

DevOps Heading for a Failure

Arijit Sarbagna

Agile & DevOps Practice Head – Atos
Distinguished Expert – Agile Software Development

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Disclaimer:

- ▶ This presentation will be talking about the generic scenario with DevOps, knowing there are good exceptions available as well (thankfully)

Agenda

- ▶ DevOps Heading for a Failure
 - 1. Context**
 - 2. Defining DevOps**
 - 3. Beginning & Evolution**
 - 4. Current State**
 - 5. What Changed?**
 - 6. Dealing with Changing Times**
 - 7. Doing it Right**

Context

- ▶ The craze about modern-day "DevOps" is not new. It's been there (formally) since 2007 (considering the coining of the word) and its popularity is increasing by leaps and bounds. But is this on a sustainable path or is it heading for an eventual failure?
- ▶ We'll take a deep dive into how this started, how the culture-centric approach moved to a tool-centric model, and what we need to do to prevent it from heading towards a most certain failure route.

What is it?

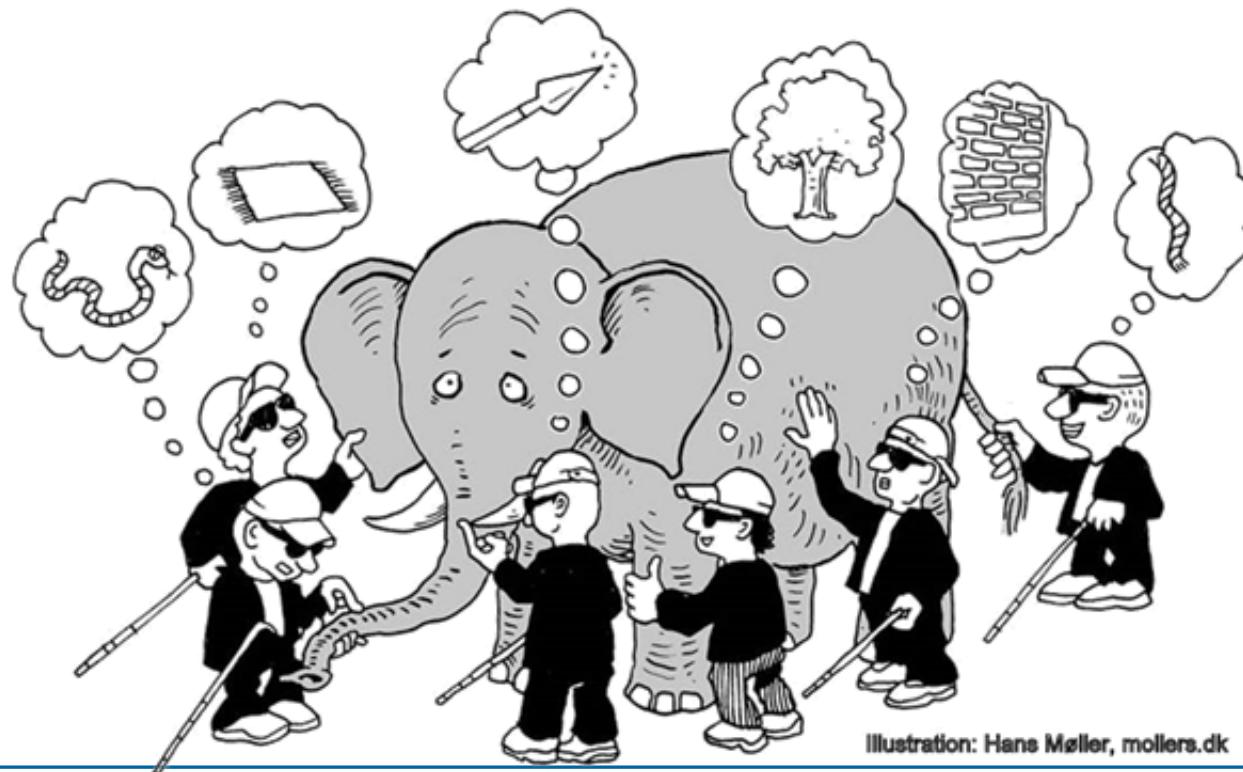


Illustration: Hans Møller, mollers.dk

Beginning

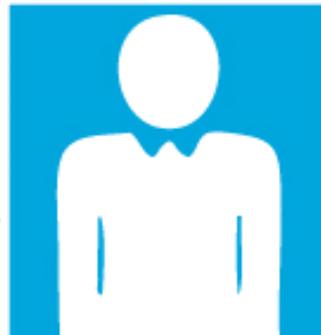
- ▶ Aimed at bridging the **GAP**
- ▶ Collaboration focused
- ▶ Idea was to let Developers understand what IT Ops care for and accordingly take accountability
- ▶ Similarly, let IT Ops align with the fast pace of changing development priorities

