

DevOps utan floskler



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B3 Init AB

- IT-konsulter sedan 1994
- Infrastruktur
- Systemutveckling
- Ledning och Styrning
- DevOps
- Sedan 2017 en del av *B3 Consulting Group*



Jonas Linde

- IT-konsult sedan 1997
- Infrastruktur
- Systemutveckling
- Ledning och Styrning
- DevOps



Agenda

- Hur började det?
- Hur har det utvecklats?
- Vad fann vi för utmaningar?
- Vad gäller idag?
- Hur ser framtiden ut?



Definition av DevOps

Filosofi för organisationers *kultur, struktur* och *arbetsätt* som gör det möjligt att *bygga, leverera* och *underhålla* precis rätt IT-tjänst mer *effektivt* och med större *tillförlitlighet*

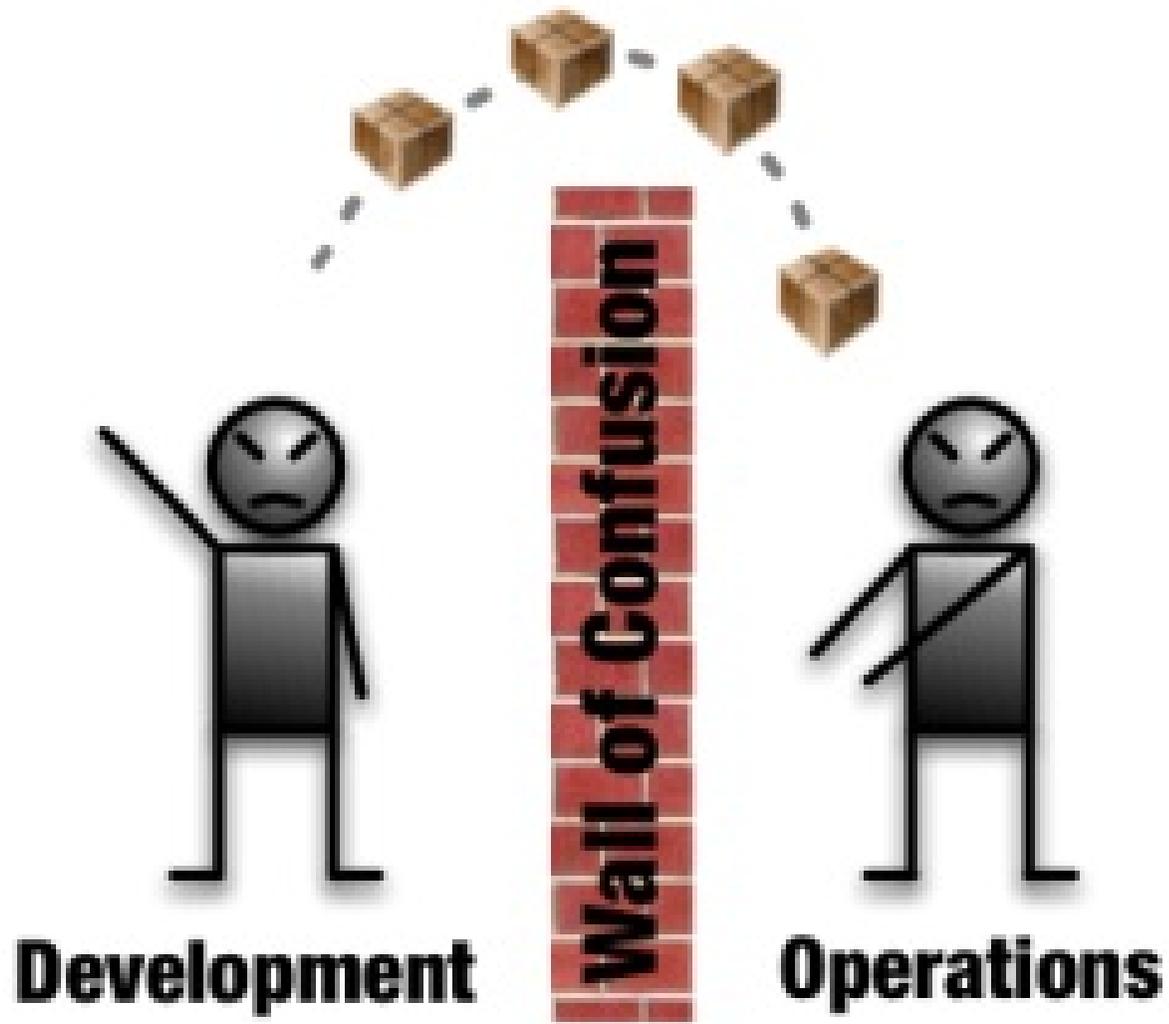


Bakgrund

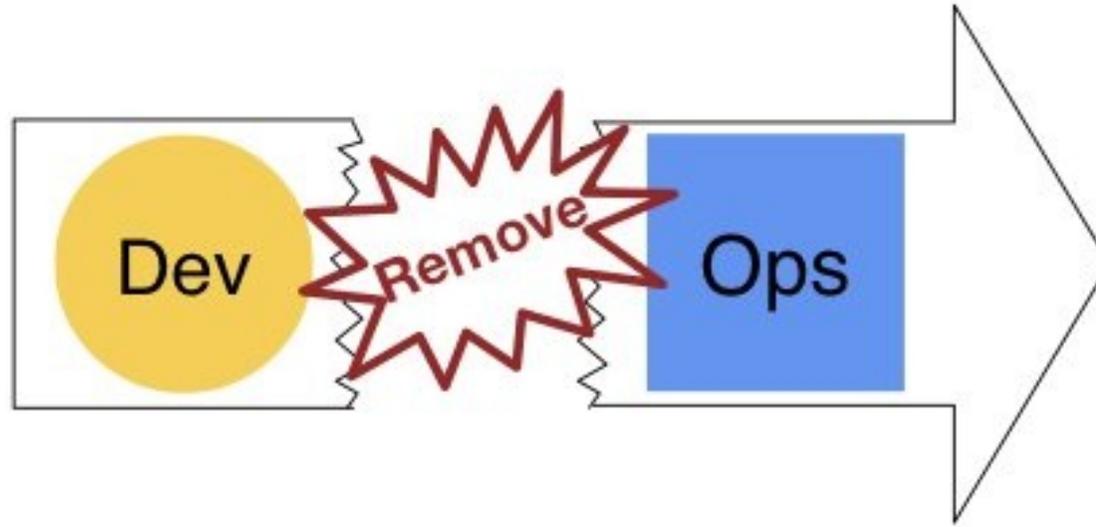
Hur började det?



