

The
Eternal
Recurrence of
DevOps

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VMWare Tanzu

A note on CHARTS

Surveys are Dangerous

...but what else do we have?

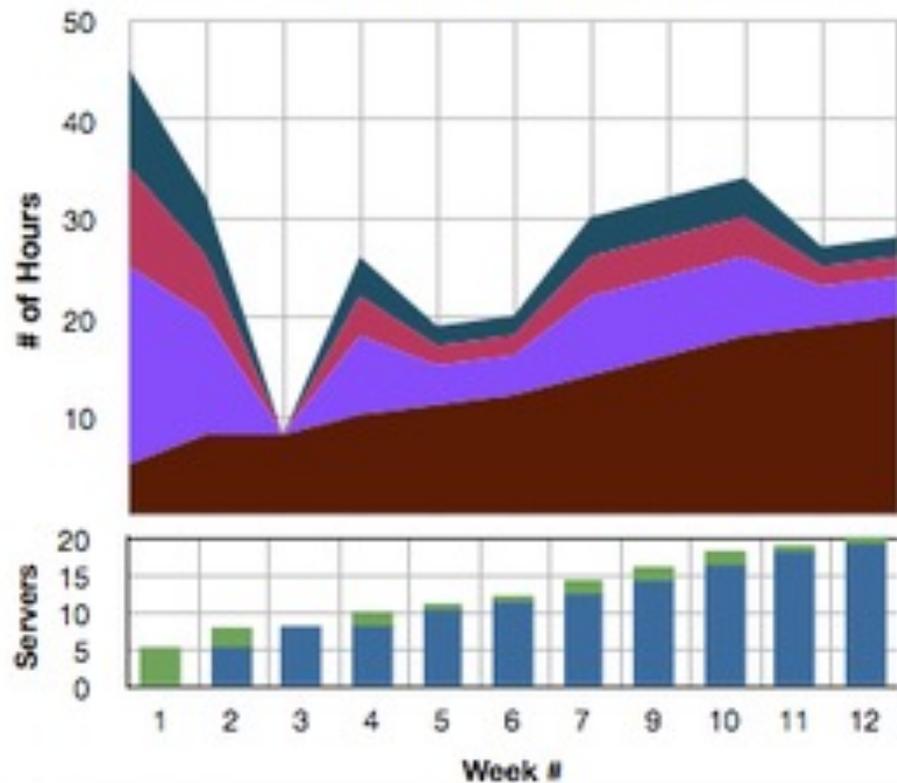
Part 01:
How is your local dev/op doing?



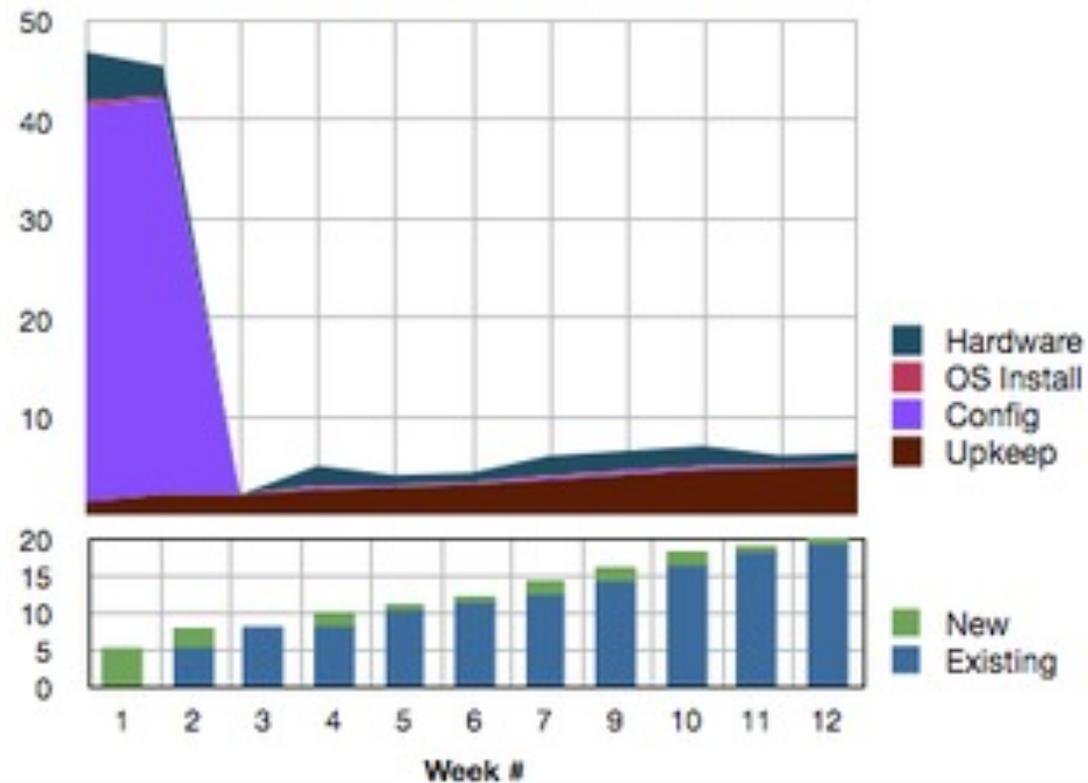
The point is running apps, so, developers...



