

DevOps for the Enterprise: 2018 Trends & Insights

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If I speak fast...





We are the

Behind the Software



FORTNITE

125 Million
Fortnite Players





“ElectricFlow® drives consistent deployments by eliminating the errors associated with manual processes.

*Mark Lucia,
Tools Engineer*



SecureWorks

Monitoring 250 Billion Daily Cyber Security Events

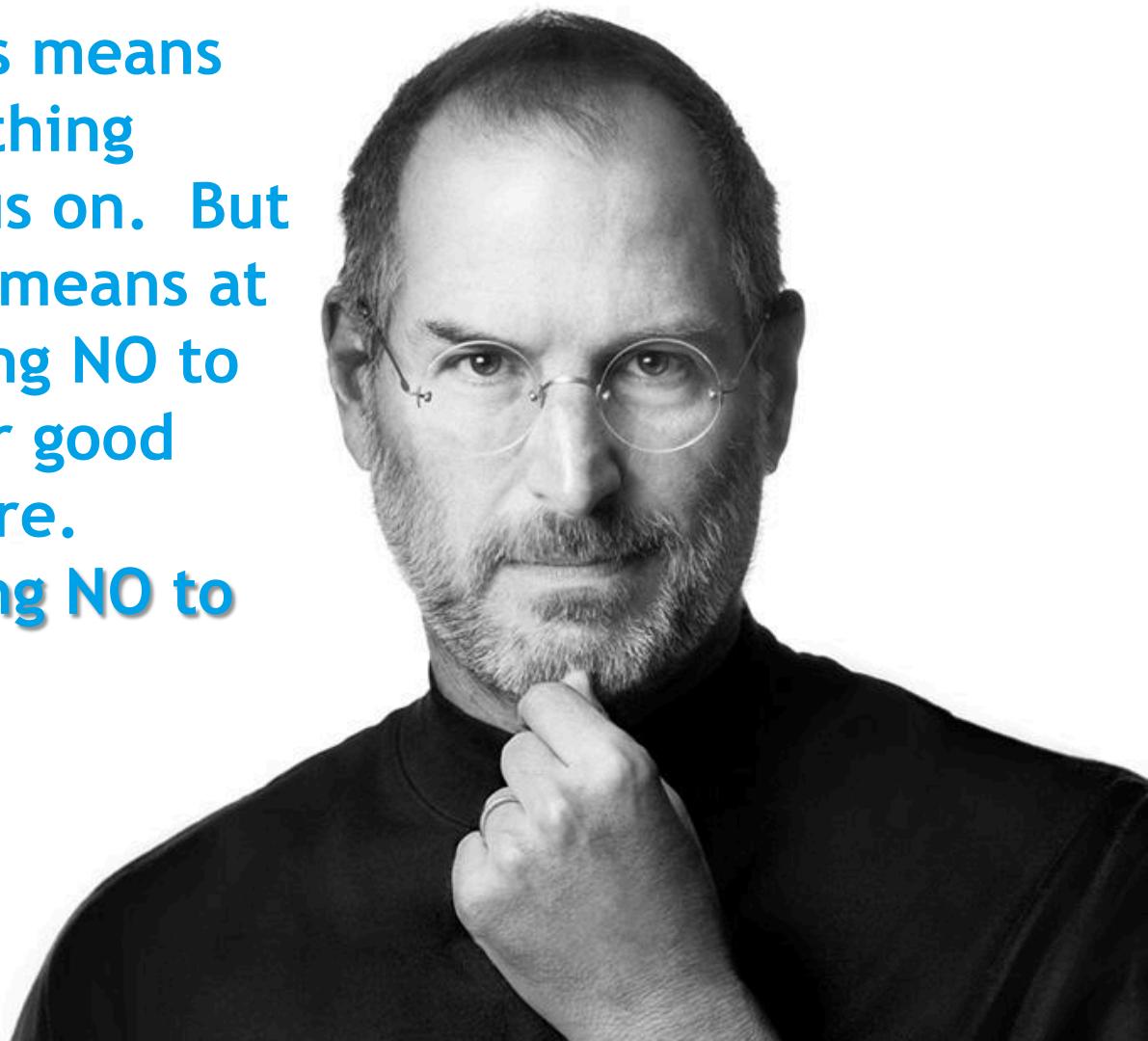


Every Toll Free Number in the US and Canada

sOMOS

“People think focus means saying yes to the thing you’ve got to focus on. But that’s not what it means at all. It means saying NO to the hundred other good ideas that there are.

