



# DevOps for Everybody

Schlomo Schapiro

@schlomoschapiro

[go.schapiro.org/slides](http://go.schapiro.org/slides)

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08.03.2017 09:30 Mathias Brandt

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## "Statistisch gesehen": Arbeitsplatz-Killer Automatisierung



Maschinen und Algorithmen übernehmen immer mehr Jobs, aber noch ist unklar, wie viele Arbeitsplätze durch Automatisierung obsolet werden könnten. In einer Studie wird eine drastische Prognose formuliert, zeigt die Infografik von heise online und Statista.

20,5 Millionen Jobs – das entspricht 48 Prozent aller Arbeitsplätze – könnten in Deutschland automatisiert werden. Das geht aus einer Studie des Beratungsunternehmens McKinsey hervor. Davon bedroht

# So viele Jobs könnte die Automatisierung kosten

## Automatisierungspotential nach Branchen (in %)

Unterbringung & Gastronomie



Produzierendes Gewerbe



Logistik



Bergbau



Einzelhandel



Unternehmensdienstleistungen/  
Wissenschaftl. und tech. Dienstleistungen



## Automatisierungspotential nach Ländern (in Mio.)

Arbeitsplätze insgesamt

Automatisierbar



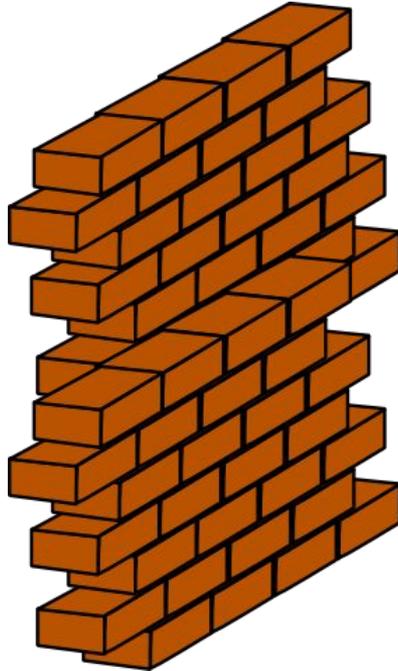
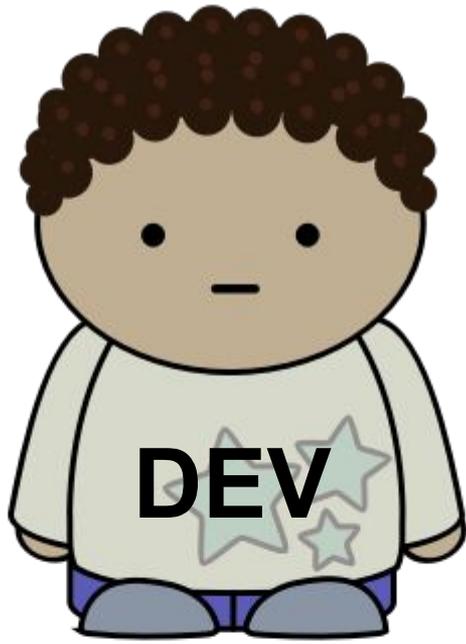
@Statista\_com

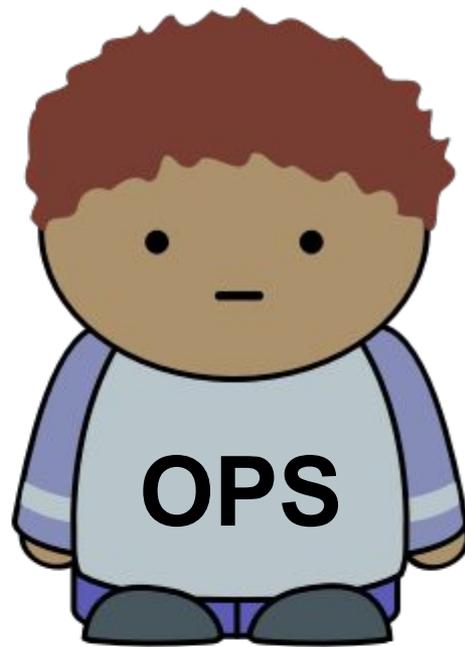
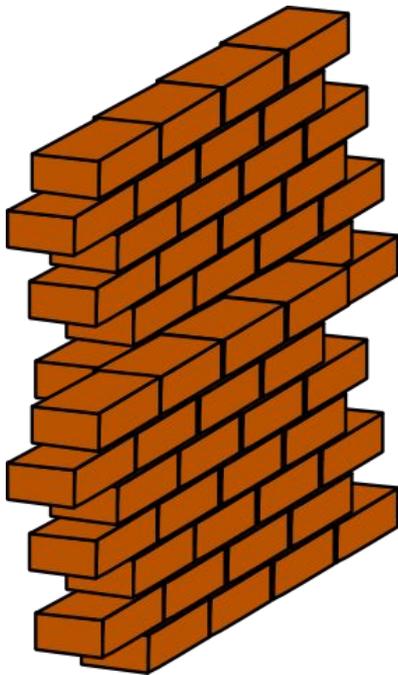
Quelle: McKinsey

