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# DevOps is Normal

**DB Systel**

Moving the digital future. Together.

DB Systel GmbH | Schlomo Schapiro | Chief Technology Office | 12-13.11.2019



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**@schlomoschapiro**

Creating a DevOps department will solve all our problems

Hello, I am the Head of DevOps here

# When are we done with DevOps?

On-call is a DevOps problem

Our DevOps team does all that Ops stuff now.

Let's hire more DevOps Engineers!

The DevOps guys do on-call for us

We need to transition our engineers to DevOps

# DevOps

DevOps is

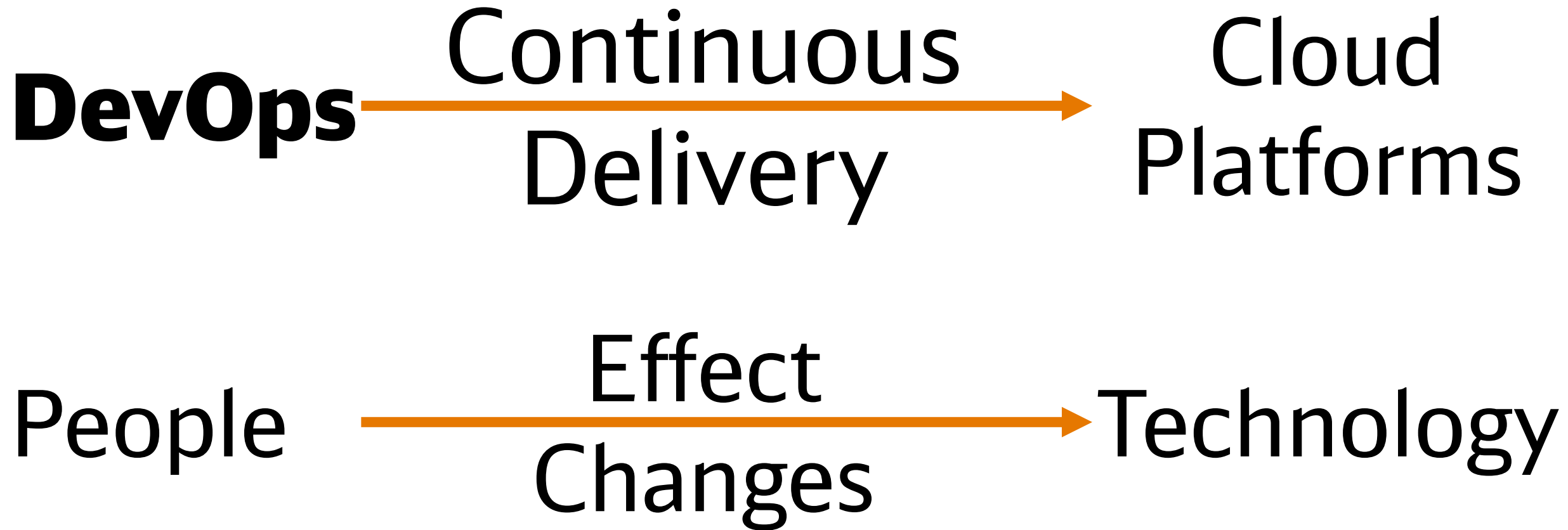
- ... if every person uses the same tool for the same job**
- ... codified knowledge - everybody contributes his part to common automation**
- ... if all people have the same privileges in their tooling**
- ... if human error is equally possible for Dev and Ops**
- ... replacing people interfaces by automated decisions and processes**

