



**Improve**  
QUALITY SERVICES

# DevOps: OMG of AHA?!

ICT Developer Day 30-05-2017

Berry Kersten



consult.



train.



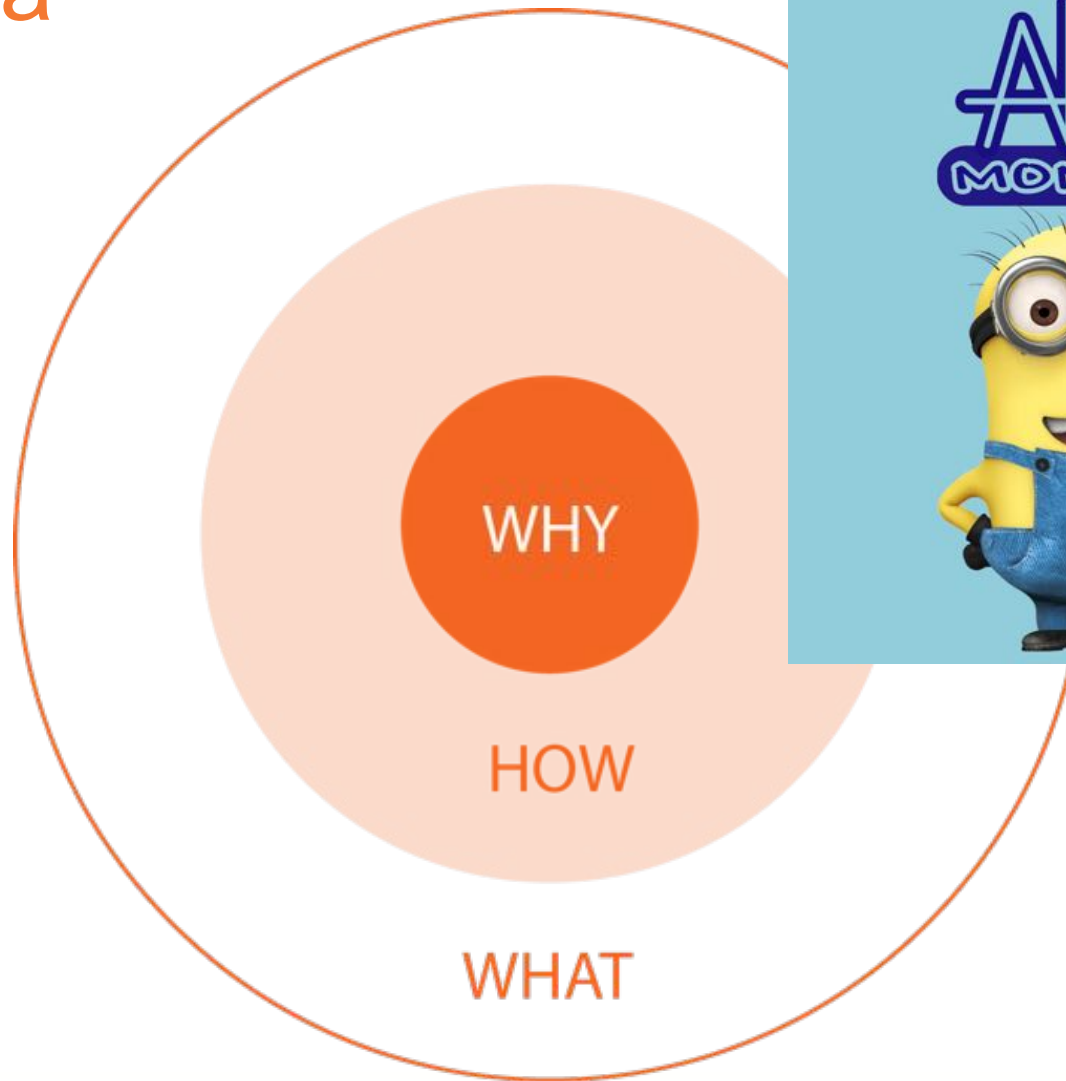
practice.

