The DevOps disaster

15 ways to fail at DevOps

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@bjschrijver

Let's meet

Bert Jan Schrijver

- JPoint
- OPENVALUE
- POLITIE
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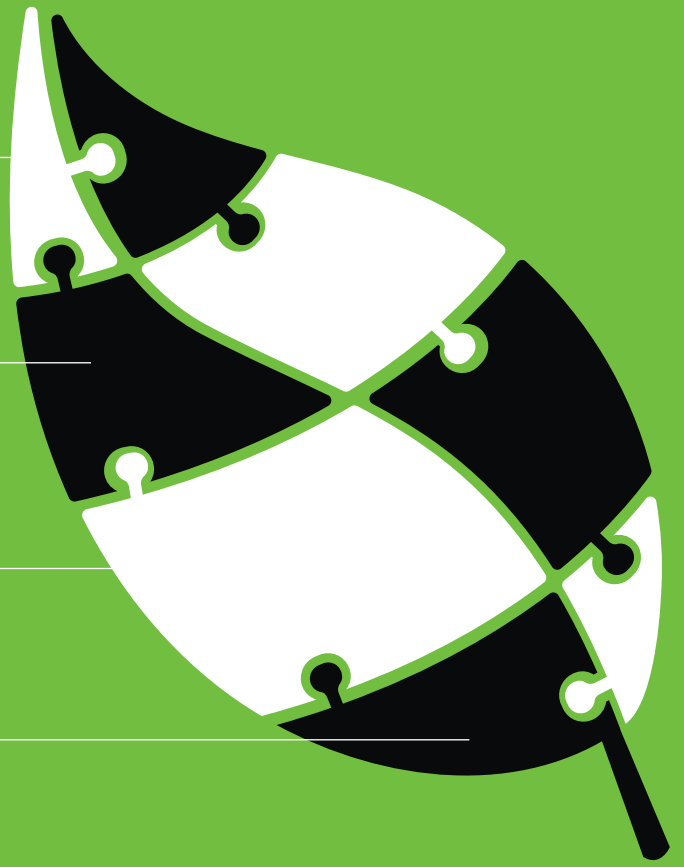
So what's next?

Outline

- Context
- Definition of DevOps
- How to fail at DevOps
- What's DevOps really about?



Definitions

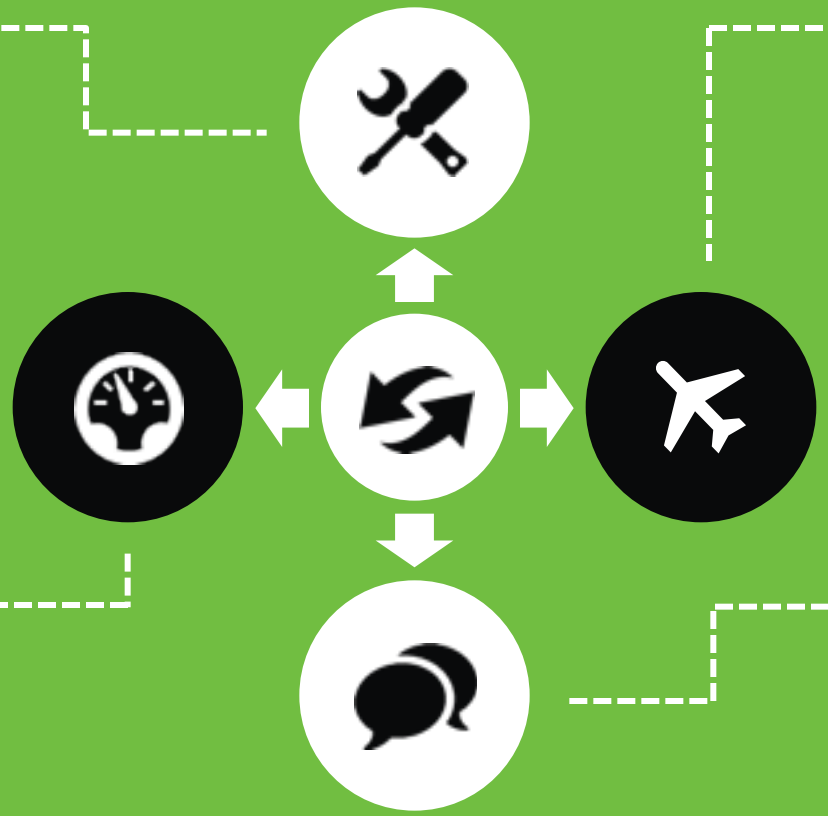
Who's who in DevOps

Continuous Integration

Team members integrate their work frequently. Commits are verified by automated builds and tests.

Continuous Deployment

Every change goes through the build/test pipeline and automatically gets put into production.



