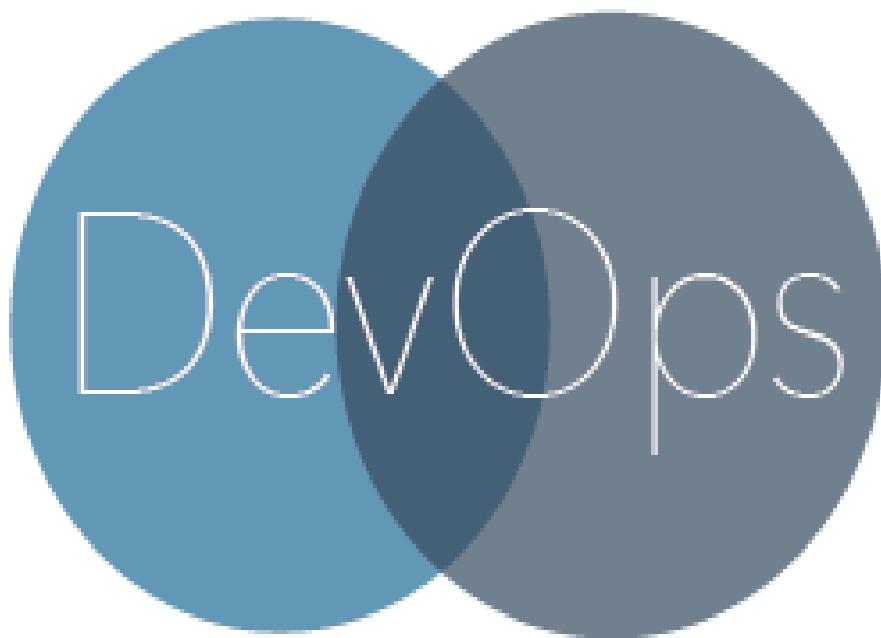


The synergy of DevOps

Daniël Maslyn
Sogeti Test Event
16 Feb 2017



Dev Ops Growth
Testing Challenges
Quality in Dev Ops: What's the Context?

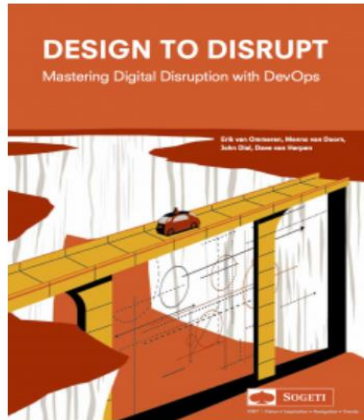
SOGETILabs

Dev Ops Growth

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MASTERING DIGITAL DISRUPTION WITH DEVOPS



In our previous disruption reports we sketched the prospect of the 'Valley of Death'. Traditional organizations will end up in this track of deadly peril if they fail to come up with a timely solution to disruption. What should organizations do to be successful in digitally disruptive times? Organizations like yours, presumably, which were not born in the Web 2.0 age and do not bear names like Spotify or Dropbox. Names are irrelevant in this context (other fashionable terms will probably pop up in the near future) — what matters is the direction that is now becoming clearly apparent. The marketers call it the Lean Startup. The IT departments are talking about DevOps. The experts in the field of management speak of management innovation. All three of them have the same thing in mind: stop wasting people's time, bring the human component into focus and accelerate innovation. Good ideas about how to learn from the digital disruptors do not appear out of nowhere. We present DevOps both as the practice and holistic approach to survive and thrive digital disruption.

[ENGLISH](#)

[DUTCH](#)


BLOCKCHAIN: CRYPTOPLATFORM FOR A FRICTIONLESS ECONOMY



Welcome to the wondrous world of the complex and highly imaginative crypto-economy. The world of block- chain and bitcoin, of miners, sandboxes and hashes. If you are not well-up in this subject yet, you may easily fall under the spell of the fascinating and fast-growing crypto-environments. And even if you have already made a study of the subject, some elements of the crypto-economy may remain mysterious and to some extent intangible.