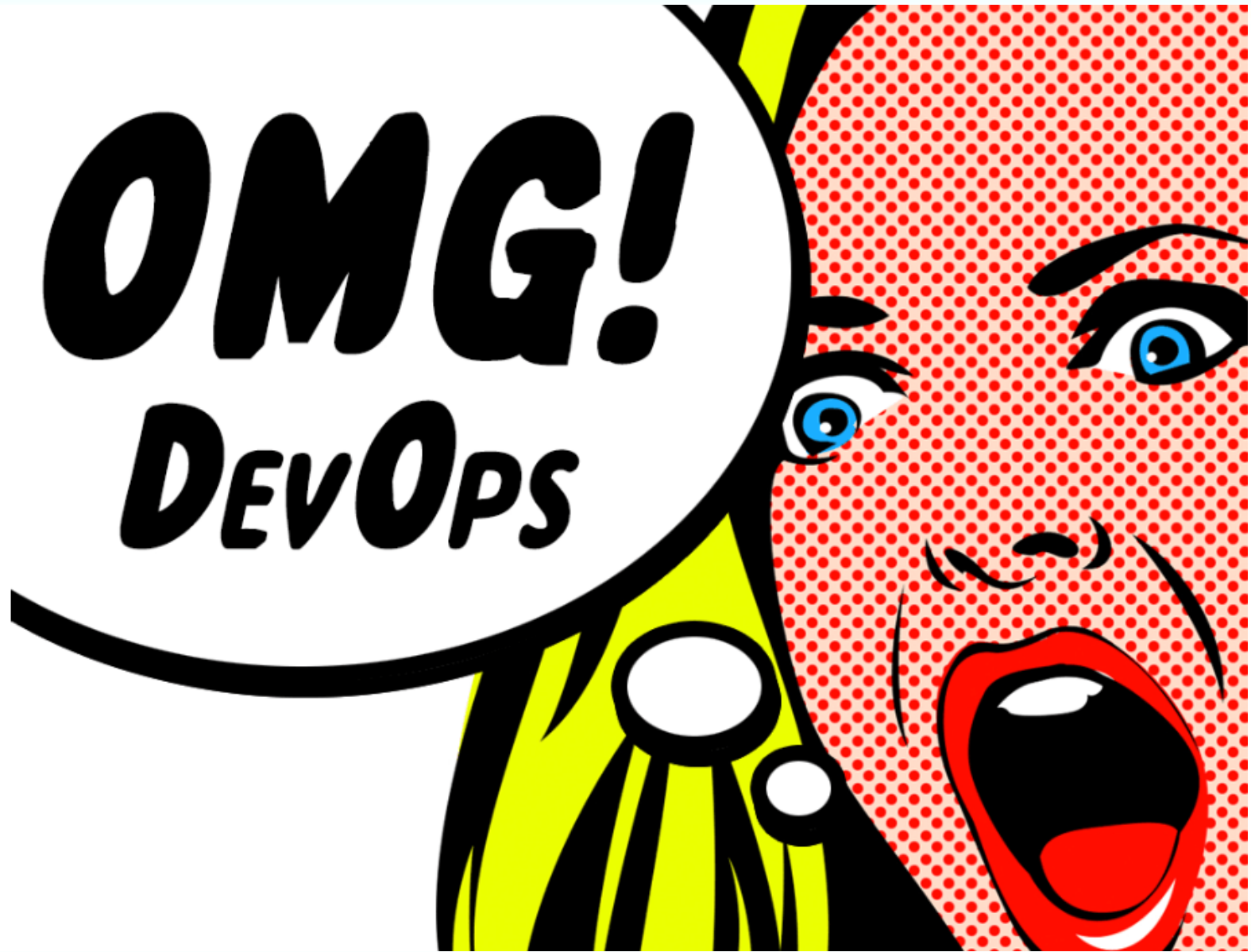
# DevOps is like teenage sex



**everyone talks about it,  
nobody really knows how to do it,  
everyone thinks everyone else is doing it,  
so everyone claims they are doing it...**