Innovation is saying NO to 1,000 things!



LET'S

!

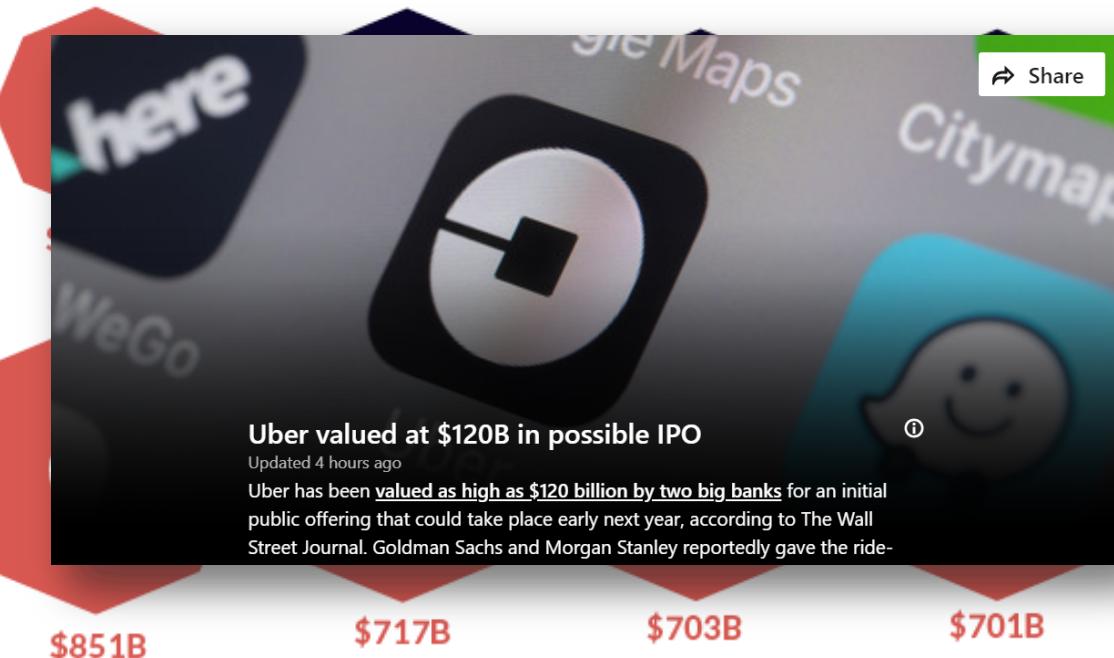
START

Software Continues to Eat the World

TOP 5 PUBLICLY TRADED COMPANIES (BY MARKET CAP)