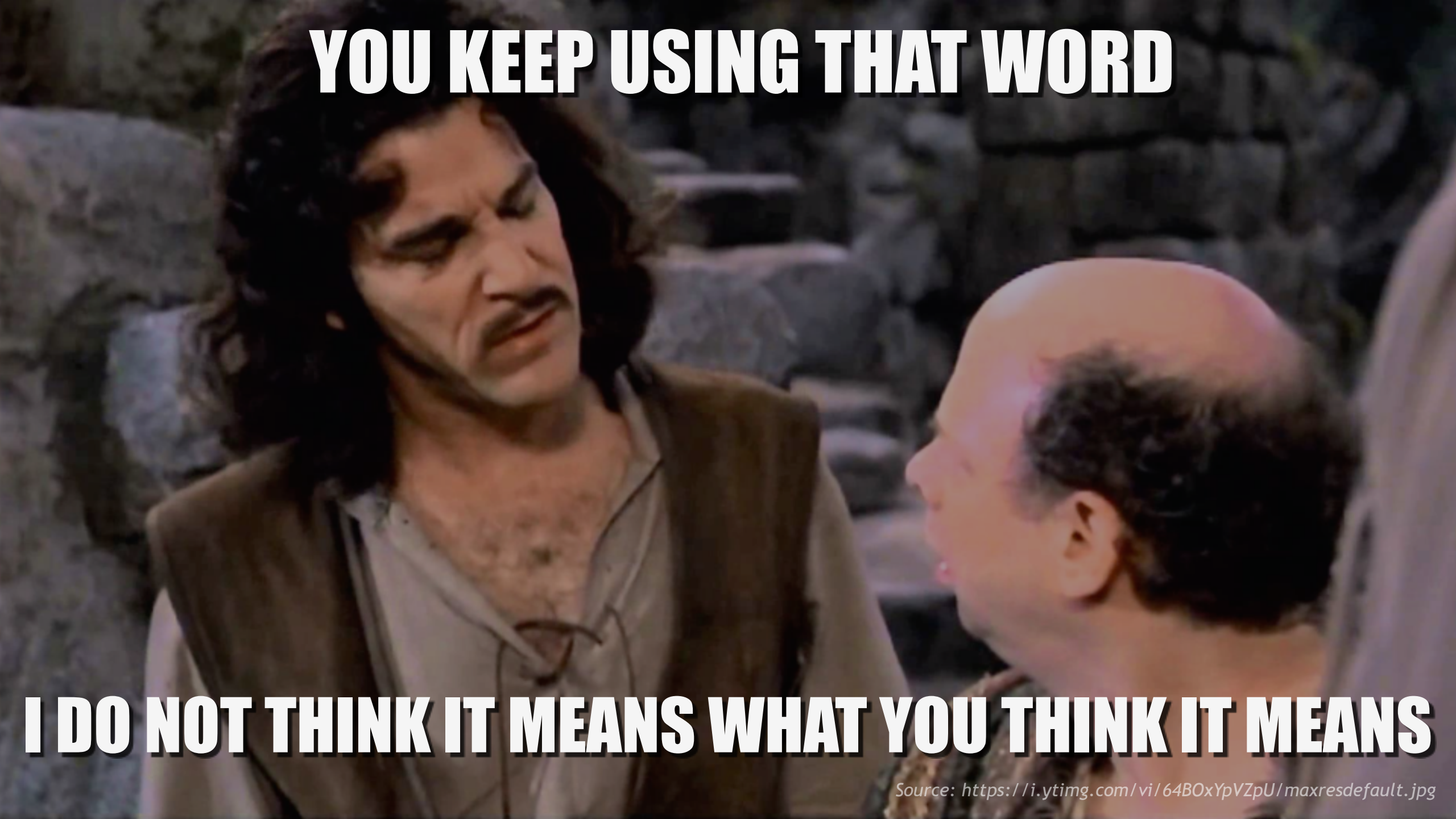
Continuous Delivery

Building and testing software in such a way that the software can be released to production at any time.

"Ship early, ship often, sacrificing features, never quality" - Kyle Neath

DevOps

?!



