

Pivotal

Platform as a Product

Or, taking the ops out of dev
Or, a platform strategy toolkit

Sep, 2019

@cote

“In the 2019 Gartner DevOps Survey, 60% of respondents said that their organization is currently using the product and platform team structure for its DevOps efforts. Respondents who use the product and platform structure report a significantly higher level of average customer satisfaction (59% saying customers are ‘highly satisfied’). They also reported a significantly higher degree of average success in scaling DevOps (59.5% saying ‘very successful’) as compared to those not using a product and platform structure.”



Microsoft -> AWS

Heterogenous -> multi-cloud

Service desk -> backlog

ITIL -> ~~DevOps~~SRE

Biz/IT alignment -> Projects-to-products

Enterprise architecture -> Cloud Native Platform

OO->SOA->ESB->microservices->events

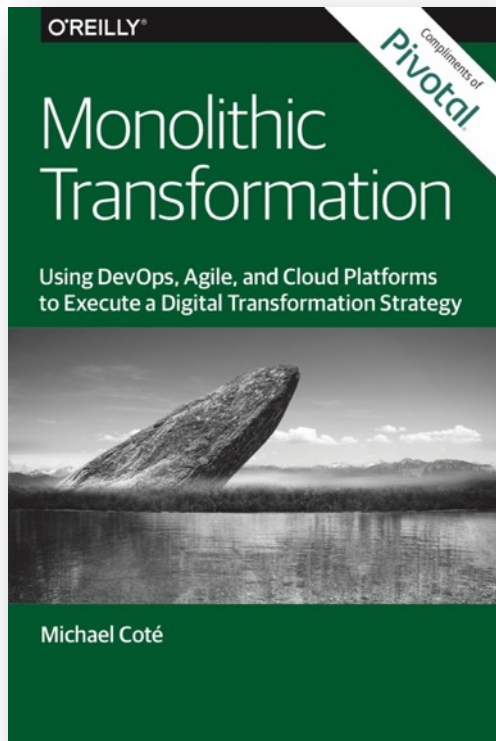
Scrum Master -> product manager

