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# DevOps

## for Everybody

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**GUUG-Frühjahrs-fachgespräch 2017**

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08.03.2017 09:30 **Mathias Brandt** 356

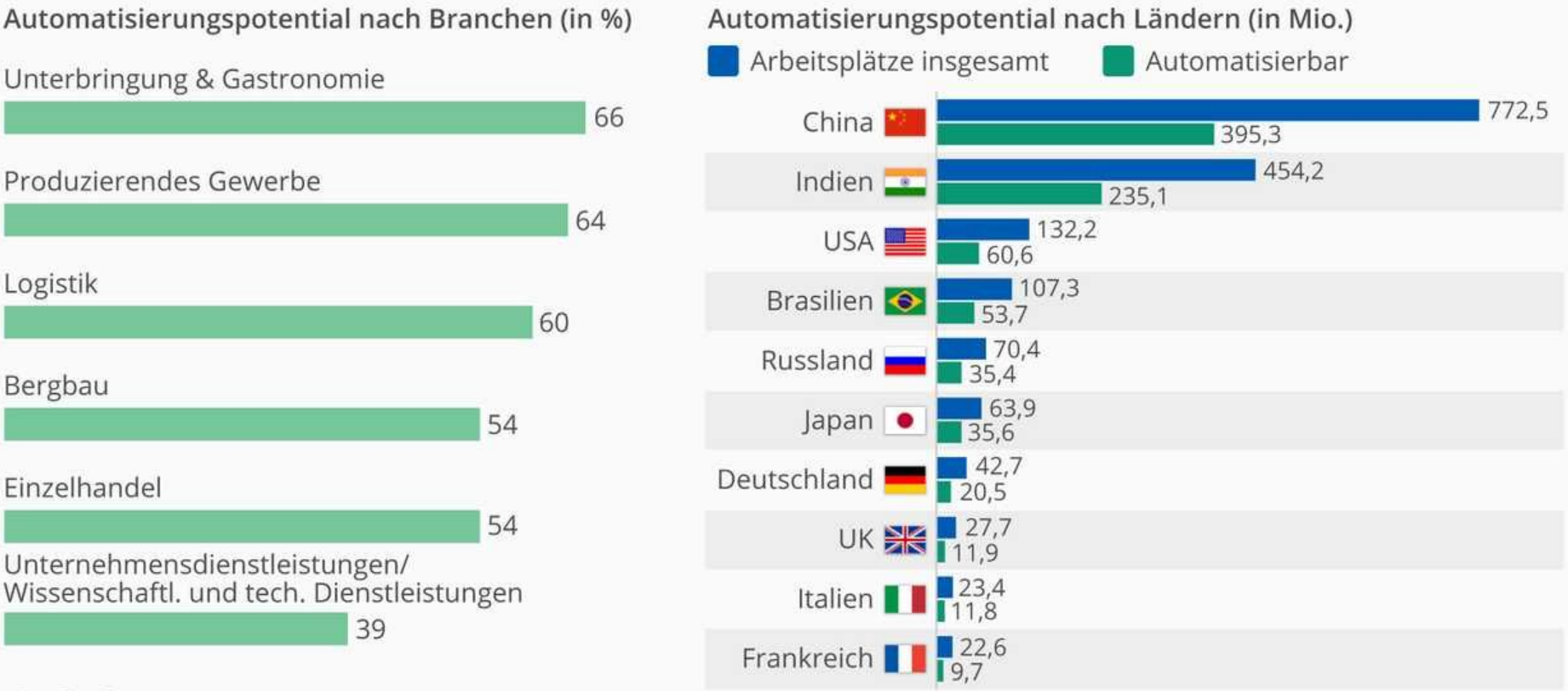
# "Statistisch gesehen": Arbeitsplatz-Killer Automatisierung

**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

https://m.heise.de/newsticker/meldung/Statistisch-gesehen-Arbeitsplatz-Killer-Automatisierung-3646644.html