Problemet



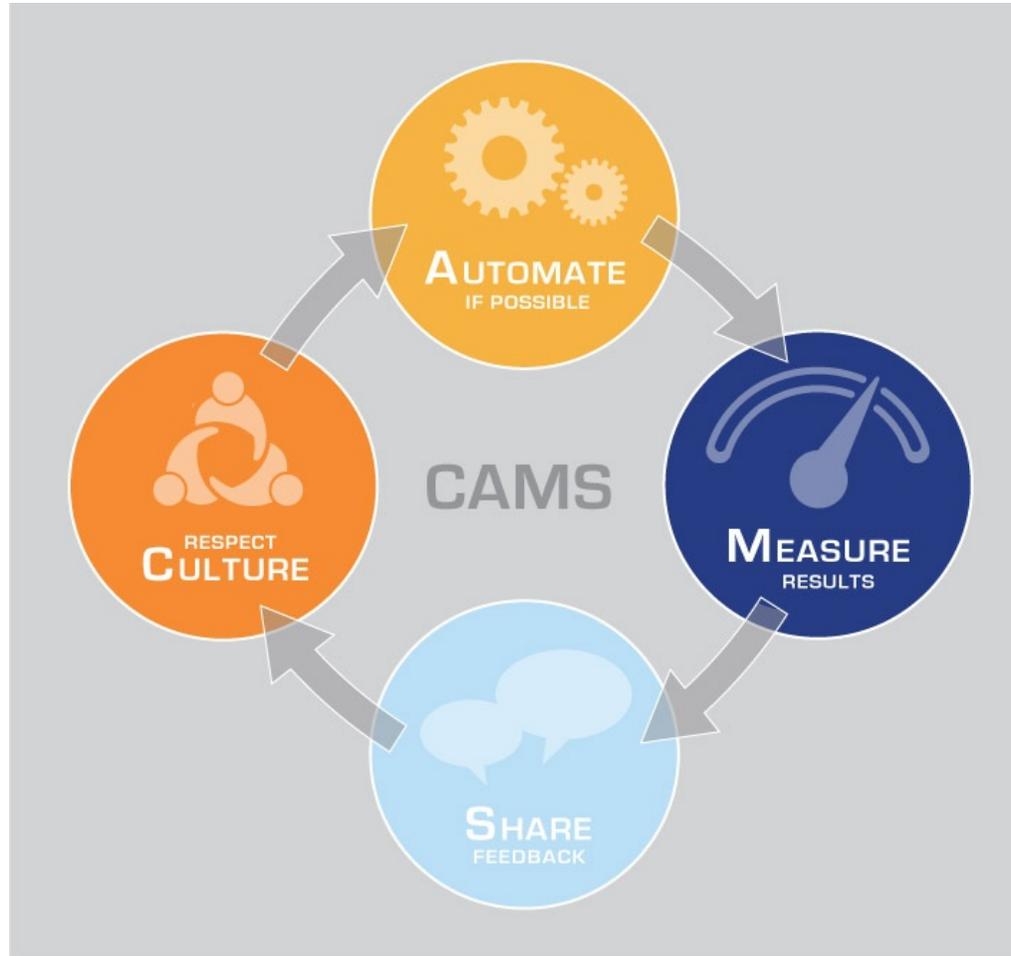
Lösungen



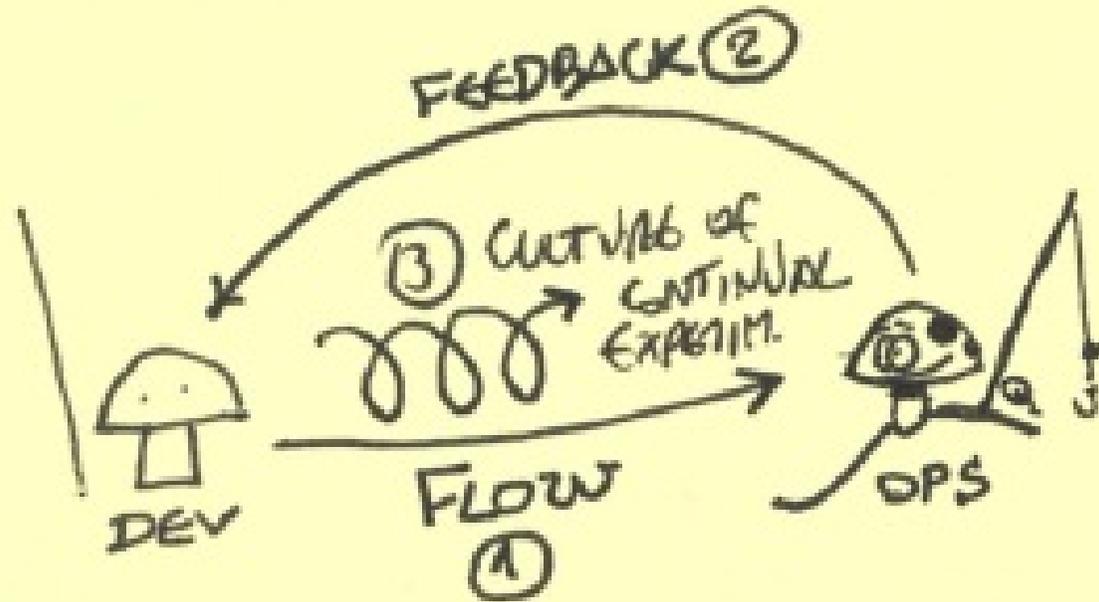
Wall of Confusion

C.A.M.S.

- Culture
 - empowered teams
 - end-to-end responsibility
 - experimentation platform
- Automation
 - automated builds and testing
- Metrics
 - metrics and monitoring
- Sharing
 - blameless post mortems