Sander Duivestijn



Rick Bouter



Loïc Cotonéa

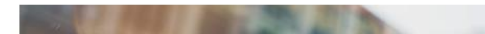


Laurent Guérin

RESEARCH

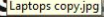


CONTACT US



DevOps & Continuous Delivery

Growth is Driven by New Products and Offerings

Today many businesses are discovering that IT and systems agility is a prerequisite to  successful Business Agility:

- Monolithic legacy systems and lengthy release cycles often impede an organizations ability to adopt new business processes quickly
- Newer and more nimble solutions provide a fast ROI through operational improvements
- Agile design and delivery methods speed the time to market and reduce risk by identifying issues earlier in the development process
- Lean processes and advanced automation tooling empower organizations to adopt change at a previously unachievable rate

Competitive Advantage is driven by time to market

“Software Innovation through real-time experience and incremental development is one of the 10 most important dimensions encompassing the qualities that make agile companies faster and more responsive to change” – Forrester

REAL-LIFE DEVOPS METRICS

Strong IT performance is a competitive business advantage

"Firms with high-performing IT organizations were twice as likely to exceed their profitability, market share and productivity goals. "

DevOps practices improve IT performance.

"IT performance strongly correlates with well-known DevOps practices such as use of version control and continuous delivery. "

High-performing IT organizations



Deploy 30x
more frequently



Have 200x
shorter lead times



Have 60x
fewer failures

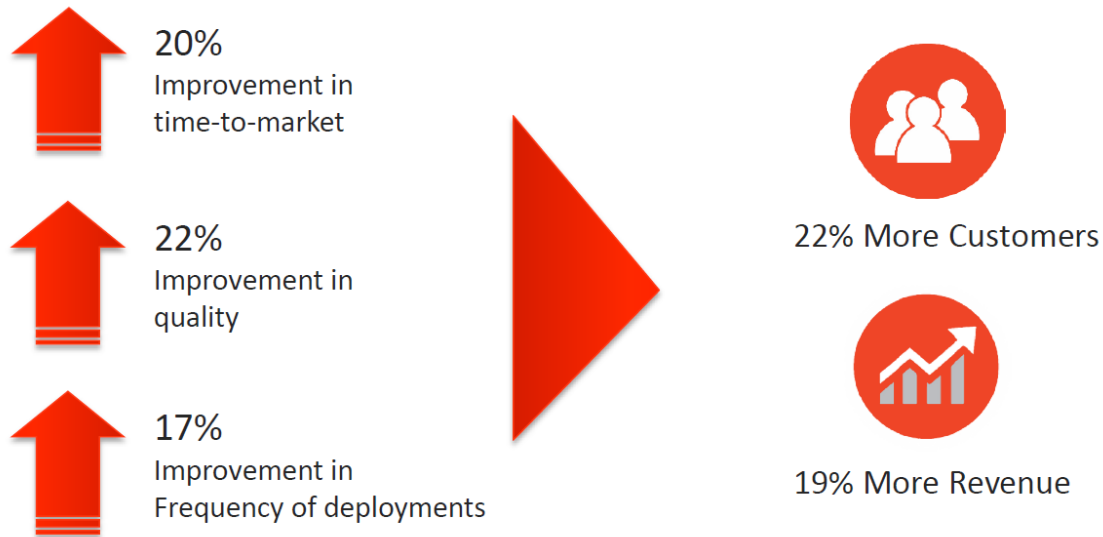


Recover
168x faster



DevOps Benefits Are Real and Quantifiable¹

Survey Question: What Has Been the Percentage Improvement, Increase or Reduction for Each of the Quantifiable Benefits You have Seen?



Source: Computer Associates, "TechInsights report: What smart businesses know about DevOps", January 3rd, 2014

Dev Ops Growth Testing Challenges Quality in Dev Ops: What's the Context?