# So viele Jobs könnte die Automatisierung kosten



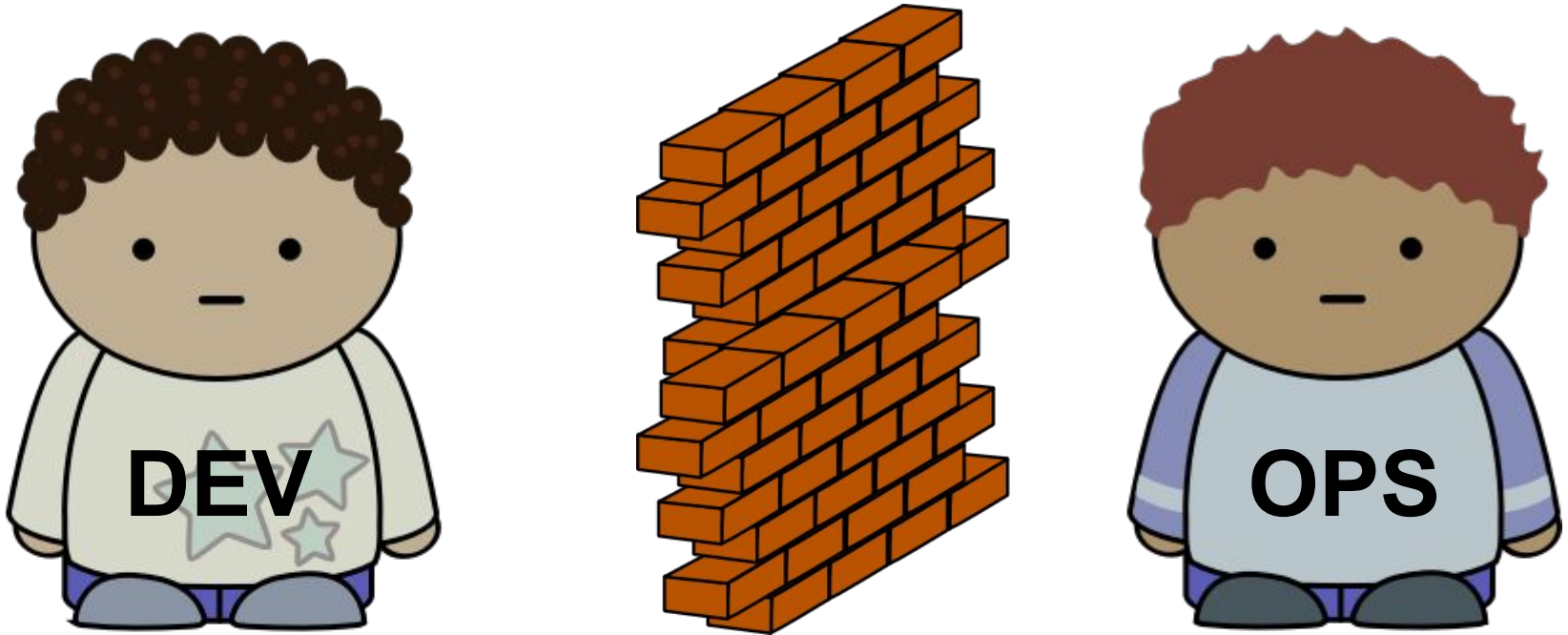

@Statista_com

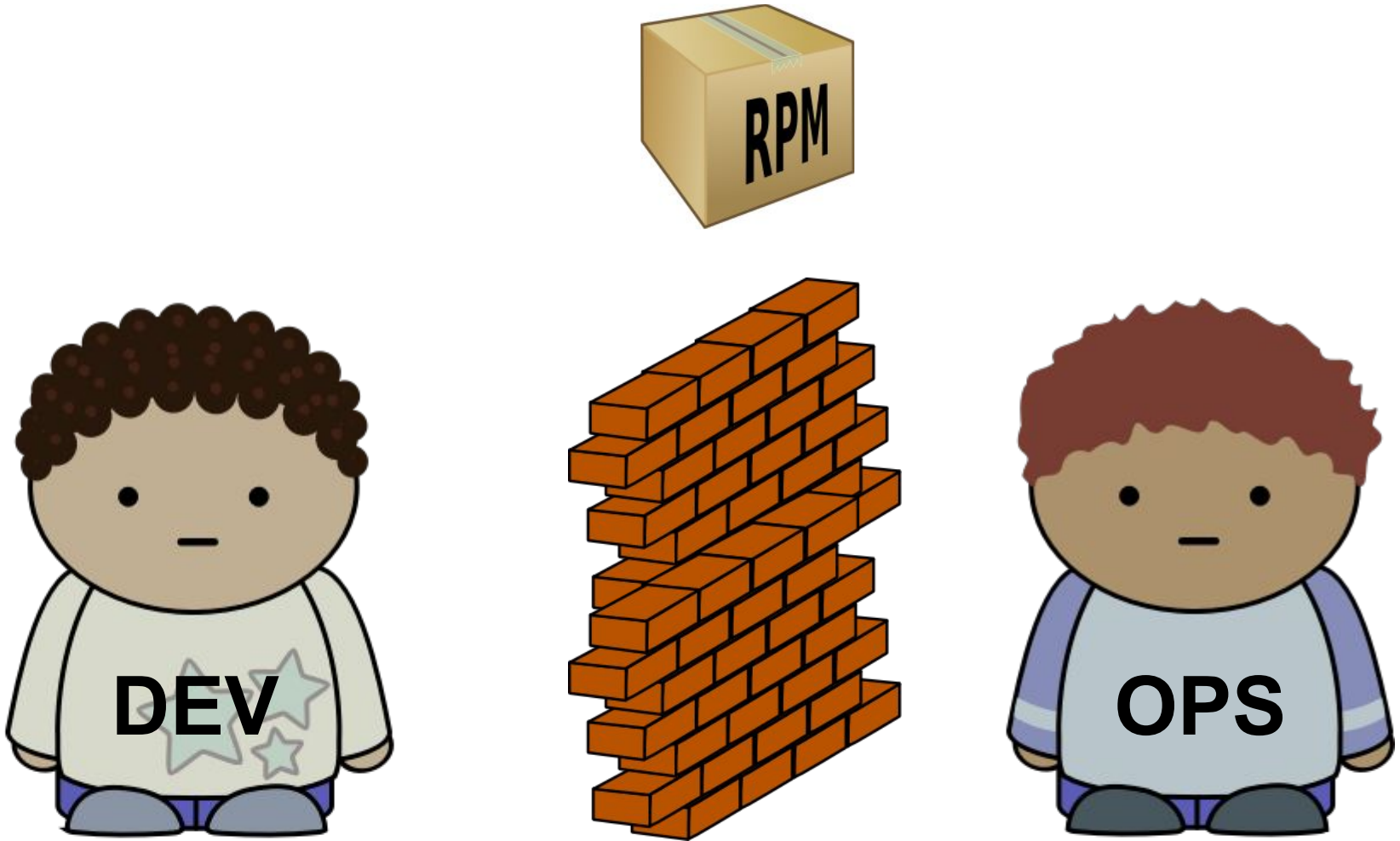
Quelle: McKinsey

heise online statista

# DevOps

*Once Upon A Time…*