# Agenda

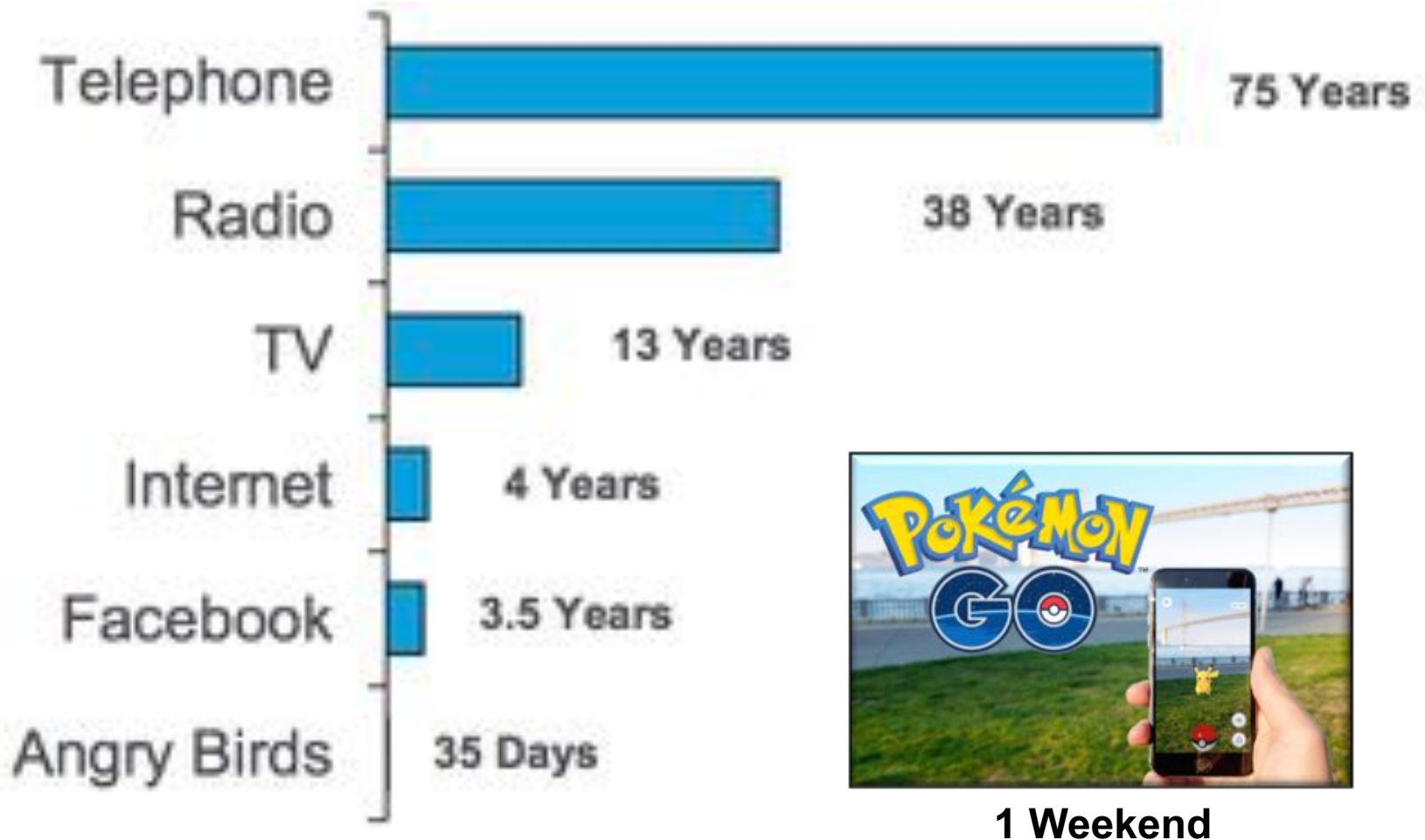




# WHY