Filosofi



THE THREE WAYS

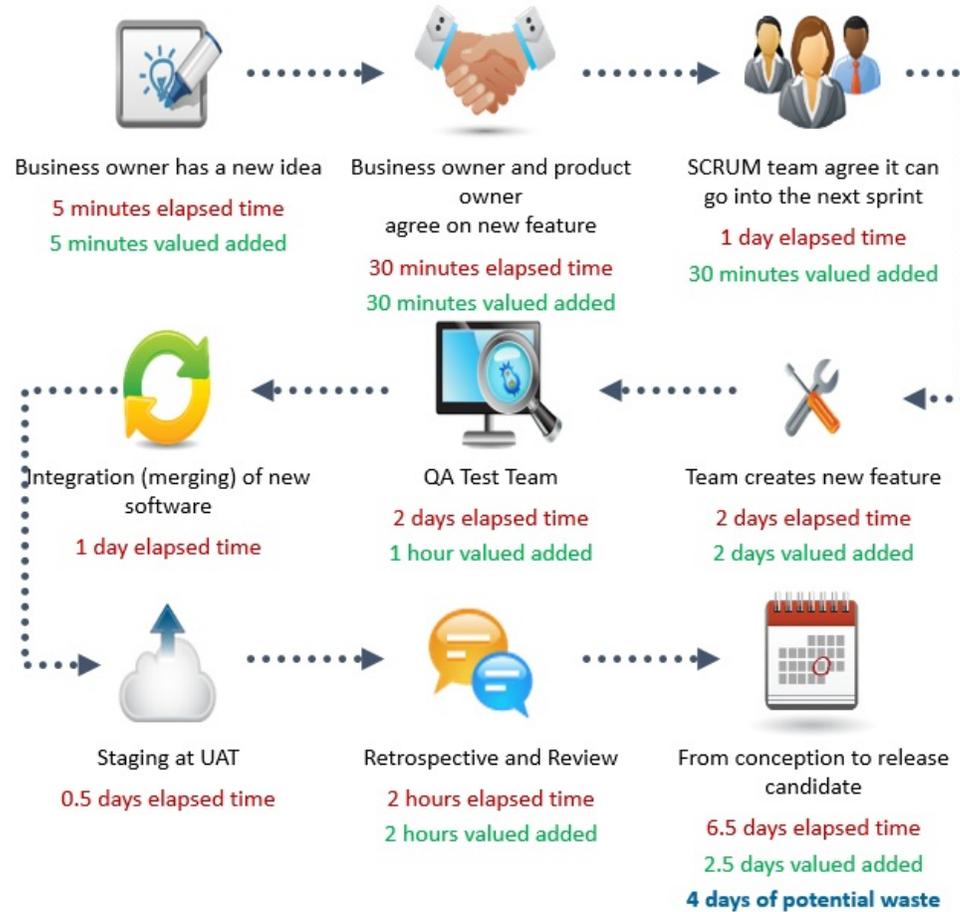
Filosofin - steg 1

The First Way: Systems Thinking



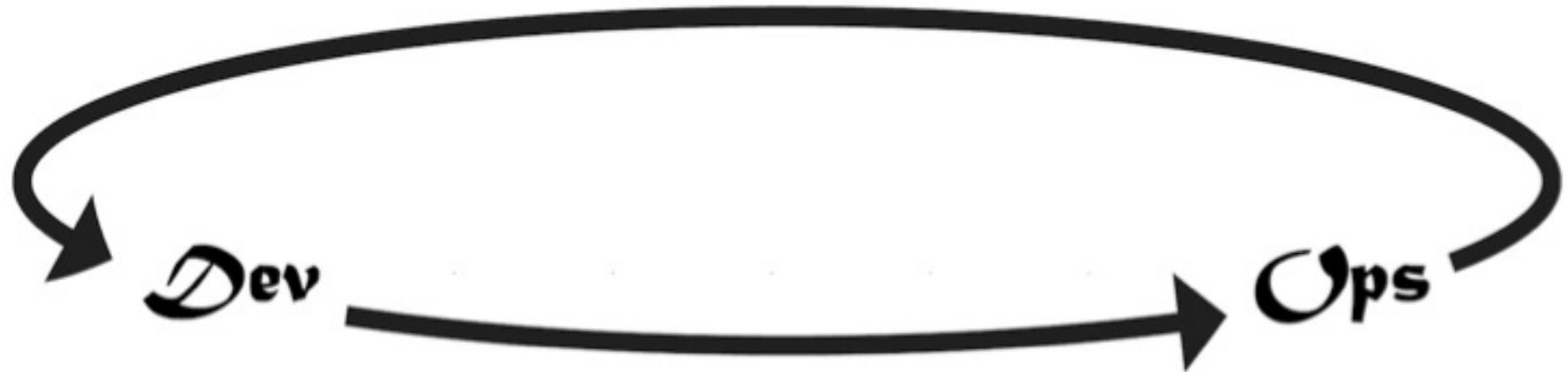
Value Stream

Value Stream Example: (concept to cash)