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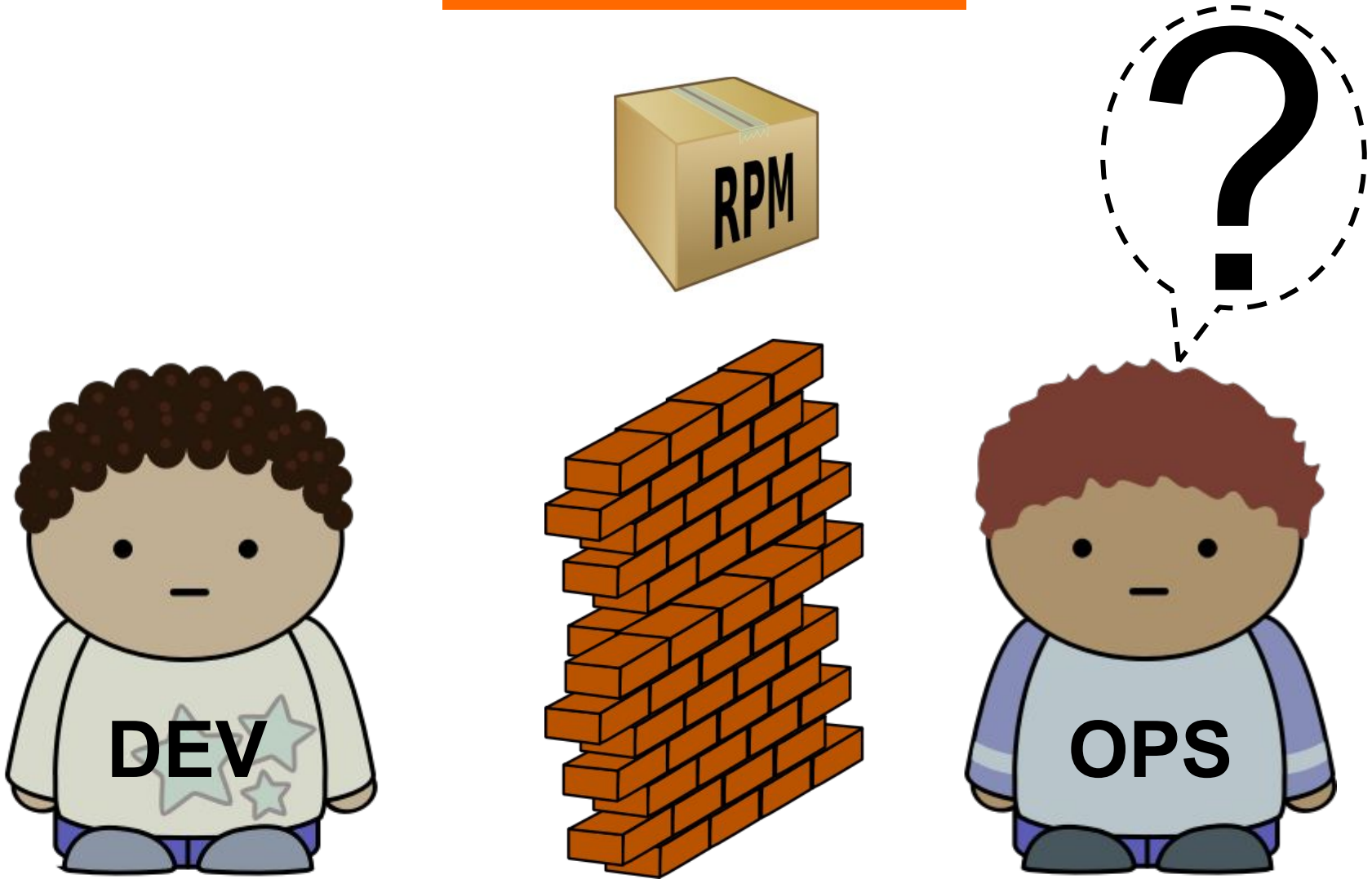
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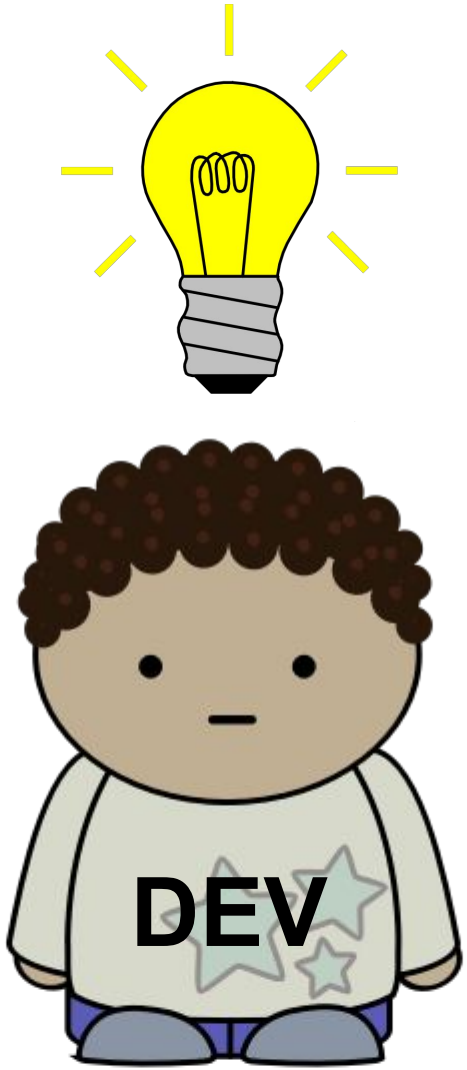
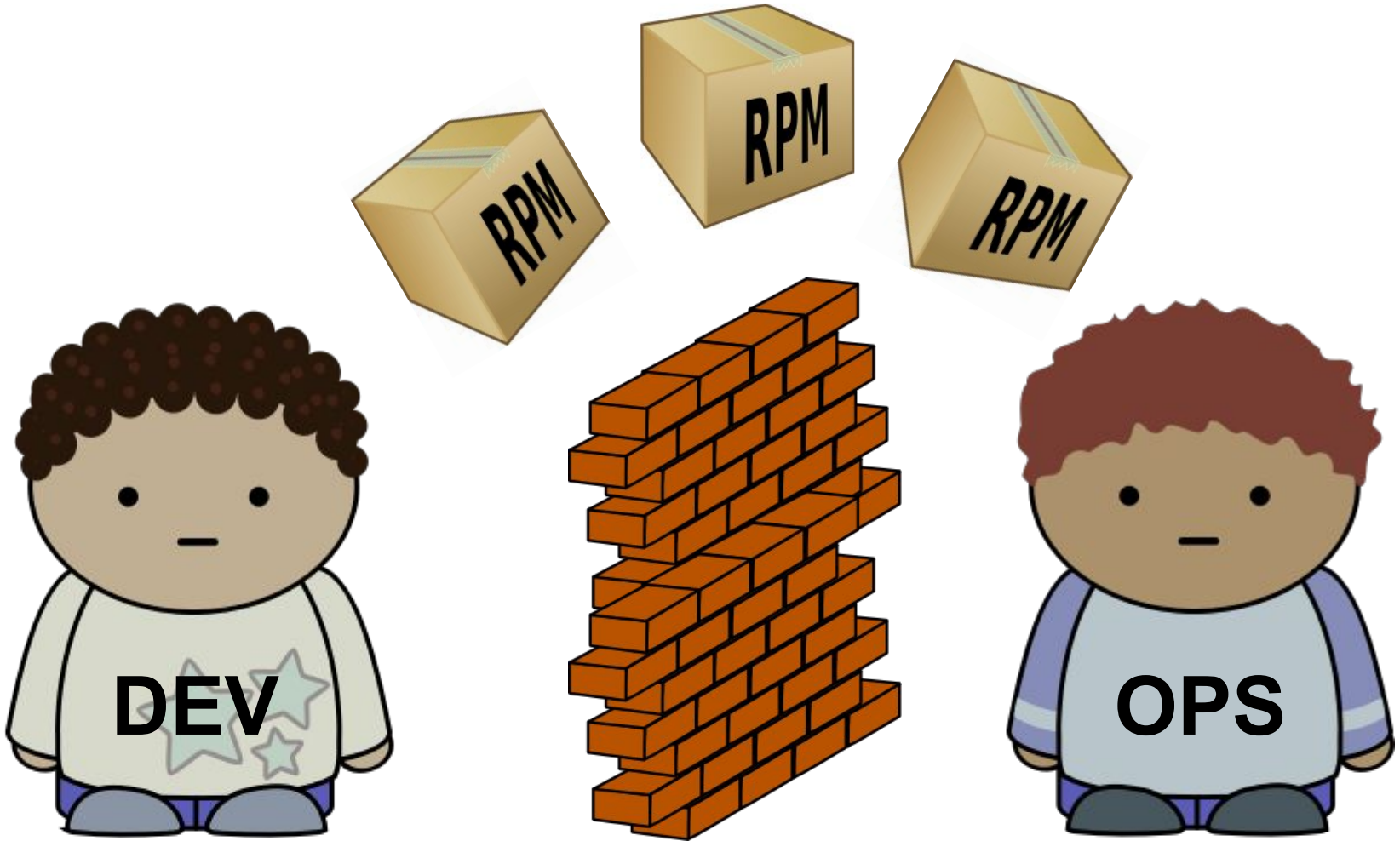