One team, one goal

Development



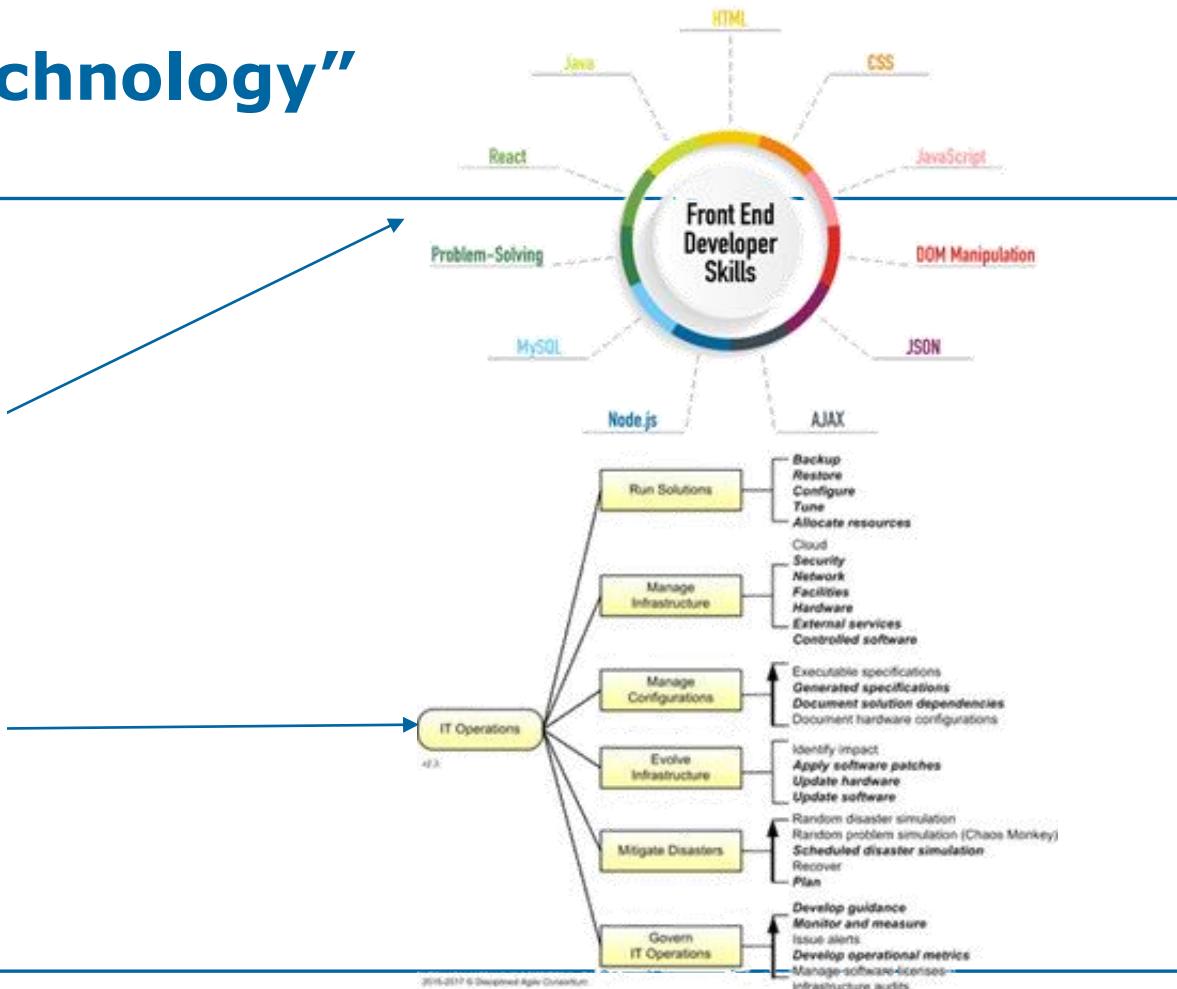
IT Operations



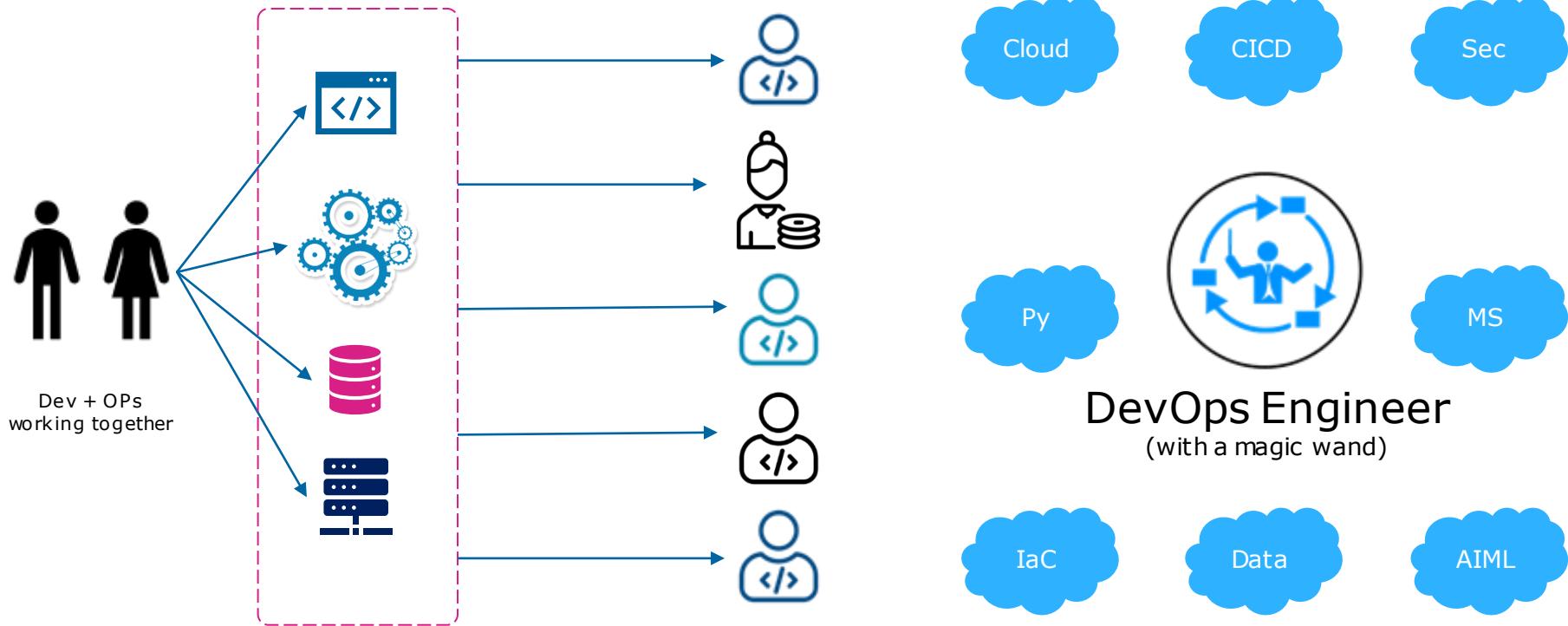
DevOps focuses both the Apps team's drive for agility and responsiveness and the NOC's concern with quality and stability on the ultimate goal of providing business value.

Source: HP

The Evolution: “Technology”