**[bit.ly/5pdops](https://bit.ly/5pdops)**

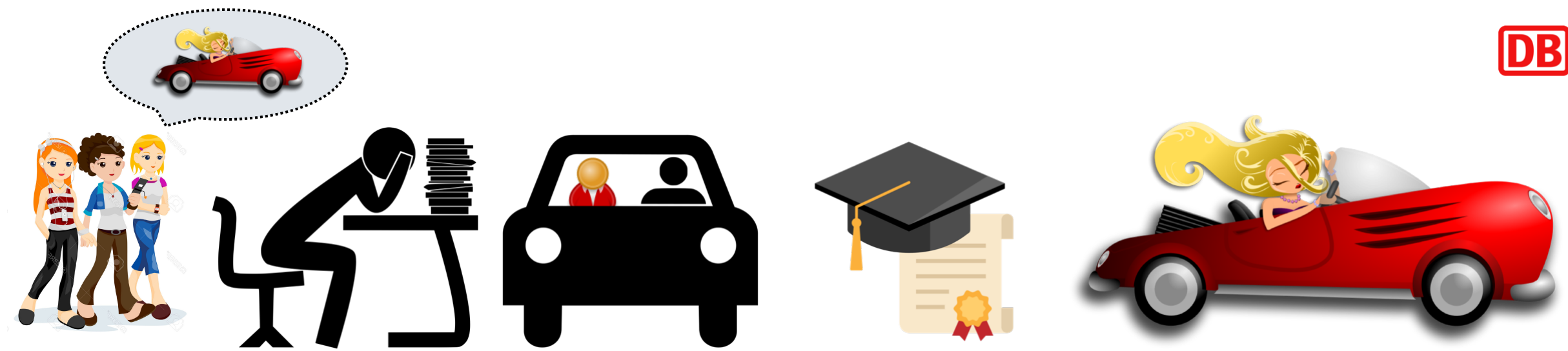
**... a result**



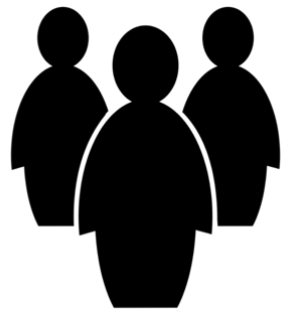
## Big Picture



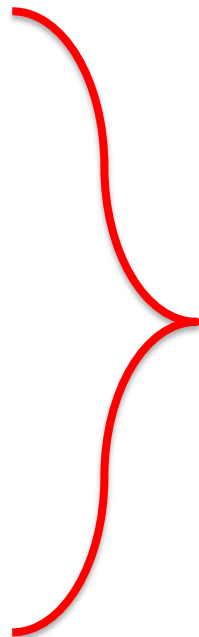
DevOps  
is normal



Ops



Dev



DevOps Team



Engineering Team



DevOps is

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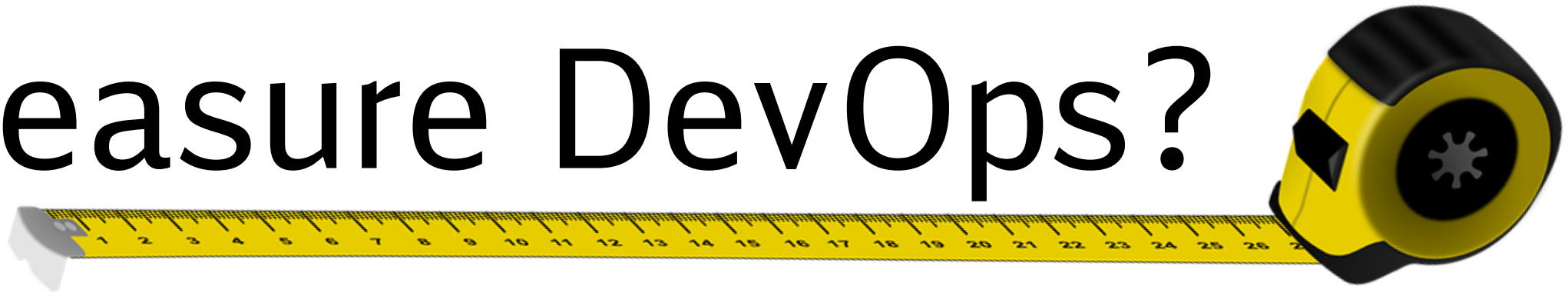
**... a result**