Source: https://i.ytimg.com/vi/64BOxYpVZpU/maxresdefault.jpg

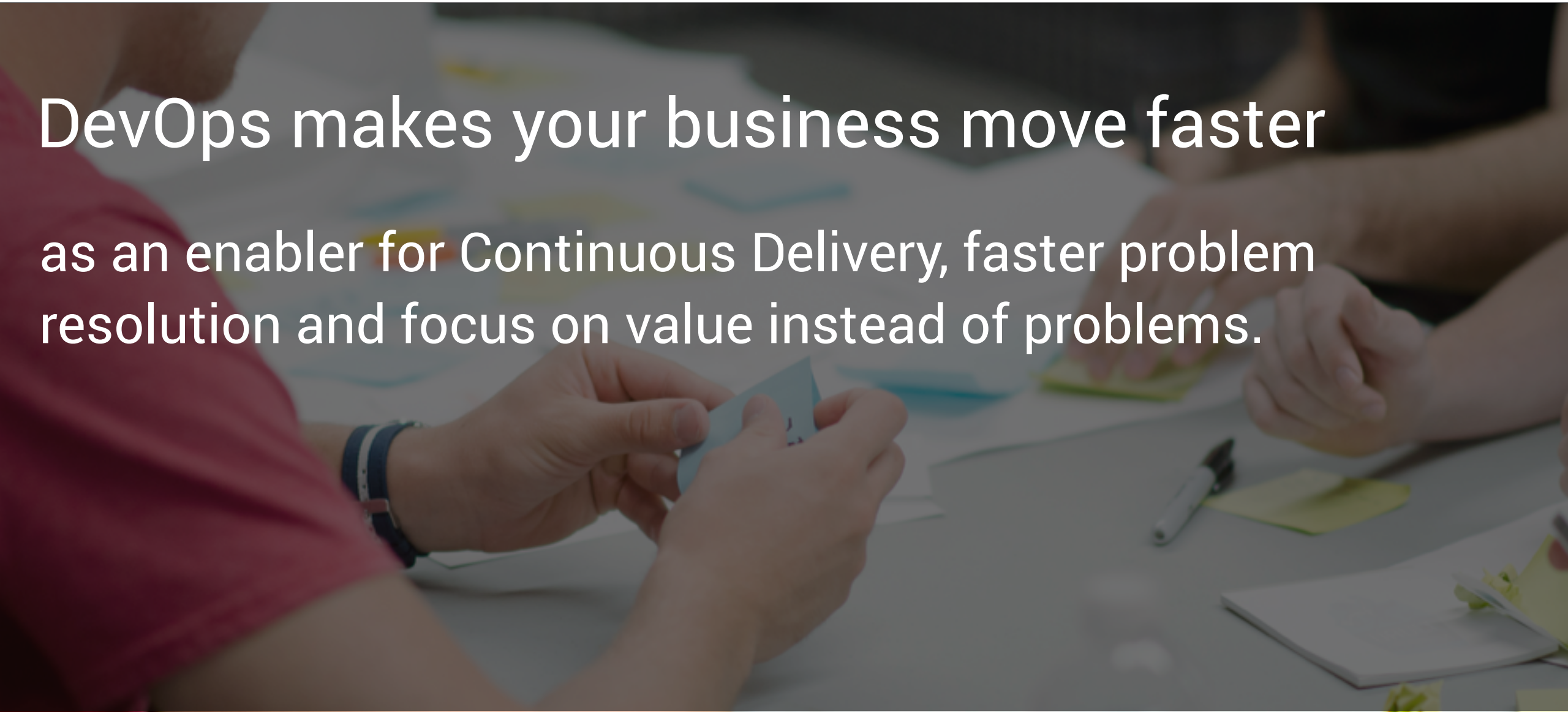
DevOps: a definition

DevOps: another definition

Developers and other IT professionals working together on a shared goal:

building and running better-quality software more quickly and more reliably.

Why DevOps?



DevOps makes your business move faster

as an enabler for Continuous Delivery, faster problem resolution and focus on value instead of problems.

Why DevOps?

DevOps is not about doing something new.
It’s about fixing a mistake from the past.