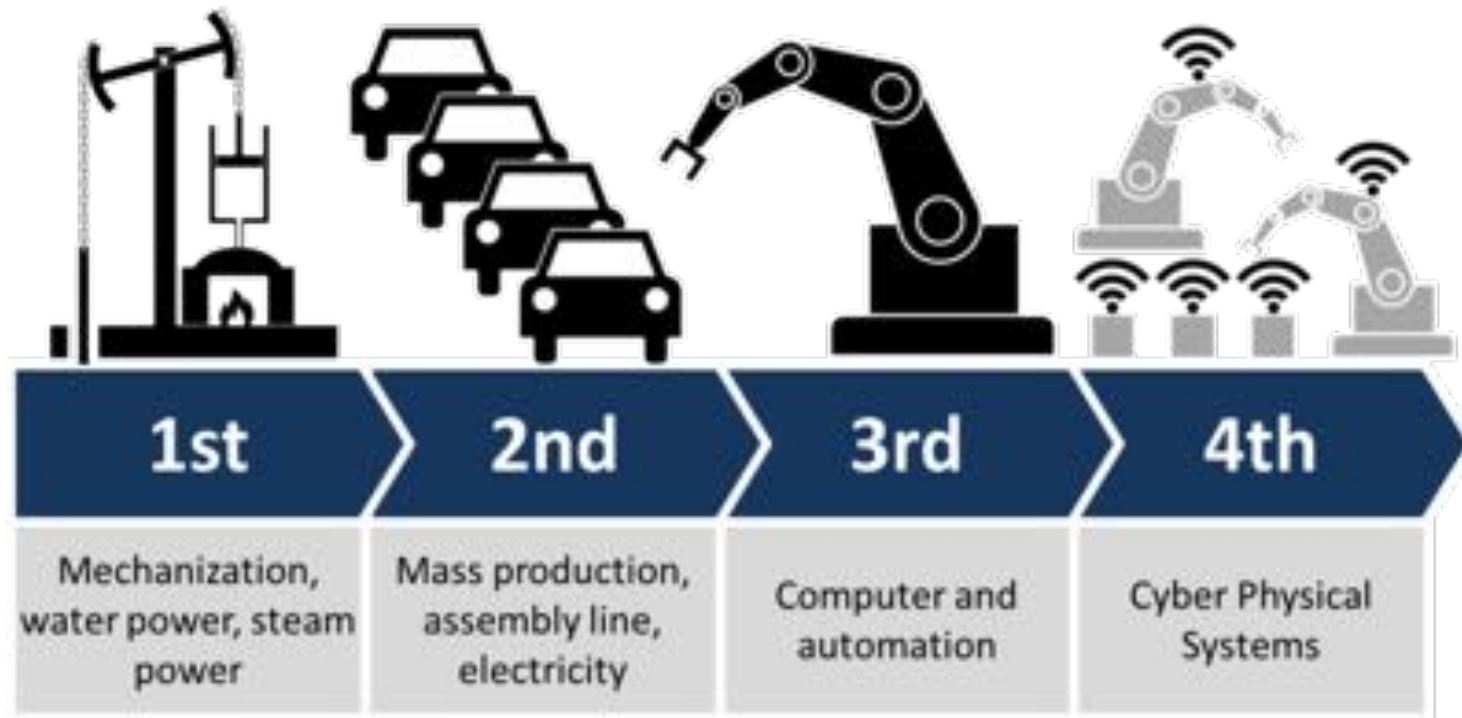
*ITU World Telecommunication Indicators Database*

