



# Scaling Continuous Delivery Across the Enterprise

CONTINUOUS DELIVERY THAT DRIVES SUSTAINABLE BUSINESS VALUE

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# Scott Willson

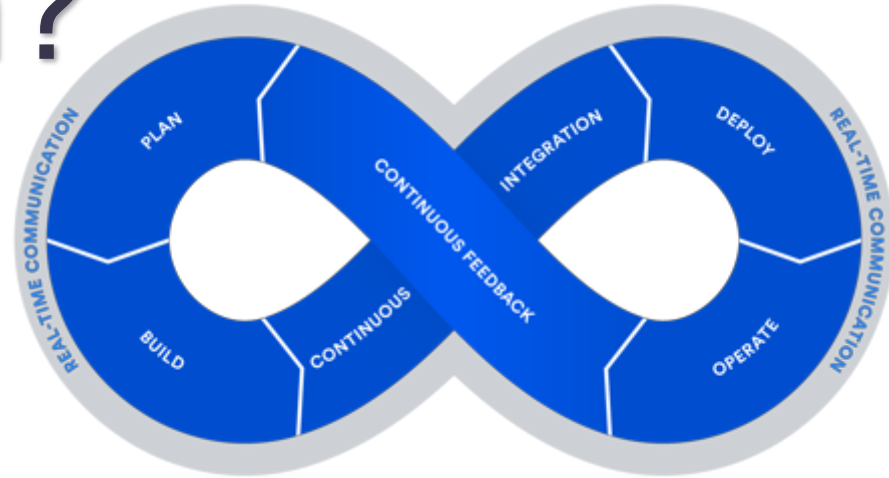
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# DevOps is an Impediment to Digital Transformation?



<https://www.atlassian.com/devops>





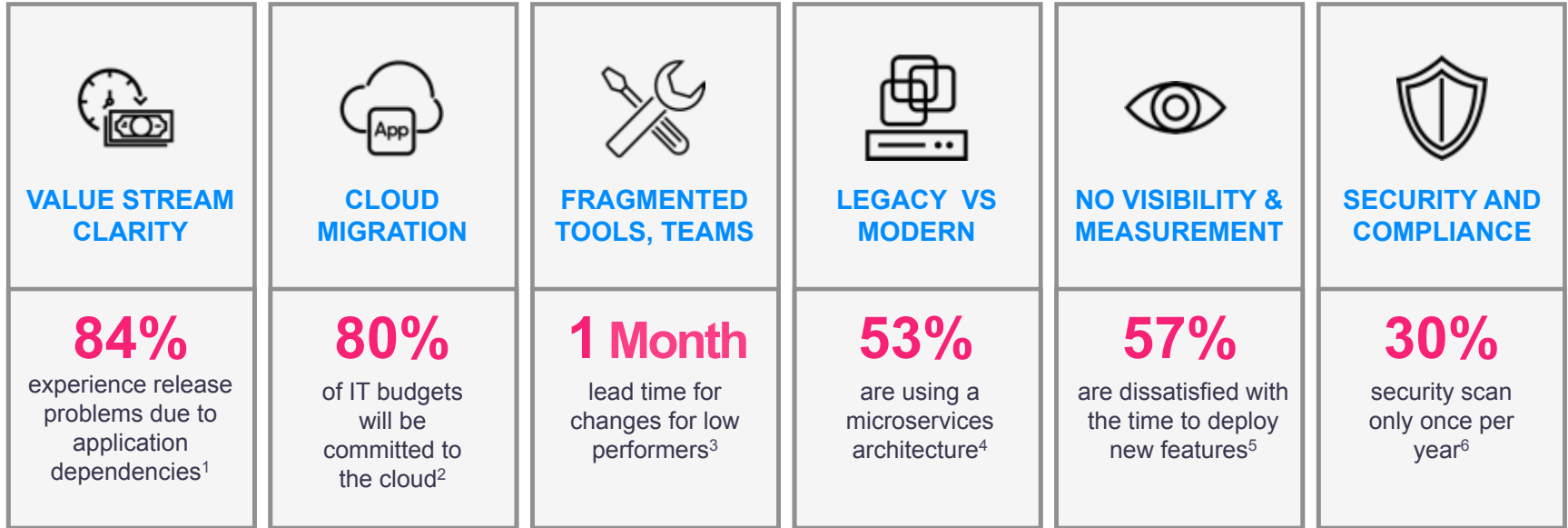
Doing continuous delivery for the sake of continuous delivery is not enough if you want your organization to succeed.



Accelerate: State of DevOps 2018: Strategies for a New Economy



# Challenges Scaling Continuous Delivery



1-DevOps Research prepared by Spiceworks for CA Technologies, February 2017

2-DZone 2017 Native Cloud Development survey

Building Trust in a Cloudy Sky: The state of cloud adoption and security, McAfee Survey 2016