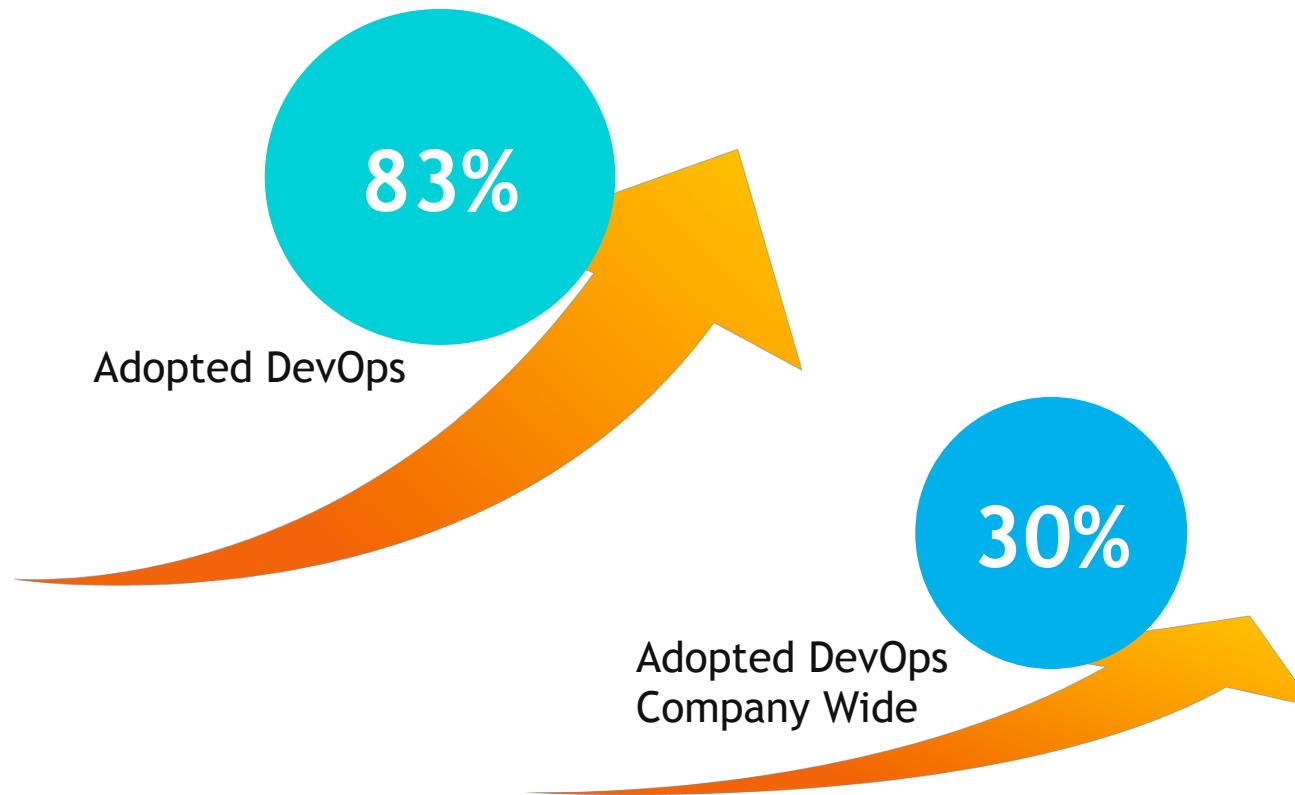
Tech Other

2013
Q1



Source: visualcapitalist.com

DevOps Adoption Trend: More Enterprises “All In”



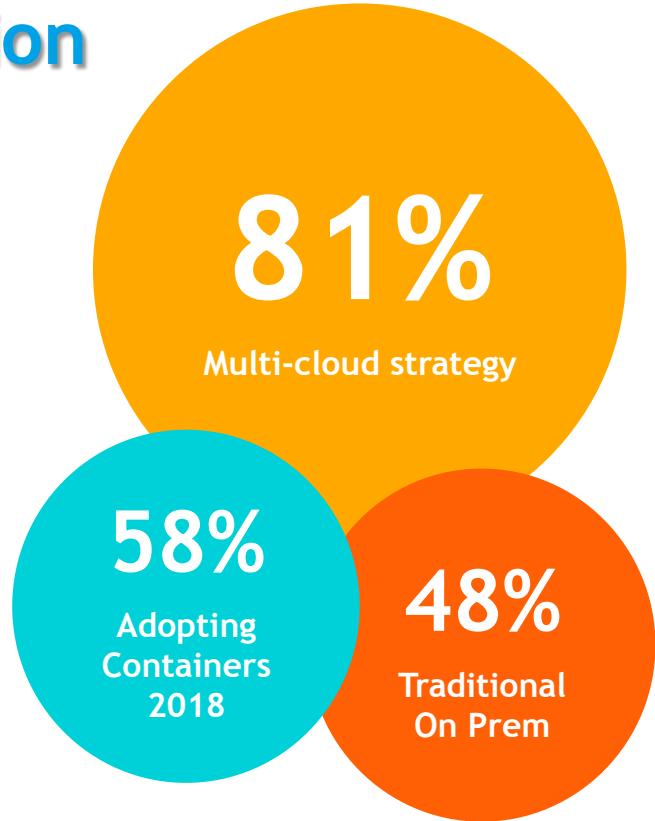
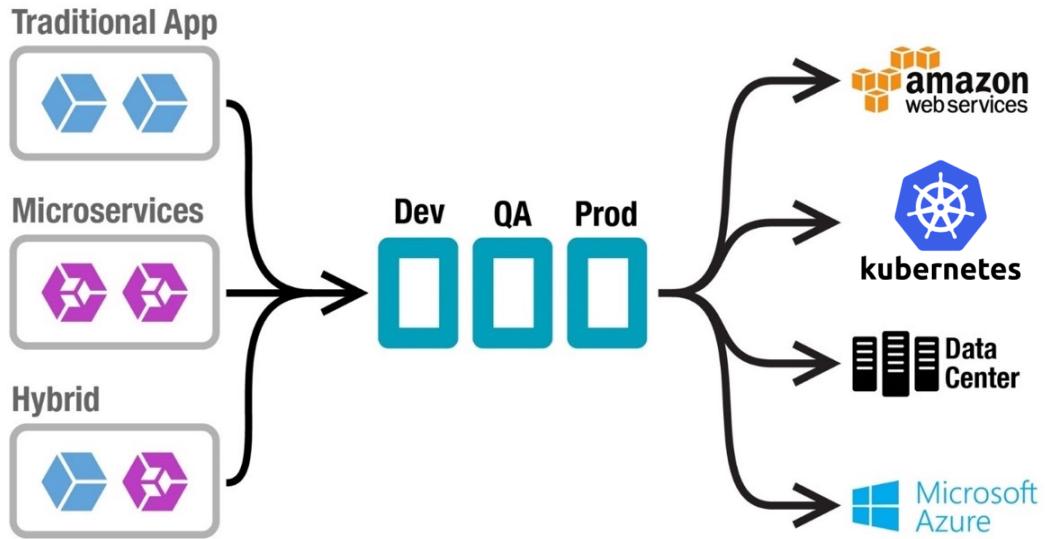
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Migration to Cloud: More Complexity to Manage