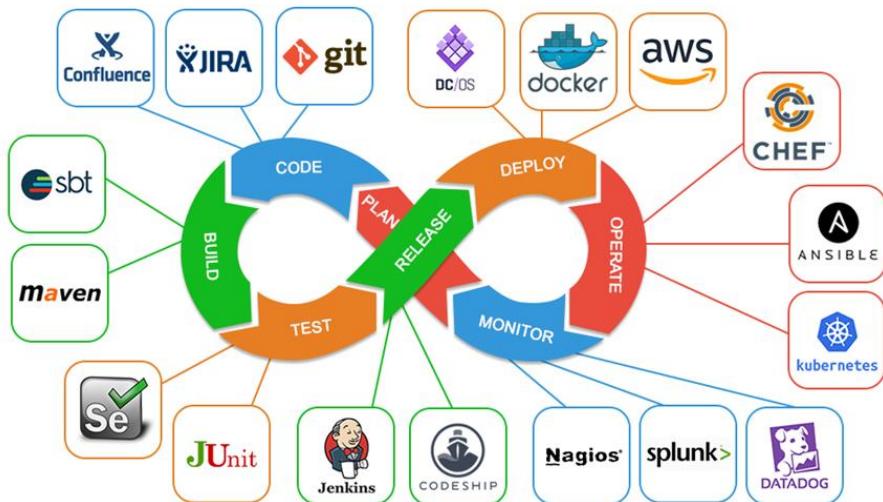


The Evolution: “Roles”