<https://www.mcafee.com/us/solutions/lp/cloud-security-report.html>

3-2017 State of DevOps Report Presented by Puppet and DORA

4-Dzone 2017 Microservices survey

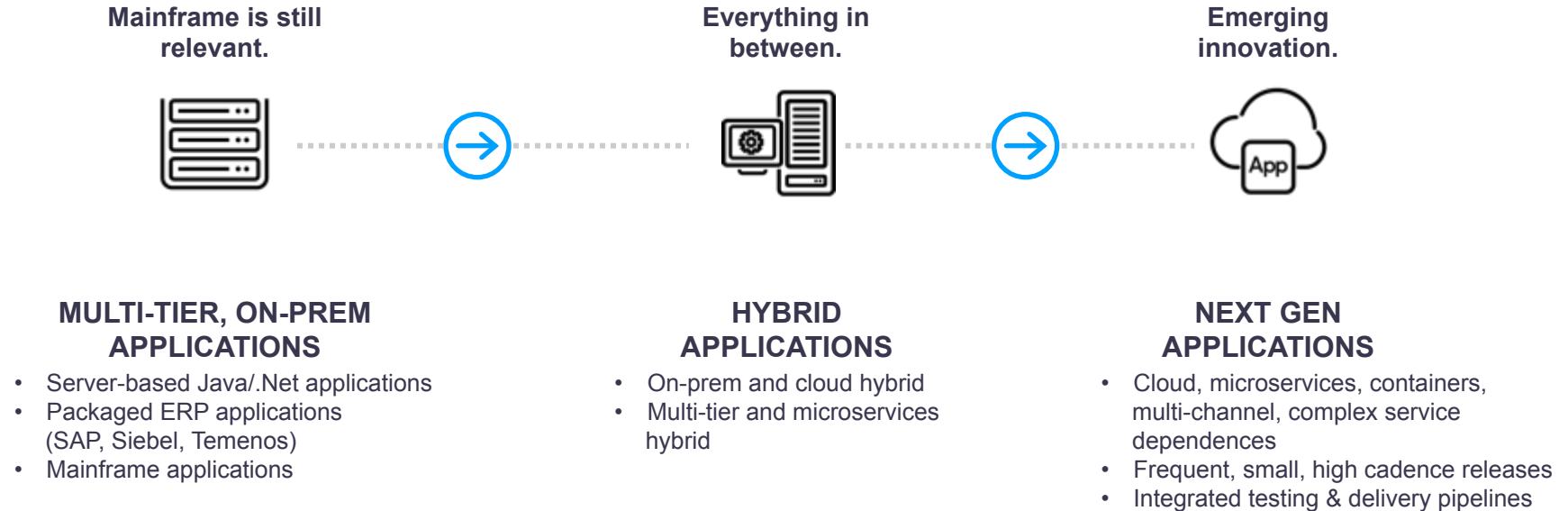
<https://dzone.com/guides/microservices-breaking-down-the-monolith>

5-BlazeMeter "Black Friday" study, 2016

6-Veracode, v7. State of Software Security, 2016

# Legacy to Microservices

Pervasive automation across IT app portfolio



# End-to-End Security

Security Must be a Primary Concern



## Key Security Statistic

Application-layer attacks were the leading cause of data breaches in 2016.

-Verizon Data Breach Investigations Report



End-to-end **documentation and traceability** of business processes.



**Security embedded** and tracked through the release process and not an afterthought.



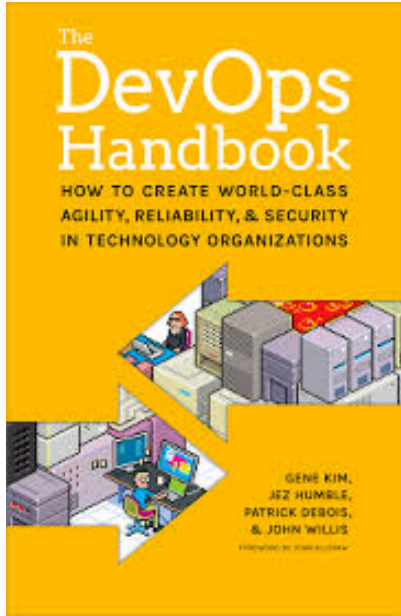
Automatically track **system configuration** changes.



**Automation mechanics** themselves must be **secured**.



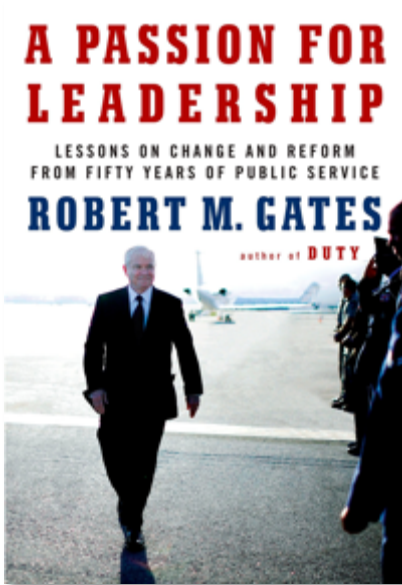
# The Importance to Leadership



In many of our case studies, following the achievement of the breakthrough results presented, many of the change agents were promoted— but, in some cases, there was later a **change of leadership** which resulted in many of the people involved leaving, accompanied by a **rolling back of** the organizational **changes** they had created.

Kim, Gene; Humble, Jez; Debois, Patrick; Willis, John. *The DevOps Handbook: How to Create World-Class Agility, Reliability, and Security in Technology Organizations* (Kindle Locations 6156-6158). IT Revolution Press, Kindle Edition.

# Pull People Out of Their Silos



The best way to get access to, and use, **internal talent** and **ideas** ... to implement **reform** is to get **people** from **different** parts of the organization **working together** outside their normal bureaucratic environment.

# Key Take Thoughts

- Be a leader!
- Think more broadly about continuous delivery
- Embrace the entire IT portfolio
- Secure the automation mechanics themselves
- Learn to speak the language of business
- It's a journey not a destination

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# Thank You.