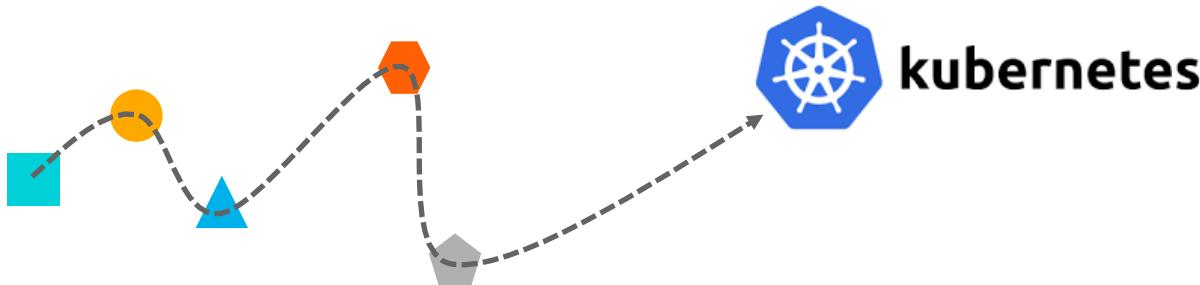
1 Enterprises Taking a Hybrid Approach to Cloud and Container Adoption



1

(Greenfield is easy.)

One team, with one app, releasing into one environment is NOT a problem. It's easy to connect all the dots.

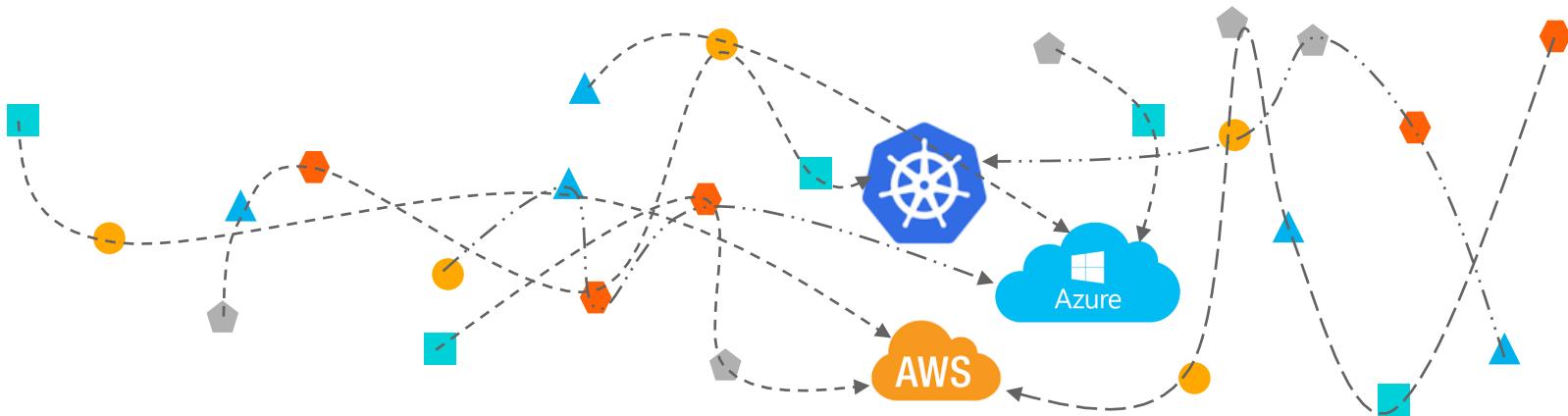


■ ♦ ○ ◊ ▲ = "Team N's DevOps Tooling" (eg, Jira, Jenkins, HPQC, Selenium)

1

Enterprise is challenging...