"Traditional" Operations



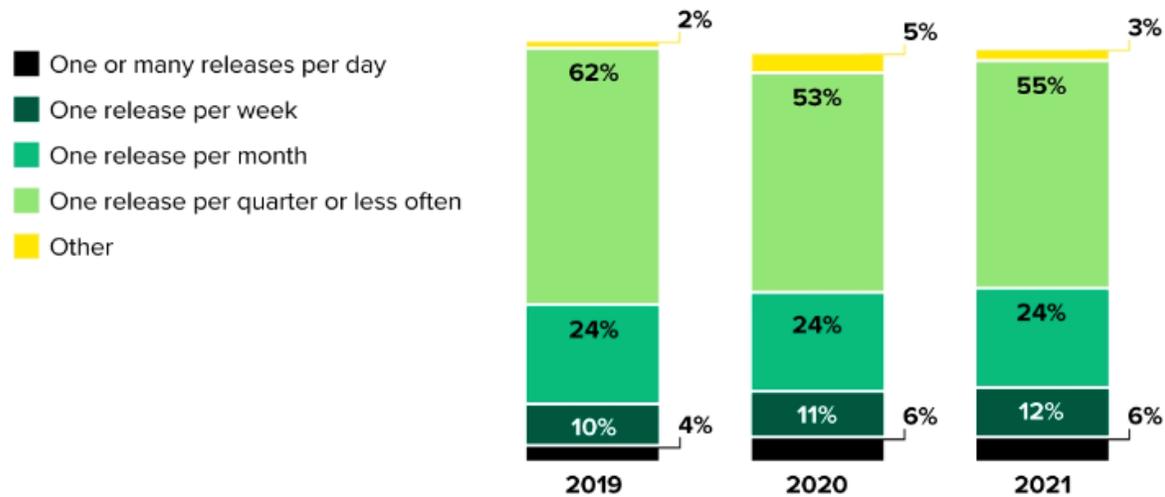
Operations - The "Secret Sauce"



(<http://radar.oreilly.com/archives/2007/10/operations-advantage.html>)

A wide gap between enterprises & others?

“How often does your team or teams release applications?”