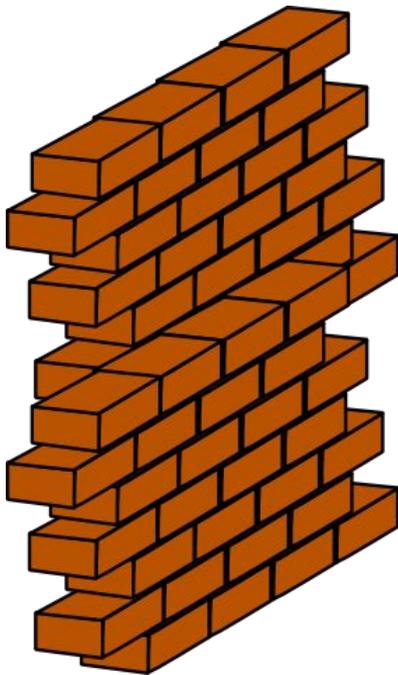
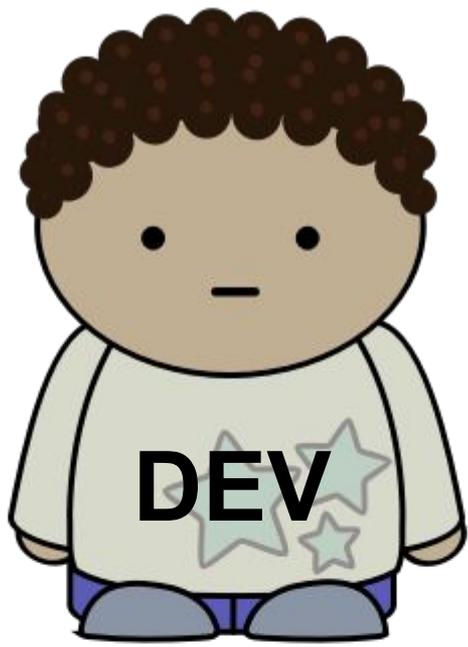


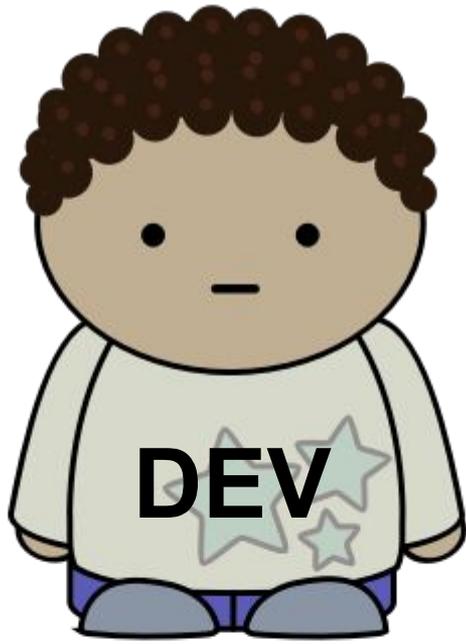
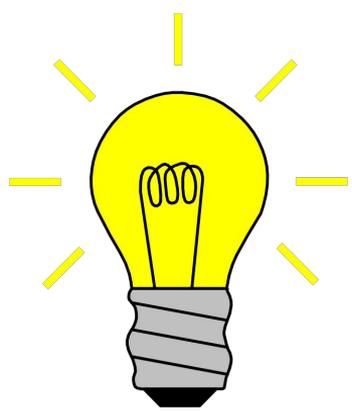
DevOps