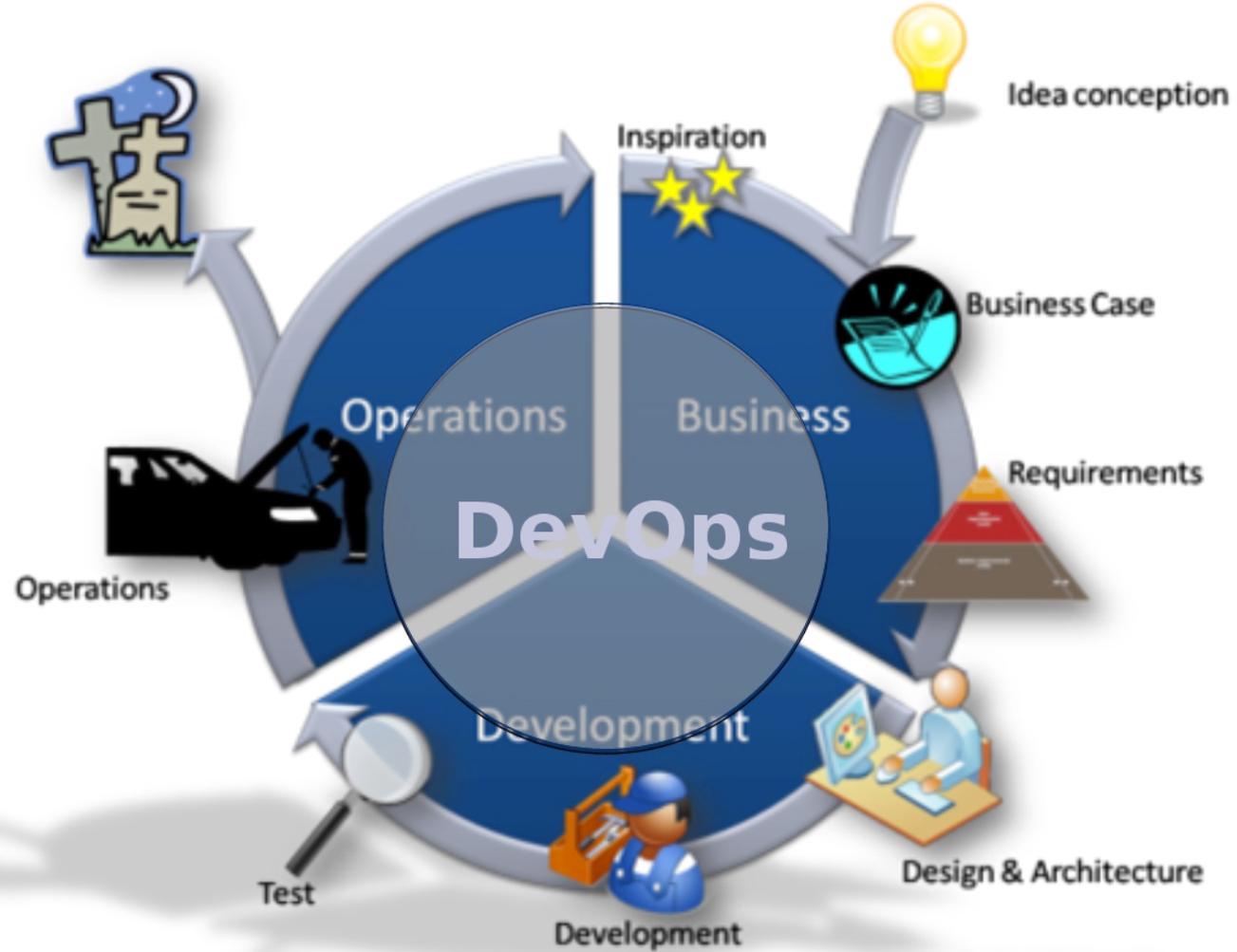


Filosofin - steg 2

The Second Way: Amplify Feedback Loops

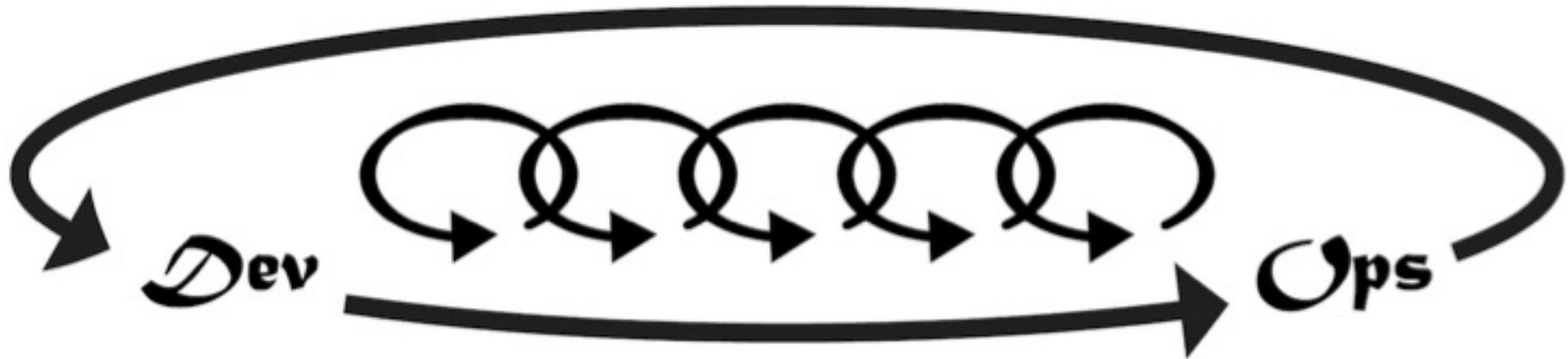


Cirklarörelse

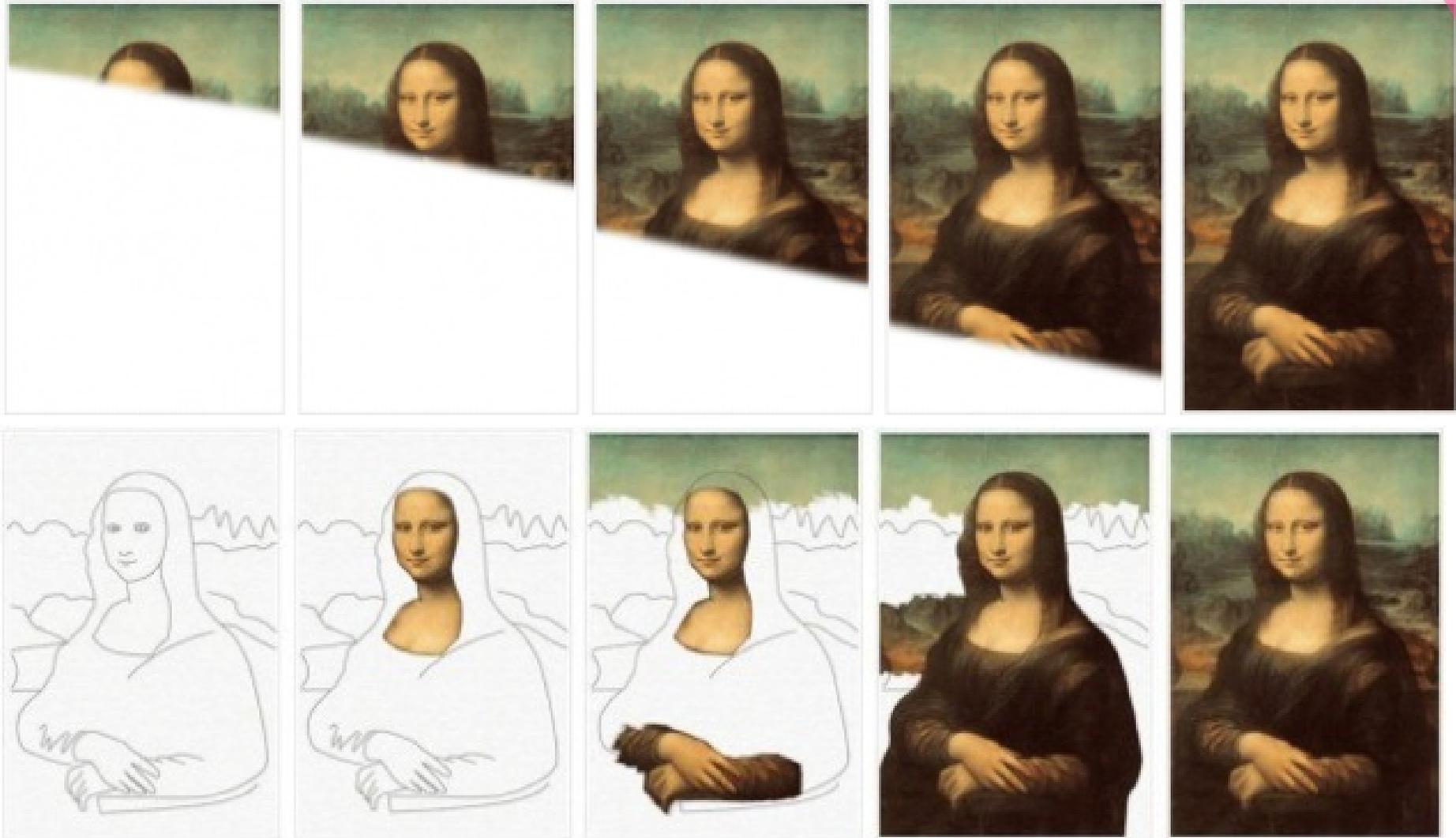


Filosofin - steg 3