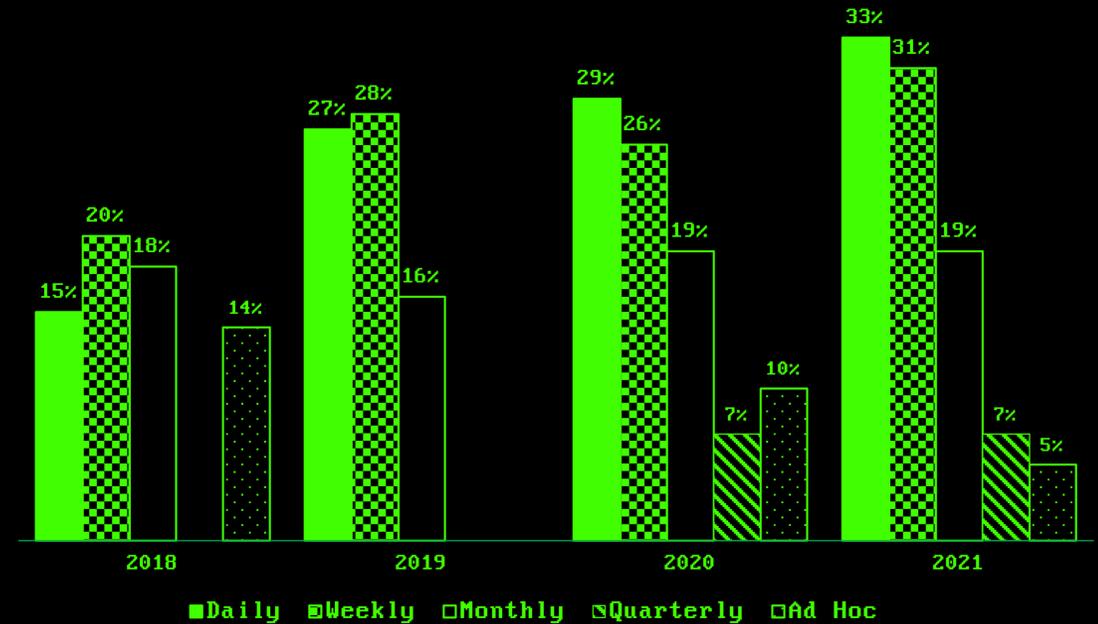


Base: 3,294 (2019), 2,073 (2020), and 1,877 (2021) global developers

Source: Forrester Analytics Business Technographics® Developer Surveys, 2019 to 2021