**“The ever accelerating trend toward faster, cheaper, low-risk delivery of software”**



*Adrian Cockcroft, FlowCon 2013*





**“DevOps Will Underpin the Fourth Industrial Revolution”**



**It works on  
my machine!**

**Bureaucratic  
control**

**Fear of change**

**Risky  
deployments**

**Too little time to test,  
solution must go live**

**Too many  
business demands**

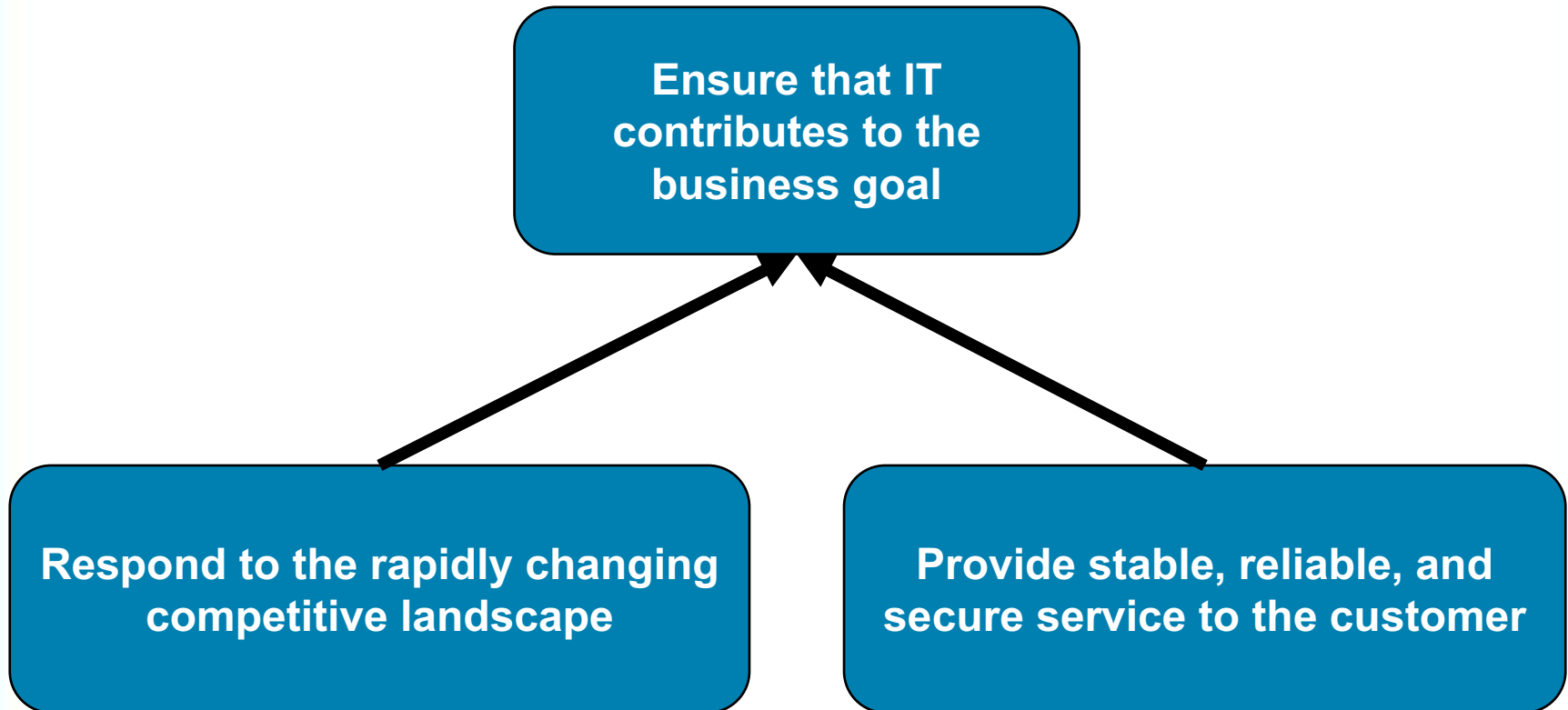
**I need a  
server, now!**

**Siloisation**

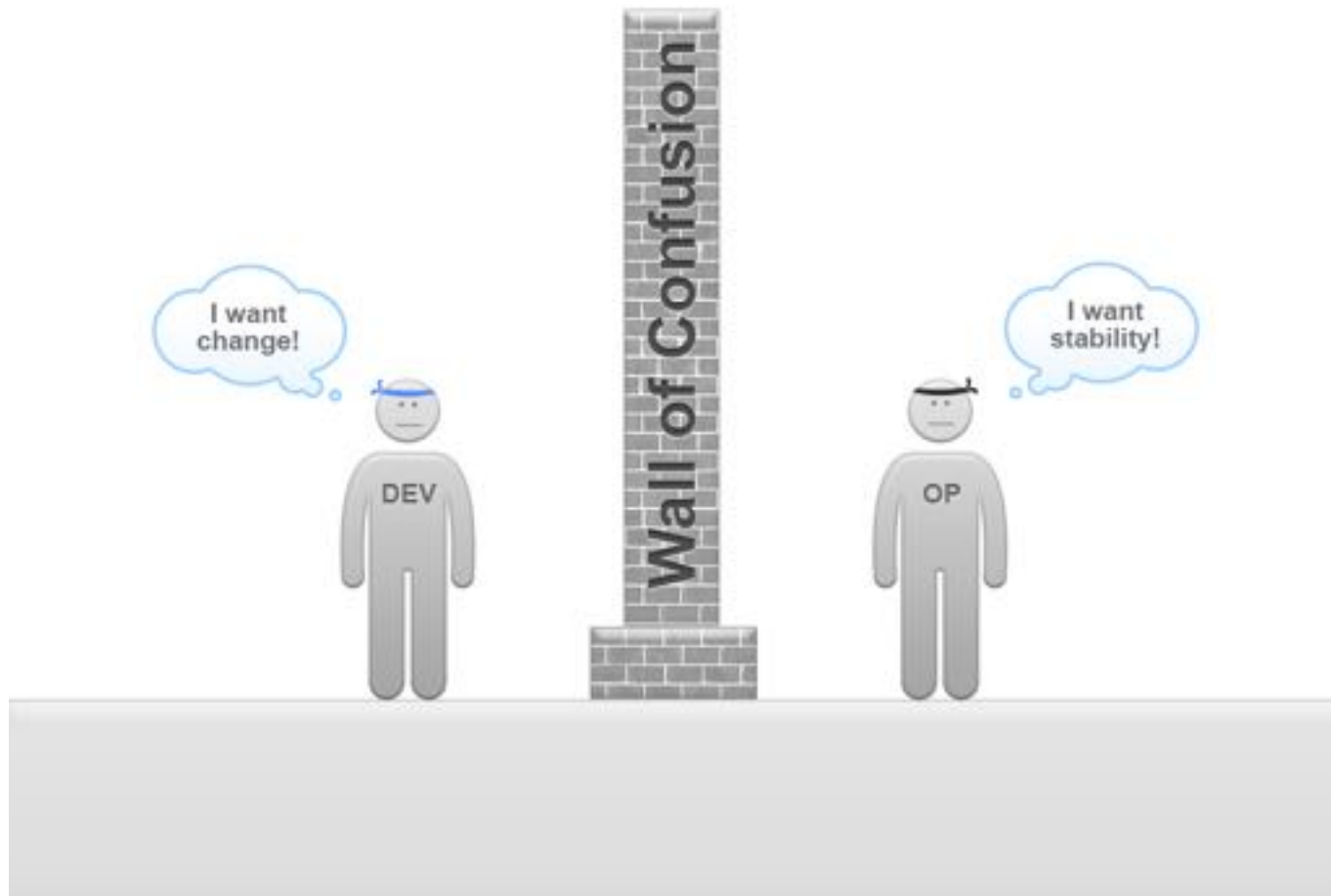
**Merge Hell**

**Unclear who is working  
on what and what  
has the highest priority**

# “The Core Chronic Conflict”



# “The Core Chronic Conflict”



# WHAT



# DevOps !=



Andrew Racine  
@AndrewRacine

#DevOpsIsNot just Dev and Ops



David Dworetzky  
@DavidDworetzky



Dev ops is not five guys with different copies of the same powershell script. #Devops #powershell



Jan Wiersma  
@jmwiersma



@mattstratton @patrickdebois #DevOpsIsNot a job title, something sold in a box or a tool you buy.



Victor Mrtez  
@AnInfinite

#DevOpsIsNot a methodology

# DevOps !=



Incident Commander  
@Cliffehangers



#DevOpsIsNot doing someone else's job, it's about empathizing with theirs and adapting yours



Clinton Wolfe  
@clintoncwole



#DevOpsIsNot making a new "devops" team and turning it into a new silo



Mike Preston  
@darkflib

@mattstratton #devopsisnot a silver bullet



Grant Smith  
@grjsmith

@mattstratton #DevOpsIsNot just Continuous Integration

# DevOps =



CIO Dive  
@CIOdive