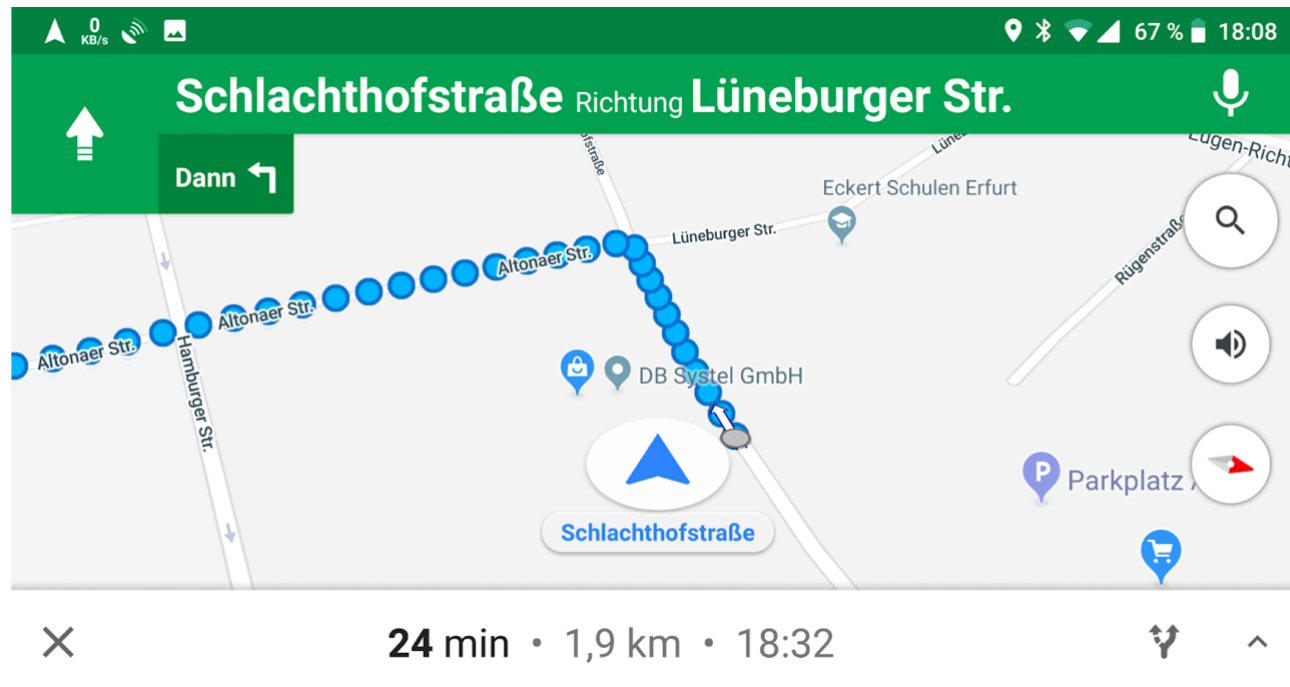
Visible success

# Measure DevOps?



# Are we moving towards the right goal?

**Progress Indicators**



**Success Indicators**





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**... a result**

DevOps is

**... if all people have the same privileges in their tooling**

**We trust all people equally!**

DevOps is

**... if all people have the same privileges in their tooling**

**Trust := root\* Permissions**

\* root = administrative Permissions

DevOps is

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**... a result**

DevOps is

**... replacing people interfaces by automated decisions and processes**

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... replacing people interfaces by automated decisions and processes



Continuous Delivery **with**  
automated security and  
governance decisions

DevOps is

... replacing people interfaces by automated decisions and processes



Continuous Delivery with automated security and governance decisions

= **measure**

the company / management **trust** into  
the **code** and the **automation**  
(over the people writing and running it)