The Third Way: Culture Of Continual Experimentation And Learning



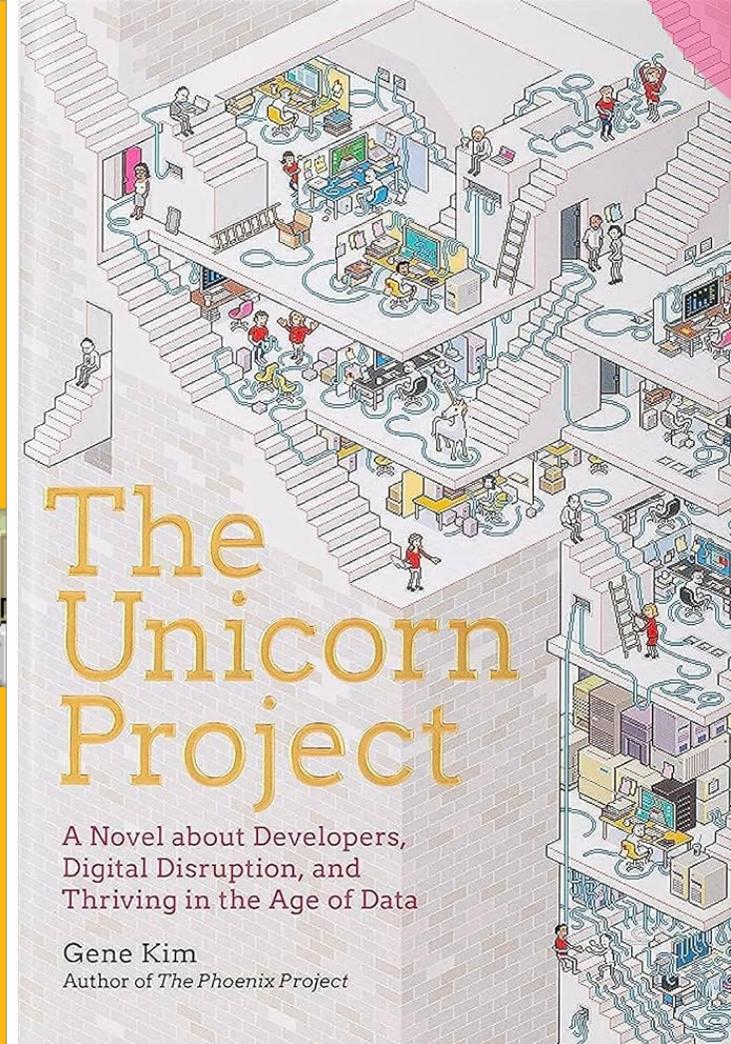
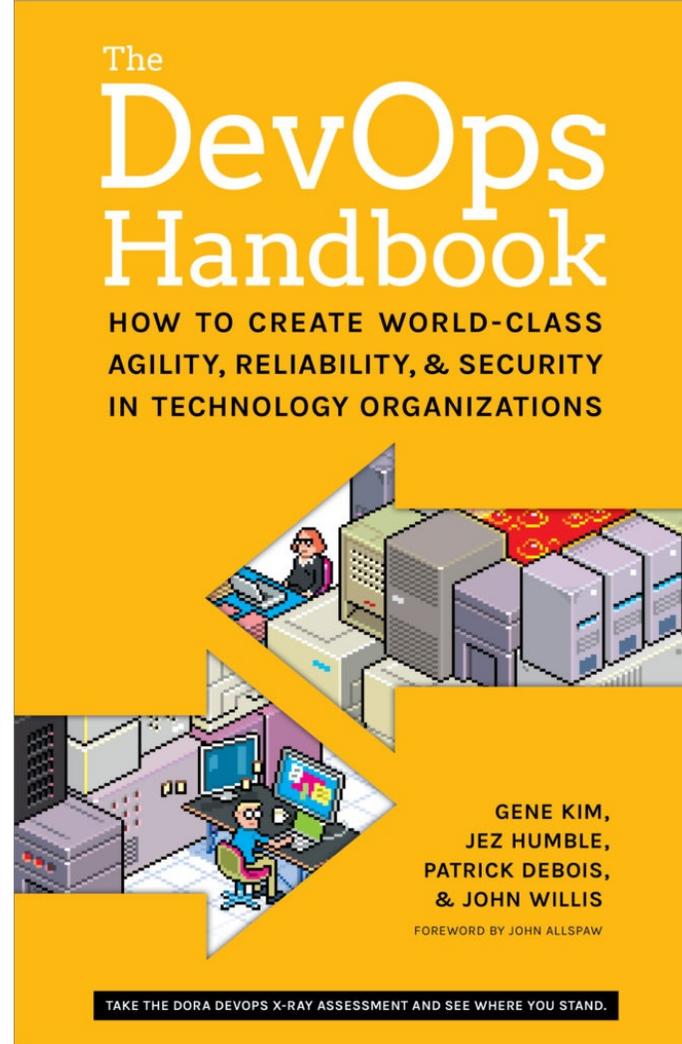
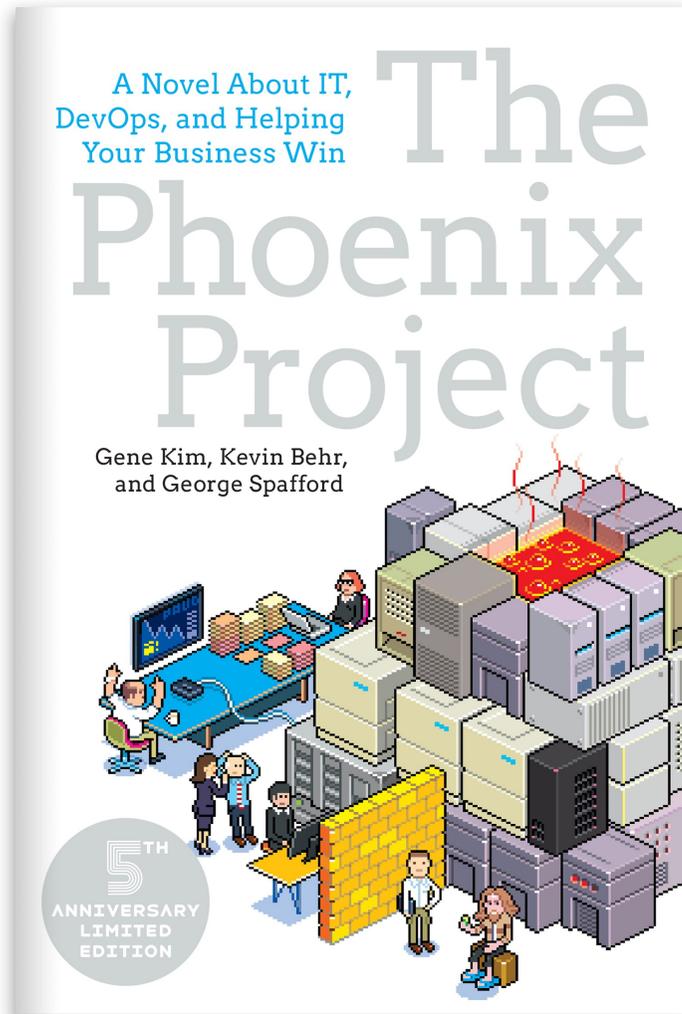
Inkrementering/Iteration



