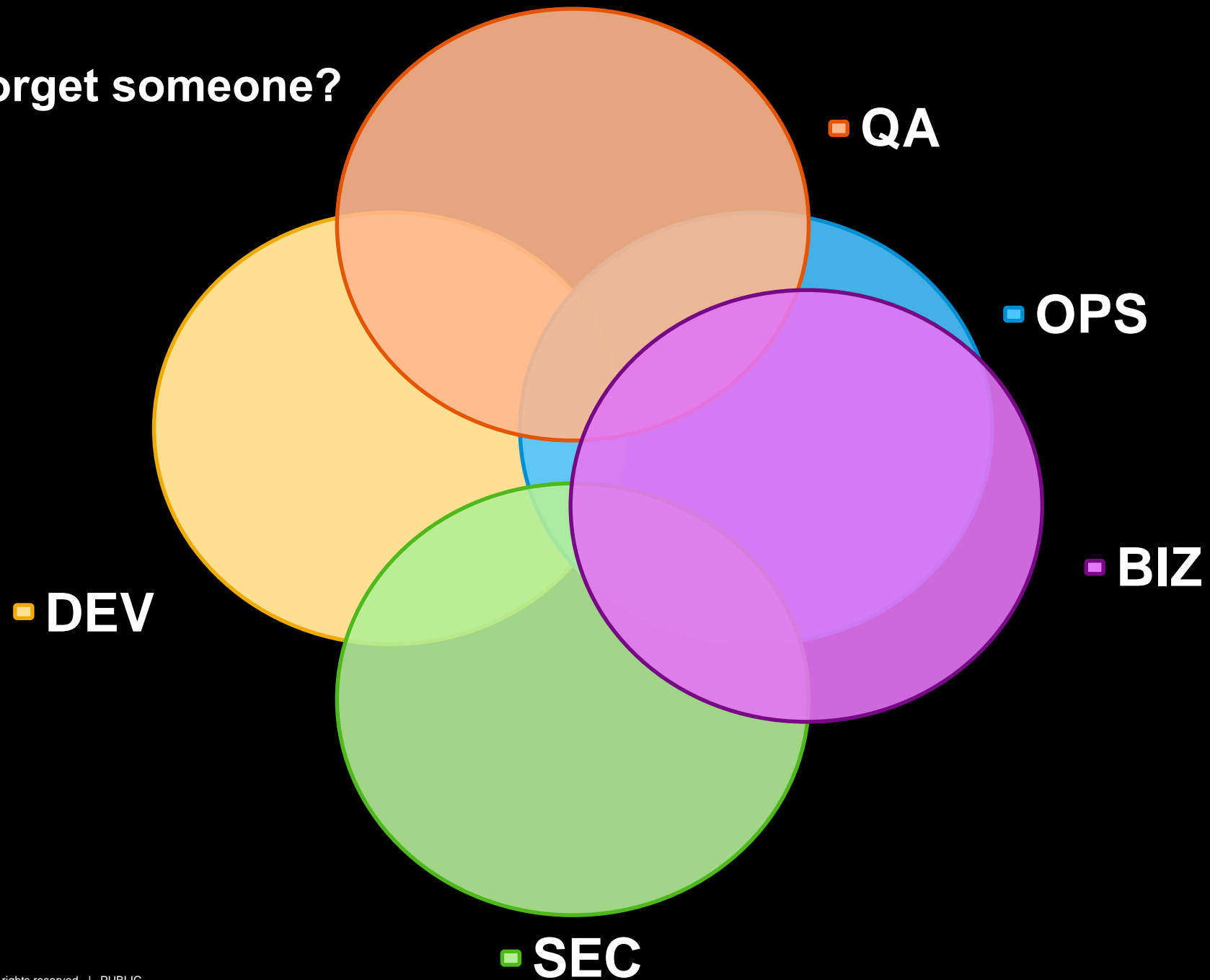
Didn't we forget someone?



Didn't we forget someone?



Didn't we forget someone?



Didn't we forget someone?

■ DEV

■ UX

■ QA

■ OPS

■ BIZ

■ SEC

Who should be in your team?

Thought experiment



Who should be in your team?