Like barbecue and microbrew, DevOps is a cultural movement, Chef exec says



DOES17 San Francisco  
@DOES\_USA

#DevOps is a philosophy that has inspired many good practices to evolve @kaimarkaru @AXELOS\_GBP #does16



Dustin Collins  
@dustinmm80



#DevOps is not a revolution. We are simply pairing research with practical experience to point out the real revolution. Finding the truth.

# DevOps =



**Krishnaswamy Jayaram**  
@jayaram26

#Devops is CAMS #devopsdays Vancouver



**Ben Cotton**  
@FunnelFiasco



#ProTip 1: #DevOps is a journey of discovery not a destination. --@benr #LISA11

# DevOps = convergence of movements

- **Lean**
- **Agile**
- **Velocity Conference**
- **Agile Infrastructure**
- **Continuous Delivery**
- **Toyota Kata**
- **Lean UX**
- **Resilience Engineering / Rugged Computing**
- **.....**
- **DevOpsDays**



# DevOps = mindset

- I'm going to make a difference
- I'm going to cooperate and communicate
- I'm going to understand that in the business of delivering great software, we're all in it together
- Therefore, really contributing



# SO WHAT?



# WHO CARES?

# 2016 State of DevOps Report

High-performing teams deploy more frequently and have much faster lead times.



200x more frequent deployments



2,555x shorter lead times

They make changes with fewer failures, and recover faster from failures.



3x lower change failure rate



24x faster recovery from failures



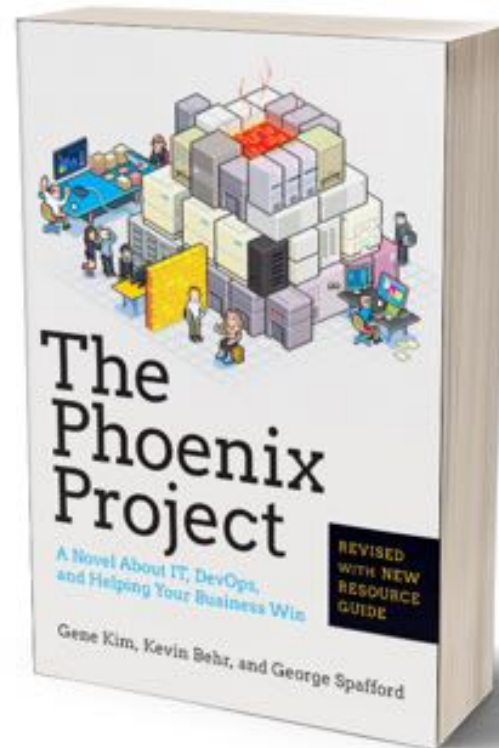
Less time spent remediating security issues



