



Not actually a DevOps Talk

Or, beyond “survival is not mandatory”

@cote

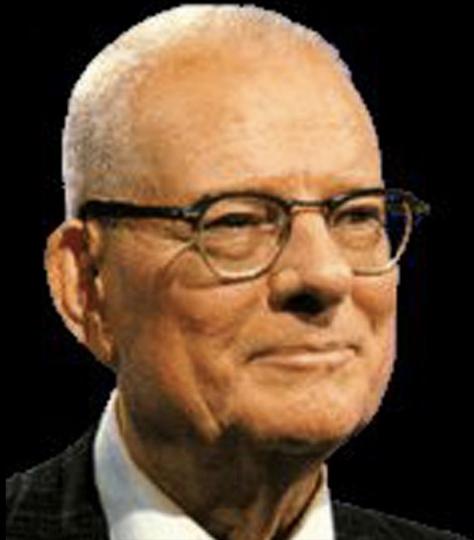
October 2017

Hello!



- [@cote](#) – Director, Marketing for Pivotal Cloud Foundry
- Former industry analyst at 451 Research and RedMonk
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- Former software developer
- *Register* [DevOps, agile, etc. column](#)
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**It is not necessary to change.
Survival is not mandatory.**



~~It is not necessary to change.~~
~~Survival is not mandatory.~~

Survival is optional. No one
has to change.



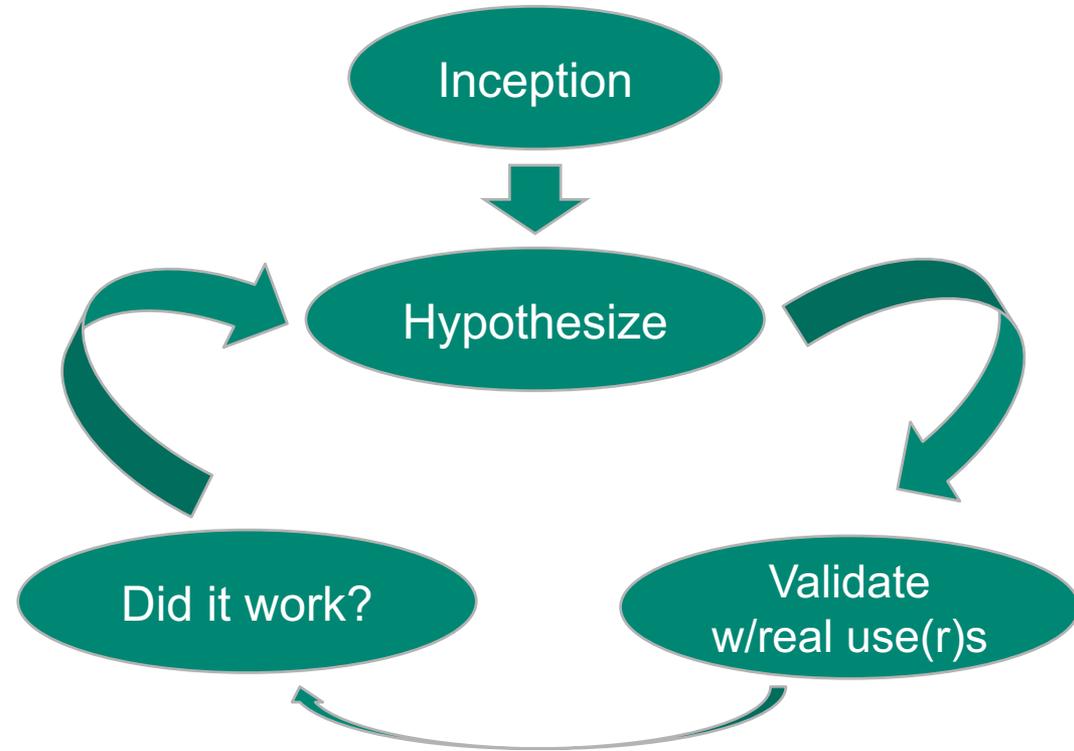
*What's in the
box?*

*Digital
transformation.*



Goal: deliver value, weekly reliably, with small batches

“We did an analysis of hundreds of projects over a multiyear period. **The ones that delivered in less than a quarter succeeded about 80% of the time, while the ones that lasted more than a year failed at about the same rate.** We’re simply not very good at large efforts.”



Large financial institution

Sources: [“Good Software is a Series of Little Failures,”](#) Coté, April 2016; [The Lean Startup](#), Eric Ries, 2011. [The Lean Enterprise](#), Barry O’Reilly, Jez Humble, and Joanne Molesky. See [also overview of this approach at the IRS from Dec 2015](#). [“Application Modernization, Service By Microservice,”](#) Kurt Bittner and Randy Heffner, Forrester, Dec 2015; [“Best Practices For Agile-Plus- Architecture,”](#) Randy Heffner, Forrester February, 2015.