# Agile Methods in Software Development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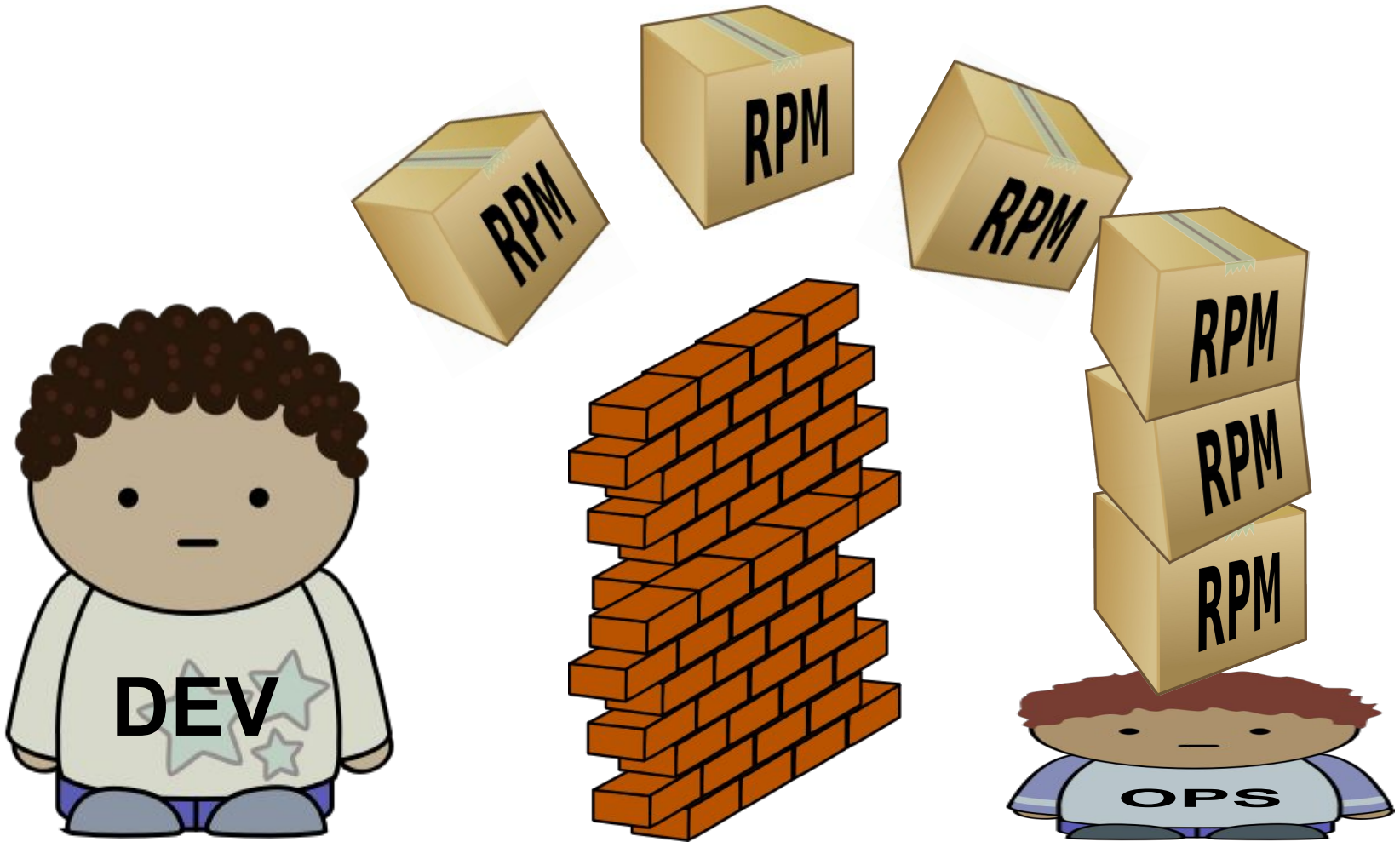
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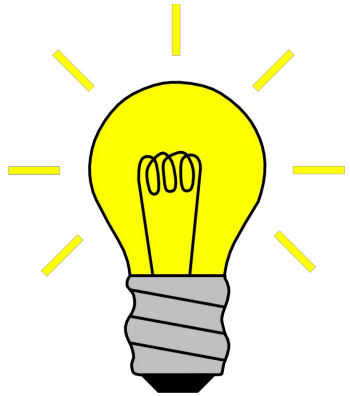
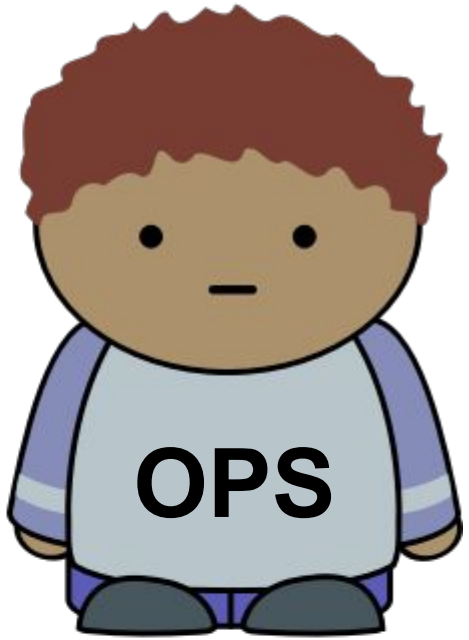
# DevOps