Automation->automation



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<https://cote.io/books>

Pivotal

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Pivotal™



The Register®

RedMonk

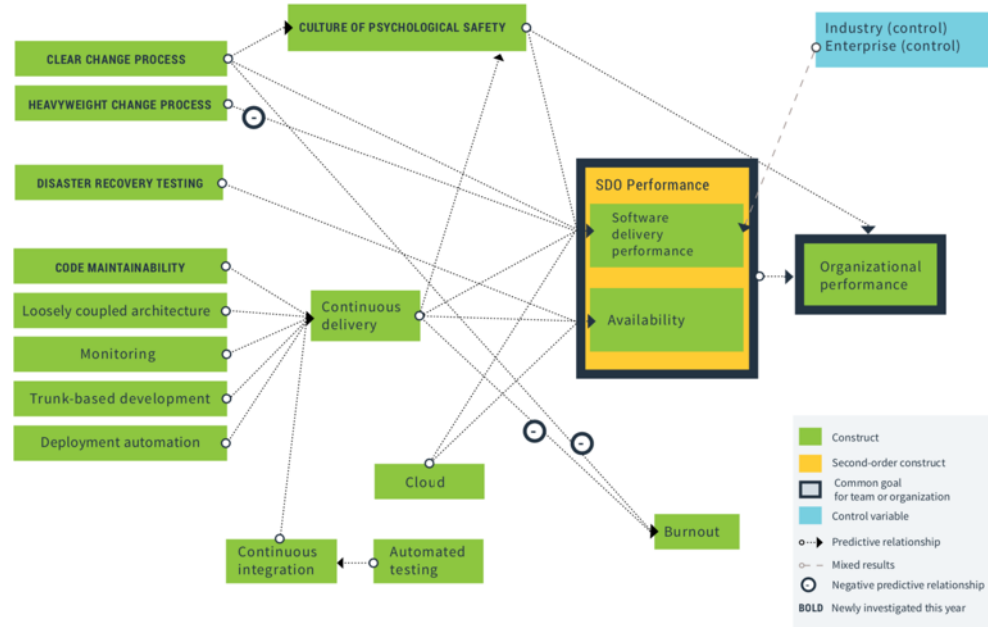
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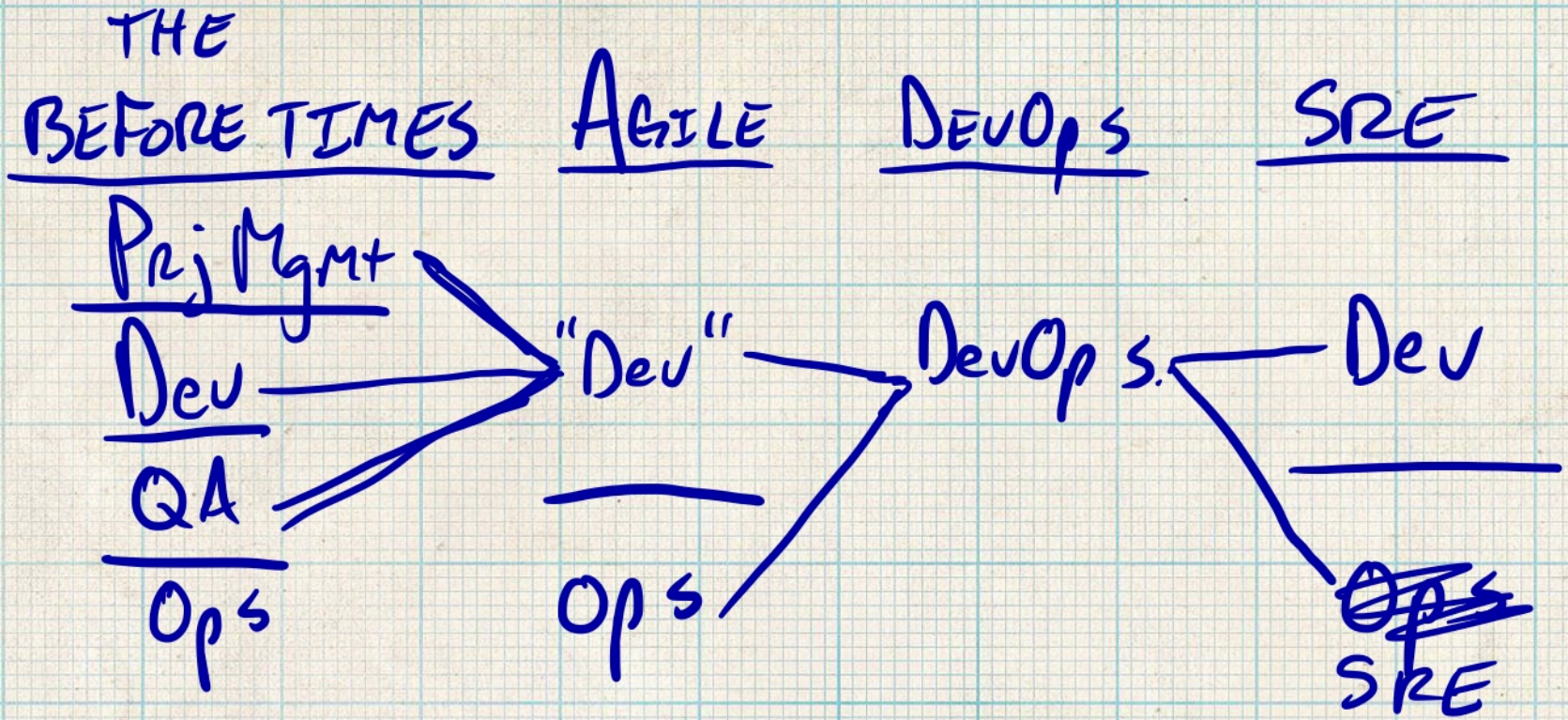
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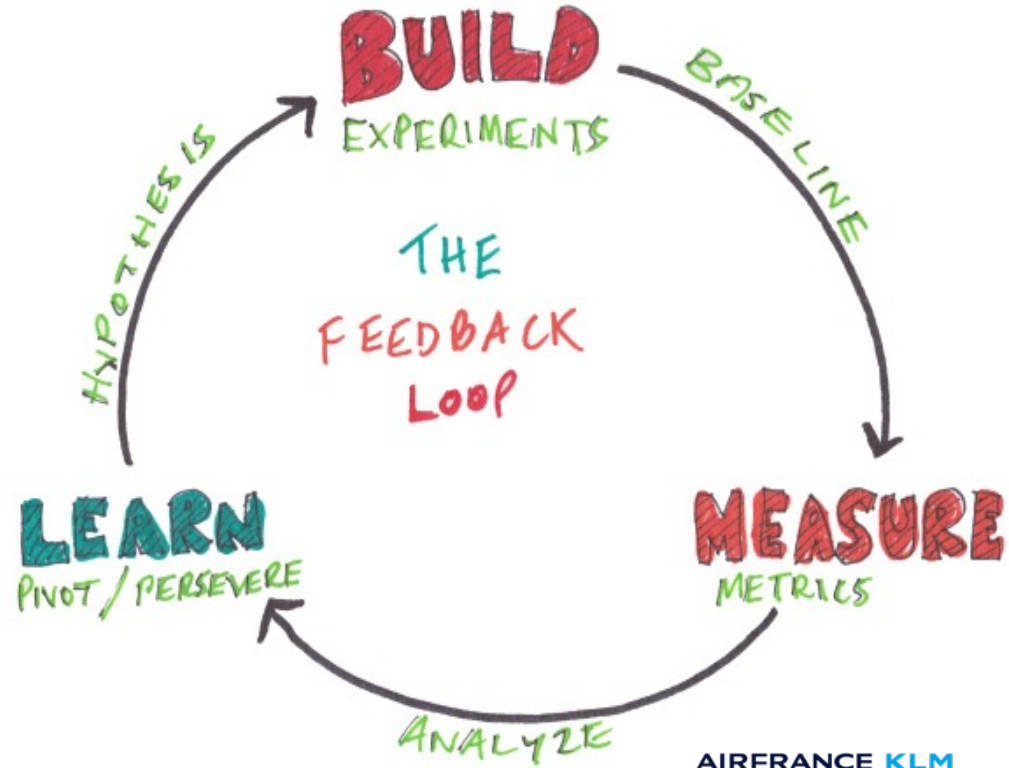
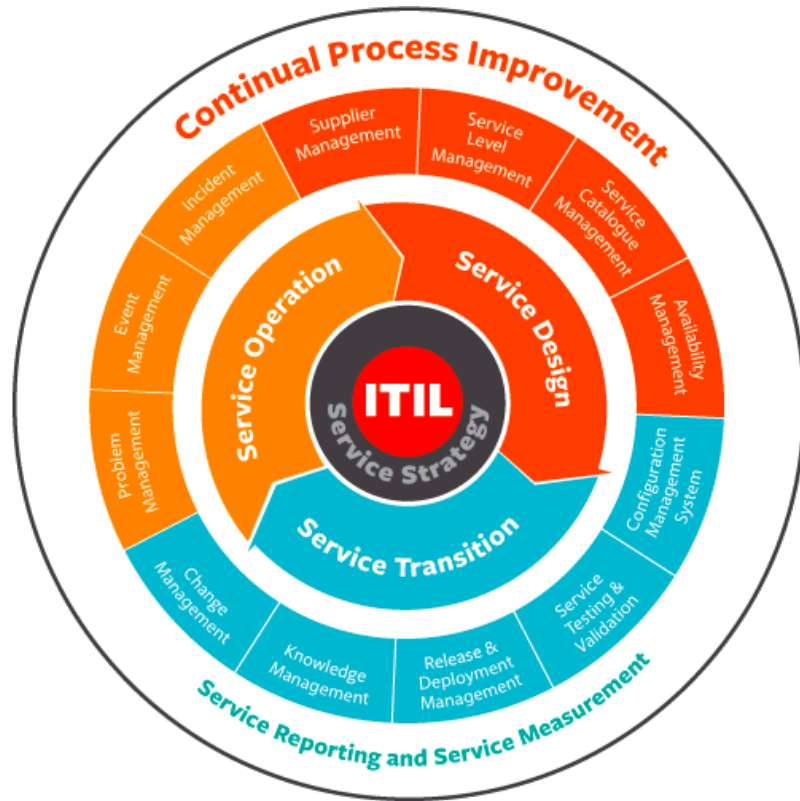
bmc software