Small batches & taxes

Before

Overview by Year			
YEAR	STATUS	AMOUNT	
2014	Balance Due	\$644	>
2013	Taxes Paid	\$685	>
2012	Refund/Applied	\$100	>
2011	No Information Available	--	

After

Overview by Year	
YEAR	BALANCE DUE
2014	\$644.00 >
2013	\$0.00
2012	\$0.00
2011	No Return on File >

It's actually working in mainstream, large shops



40%+ productivity/cost, rebooted member facing app



From 30% time coding to 90%



3+ week to 3 days, 50% reduction in incidents



Vitality drove engagement from 3% to 30%+



40% policy strike rate, vs. 20% industry average



Delivered 3x features year/year

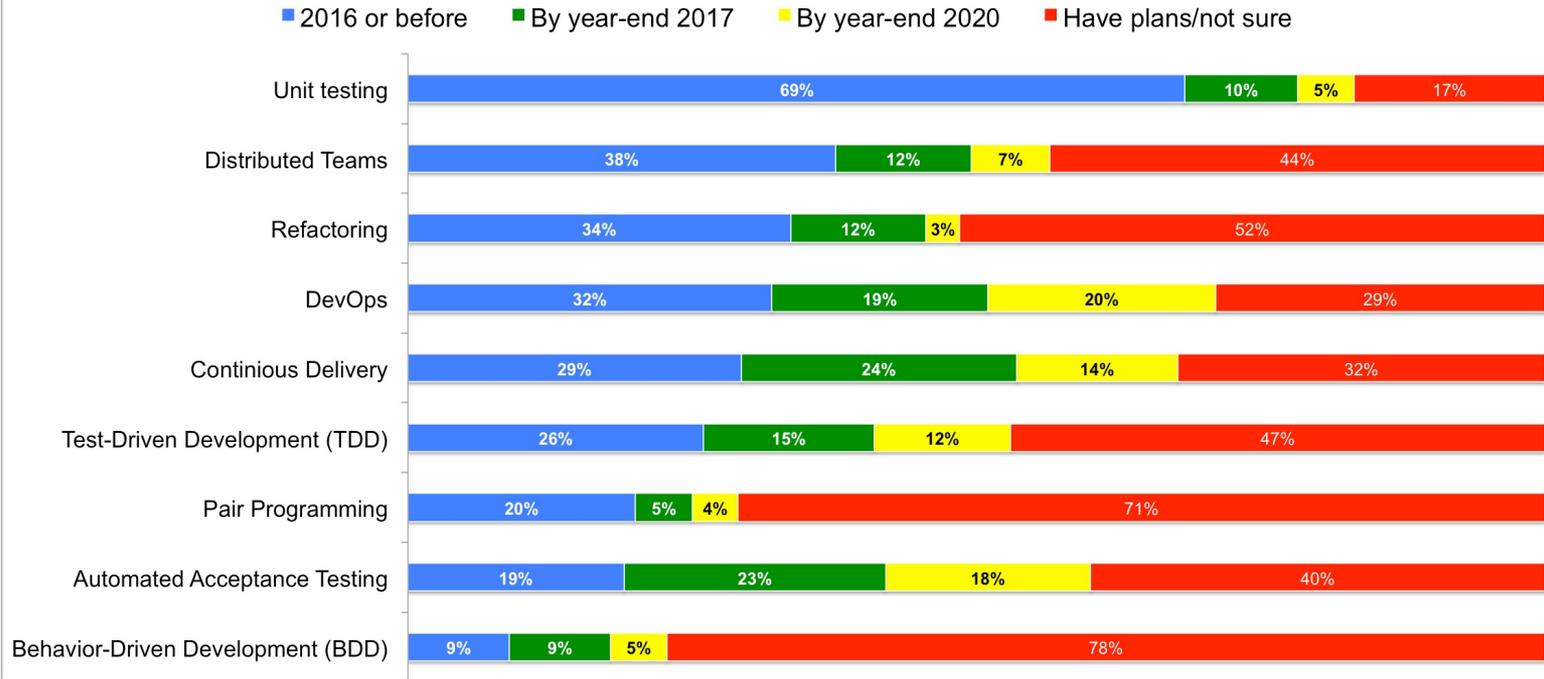
Sources: [Crafting your cloud-native strategy](#), Winter 2016/2017, Coté; [Humana keynote, CF Summit 2015](#); "From Commit to Production in 10 Minutes at a Century Old Insurance Company," Liberty Mutual, David Ehringer; [Moïgan Lefebvre, Liberty Mutual](#), June, 2017.