Less time spent on unplanned work and rework

# HOW

# The Three Ways

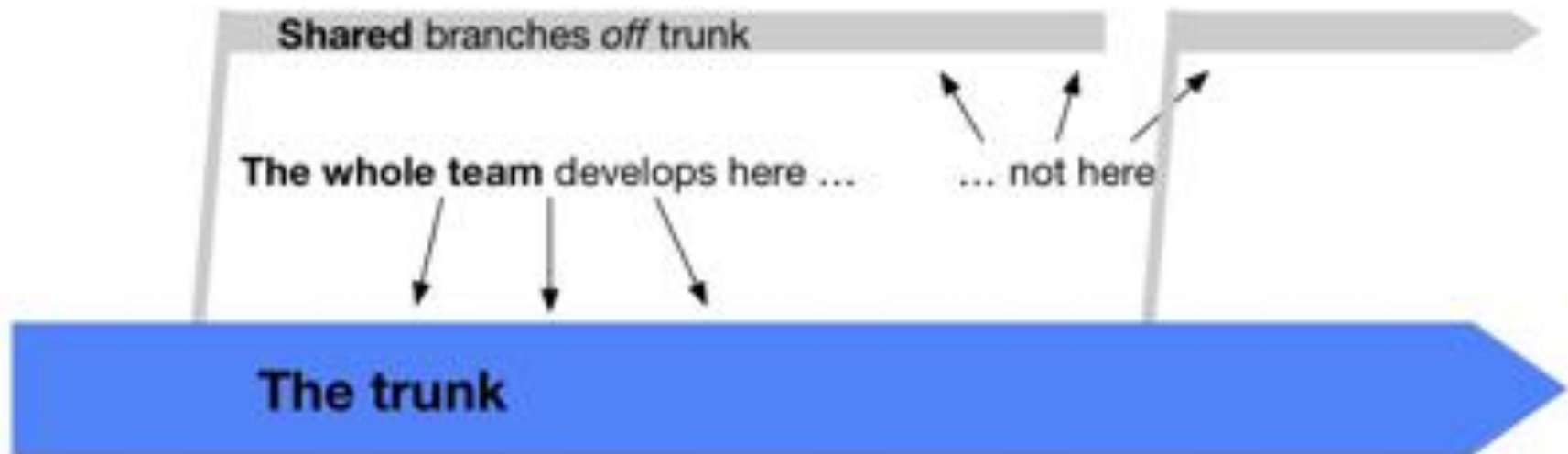




## The First Way: Systems Thinking

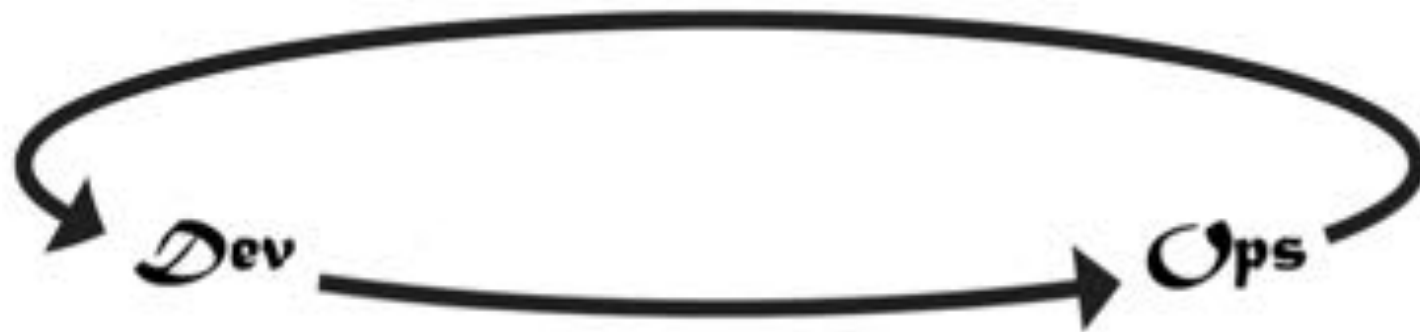


# Trunk-Based Development



[trunkbaseddevelopment.com](http://trunkbaseddevelopment.com)