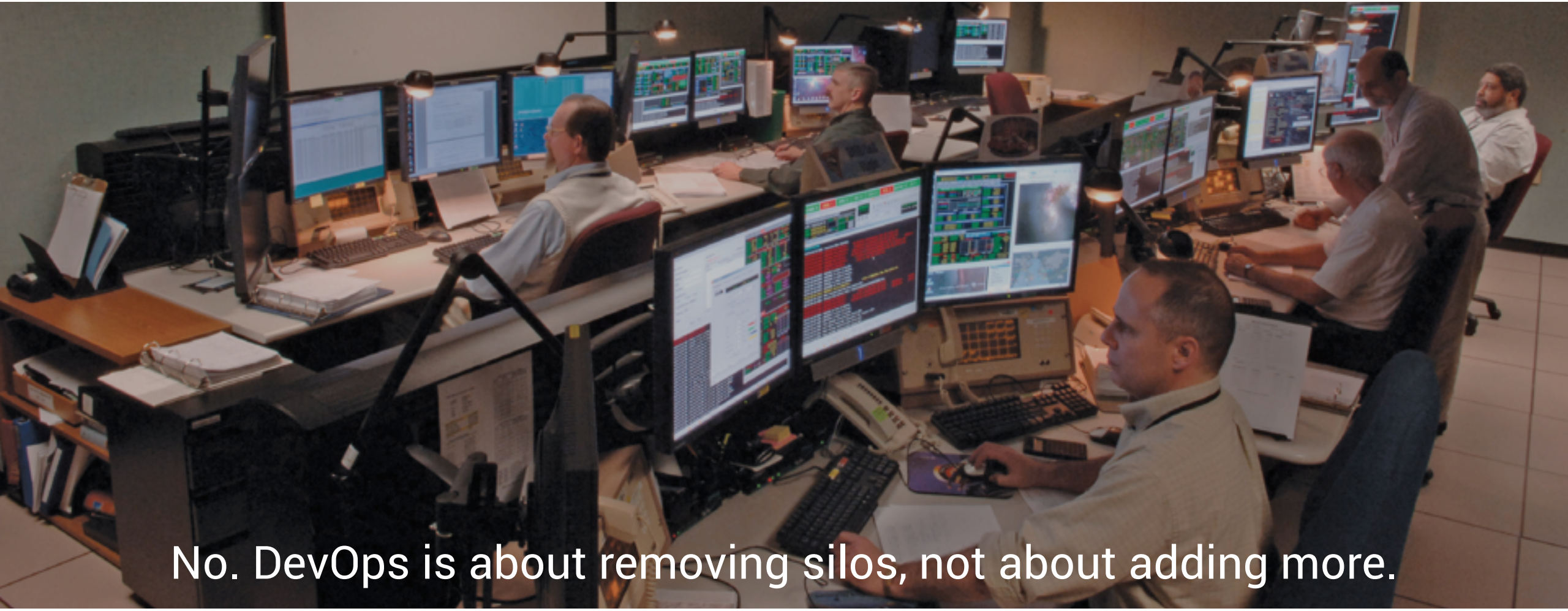
Ready for failure?
Photo: Dave Lehl

Failure 1

DevOps is the same thing as Continuous Delivery and Continuous Deployment

Failure 2

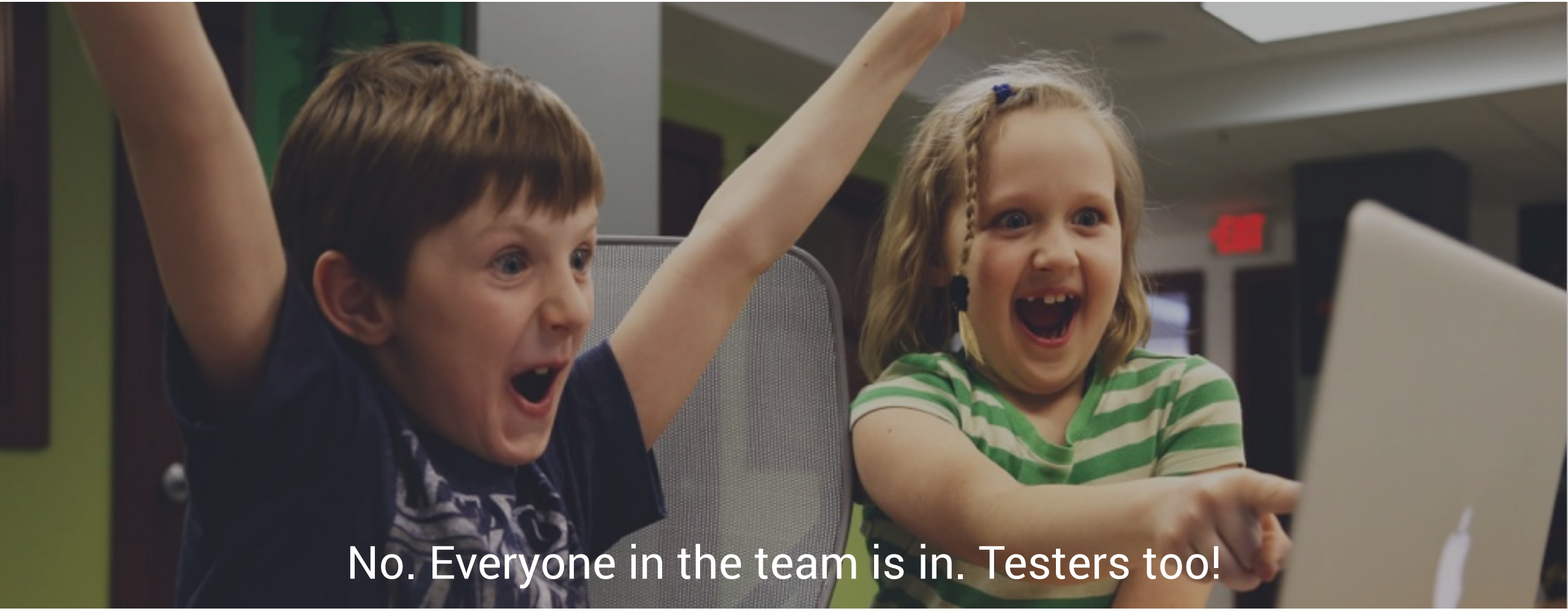
You need a central ‘DevOps team’ that handles all ops stuff



Source: http://www.nasa.gov/images/content/218652main_STOCC_FS_img_lg.jpg

Failure 3

DevOps is only for development and operations engineers



Failure 4

DevOps means developers managing production

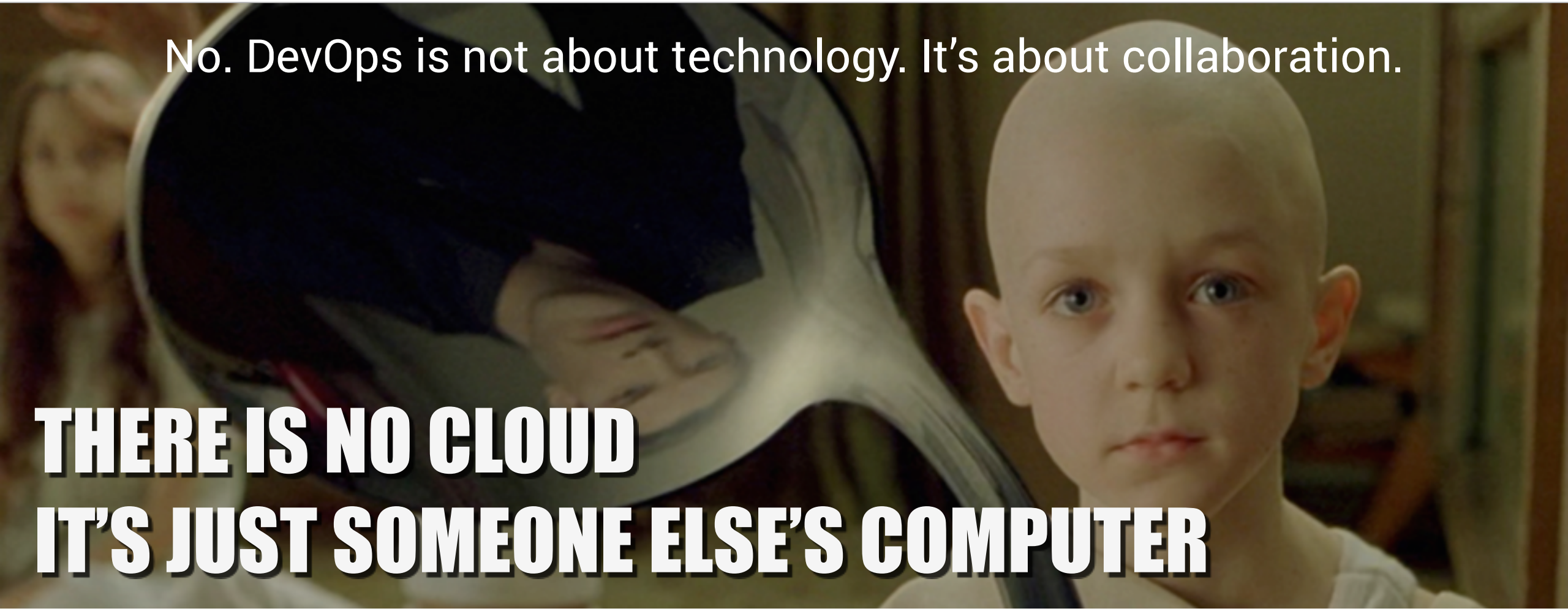
Failure 5

DevOps is only for hipsters, startups and unicorns

Source: http://attitudes4innovation.com/wp-content/uploads/2014/04/3683.Nubis_Team_May_2013.jpg