*Once Upon A Time...*

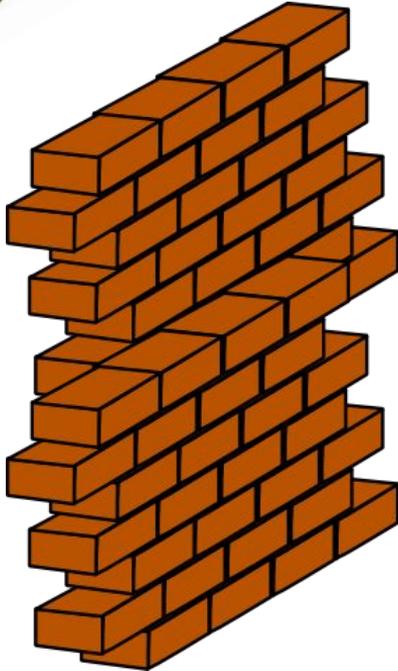


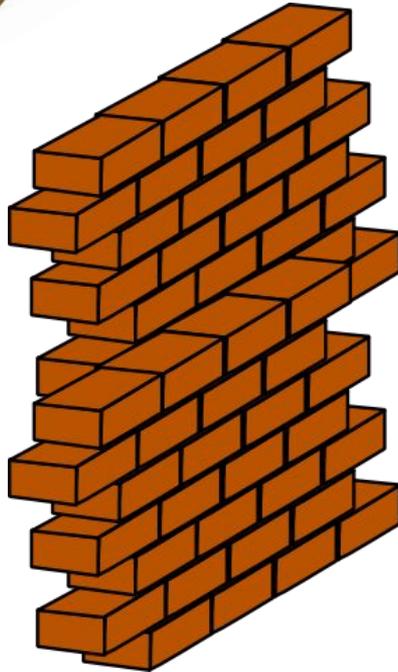
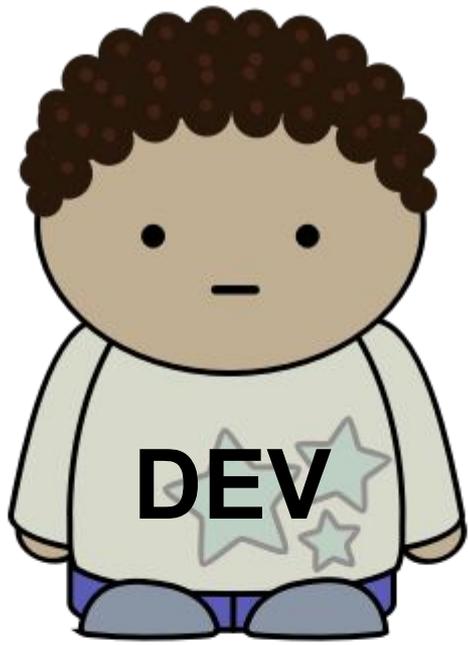






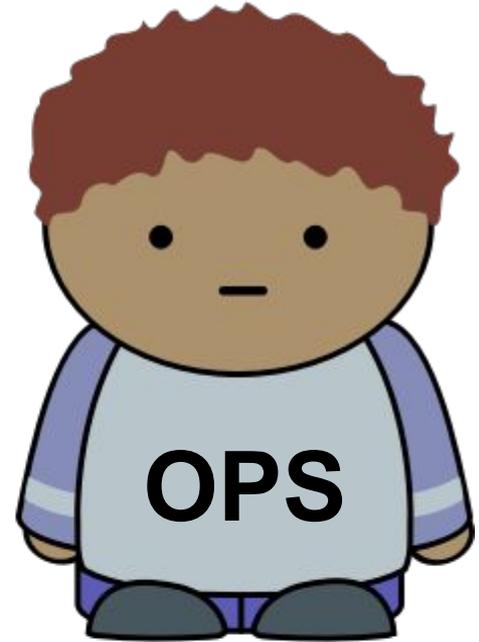
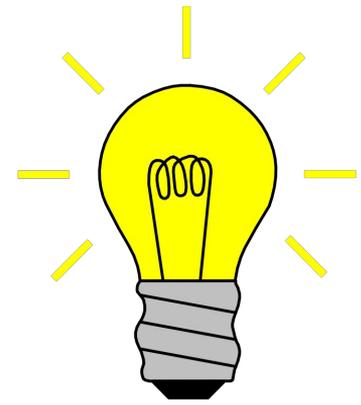
# Agile Methods in Software Development