## Agile that works for **all** IT departments





DevOps
is

Autonomous Teams
Close Collaboration
Shared Responsibility
Automation

Christopher Schmidt / flickr

Steve Jurvetson / flickr

## DEVOPS RESULTS

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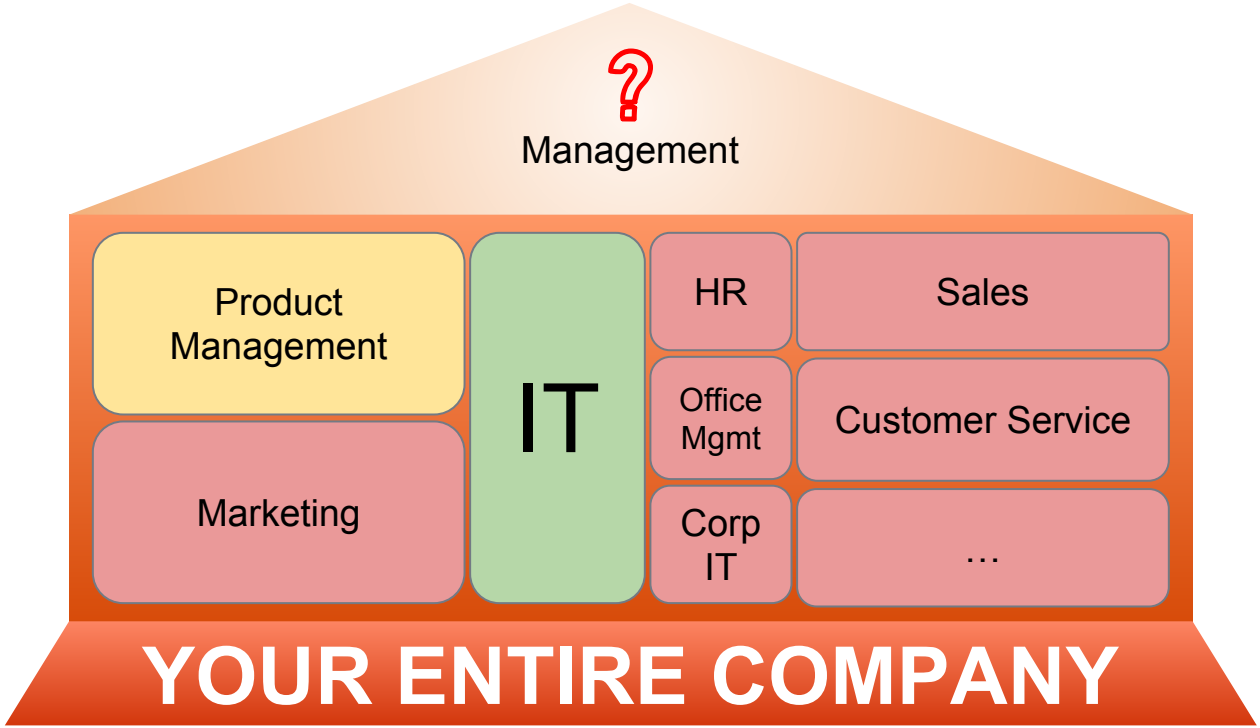
## DEVOPS IS ABOUT…

# *People*

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



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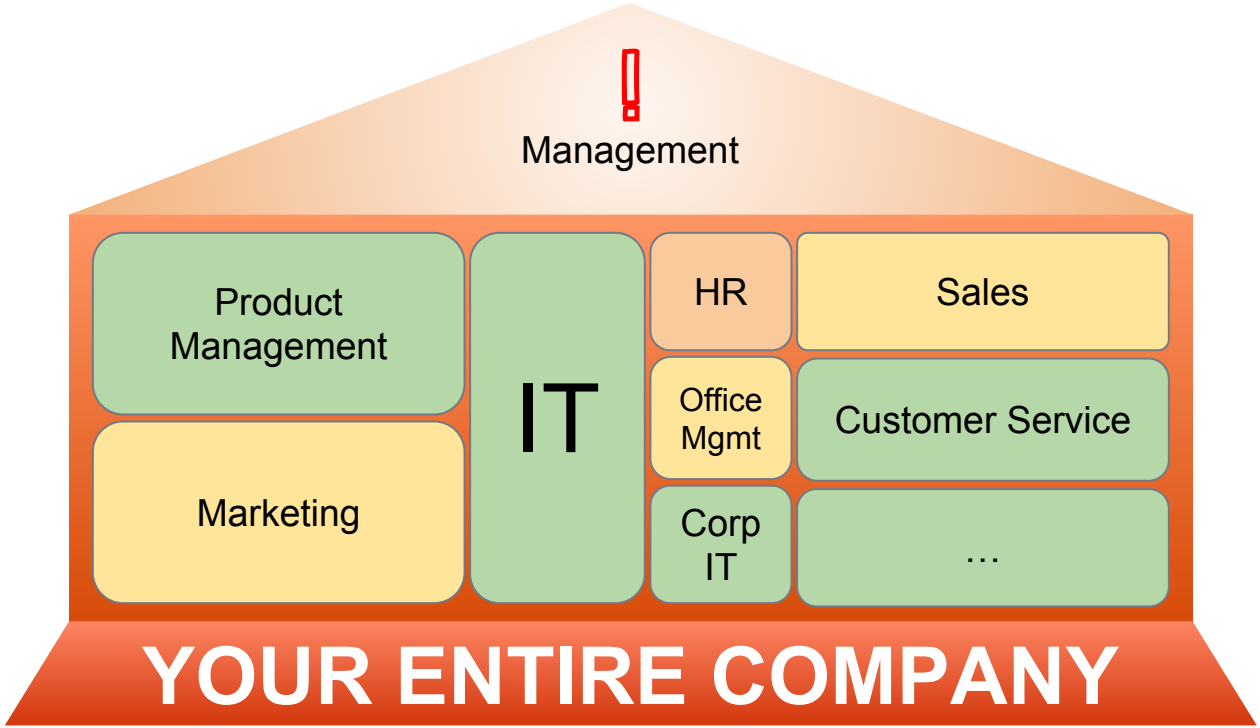
## AGILE GOAL