Thought experiment



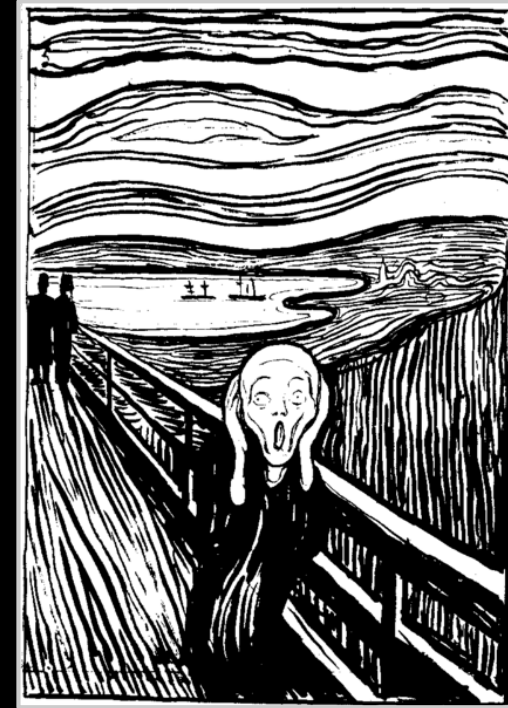
Shut down the productive system

Who should be in your team?

Thought experiment



Shut down the productive system



See who panics

“DevOps: A culture where people, regardless of title or background, work together to imagine, develop, deploy and operate a system.”

Ken Mugrage

<https://kenmugrage.com/2017/05/05/my-new-definition-of-devops/>

Bad DevOps Pro Tip #4

We do *[Buzzword]* already!



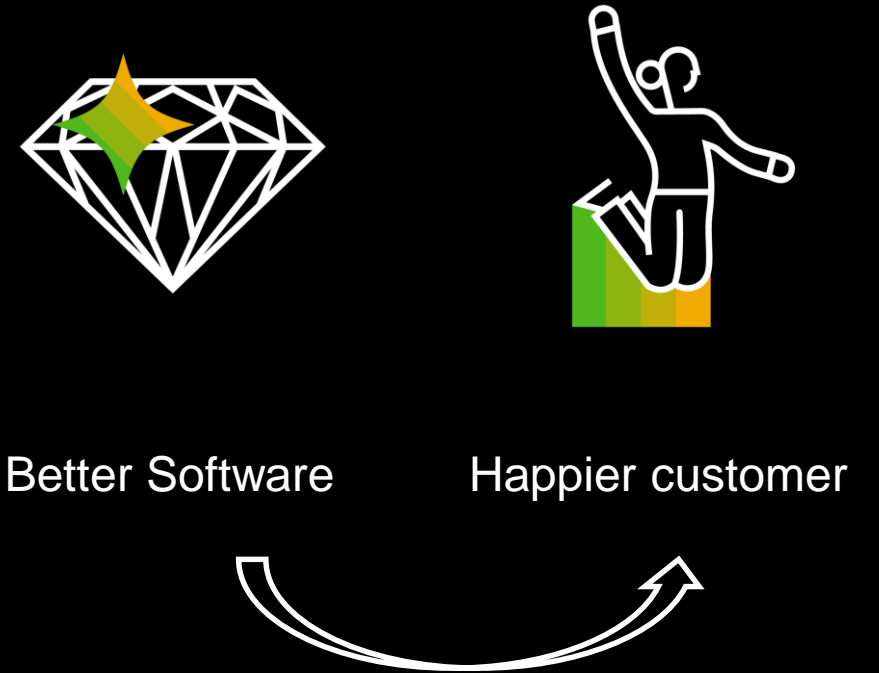
The Agile Theater Presents:



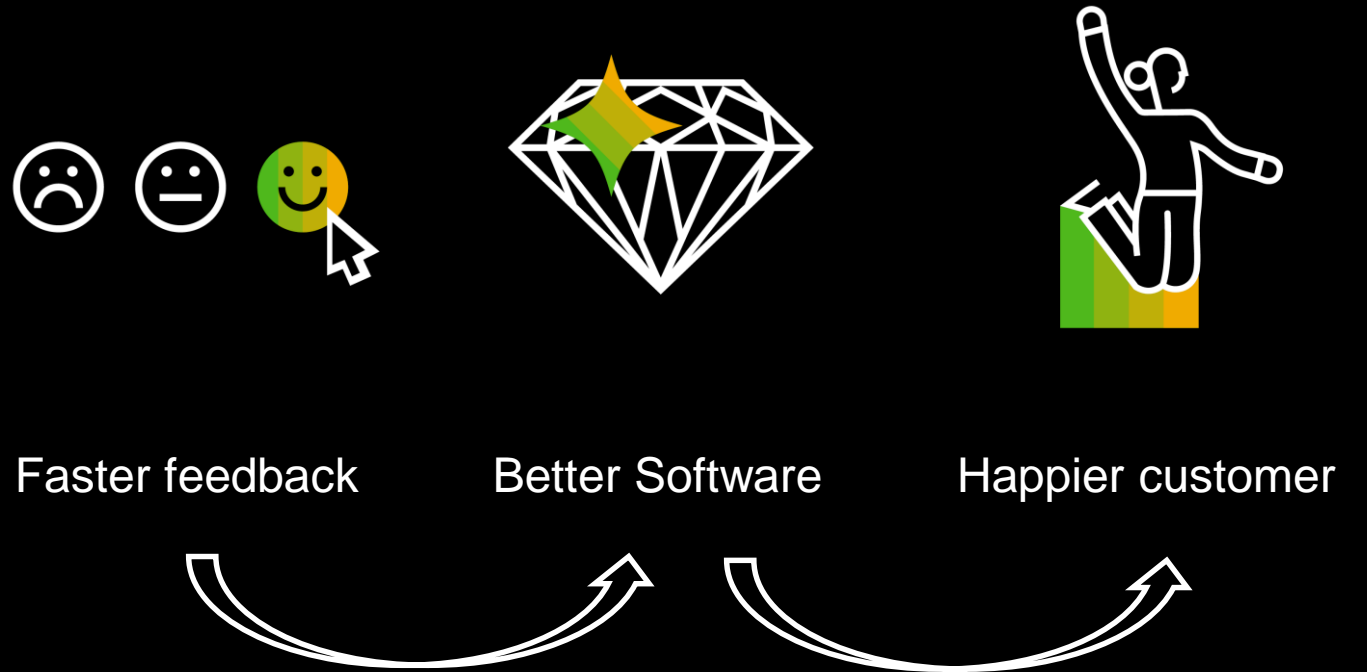
The CI/CD Theater Presents:



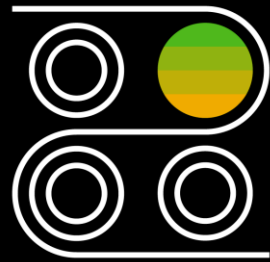
“The goal of Continuous Delivery is better software”



“The goal of Continuous Delivery is better software”



“The goal of Continuous Delivery is better software”



Faster deployment



Faster feedback



Better Software



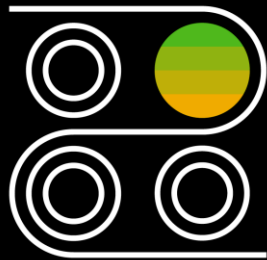
Happier customer



“The goal of Continuous Delivery is better software”



Build Quality-In



Faster deployment



Faster feedback



Better Software



Happier customer



The DevOps Theater Presents:



“**Do.** Or do not.
There is **no try.**”

Yoda

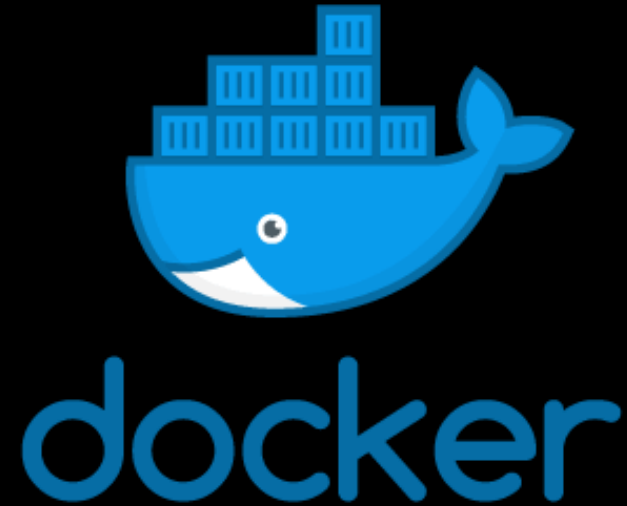
Bad DevOps Pro Tip #5

It's technology, stupid!



Greenfield approach – Let's make things (finally) right

Greenfield approach – Let's make things (finally) right



Greenfield approach – Let's make things (finally) right



docker

Greenfield approach – Let's make things (finally) right



docker



Greenfield approach – Let's make things (finally) right



docker



Greenfield approach – Let's make things (finally) right



docker

GitOps

Greenfield approach – Let's make things (finally) right



Greenfield approach – Let's make things (finally) right



Greenfield approach – Let's make things (finally) right



Greenfield approach – Let's make things (finally) right



An inconvenient truth 1/2

There is no greenfield.

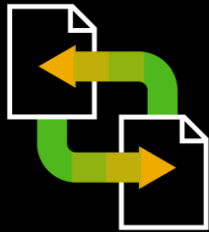
An inconvenient truth 2/2

**Your job only exists
to serve business.**

Apply new solutions only if...