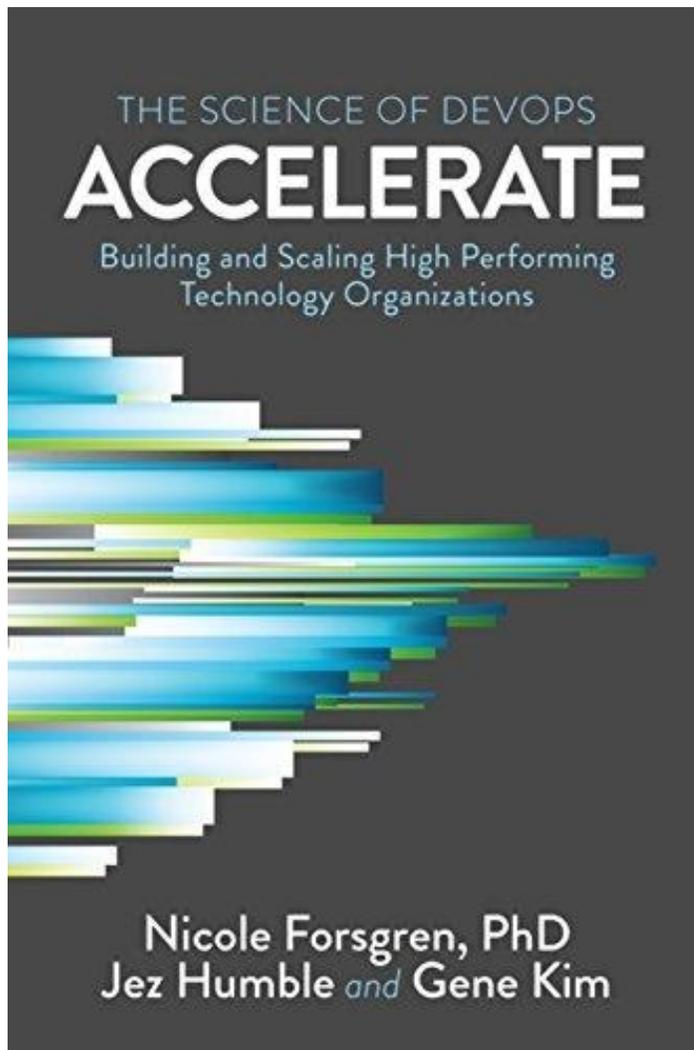
Resultat

Hur har det utvecklats?



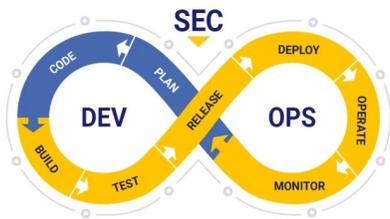


Rapporter



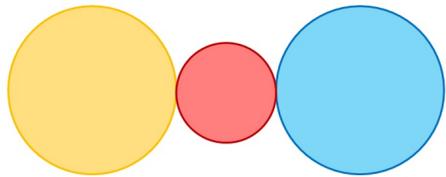
Varianter

- DevQAOps
- DevSecOps
- Site Reliability Engineering
- Infrastructure as a Service
- Platform as a Service
- Platform Engineering

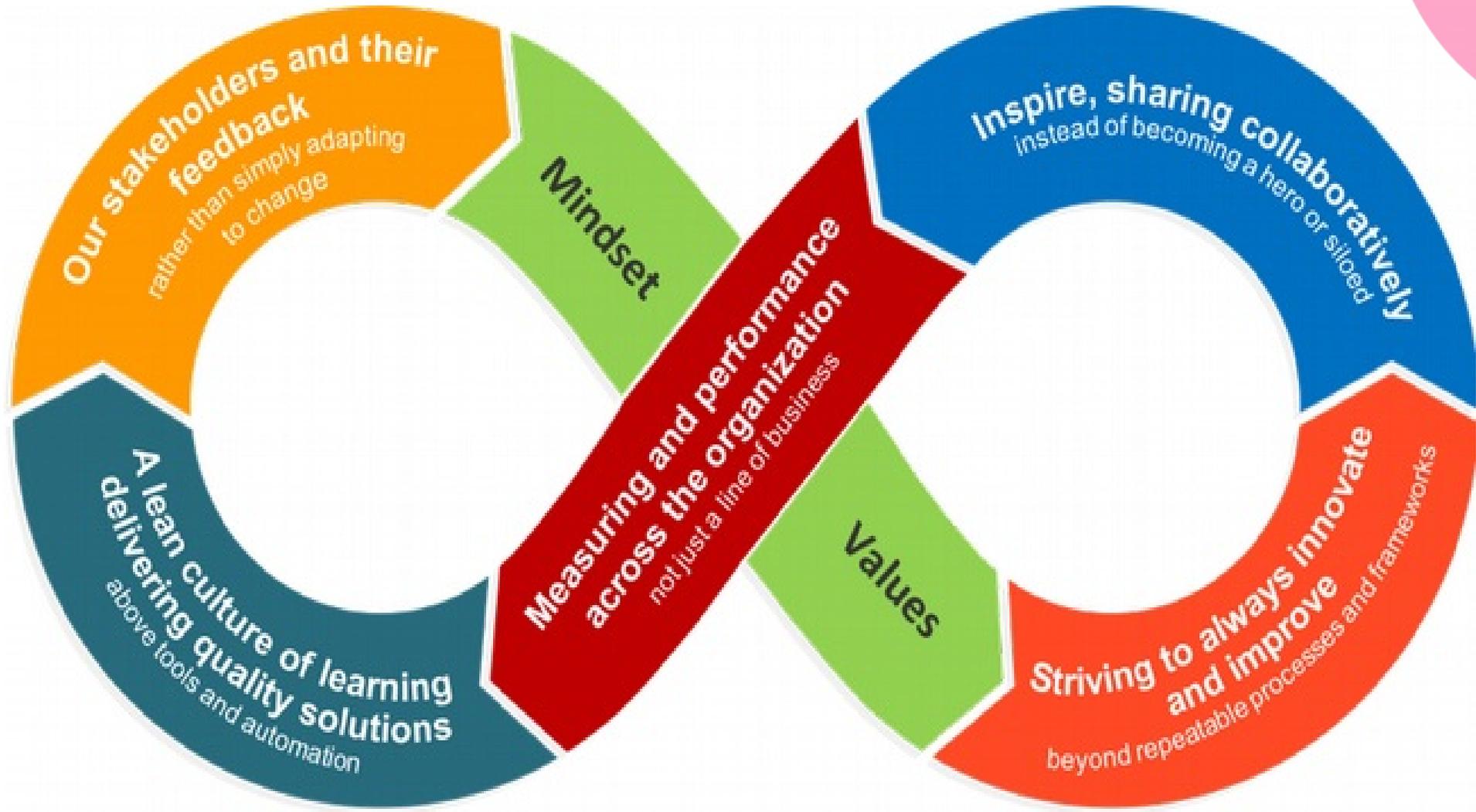


Möjligheter

Vad fann vi för utmaningar?