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## WHY BOTHER?

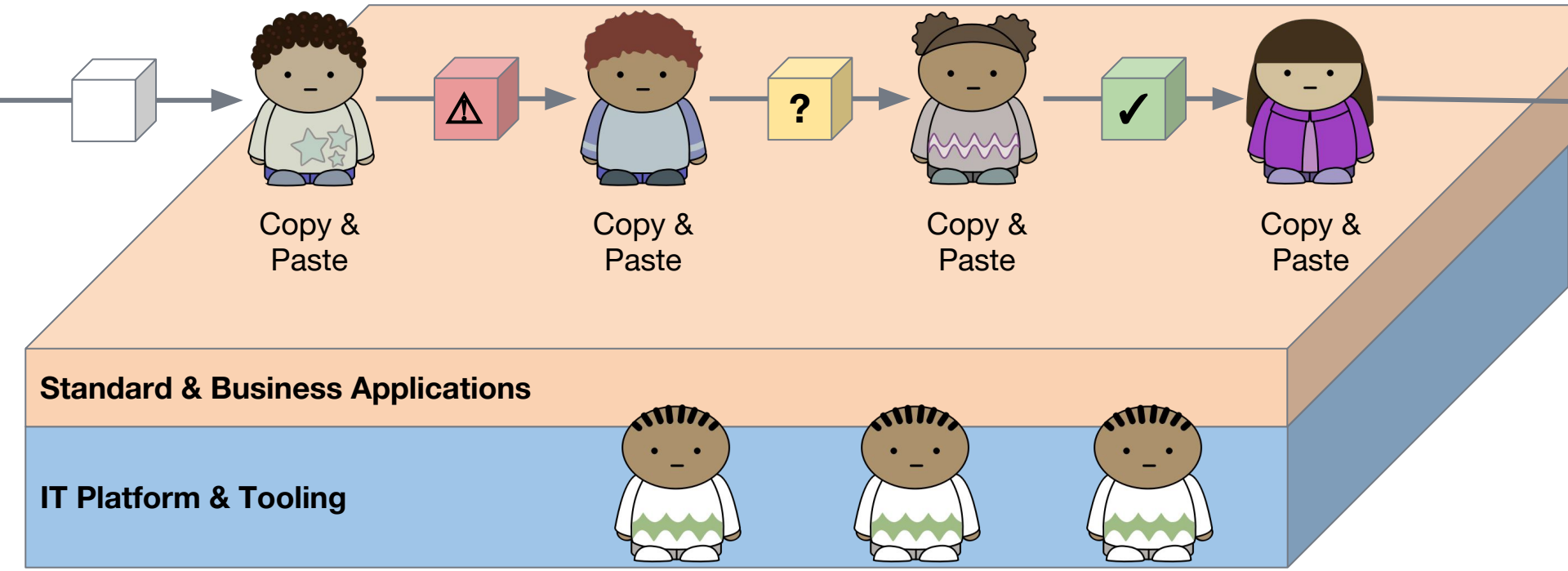
Agile & DevOps is “proven” good for IT
→ all the company should benefit from these ideas