...the problems they solve, are **now** current



...the solution can be **replaced** easily later



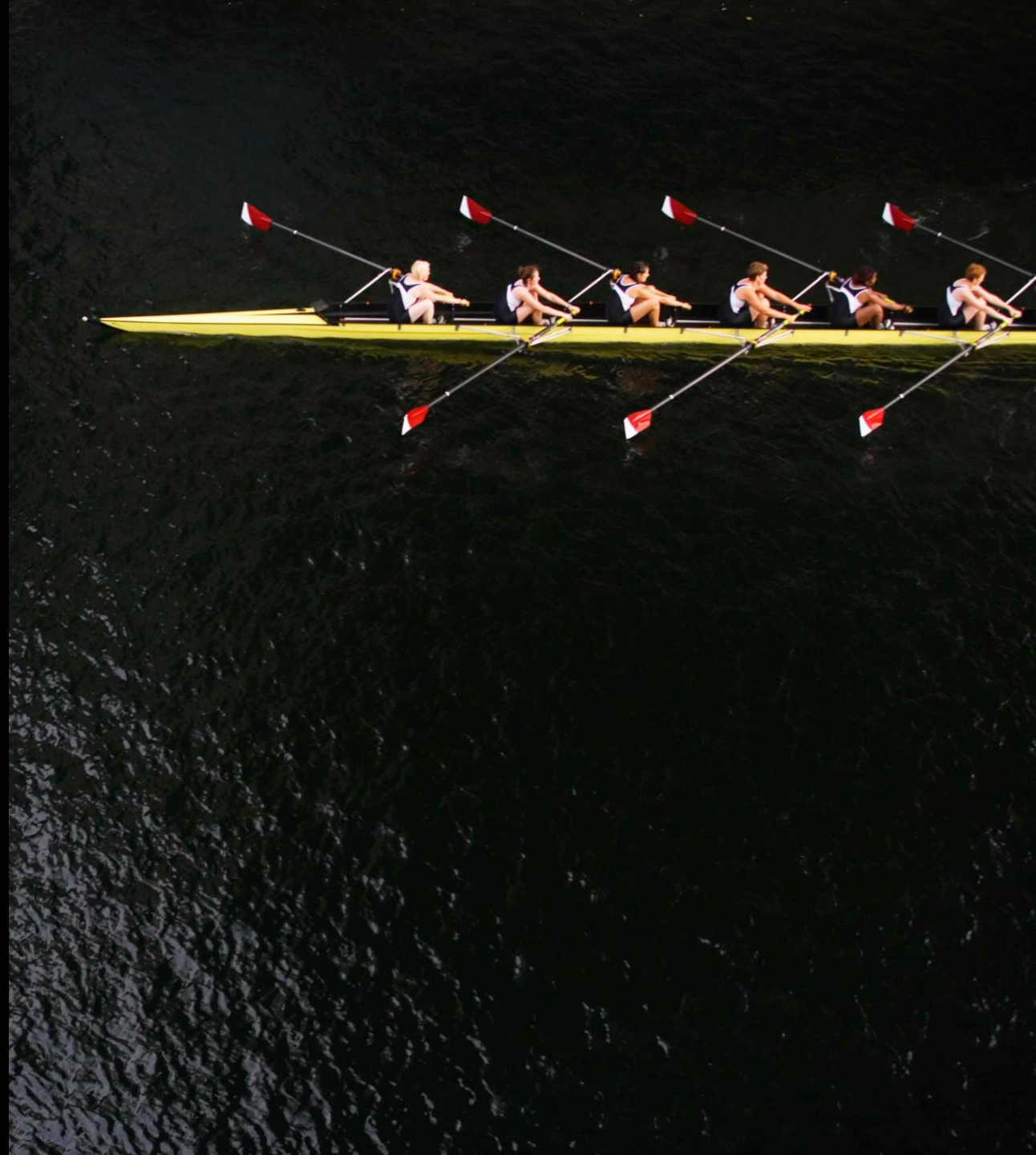
...your team shares a broad **knowledge** about the solutions

Money is a thing



Recap

- Do **YOUR** DevOps
- Be aware of **easy solutions**
- Involve **everyone**
- Don't fall for **theaters**
- Understand your **constraints**



Images used

- Much “Scream”: https://commons.wikimedia.org/wiki/File:Munch_The_Scream_lithography.png (Public Domain)

Thank you.

Contact information:

Dirk Lehmann
Cloud Quality Coach

 @doergn

bitkom

THE BEST RUN 