# DevOps

Agile that  
works for **all** IT  
departments





DevOps  
is



birgitta hohenester / pixelio.de

Autonomous Teams  
Close Collaboration  
Shared Responsibility  
Automation

Christopher Schmidt / flickr



Steve Johnson / flickr

## DEVOPS RESULTS

Continuous Integration & Deployment

New features **and** stable operations

Mutual respect and understanding

Devs care about operational concerns

Ops actually do software development

Ops can plan their work

Faster innovation cycles

“Student exchanges” between Dev and Ops

Ops providing Services and Appliances

On call for everybody or Ops-as-a-service

You build it - You run it

Much less unreasonable demands

Automation for systems level stuff

Kanban / Agile in Ops

Infrastructure as Code

Better quality and higher satisfaction

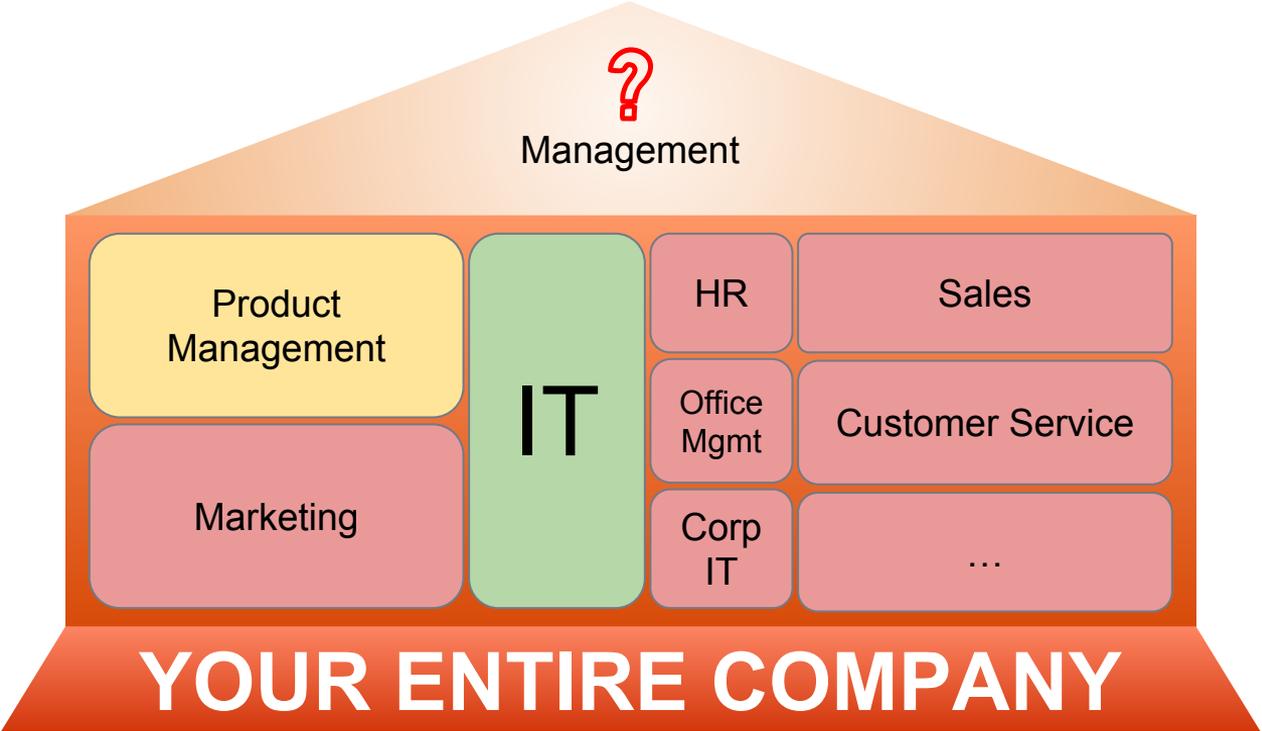
Better understanding of responsibilities

Everybody has root access

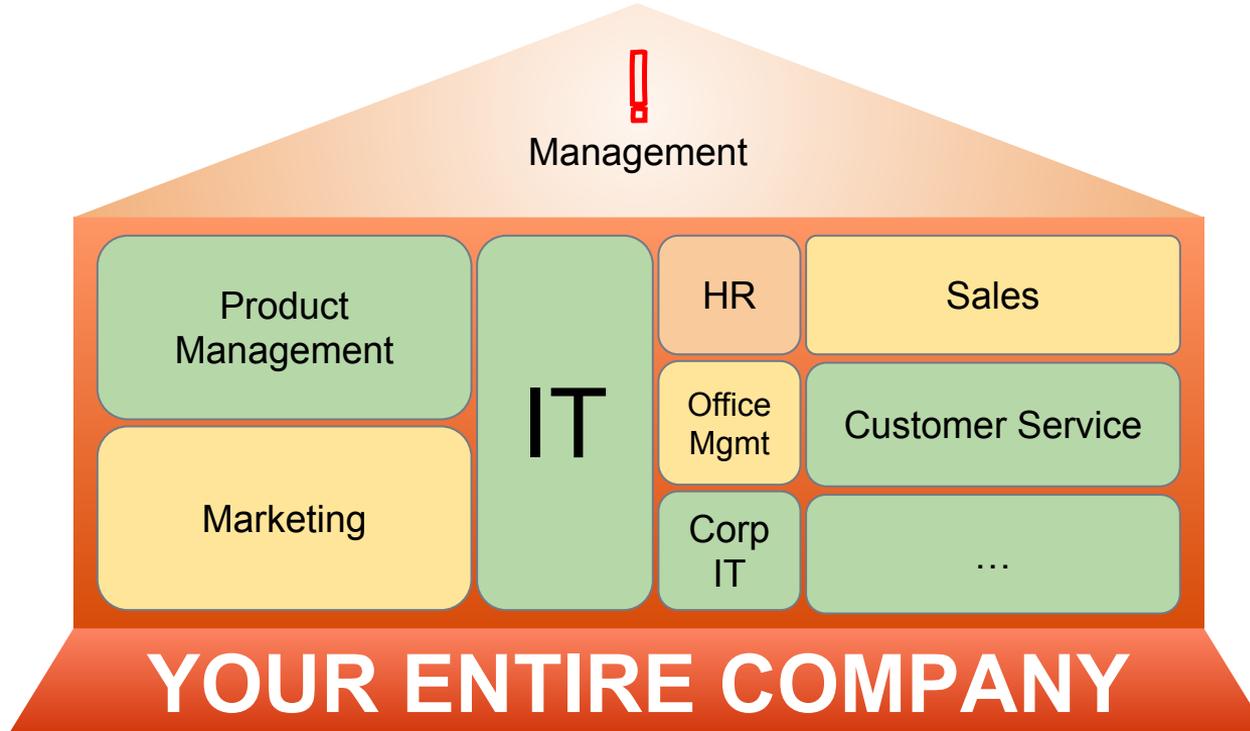
DEVOPS IS ABOUT...