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



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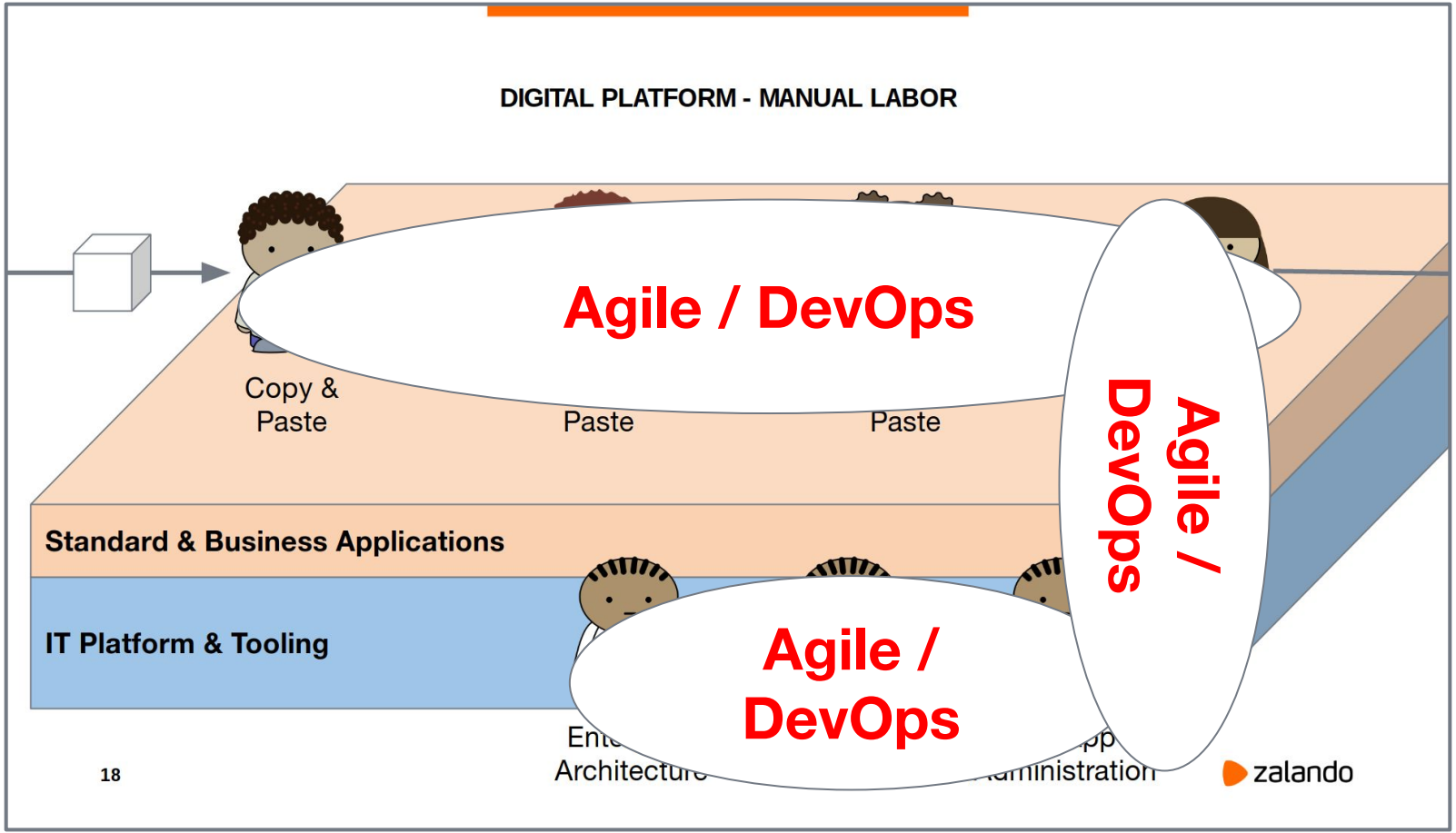
DIGITAL PLATFORM - MANUAL LABOR
Agile / DevOps
Copy & Paste
Paste
Paste
Agile / DevOps
Standard & Business Applications
IT Platform & Tooling
Agile / DevOps
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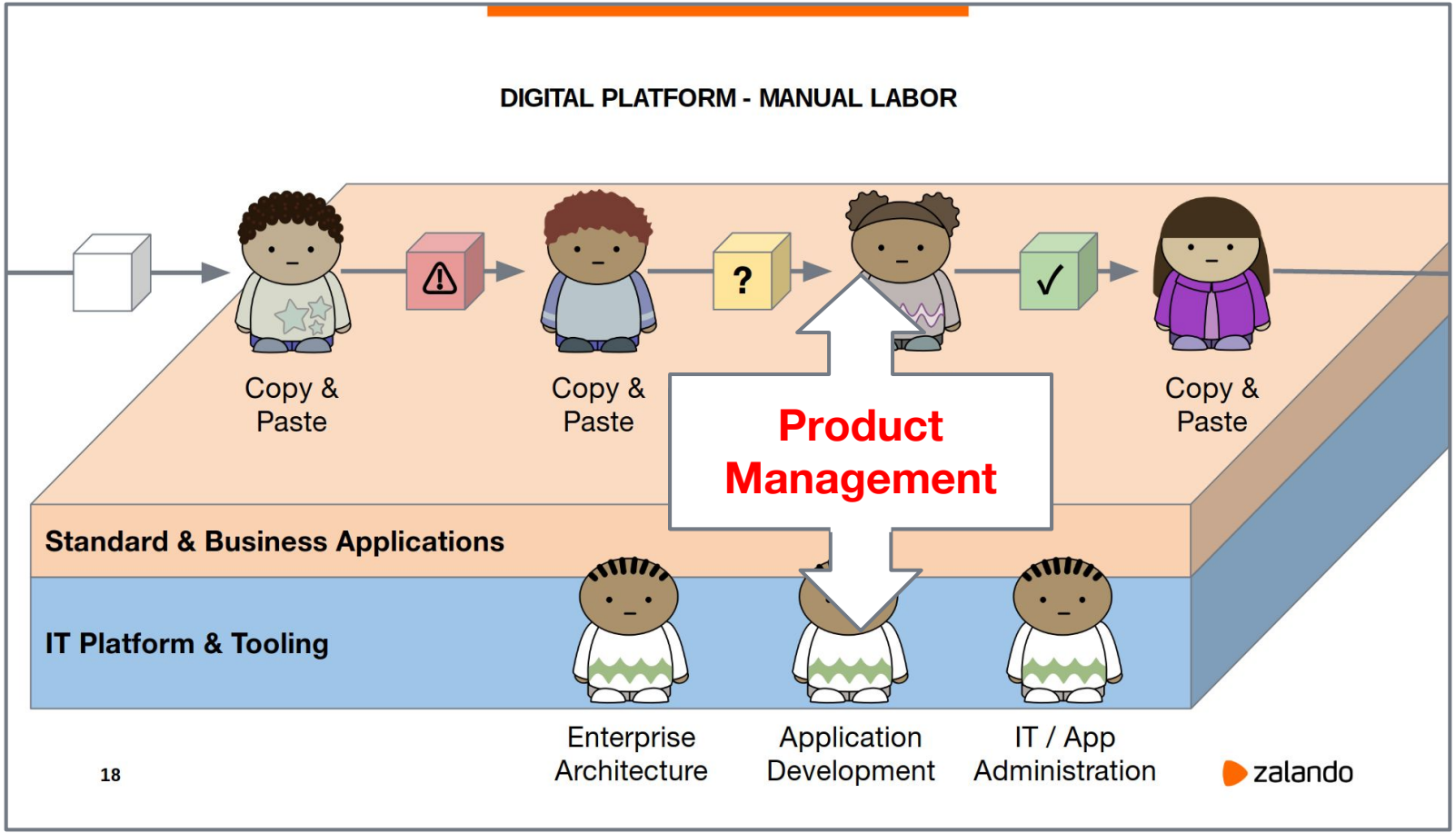
DIGITAL PLATFORM - MANUAL LABOR
Copy & Paste
Copy & Paste
Copy & Paste
Product Management
Standard & Business Applications
IT Platform & Tooling
Enterprise Architecture
Application Development
IT / App Administration
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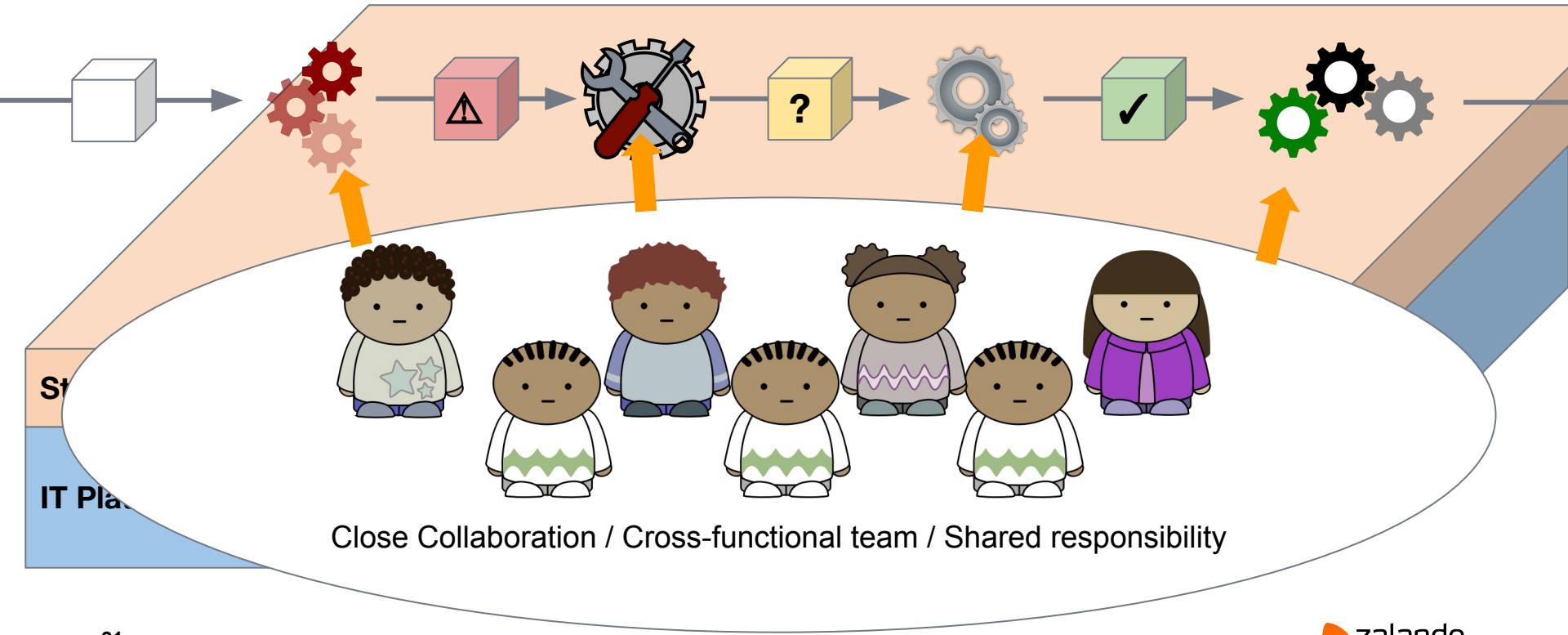
## DIGITAL PLATFORM - AUTOMATE EVERYTHING