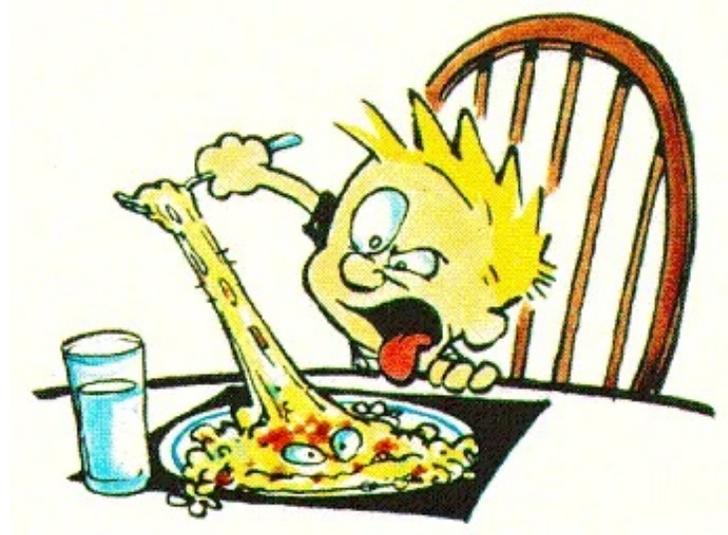


Kultur är svårt

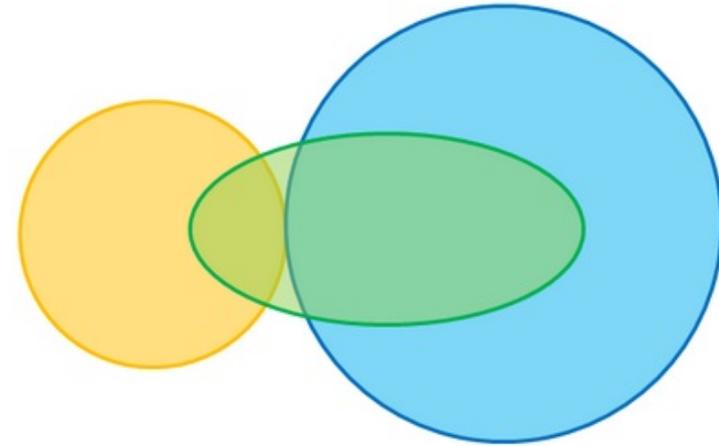
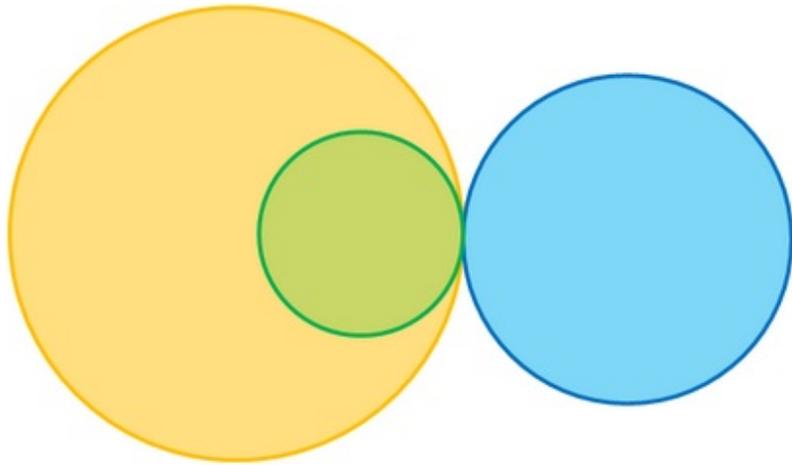
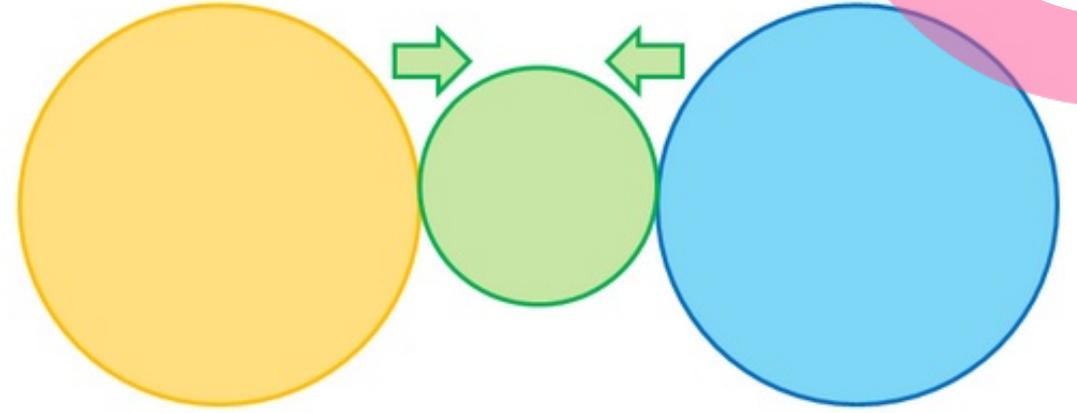
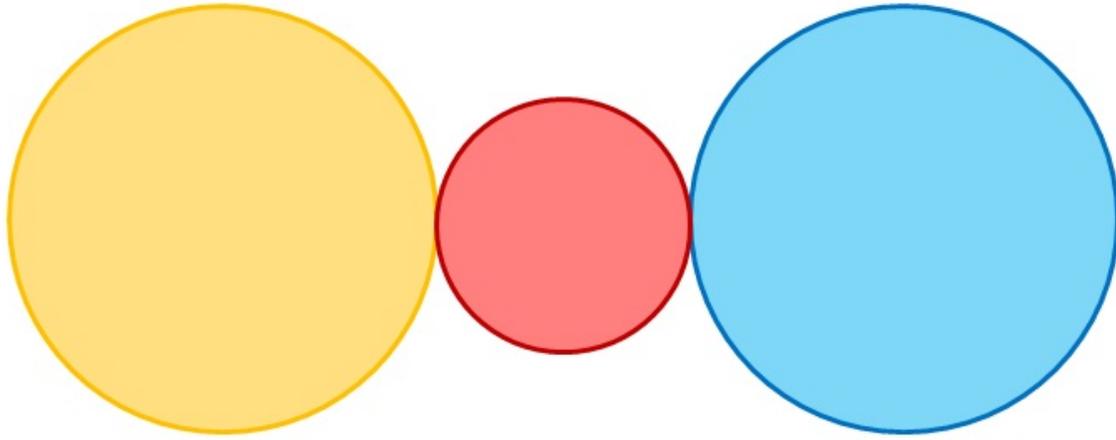


Antipatterns

- DevOps-Team
- DevOps-Engineer
- DevOps-Tools



The DevOps Team



DevOps Engineer - en en-persons-silo?