Normals

Release Cycles

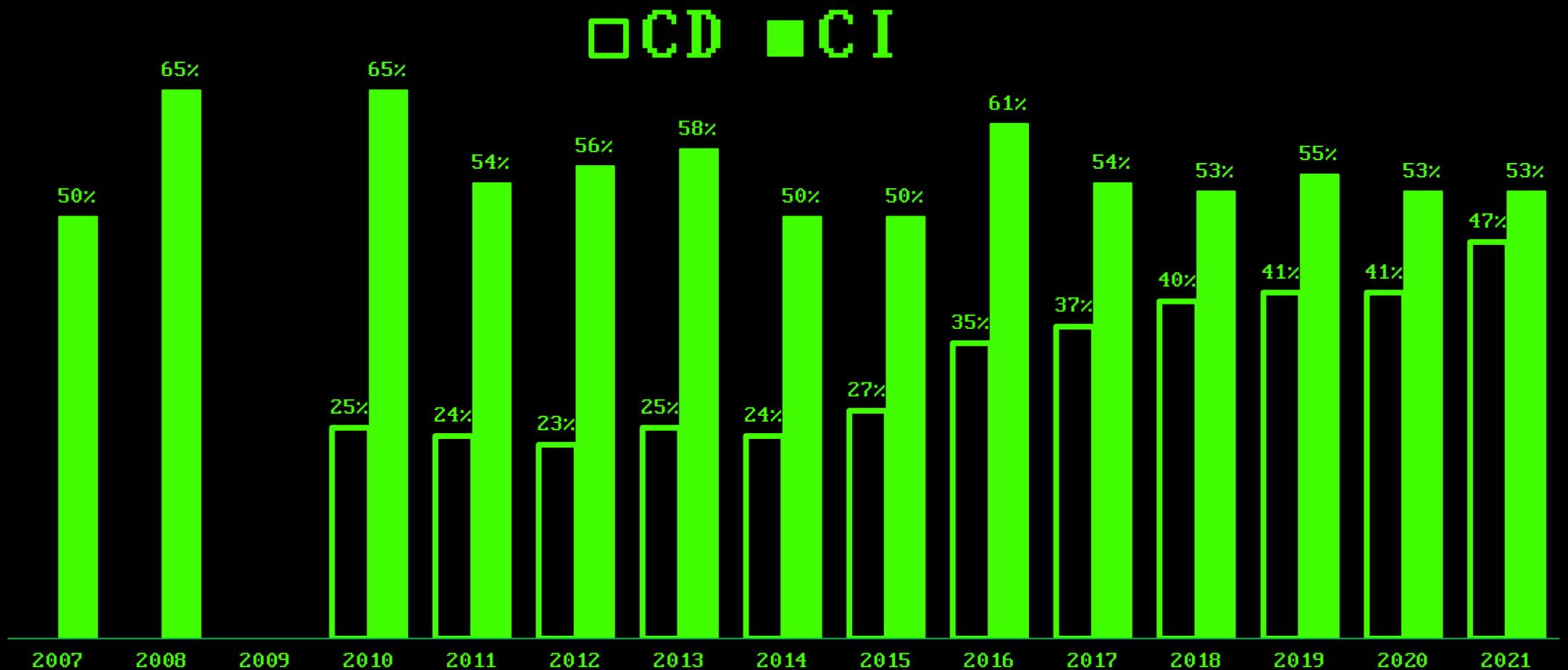


Source: Cloud Native Computing Foundation

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Hipsters

CI and CD usage, 2007 to 2021



Source: State of Agile Surveys, VersionOne/CollabNet/digital.ai

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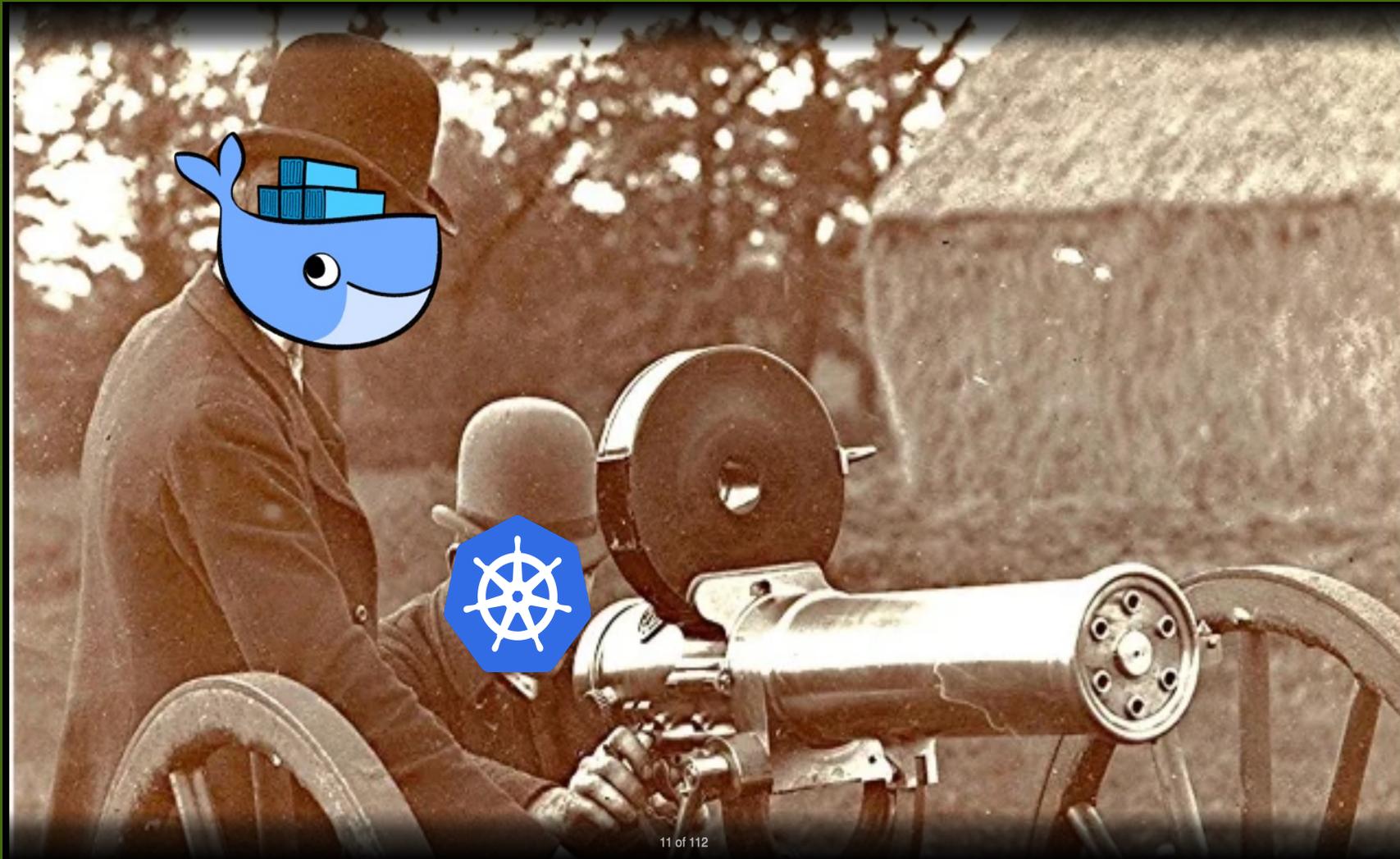
So, there's still some work to do.