*People*

**AGILE BIG PICTURE - THERE IS MUCH MORE PEOPLE THAN JUST IN IT**



## AGILE GOAL



## WHY BOTHER?

Agile & DevOps is “proven” good for IT

→ all the company should benefit from these ideas

Close collaboration & shared responsibility

→ everybody would benefit from that

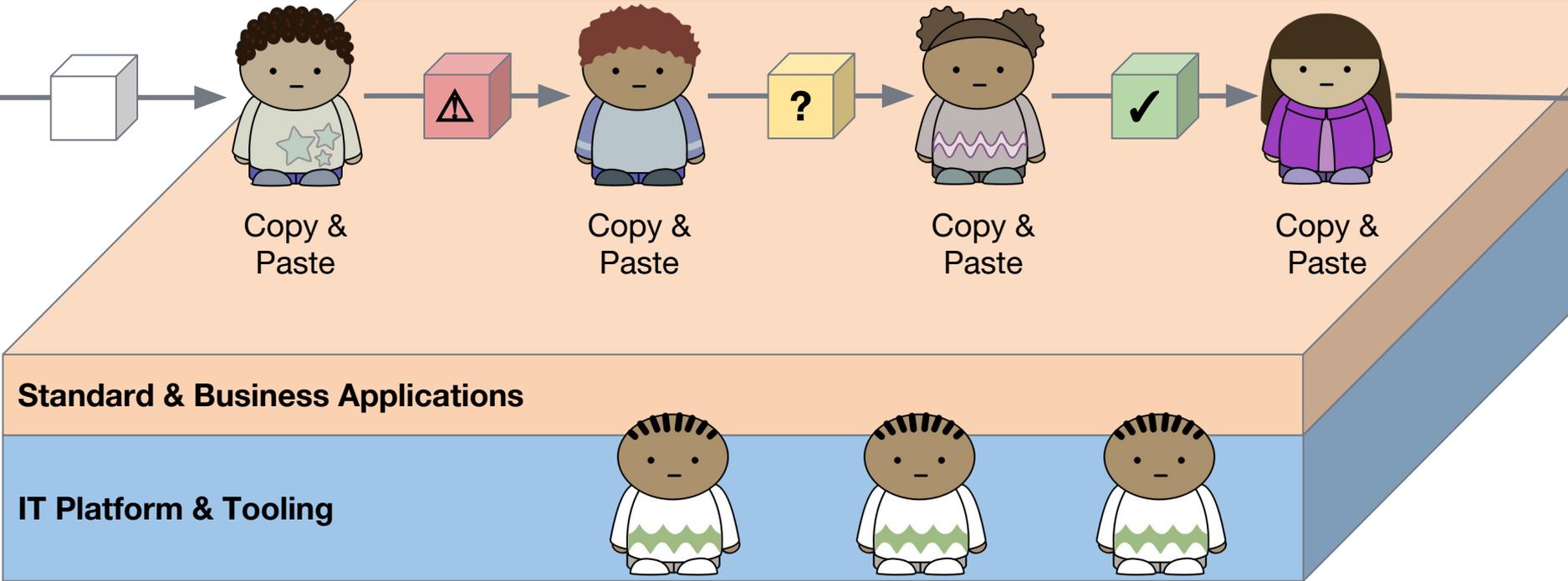
Automate or be gone

→ will be much worse for non-IT workers

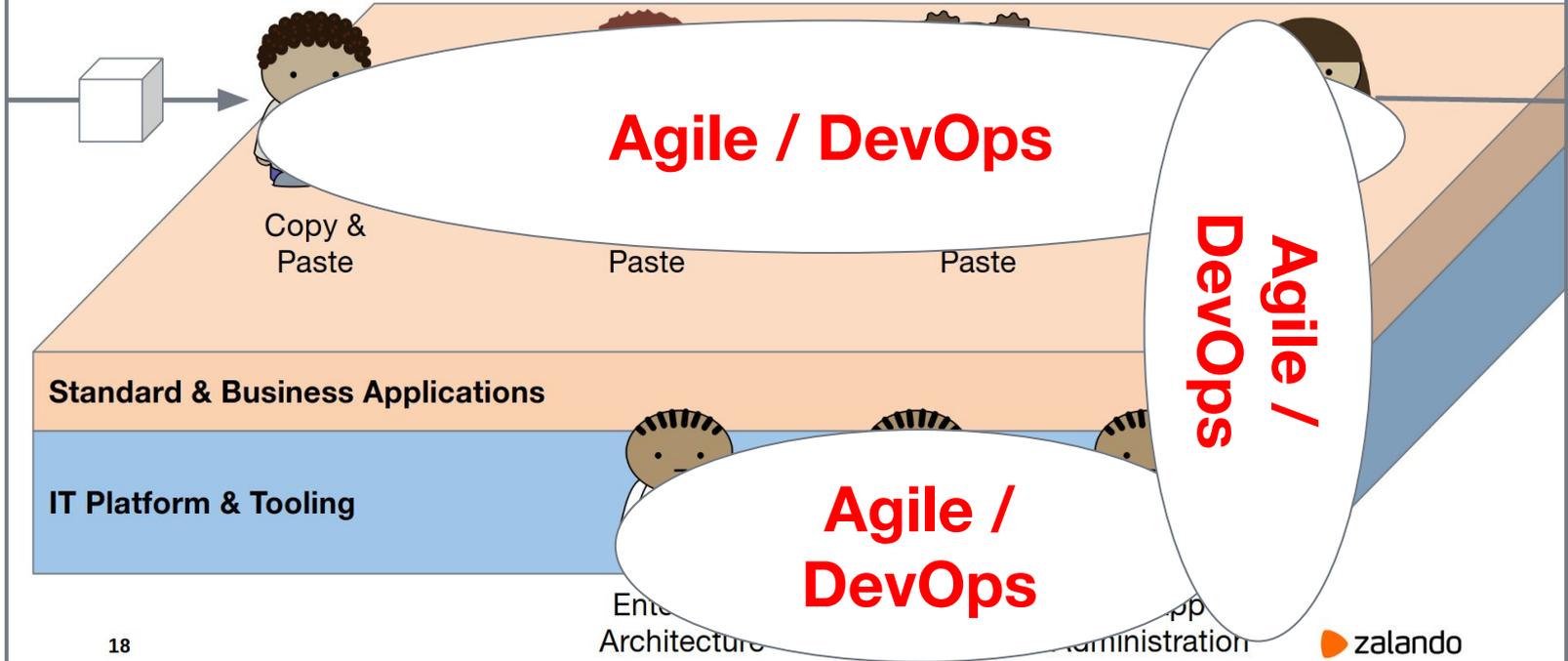
DevOps: using technology to change culture