- Automationstekniker
- Systemadministratör

- Site Reliability Engineer
- DevOps Evangelist
- DevOps Coach

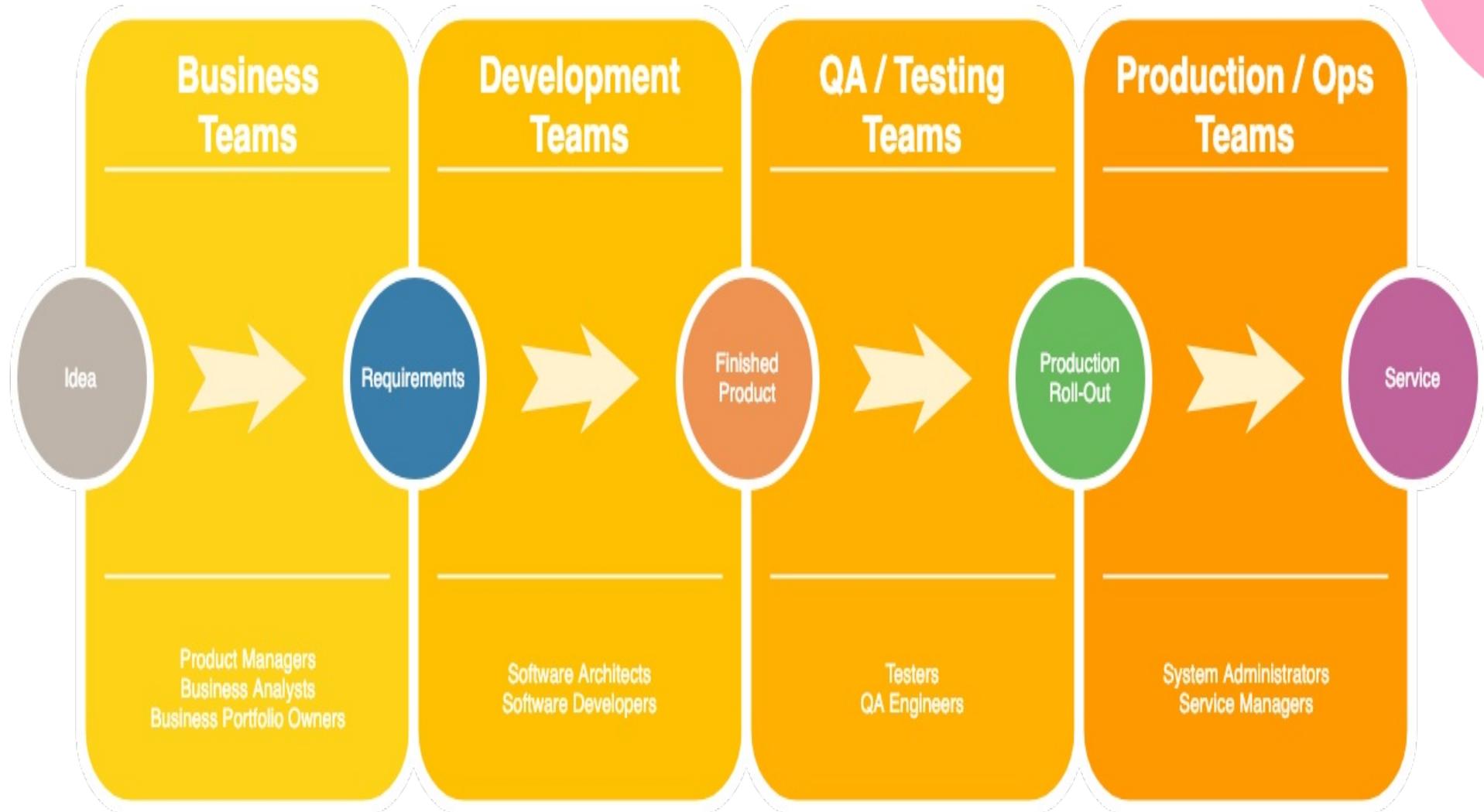


DevOps-verktyg

- Atlassian Open DevOps
- Azure DevOps
- DevOps Tooling by AWS
- Gitlab - The Devops Platform
- IBM Cloud DevOps strategy



DevQAOps & DevSecOps



DevOps is Dead



DevOpsDays

Vad gäller idag?



DevOpsDays

- 2009 - Ghent
- 2010 - Sydney, Hamburg, Mountain View, São Paulo
- 2013 - 22 platser
- 2017 - 51 platser
- 2019 - 80 platser
- 2020 - 32 platser
- 2023 - 62 platser



DevOpsDays London 2023

- Platforms are **Something-as-a-Service** - *Abby Bangser*
- **Observability** is Too Damn Expensive! - *Chris Cooney*
- **Systems Thinking** For Dev Organisations - *Lian Li*
- **GreenOps** in the cloud - *Sandro Cirulli*
- **Psychologically Safe** Reliability Management - *Lesley Cordero*
- Have **vendors** destroyed DevOps? - *panel debate*
- How To Train Great **DevOps Engineers?** - *Jack Mead*
- **Inclusion:** a positive experience - *Becky Pauley*
- Navigating **Unconscious Bias** in Open Source Communities - *Aakansha Priya*
- DevOps **over time** - *Kat Samperi*



State of DevOps Report 2023

- *Focus on **users***
- *Technical **capabilities** predict performance*
- ***Documentation** is foundational*
- ***Reliability** unlocks performance*
- ***Flexible** infrastructure is key to success*
- *None of this works without investing in **culture***



SAFe



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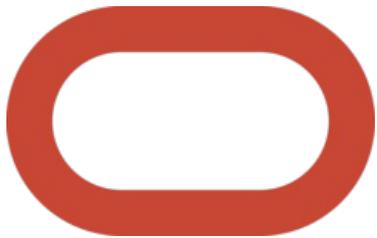
Mot oändligheten och vidare!

Hur ser framtiden ut?



Förutsägelser

- DevOps som kultur är här för att stanna
- Platform Engineering och Something-as-a-Service behöver också DevOps
- DevOps som buzzword kommer att finnas kvar ett tag till
- Psykologisk trygghet är en viktig del av DevOps-kulturen



Over and out