Failure 6

You need containers, microservices and ‘the cloud’ to do DevOps



Source: http://www.matrixfans.net/wp-content/uploads/2011/10/spoon-boy.jpg

Failure 7

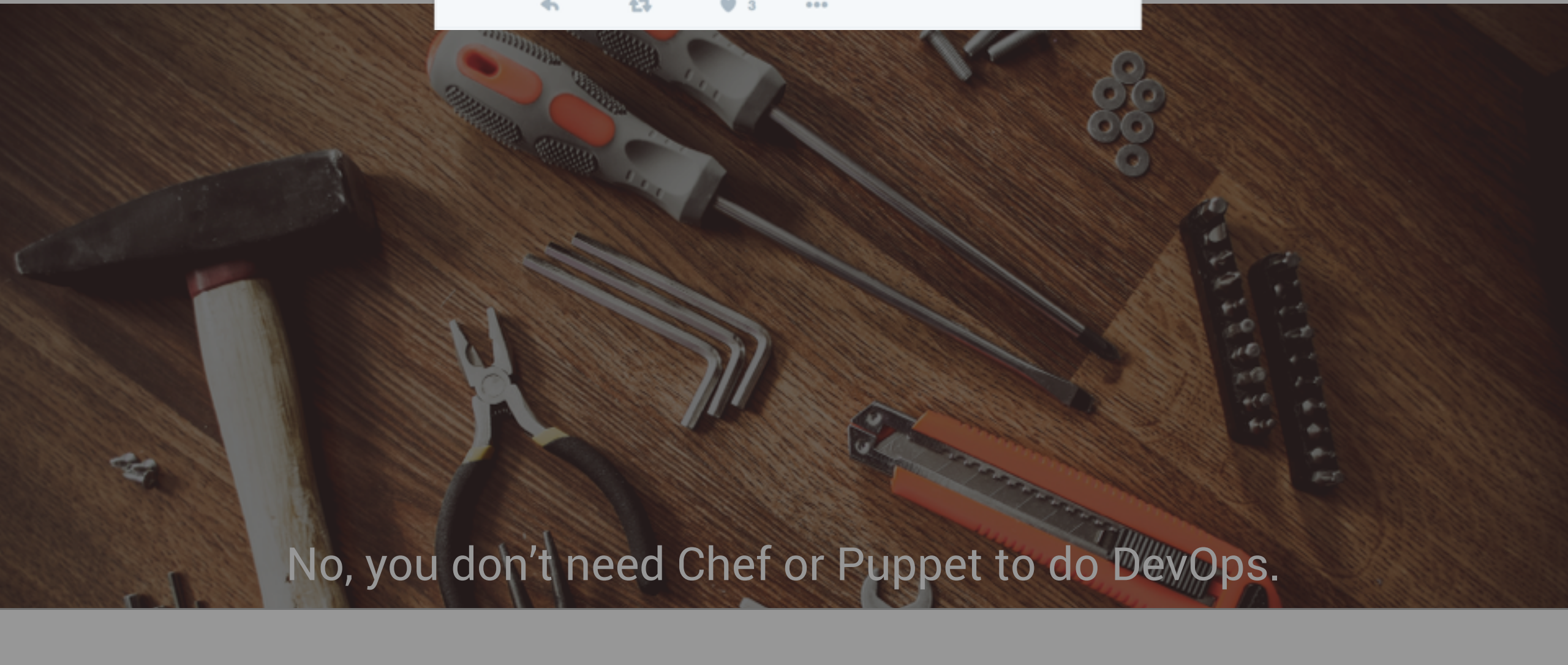
DevOps is about automation

No. Well, automation helps, but it’s not the main goal of DevOps.

Failure 8

DevOps is about tools

No, you don’t need Chef or Puppet to do DevOps.


Mark Heckler @MkHeck · Sep 8
Ahhhh...@bjschrijver just used one of my favorite quotes!
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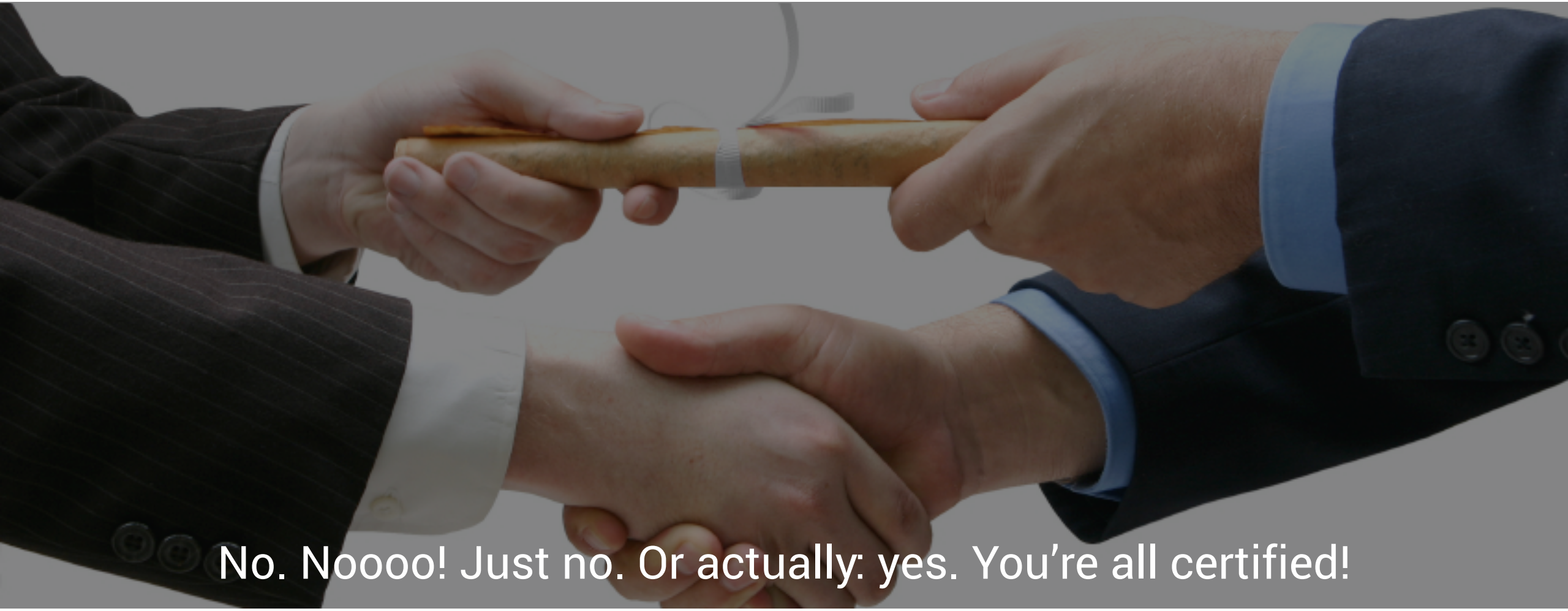
Mark Heckler @MkHeck · Sep 8
@bjschrijver No doubt! Great (& timeless) quote by @Grady_Booch...but yeah, sounds like a BA kind of thing too, depending upon context.
Grady Booch
@Grady_Booch
Following
@MkHeck @bjschrijver I pity the fool :-)
RETWEET
1
LIKES
3
11:24 AM - 8 Sep 2016
Reply to @Grady_Booch @MkHeck