→ will also work for entire the company

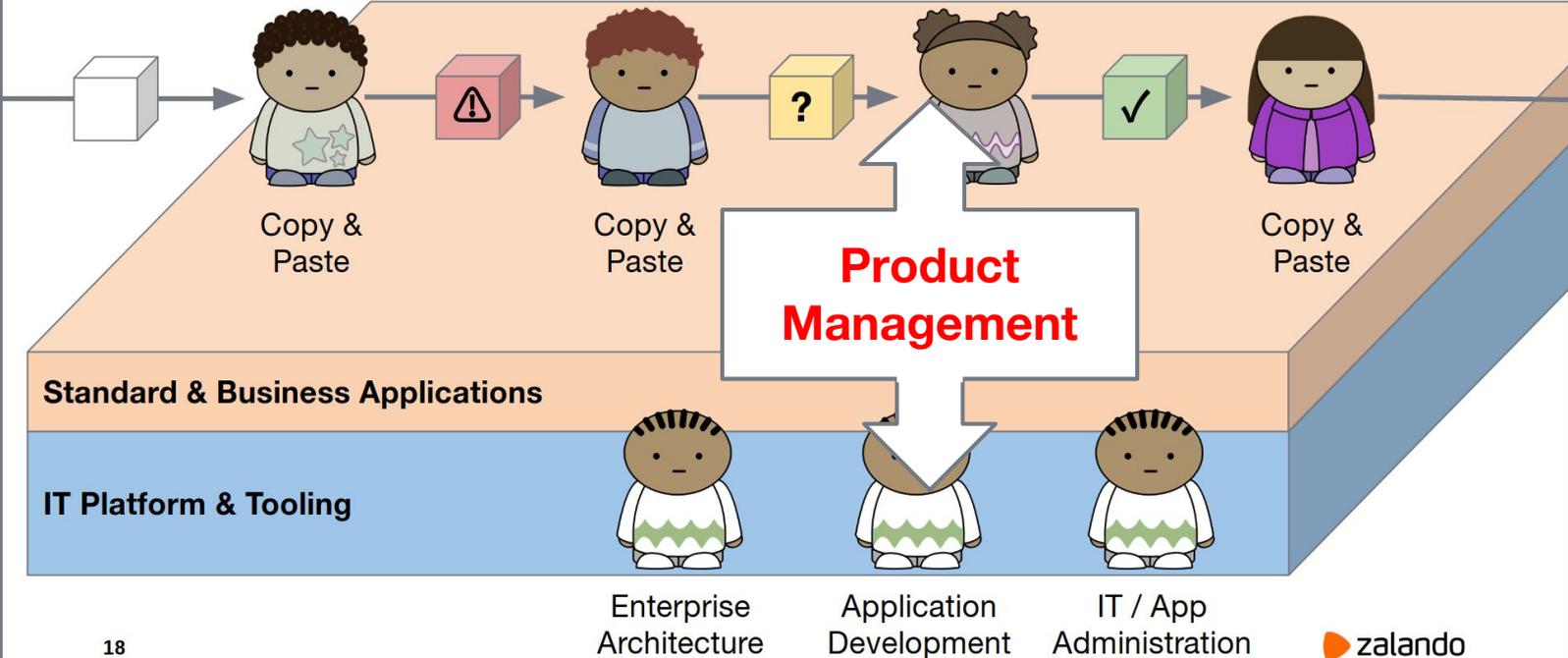
# DIGITAL PLATFORM - MANUAL LABOR



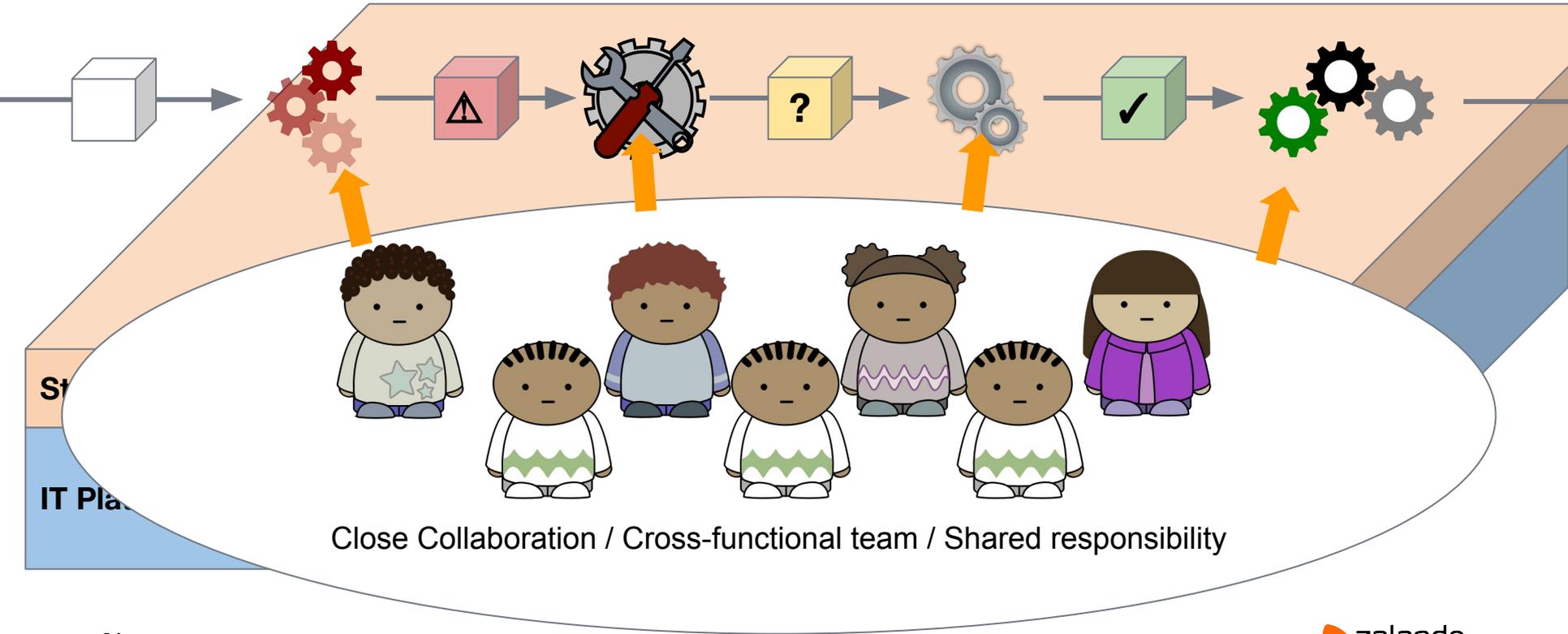
DIGITAL PLATFORM - MANUAL LABOR



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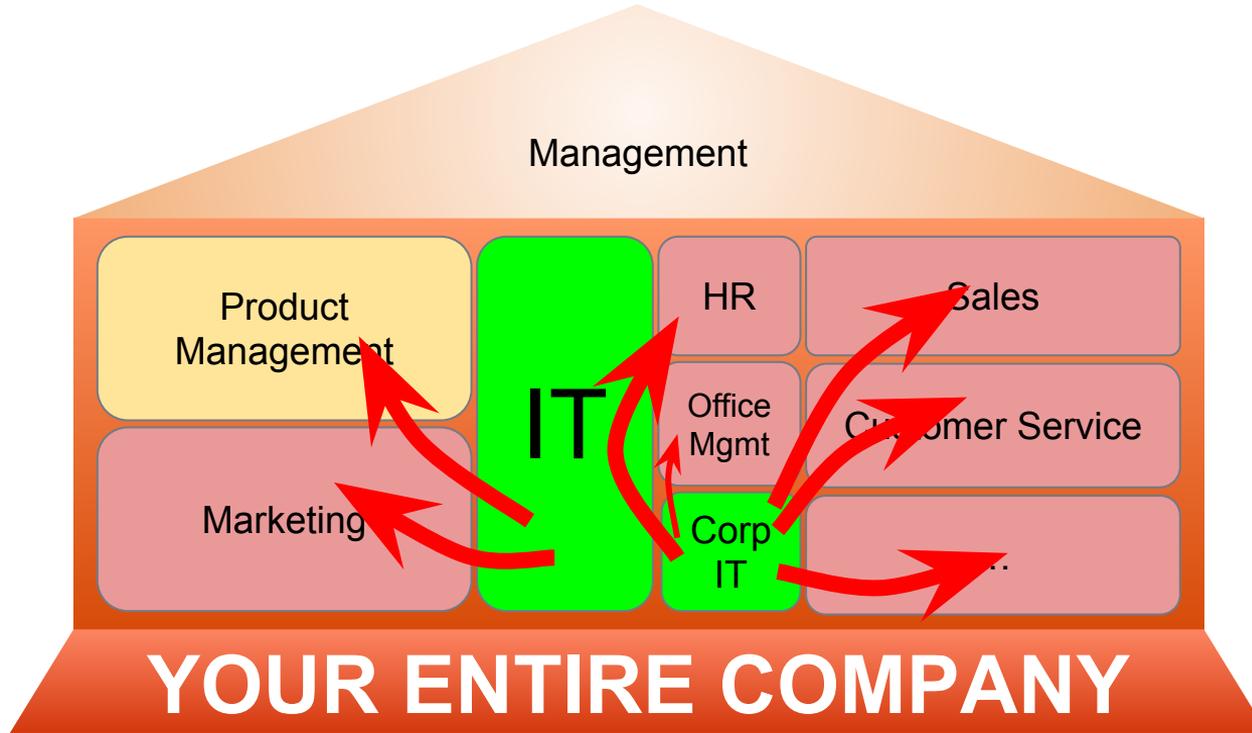
## DIGITAL PLATFORM - AUTOMATE EVERYTHING



## DEVOPS FOR IT → DEVOPS FOR EVERYONE

What	How	Challenges for Everyone	Solution
Close collaboration Shared Responsibilities	Development practices Code repositories Infrastructure as Code Production access	“Not my job - IT should do something” Don’t know how to code Afraid of losing their jobs	Only help is self-help Teach coding Lifelong learning keeps the job
Automate processes Create interfaces	Automate manual data transfers & conversions	Don’t believe that stuff can be automated	Show what is possible
Build up trust	Exchange roles Learn about the problems of the other side	“Wasn’t hired to be flexible”	Lead by example Find early adopters (e.g. spouse working in IT)

## HOW TO GET THERE



## CORP IT SHOULD BE

Cost Driven

A Service Organisation

Part of Office Management or Finance

In the basement

Reacting to problems and requirements



Value Driven

A Product Development Organisation

Part of IT

Visible

Developing the *Future of Work*

## A WORKPLACE STRATEGY FOR THE DIGITAL AGE

Build the best employee experience in the world

### Workplace Culture

Considerate and tolerant

Favor company collaboration over personal productivity

Communication habits

Everybody is/has an IT specialist

### Corner Stones

Primary work applications in the Web browser

Focus on seamless Integration and automation

Security and data protection

Chromebooks as Cloud Desktop

Google Apps & Microsoft Office

Be truly customer centric

## THANK YOU - QUESTIONS?

Slides: <http://go.schapiro.org/slides>

Workplace Strategy: <https://goo.gl/O7ppNN>

Zalando Tech Blog: <https://tech.zalando.com>

Zalando Open Source: <http://zalando.github.io>

Zalando Jobs: <https://jobs.zalando.com>

Feedback Content: schlomo.schapiro AT zalando.de