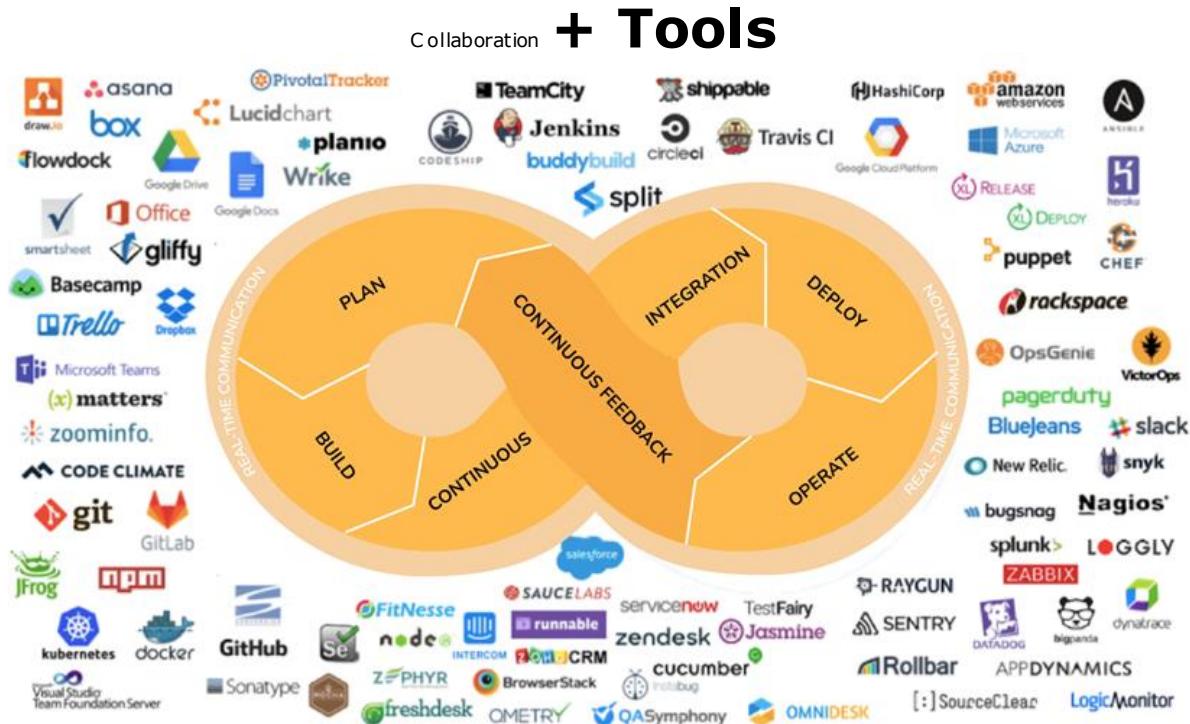


Current Scenario: Stage I

Collaboration + Tools



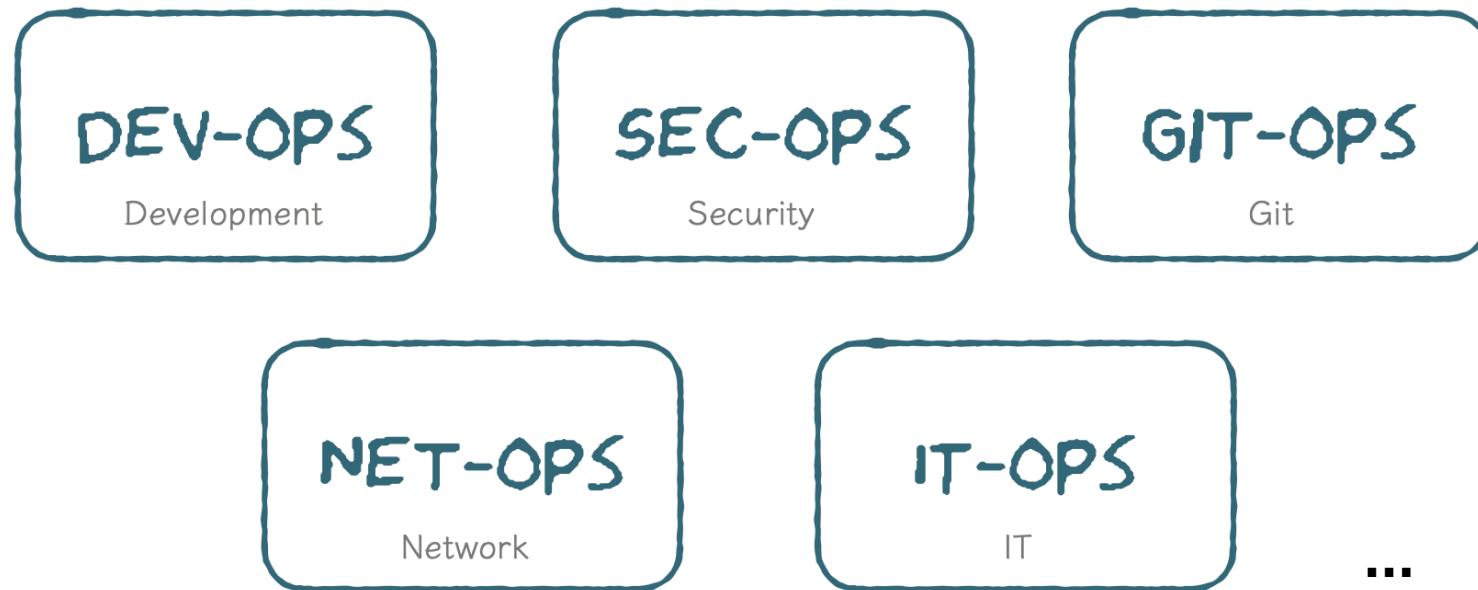
Current Scenario : Stage II



What Changed and What Didn't?

- ▶ **Changed:**
 - It's **NOT** "Collaboration" anymore, it is mostly a **ROLE** now
 - **Culture** is now at the backseat (& someone said – *"culture eats strategy for breakfast"*) and it is a **TOOL** dominant landscape
 - Instead of bridging the gap, we have **increased the gap** further (a team is now incomplete, without a DevOps Engineer or some go even further by introducing a team itself for DevOps)
 - We are more confused (as if we were not already) – does DevOps mean a framework? Or is it a strategy or a set of tools? Or perhaps being Agile?
- ▶ **Unchanged:**
 - OPS is intact, as this is what acts as the KLO Team for any business

“OPS” is the STABLE PART



We are going through “**changing times**”...but OPS managed to hold on

Dealing with Changing Times: MUDI®

- ▶ **M**ixed up
- ▶ **U**ncertain
- ▶ **D**emanding
- ▶ **I**mpulsive



Are we doing the right thing?

- ▶ DevOps is about **giving ownership** to a person “end-to-end” in terms of how to build the software and ship it, and if required – maintain it through updates, patches and hardening.



Increasing GAP



DevOps Engineer

Development



IT Operations



Are we doing it right?

- ▶ Transitioning to DevOps is, first, a cultural shift, and then a process and organizational shift (& then comes tools – if at all)
- ▶ DevOps takes time and effort – let's accept it!
- ▶ Such transition requires strong leadership and advocacy

- ▶ CI should NOT start with Continuous **Integration**, but Continuous **Inspection**

Parting Thoughts

- ▶ Unless we start accepting a “Culture” as a “CULTURE” – we will end up in a jungle of TOOLS, lost in CHOICE (& CONFLICTS)!
- ▶ Culture leads to “ACCOUNTABILITY”, not just pointing towards TOOLS!
- ▶ Tools are good, often great! But...
- ▶ We live in a MUDI world, so use OODA!



Q&A



Thank you

For more information please contact:
arijit.sarbagna@atos.net

LinkedIn: <https://in.linkedin.com/in/arijitsarbagna>

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