Let's build a technology!

But wait.

“Technology is easy, people are hard.”

Technology actually *is* hard,
A story based on true events



What benefits has your organization realized from operating Kubernetes? Choose all that apply.

■ 2022 ■ 2021 □ 2020

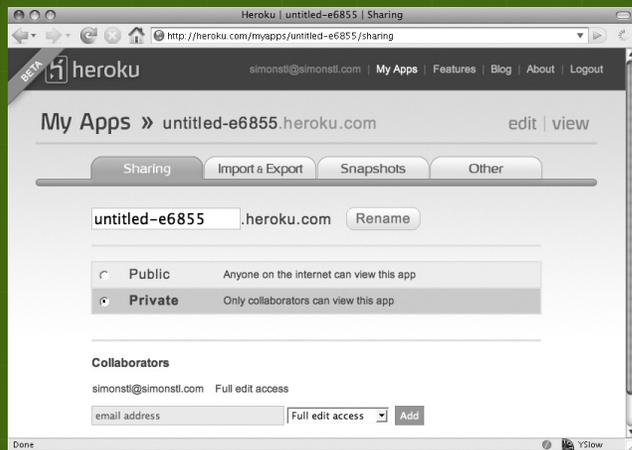


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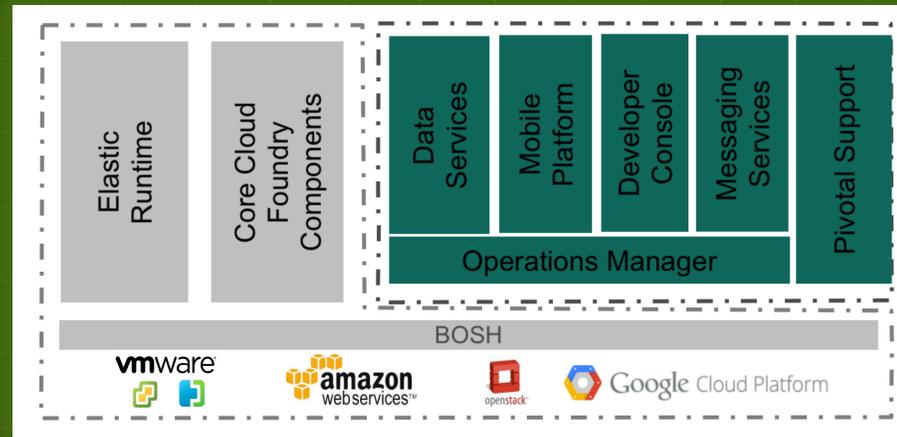
PicklesFromTheJar:~ cote\$ █