Failure 9

DevOps is a job title - something you can be certified in



Source: http://blog.mrii.org/wp-content/uploads/2015/10/certified.png

Failure 10

DevOps replaces Agile

No. Agile is a way to develop software. DevOps has a broader goal.

Source: http://blogs.metageek.net/wp-content/uploads/2015/04/IMG_6967-1024x768.jpg

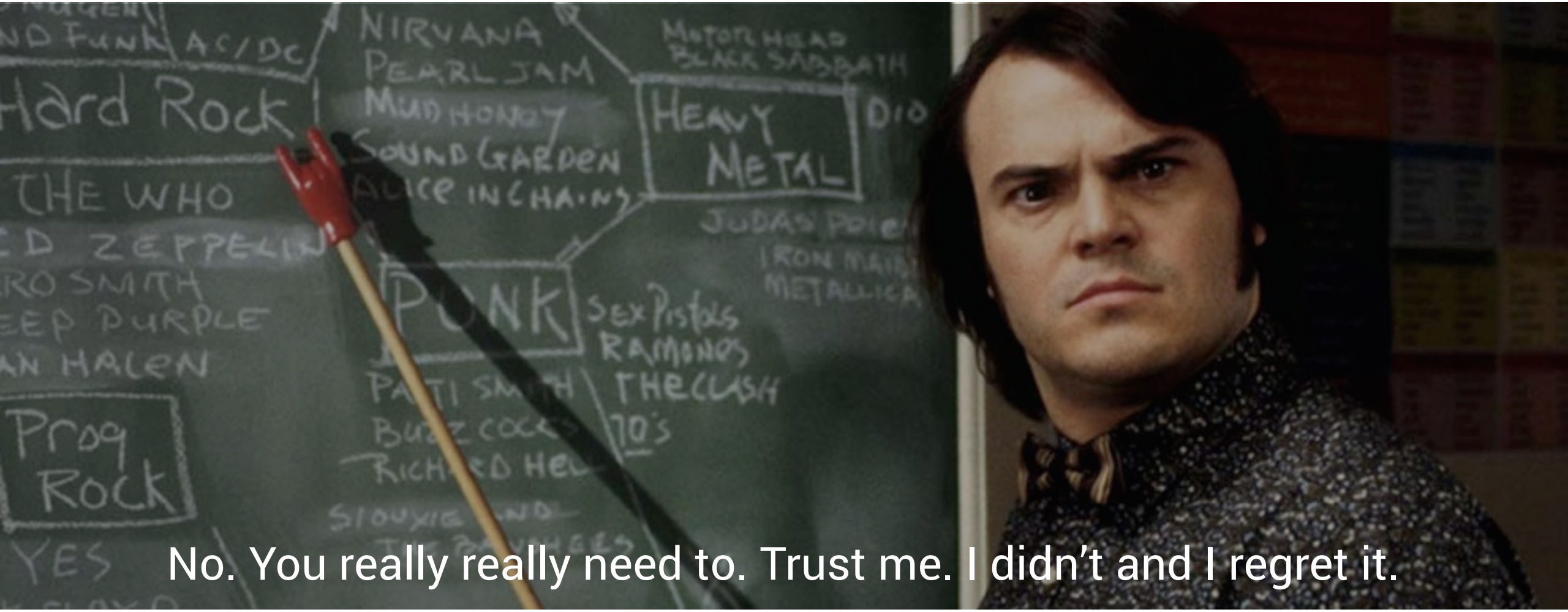
Failure 11

DevOps doesn't work with waterfall, Prince or ITIL

No. That's like saying "collaboration doesn't work with …"

Source: http://www.thewallpapers.org/photo/30981/4-3-2-waterfall.jpg

You don’t need to define what DevOps means to your organisation



Source: https://headguruteacher.files.wordpress.com/2013/02/screen-shot-2013-02-12-at-22-26-37.png

Failure 13

You can do DevOps without management buy-in

Source:http://cdn.ttgtmedia.com/visuals/ComputerWeekly/Hero%20Images/IT-management-CIO-fotolia.jpg

Failure 14

You can enforce DevOps in an organisation

No. You can never enforce cultural change.