SOFTWARE DELIVERY & OPERATIONAL PERFORMANCE





Shift from *Service* Delivery to *Product* Delivery



AIRFRANCE | KLM

Product management for ops

..developer should have to do the least amount of work possible to deploy to the platform.

..just push from the CI tool without worrying about change tickets, security scanning, or approvals because it all happened through automation.

..Operational readiness, compliance, logging, monitoring, paging and notifications, etc should all be automatic.

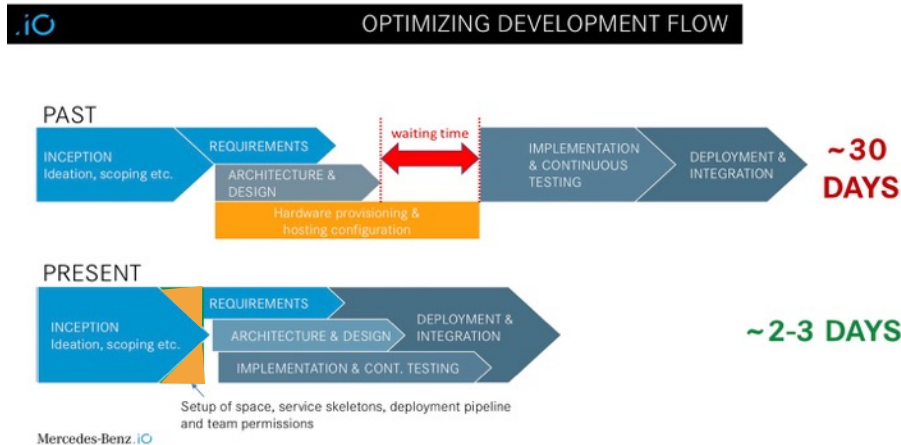
..Developers want to focus on delivering value as much as anyone else in the company. Get them out of administrivia. I assure you that they will buy into an opinionated pattern if it means more time solving problems for customers.

Automate -> self-service



“The code to accomplish these tasks might be dozens of lines of JavaScript, which would be a trivial amount of development compared to what it takes to set up the servers with the proper environment to run the code.”

Finding toil: what does it take to deploy one line of code?



