THE JOURNEY TO CONTINUOUS DEPLOYMENT

TRANSFORMING TECHNOLOGY, CULTURE, AND MINDSET

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How would it feel, if your changes would go to production **within minutes**?

STATE IN SUMMER 2020:

- One monolithic system.
 - one backend,
 - one frontend, and
 - some smaller services around
- Six engineering teams.
- **One** monolithic deployment **twice** a week.

- **One** staging environment.
- **One** QA team, E2E-testing on staging.
- Five production environments.

Who would be responsible for **executing the release process**?

The QA team.

DEPLOYMENTS WERE

- painful
- slow
- risky
- mystical
- scary

The QA team became a **silo** and **bottleneck** in the deployment process.

THE SOLUTION

Starting the **Platform and Developer Experience** team in 2021.

Introducing **continuous deployments** became one of our **top priorities**.

Continuous deployments require a **different mindset**. We need to make changes

- small,
- continuous, and
- non-breaking.

Many process steps were not relevant.

Nobody knew the full picture.

OUR SOLUTION

The Deployment Rotation

THE IDEA

- Involve every team.
- Rotate the responsibility.
- Improve the process **together**.

Tech Leads loved the idea.

But: Some teams hated it.

LEARNING

Involve more people in the change.

Why could we not *just* **automate** that process?

How would you call this quality assurance practice?

Hope.

Hope is not a great quality assurance practice.

Our software delivery process and culture needed improvements.





Some improvements:

- Removed or automated manual steps.
- Added end-to-end tests to the pipeline.
- Stabilized automated tests.
- Reduced deployment duration. Increased stability.
- Introduced release toggles.

Reduced pipeline lead time from 1 hour to 10 minutes.

What did this mean for the deployment rotation?





Let's not deploy on Fridays. ... for now!

THREE WEEKS LATER.





How would your work look like?

What is needed to **successfully** introduce **continuous deployments**?

You need a vision.

You need to **communicate it**.

You need to **find supporters**.

You need to **involve people**.

You need to make it safe.

How can l introduce **ANY change** in **my company**?

Observe.
 Plan.
 Take a step.
 GOTO 1.

Arriving at continuous deployments was a long journey.

15 teams 60 people countless incremental, small and safe changes

What is **your** first step **today**?

CONNECT WITH ME!



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