Source: https://www.all4shooters.com/de/Bildergalerien/Pro-Zone/Enforce-Tac-2016

Failure 15

DevOps prevents failure

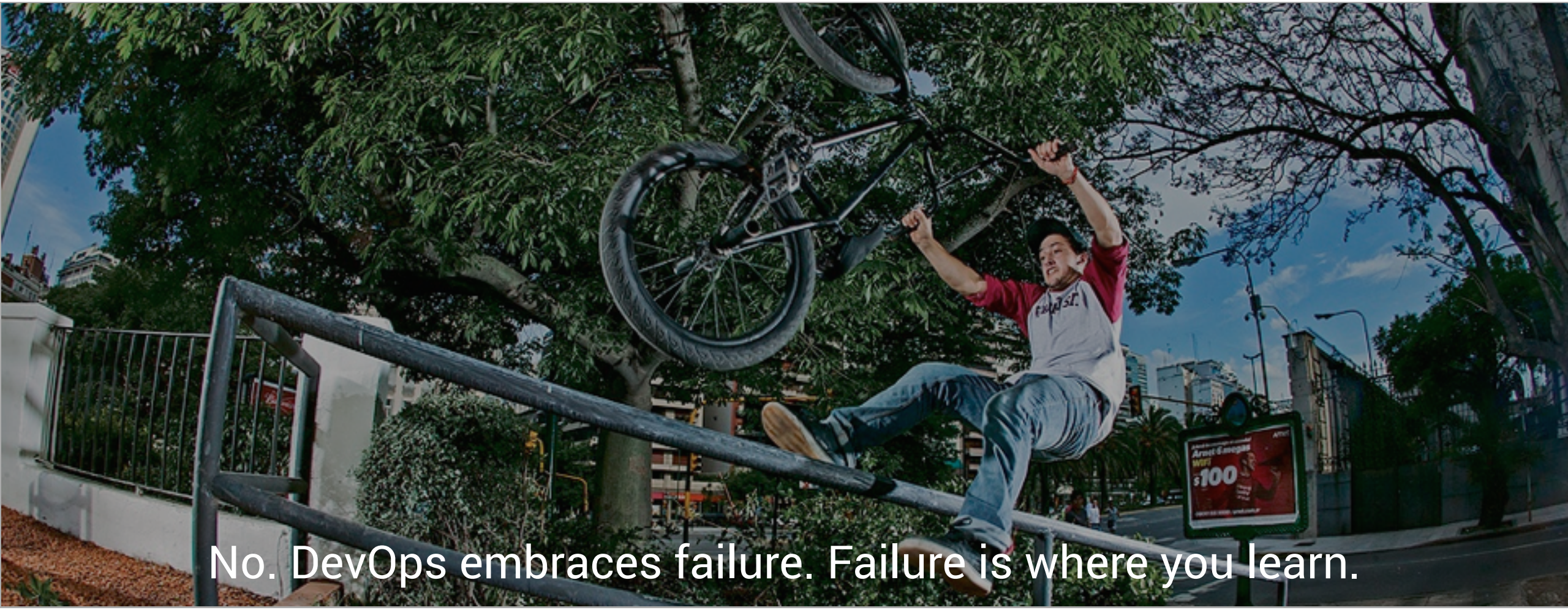
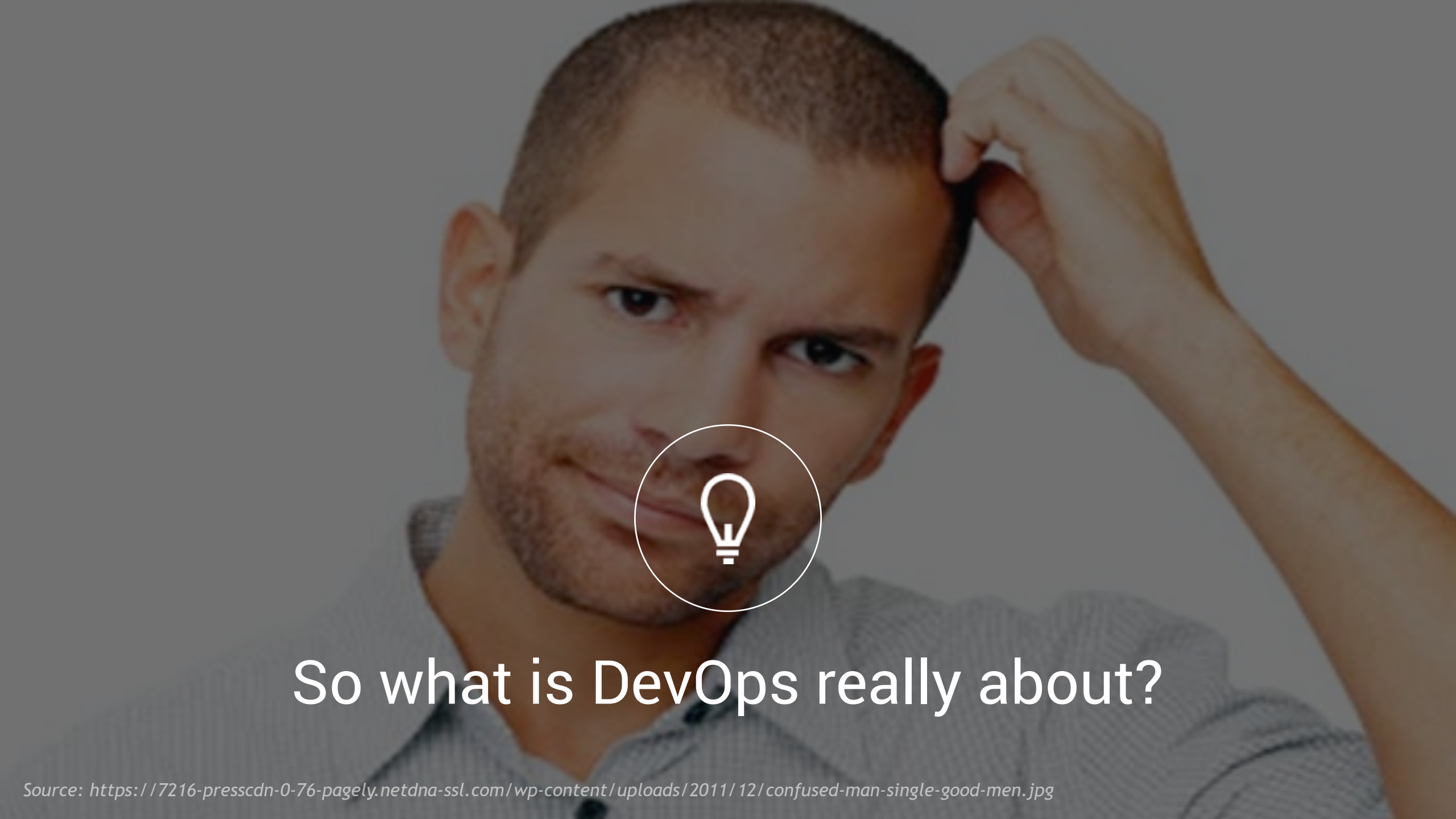