## The Second Way: Amplify Feedback Loops

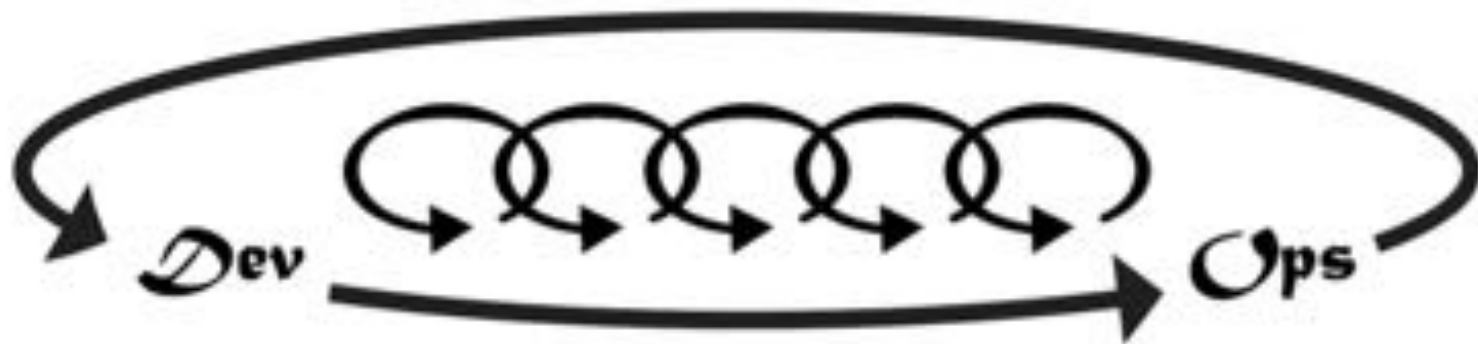


# measure everything



# and show the improvement

## The Third Way: Culture Of Continual Experimentation And Learning





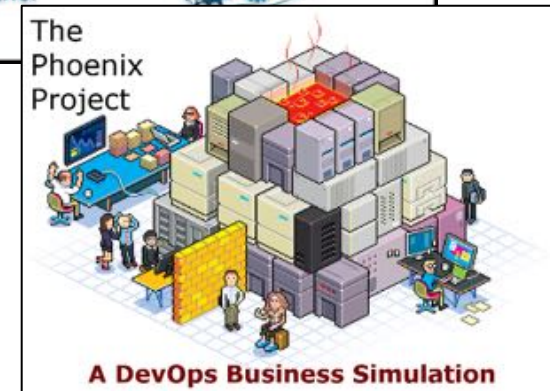
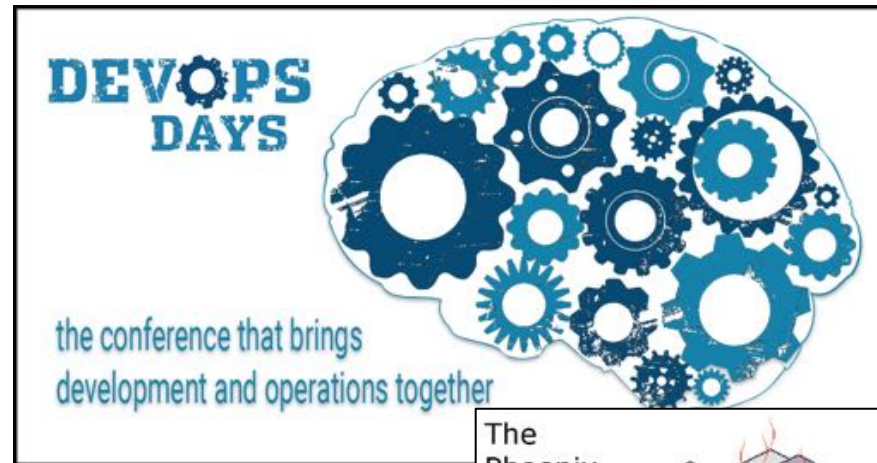
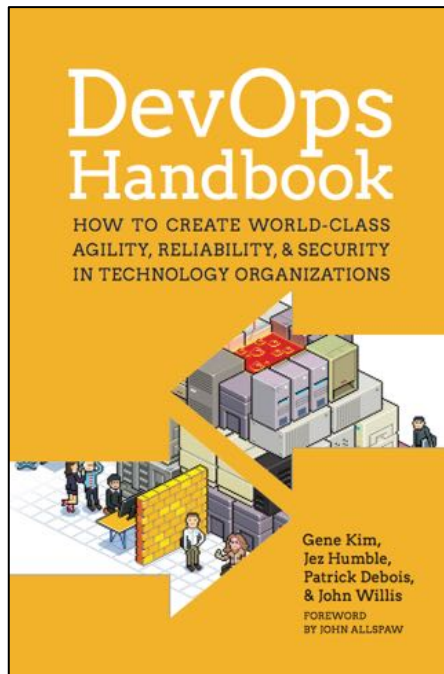


## DevOps mini-assessment



# Food for thought

28-30 juni, Amsterdam



# Bedankt!



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