DAIMLER

Functions

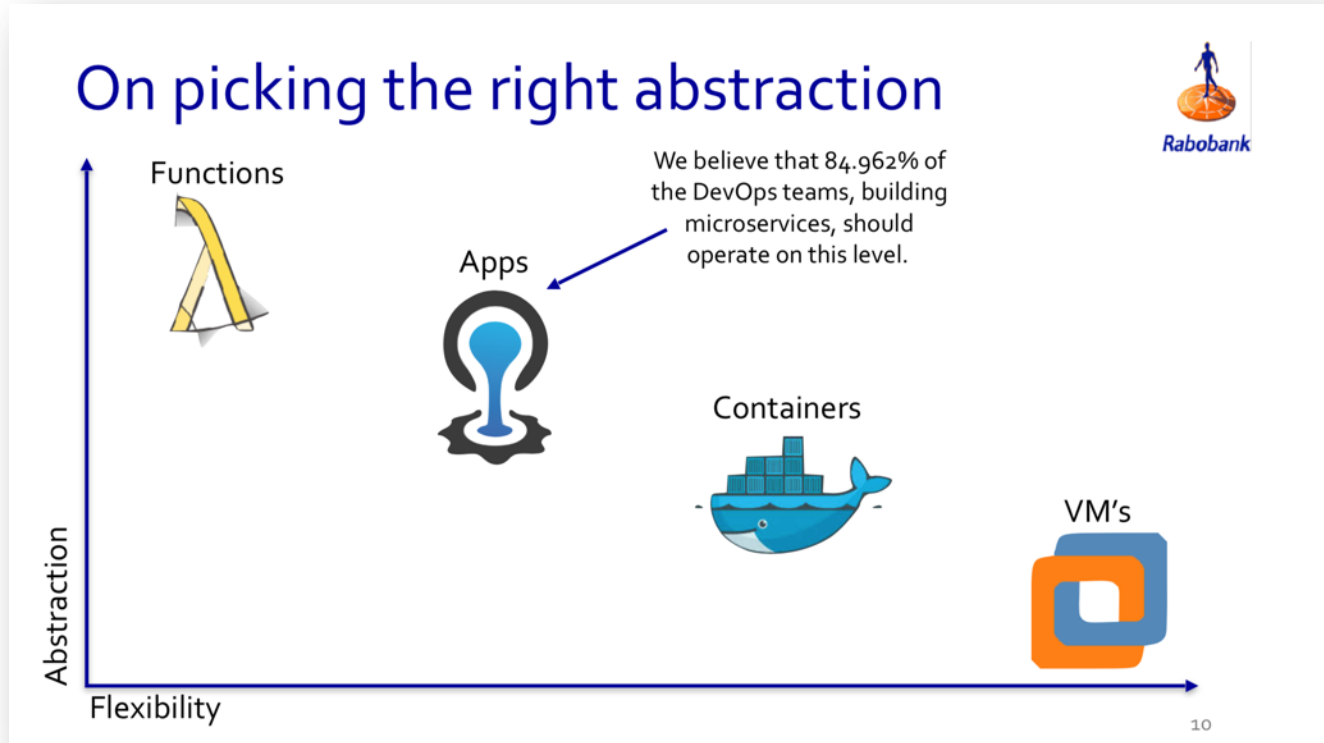
- Removes toil with automation & programming
- Stands up & manages the platform
- Creates shared services/middleware/etc.

Insane staff efficiency

- T-Mobile USA: 8 ops to 300 developers, 11k containers.
- Dick's Sporting Goods: 6 ops to 120 devs.
- Well Fargo: repaves production every 3 days

Standardize on a platform

PoC w/devs, choose, govern, & garden the right platform



Enterprise architecture -> platform & pipeline



Govern process & platform

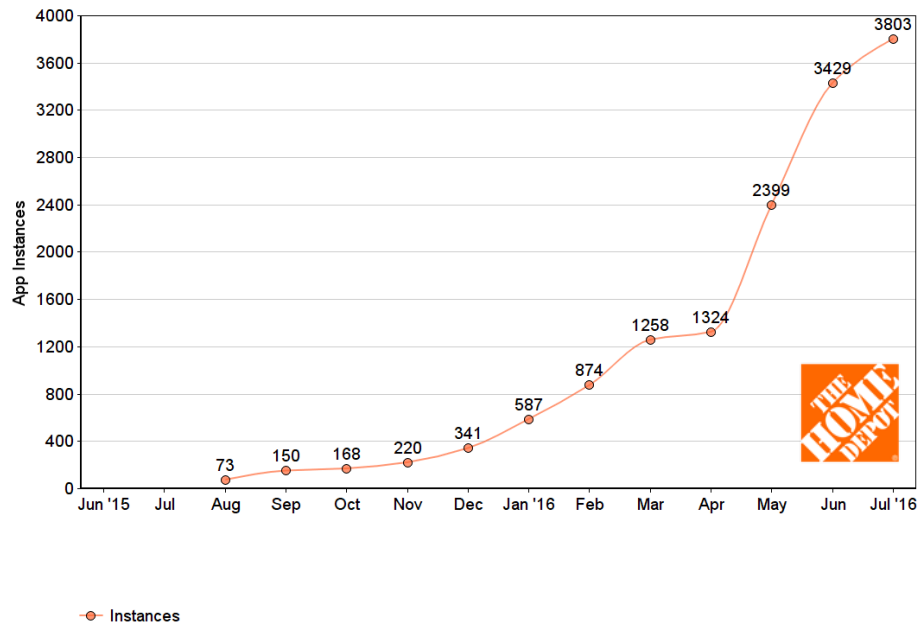


Automate governance



Don't let developers build platforms

Rolling it out, ongoing management



- Start delivering a new platform capability with Pivotal at my location and/or a Pivotal office

Launch the platform capability

Build a balanced product team, get app into production.