Multiple teams working on independent and interdependent systems and target platforms. Overlapping tools, platforms, and release cadences. Managing all of this is hard.

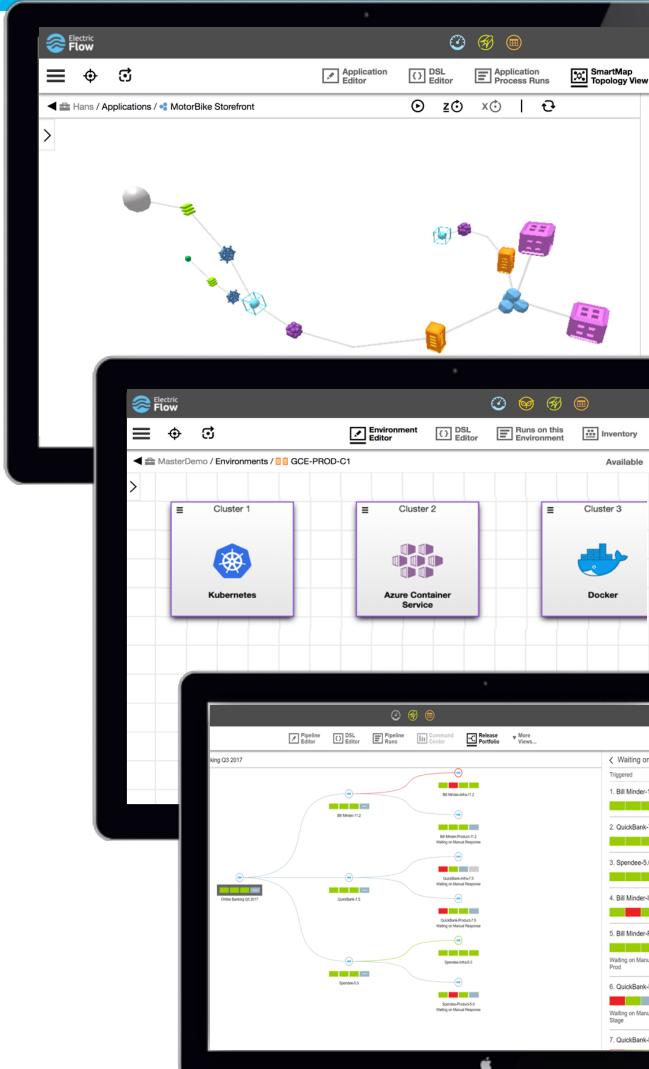


■ ♦ ○ ◊ ▲ = “Team N’s DevOps Tooling” (eg, Jira, Jenkins, HPQC, Selenium)

1

How are Enterprises Adopting Cloud-Native?

- Building single pipeline platform to integrate all the moving pieces
- Supporting agnostic app model to deploy cloud-native alongside traditional applications
- Enabling pipeline dependencies to handle pipelines with different release cadences
- Ensuring visibility of containers



A large, metallic blue padlock is positioned diagonally across the center of the image. It rests on a dark, textured surface that is heavily overlaid with a grid of binary digits (0s and 1s). The padlock itself has a bright blue glow around its edges and highlights, suggesting it is made of a polished metal. The background is a dark, moody blue.