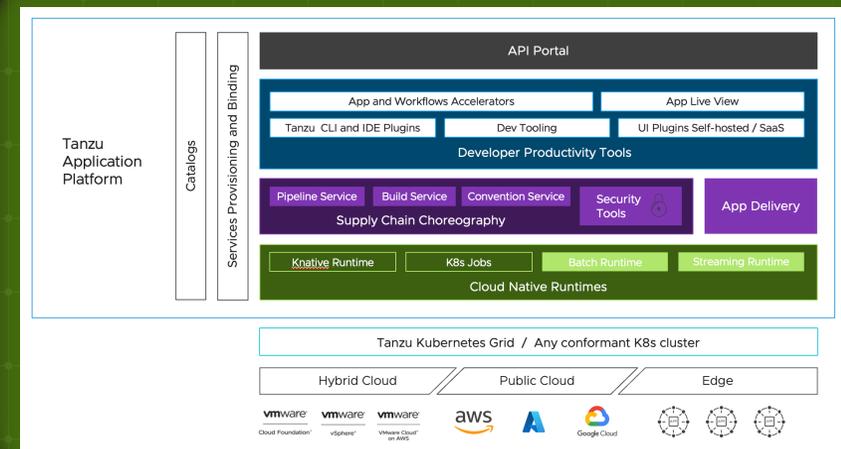
Will PaaS platforms ever take off?



2007



2015



2022

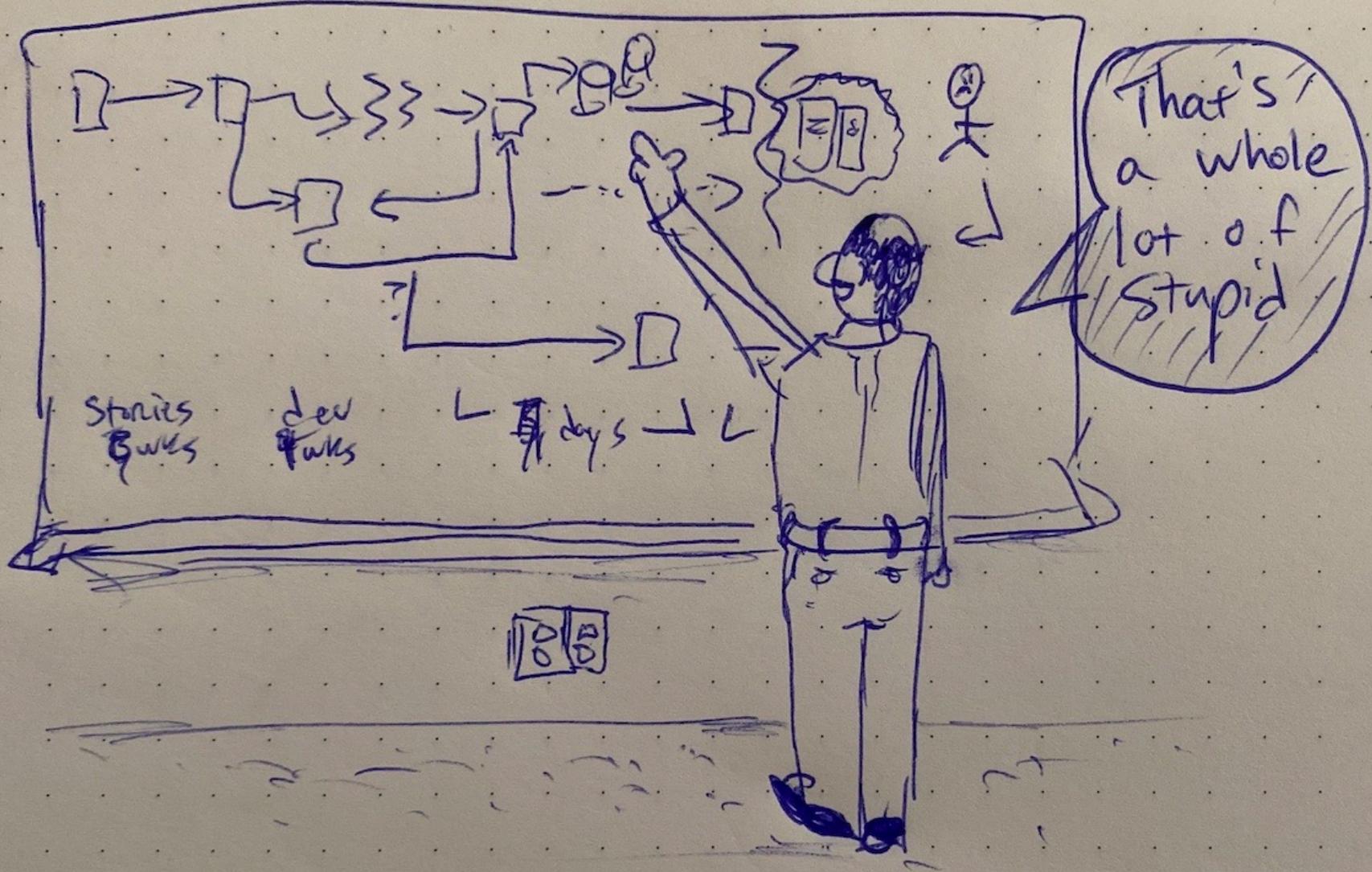
Not pictured: CORBA, J2EE, Rails, ESB, SOA/WS-*, LAMP, serverless, etc.