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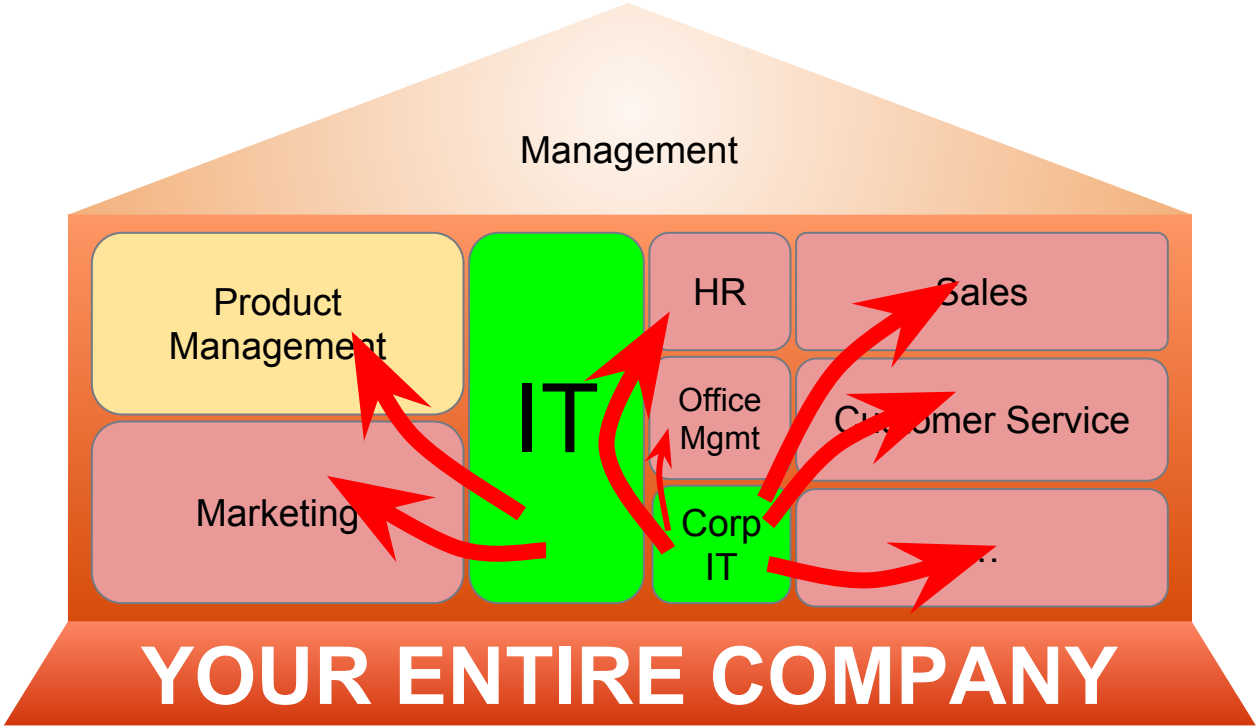
## DEVOPS FOR IT ➡ DEVOPS FOR EVERYONE

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

## HOW TO GET THERE



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## 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



Please see A Workplace Strategy for the Digital Age for details

## THANK YOU - QUESTIONS?

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

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

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Feedback Content: schlomo.schapiro AT zalando.de