DevOps is

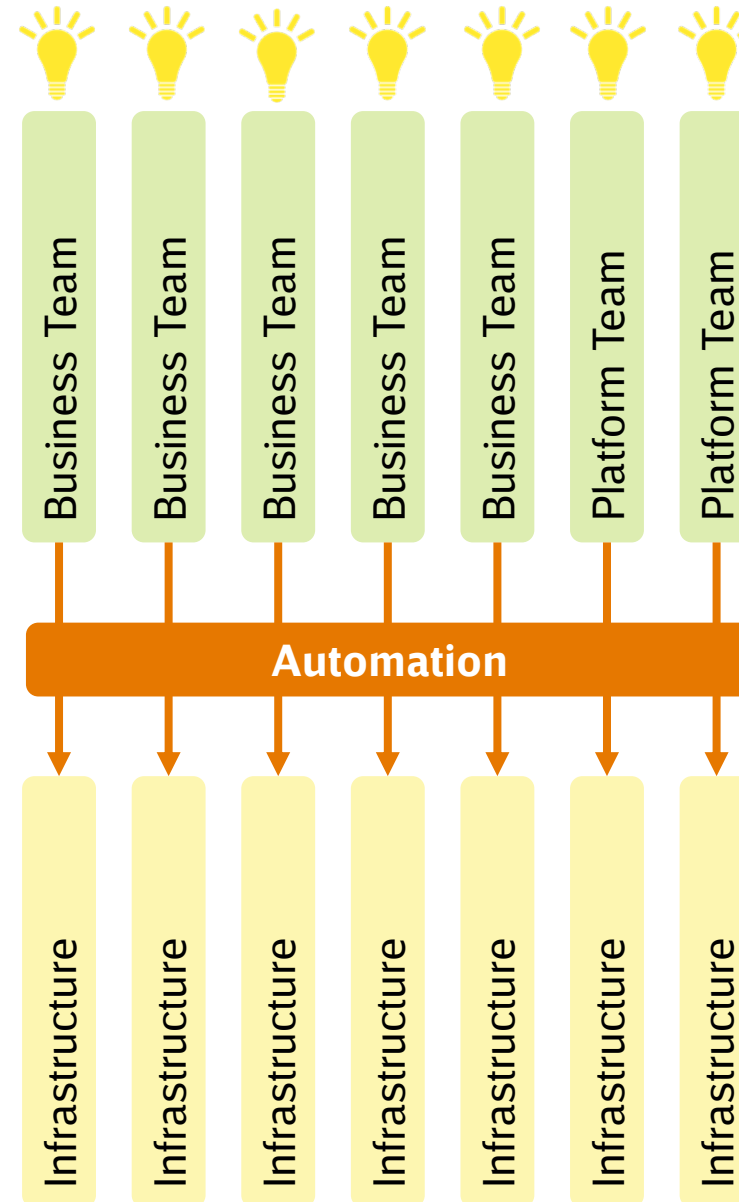
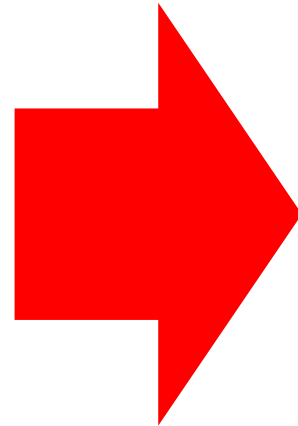
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**... a result**