Sources: *Learning Rails*, Simon St. Laurent and Edd Dumbill, 2008; ["Technical Dive into Cloud Native Application Platforms."](#) Brian Gracely, 2015; [VMware Tanzu Application Platform: platform for building platform](#), 2017;

Part 02:

We are always going to rewrite the app platform, just try to remember more next time.



Stephen O'Grady

The New Kingmakers

How **Developers**
Conquered the World



O'REILLY®

Build the datacenter of today



Sun
microsystems

"You cannot produce a platform without customers."

Bryan Ross, VMware, Sky TV

A Successful Developer Experience (1/2)

1. Customer Focus: Treat internal developers like clients
2. Build, nourish and embrace a community around your platforms
3. Focus on end-to-end & deliver an integrated experience
4. Culture is critical
5. Cloud Blueprints
6. Cloud Parties
7. Self-service everything

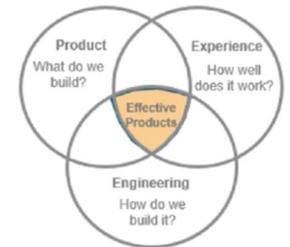


Build a customer-centre culture.
"15 Proven Techniques to Improve Customer Experience (CX)"
Blog by Snigdha Patel on the revechat.com platform

J P M o r g a n C h a s e

A Successful Developer Experience (2/2)

8. Clear responsibility model, boundaries and platform contract
9. Operationally stable, reliable, and has well-defined SLOs
10. Inherently secure
11. Streamline tooling for CI/CD
12. Enable innovation through managing risk
13. Automate, automate, automate!
14. Short time to Hello World!
15. Partner for success