Emergence of DevSecOps: More to Automate

Security and Vulnerability Trends

55% Increase in Open
Source Breaches

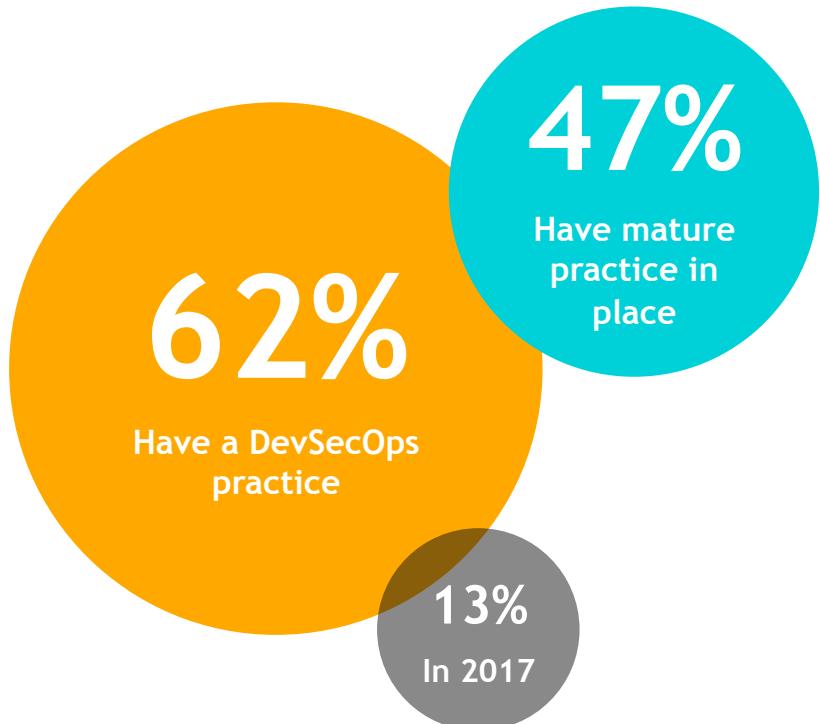
Average “Response
Window” Down to 3 Days

~1M

Downloads of
vulnerable library
since 2017 Equifax
breach!

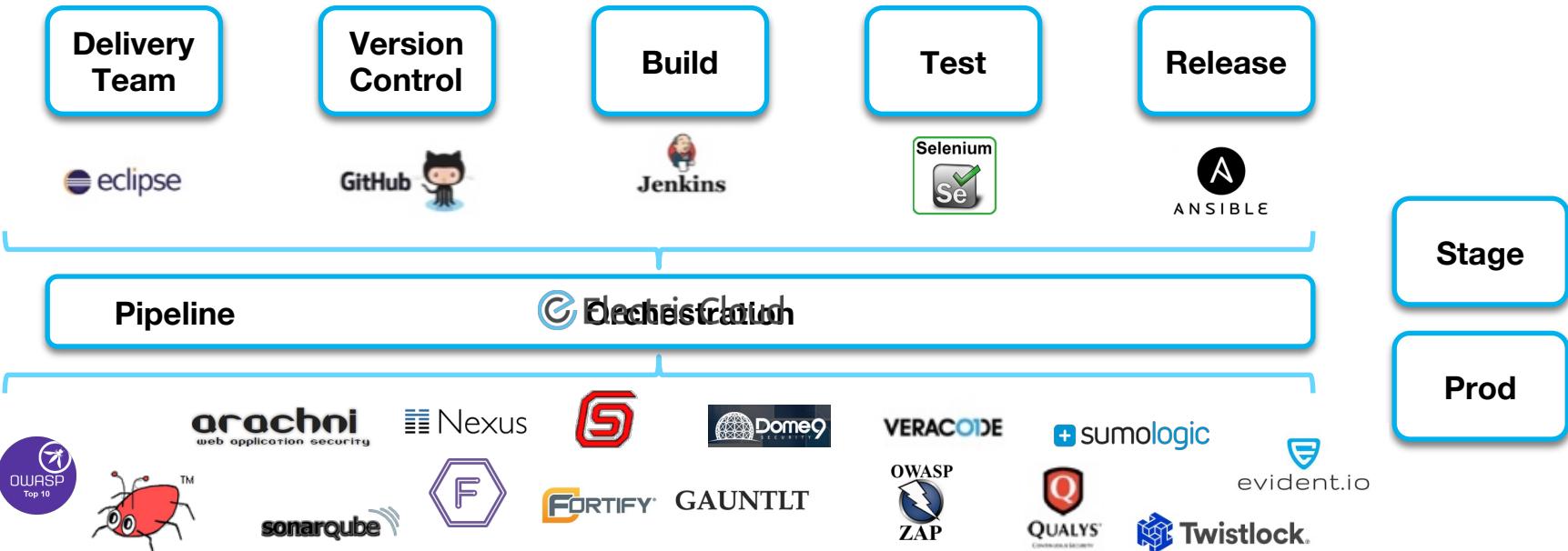
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Enterprises Are Aggressively Adopting DevSecOps