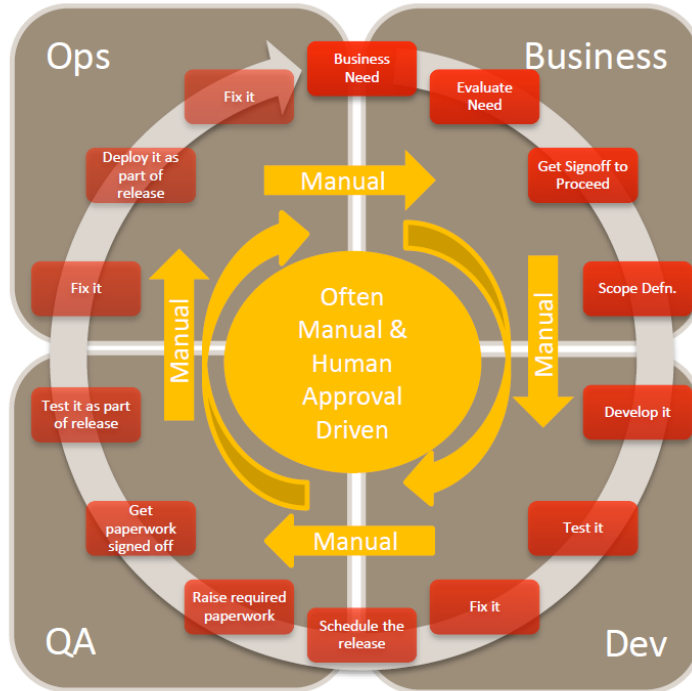
Dev Ops Growth

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Today's Process –Getting an Idea into Production

Organizational Silos



Common Challenges

- Competition wins on time to market
- Customer commitments not delivered
- Business decisions on dated information
- Customers wait

DevOps

What is DevOps



A way of **collaborating** and industrializing using highly automated approaches to deploy solutions that evolve as fast as your business needs it.



A team centric ethos that **tears down** traditional **silos** to tightly integrate business, development and operations to drive agility and service delivery excellence across the entire lifecycle.

By adopting DevOps an organization can dramatically improve the **value delivered** by its business.