J P M o r g a n C h a s e

Actually, survival *is* mandatory...esp.
when it's *you!*

The Home Depot Timeline

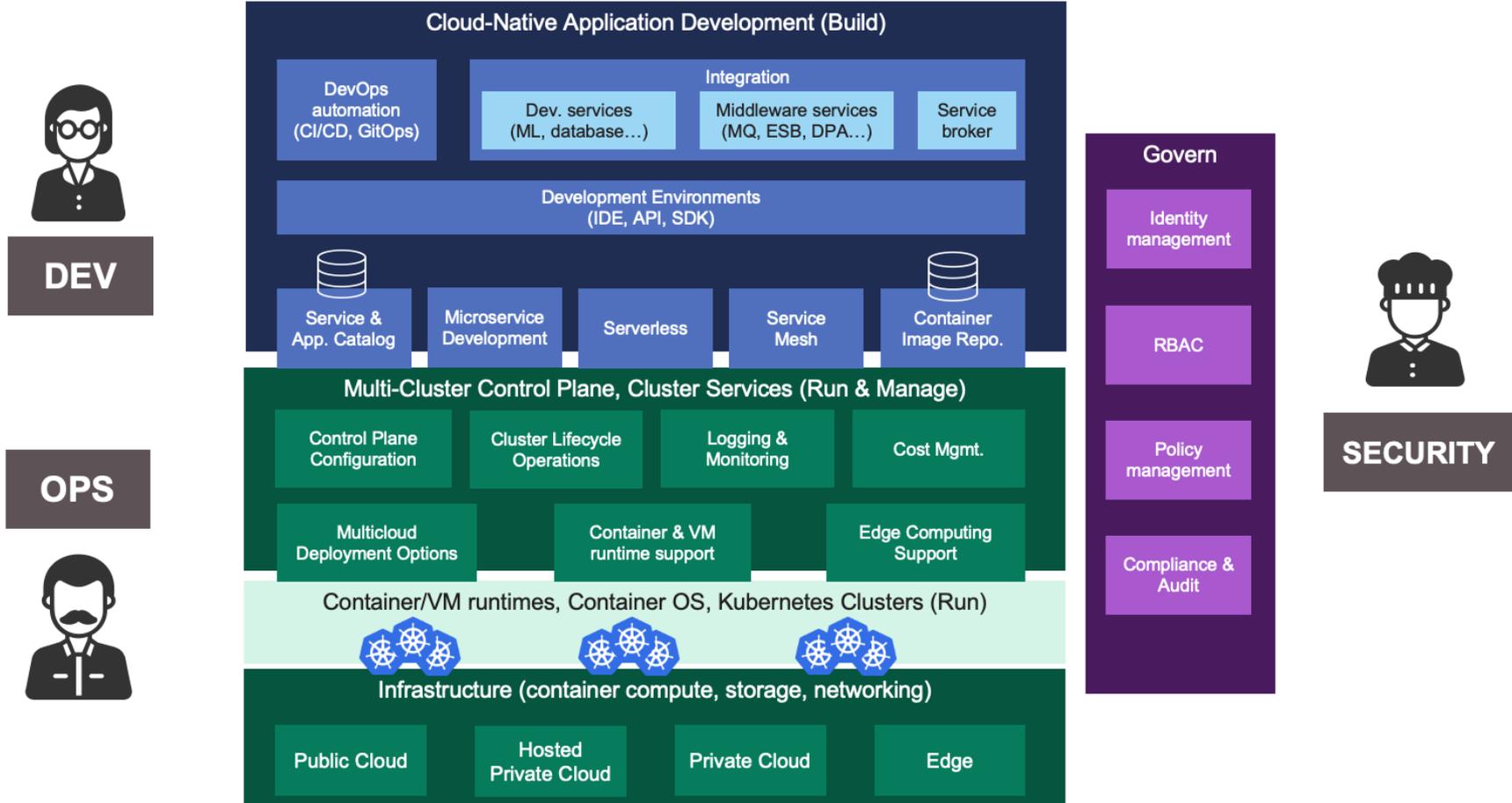
2015: Handful of apps, e.g., paint desk, tool rental

2016: ~130 apps in production

2018: “Every week, my product and design teams are in people’s homes or [at] customer job sites, where we are bringing in a lot of real-time insights from the customers.”

2021: one customer’s spend up from \$100k to \$300k.

Should you build it? Run it? Or use it?



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Be a little less zero-sum next
time.

You know, “empathy”, or whatever.

Coté

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