2

Enterprises Treating Security in the Same Way they Treat Quality



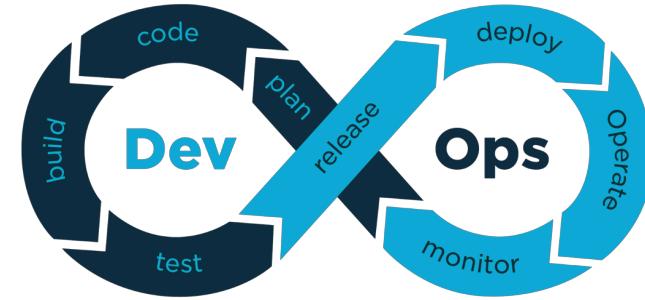
Predictive Analytics: DevOps Operating System

3

Embracing AI/ML in DevOps Feedback



“AI/ML is the #1 Enterprise DevOps/IT
Investment Priority in 2018”



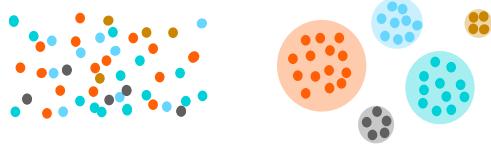
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Leveraging Data: Entire DevOps Toolchain



JUnit

sonarqube



1

Identify Patterns using
Deep Statistical Analytics

2

Predict future 'Risk'
using the past patterns

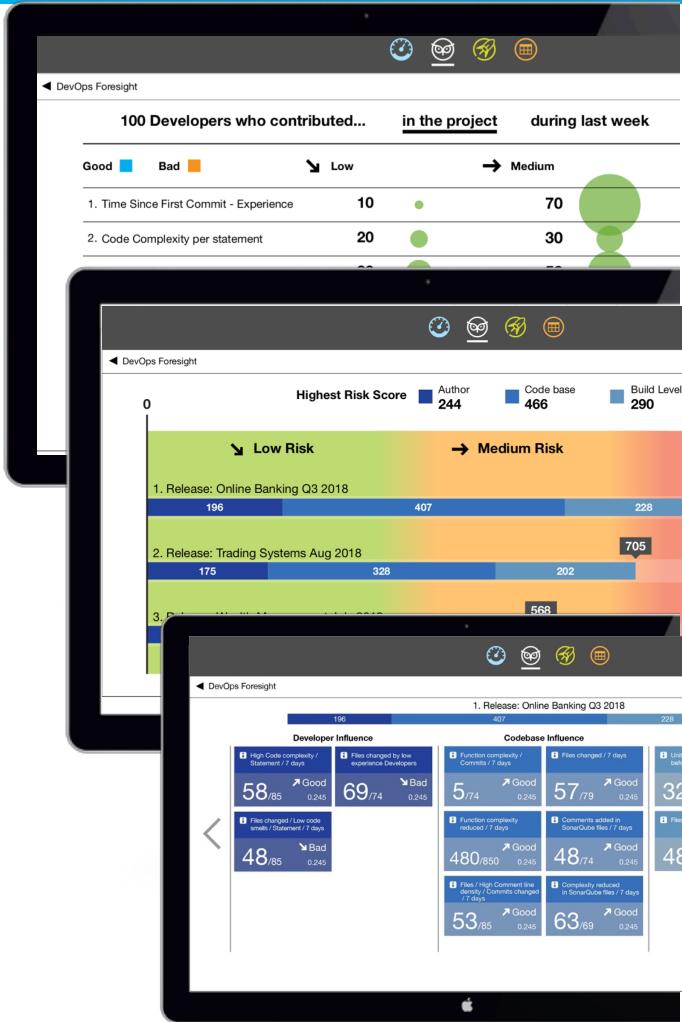
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Recommendations
to reduce risk

3

Move From Reactive to Predictive Feedback

- Deep analytics on toolchain identifies patterns in software release
- Patterns on factors like developer, code based, and builds determine risk score
- Complete provenance about root causes, specific contributing factors, and areas for improvement.





Key Takeaways...

Key Takeaways

- DevOps no longer fringe movement, but a competitive necessity
- Multimodal Approach to Cloud and Container Adoption
- DevSecOps is Not Just Another Acronym
- AI/ML Driving DevOps Feedback



Release
Tomorrow's
Software Today