Enable Business



**Improve
Customer Satisfaction**



**Increase
Resilience**

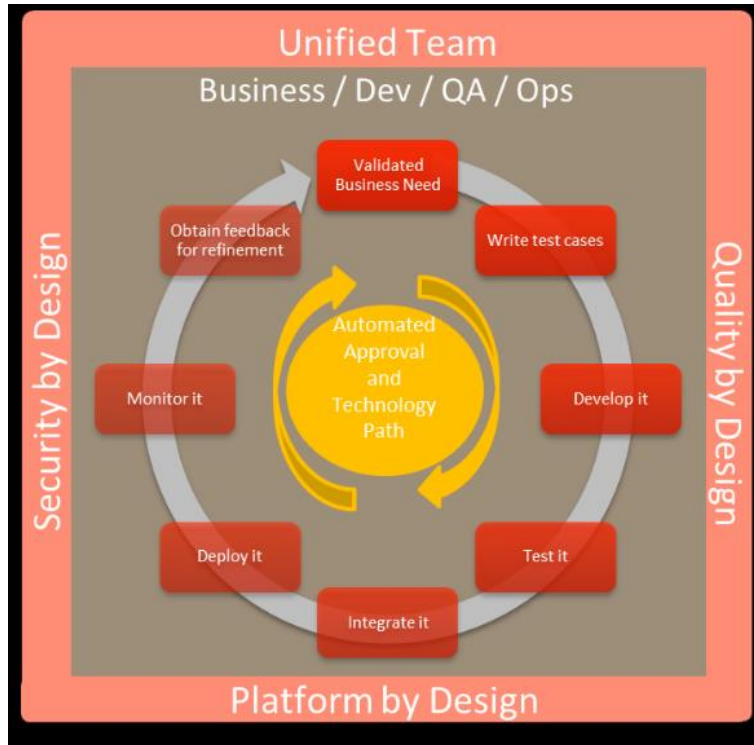


**Improve
Time-to-Market**



**Increase
Cost Efficiency**

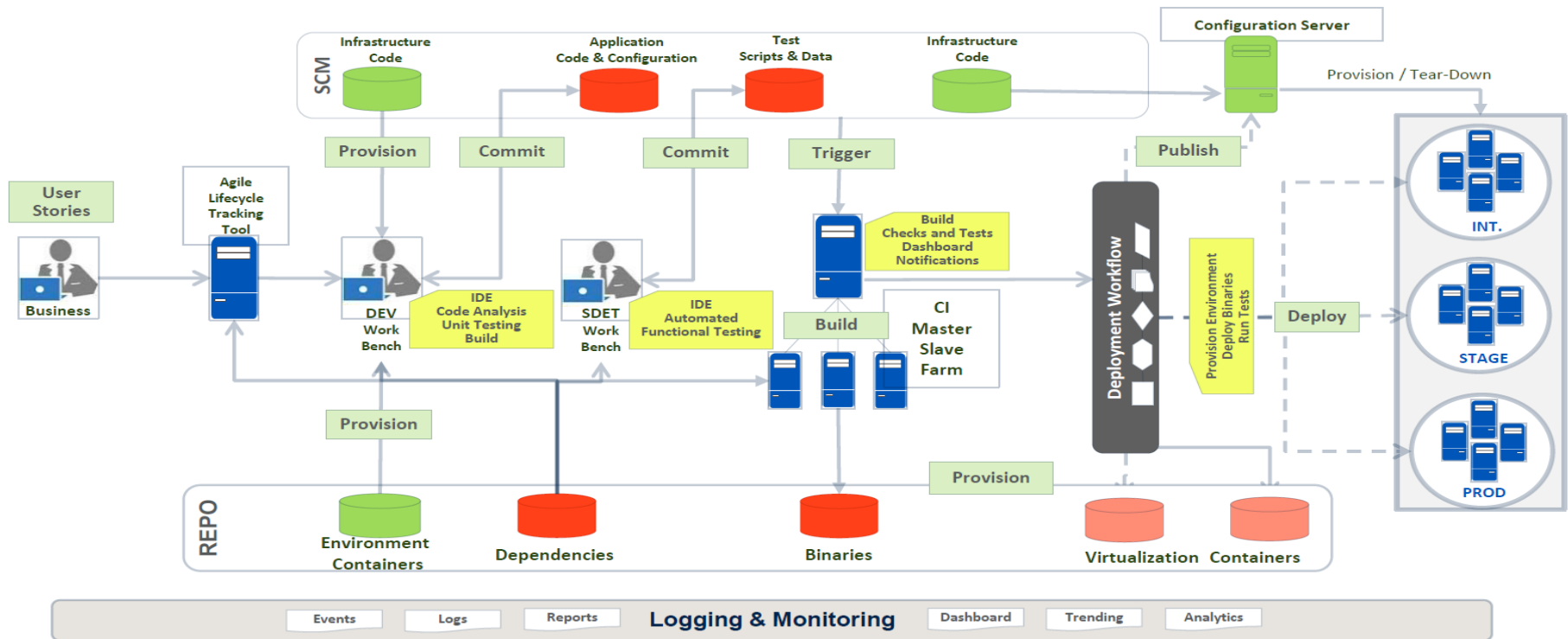
Updated Process



What Changes (Working and thinking differently)

- Redefine teams
- Enable behavioral change
- Restructure release planning
- Apply end-to-end lean concepts
- Automate