Photo: Andres Harambour



So what is DevOps really about?

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Source: http://www.azmc.org/wp-content/uploads/2012/11/Arts-and-Culture-Large.jpg

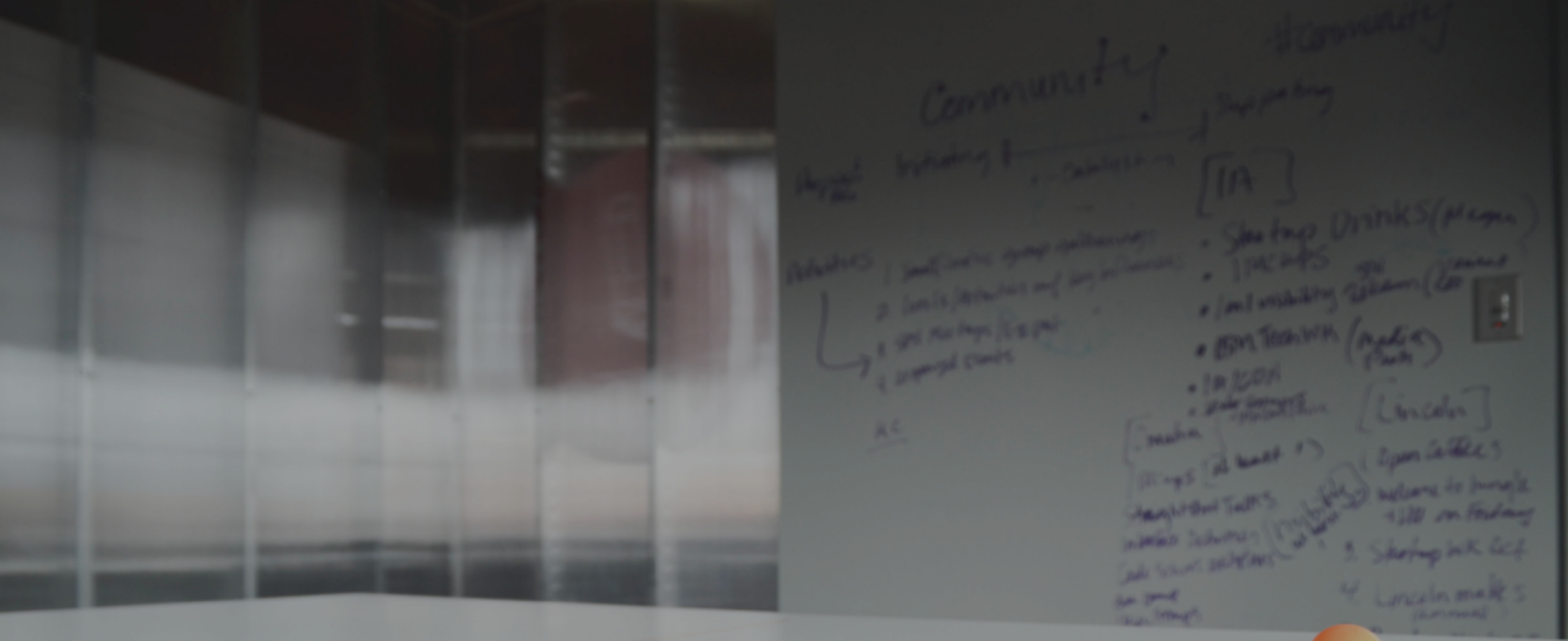
DevOps is about freedom and responsibility

Source: https://images.unsplash.com/photo-1449177009399-be6867ef0505

Source: http://www.scarymommy.com/wp-content/uploads/2014/06/empathy.jpg

Source: https://cdn2.vox-cdn.com/thumbor/J9OqPYS7FgI9fjGhnF7AFh8foVY=/148x0:1768x1080/1280x854/cdn0.vox-cdn.com/uploads/chorus_image/image/46147742/cute-success-kid-1920x1080.0.0.jpg

Questions?
@bjschrijver



Thanks for your time.

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@bjschrijver