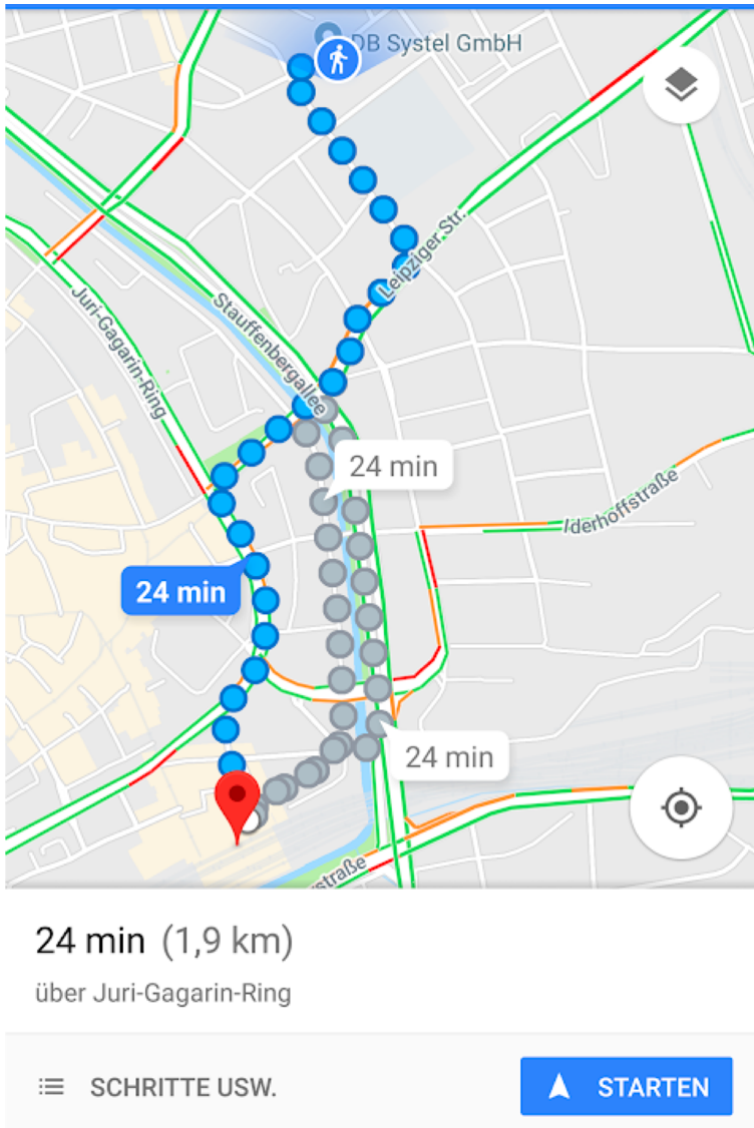


## The result:



DevOps  
+  
Continuous  
Delivery  
+  
Cloud  
Platforms

# How to start?



- Set a **goal**, e.g. „2 deployments per day“
- Identify **impediments**
- **Replace** impediments through **automation**
- **Repeat** until done
- Build tools that are useful **products**:
  - Continuous Delivery as a Service
  - Cloud Platform as a Service
  - Proxy, DNS ... as a Service
- Company concerns (security, governance, compliance) must be part of the continuous delivery pipeline

## DB Systel Vorträge

### Automatisierte Governance

Donnerstag, 10:15  
Gustav Mahler II

### DevOps im Konzern: Autonomie von DevOps Teams vs. Betriebssicherheit

Donnerstag, 14:00  
Hörsaal Arnold Schönberg



The poster features a header image with silhouettes of people shaking hands and the DB logo. The main text is in German, listing job roles and contact information. At the bottom, there is a logo of a train with 'AWS' and 'DevOps' labels, and the DB Systel logo with the tagline 'Digital bewegen. Gemeinsam.'

**Du bist Spezialist**  
- aber nicht von gestern.

Wir suchen dich als

- **DevOps Engineer**
- **Kubernetes Expert**
- **Full Stack Developer**

in Berlin, Erfurt oder Frankfurt

**Kontakt hier auf der Konferenz**  
**Schlomo Schapiro | DB Systel GmbH**

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✉ [schlomo.schapiro@deutschebahn.com](mailto:schlomo.schapiro@deutschebahn.com)

**DB Systel**  
Digital bewegen. Gemeinsam.



## Q&A

DevOps  
[bit.ly/5pdops](https://bit.ly/5pdops)

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**Vielen Dank für Ihre Aufmerksamkeit**