DevOps Tooling Flow

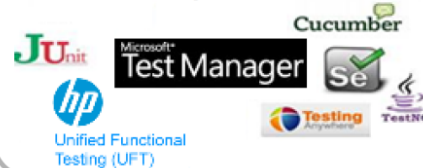


Technology and Tools –Many Options

Process Management



Quality Assurance



Configuration Management



Source Code Management



Deployment



Development



Continuous Integration



Monitoring



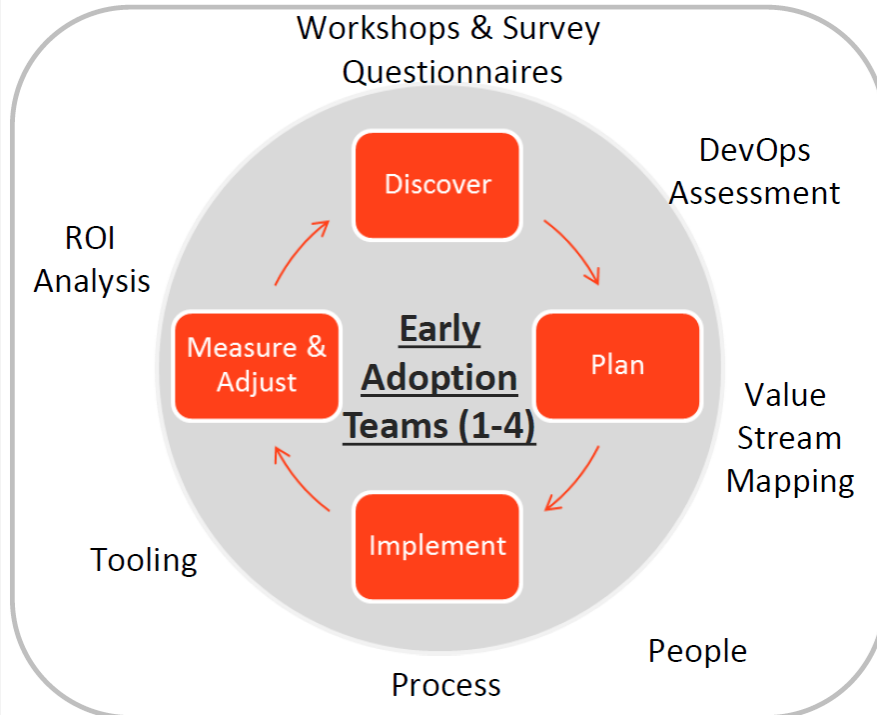
Tooling selections vary widely

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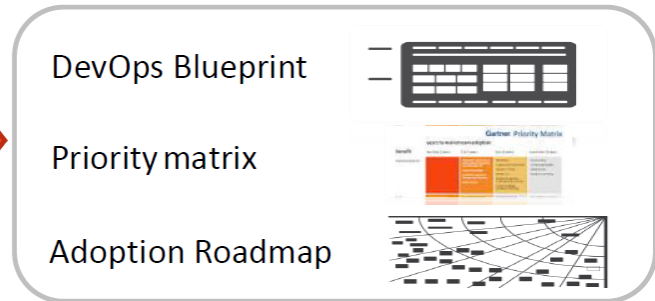
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Transformation Journey