Pivotal platform dojo

PKS small deploy

Platform health check

Pivotal platform dojo

Platform health check

Pivotal platform dojo

Dedicated support engineer/Customer reliability engineers

- Ingrain reliability practices in my team, with Pivotal's help

Extend the platform

Launch more capabilities, cement culture and practices

- Scale delivery of the platform with my team at my location

Use the platform at scale

Culture established, Pivotal ramps down

Budget for initial consulting

Organizational Learning



- Spend lots of time initially working with product teams
- You're often the most qualified to know the platform and even how to program for it
- Budget this time and staffing in, don't get shocked by actuals versus long-term dev:ops ratios.

What a successful platform as a product look like

Strong Executive Sponsorship with a well communicated vision

A Fully Dedicated and Balanced Team
(Product Owner/Product Manager, Platform Engineers)

Empowered to:

- Define Product Strategy
- Prioritize Backlog
- Release Updates & Patches to Platform
- Challenge Legacy Processes
- Focus on Reliability

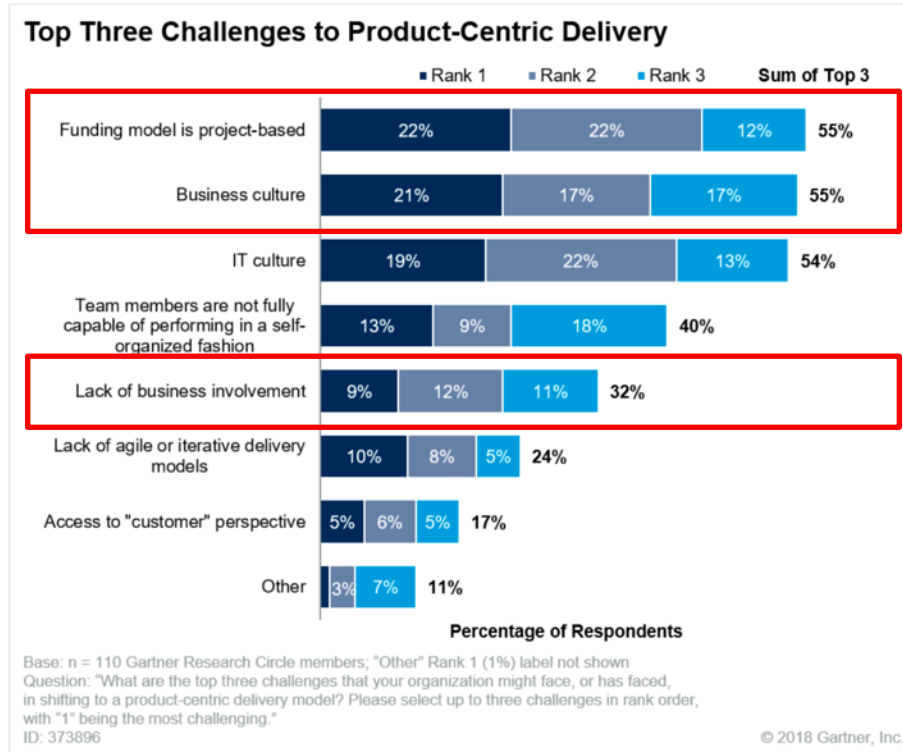
By:

- Speaking Directly to Developers
- Conducting Hypothesis Driven Experiments
- Using Quick Feedback Loops
- Making Metric Driven Decisions

Resulting In:

- Solutions to Real Business & Customer Problems
- Minimizing Waste
- Increased Velocity
- Maximized ROI
- Good Product/Market Fit

“The Business” is now the bottleneck



Note: Due to rounding, numbers may not add up precisely to the totals shown.

Source: Gartner (October 2018)