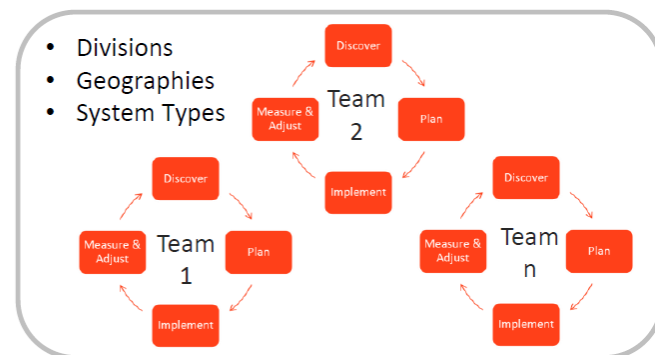
Begin with Early Adoption Teams

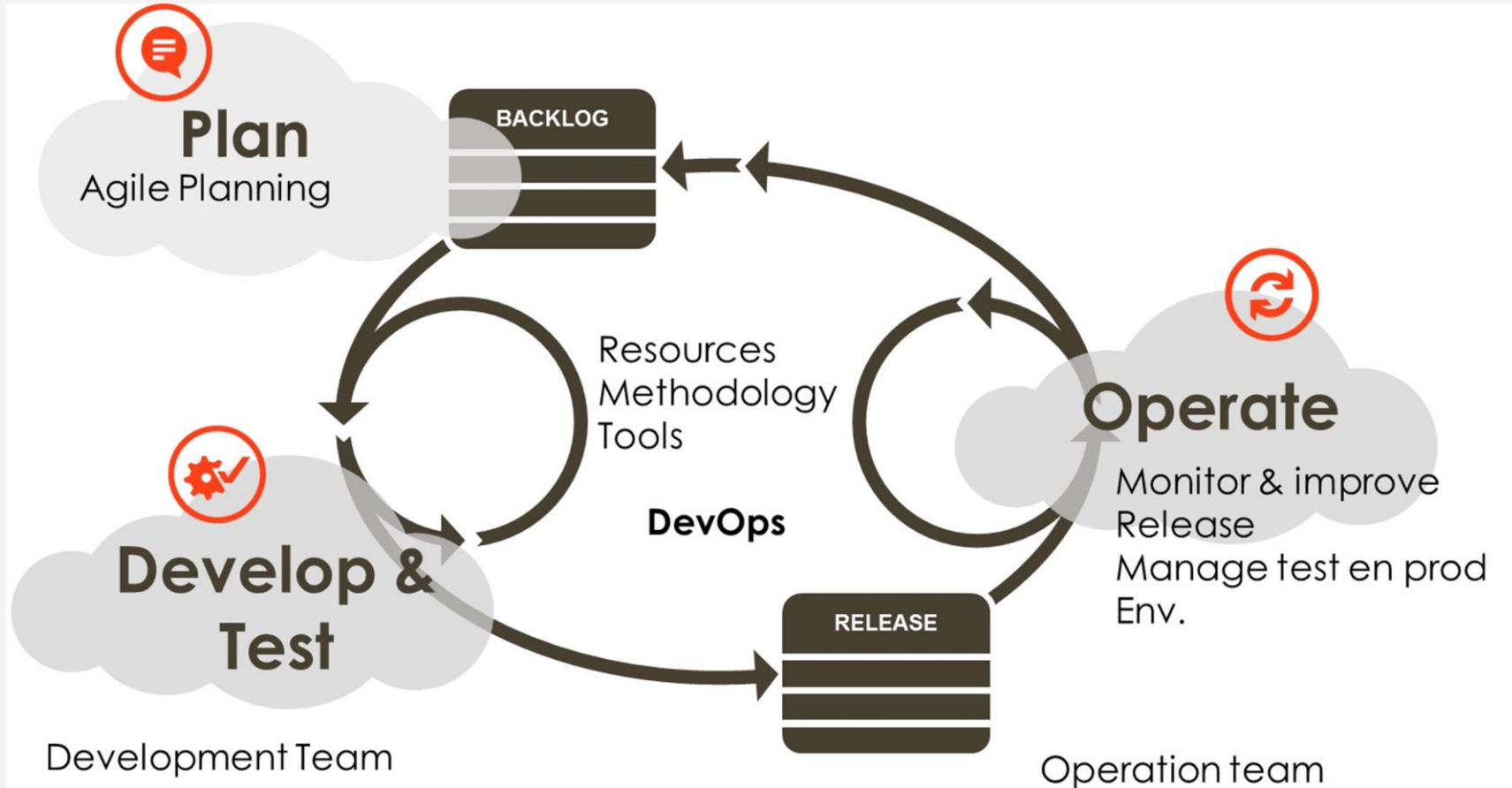


Continue with Enterprise Planning



Implement across Enterprise





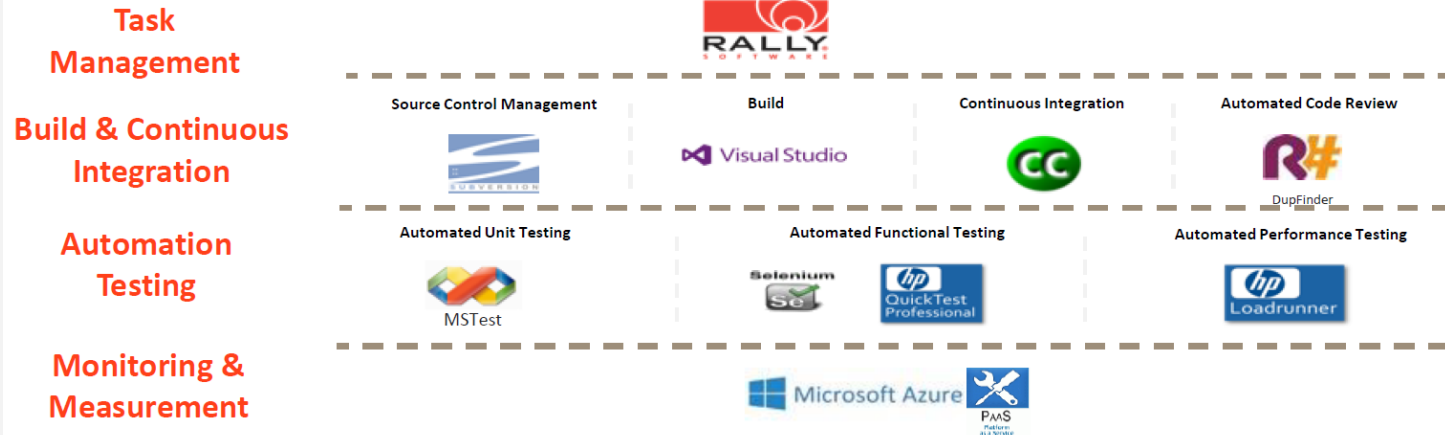
Case Study: Benefits - DevOps at Consumer Services Client

Objectives

- Reduce errors in deployments
- Identifying bugs faster
- Reduce human errors
- Decrease the developers cycle time

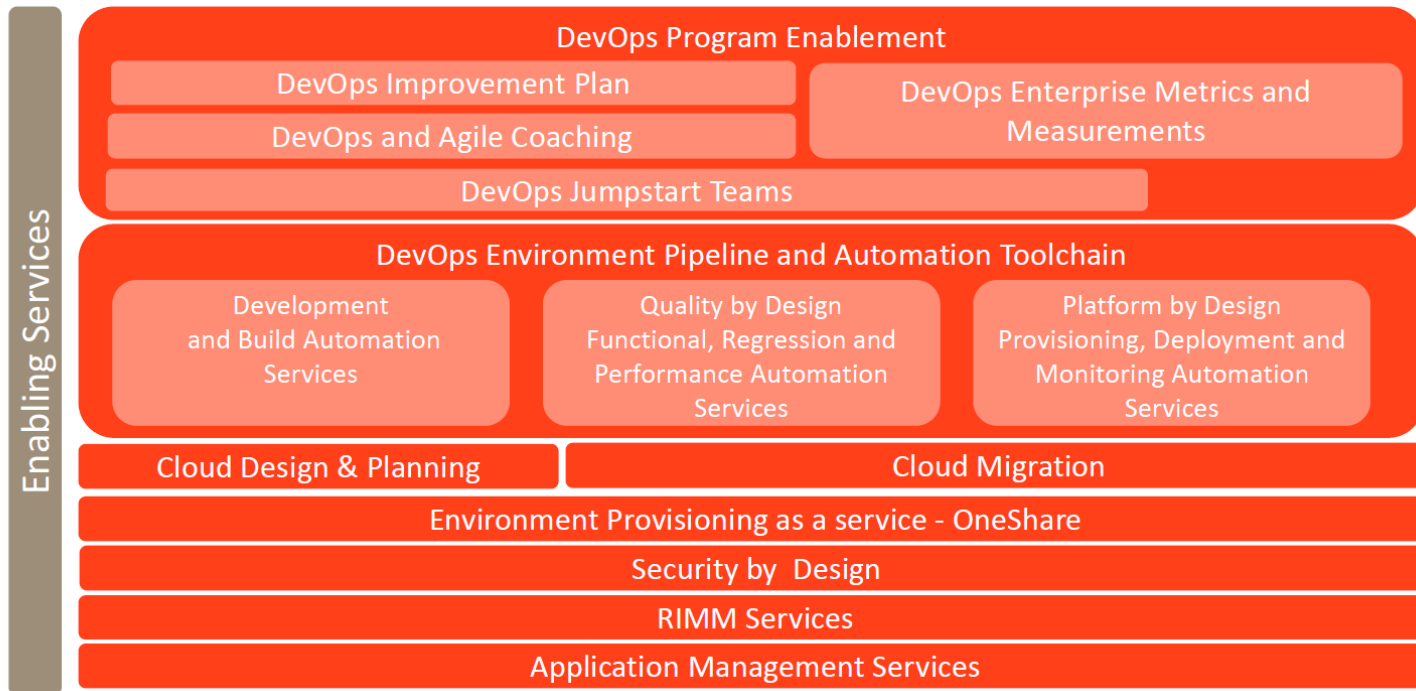
Benefits

- Feedback within 8 minutes of code check
- Build time reduced to 25% of prior time
- Deployment errors reduced to <1% (from 46%)





Sogeti Service Catalogue



QUESTIONS ?