“We’ve been doing AGILE since vacuum tubes.”

When did or will your organization begin to use each of the following agile enterprise practices?

Base: n=176 Gartner Research Members, survey conducted Oct. 2016



Source: “Survey Analysis: Agile Now at the Tipping Point - Here’s How to Succeed,” Mike West, Gartner, June 2017; [“Pair programming – you’ll never guess what happens next.”](#) Coté, Oct 2016.

~~SPREAD~~
~~ANARCHY~~
DON'T Tell Me
What To Do!!

Management will be the first to fail



“I can’t tell you what having a leader stand-up in front of an organization with a hoodie and t-shirt does to cultural change. It all the sudden makes it OK for everyone within that organization to participate in change.”

-Matt Curry, Allstate

The organization supports the product teams

ENABLEMENT

● Ent Arch ● Portfolio Mgmt

CUSTOMER FACING APP TEAM

● SW Arch ● Ops
● SW Dev ● Cap Plan
● Client SW Dev
● Data Arch ● Prod Mgmt
 ● Biz An

CUSTOMER FACING APP TEAM

● SW Arch ● Ops
● SW Dev ● Cap Plan
● Client SW Dev
● Data Arch ● Prod Mgmt
 ● Biz An

LEGACY SERVICE TEAM

● SW Arch ● Ops
● SW Dev ● Cap Plan
● Client SW Dev
● Data Arch ● Prod Mgmt
 ● Biz An

PLATFORM TEAM

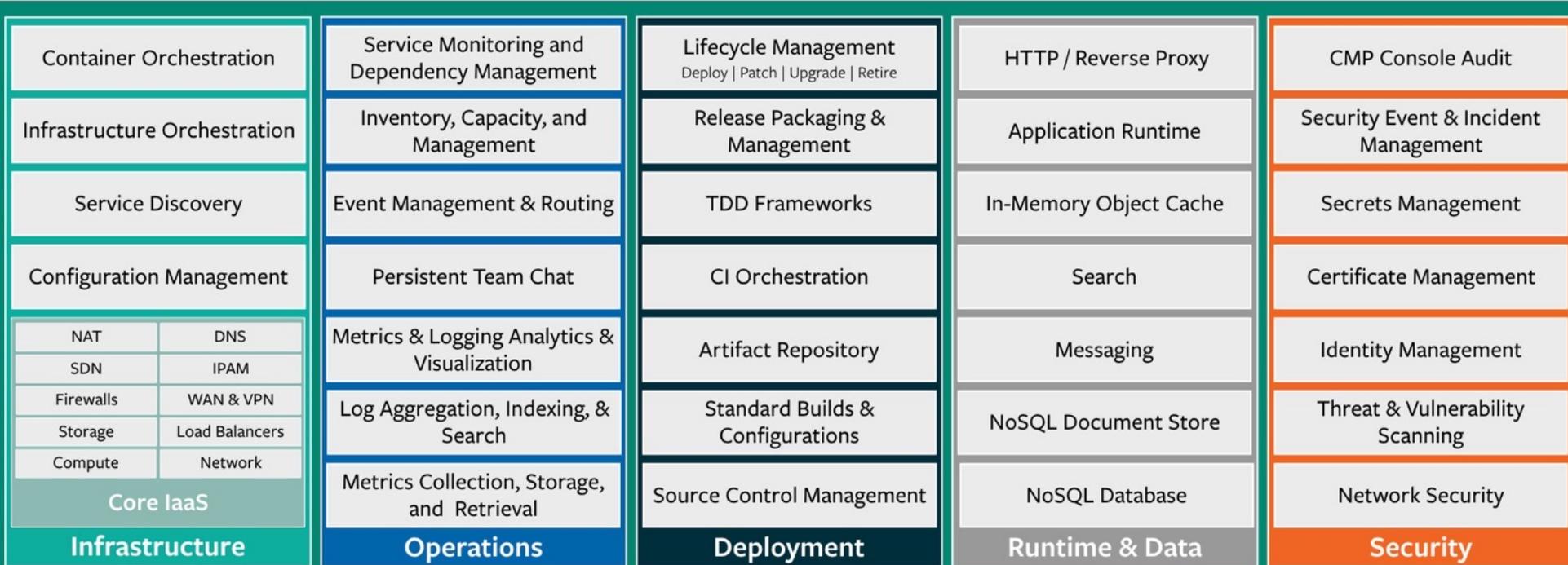
● Middleware Engineering ● Service Engineering ● Change Control ● Ops/SRE
● Service Governance ● Network management ● Info Sec ● Capacity Planning
 ● DBA

Product teams focus on user experience & biz inovation



Picture: WOCinTech Stock

Standardize on a platform: special snow flakes are slow, expensive, & error-prone



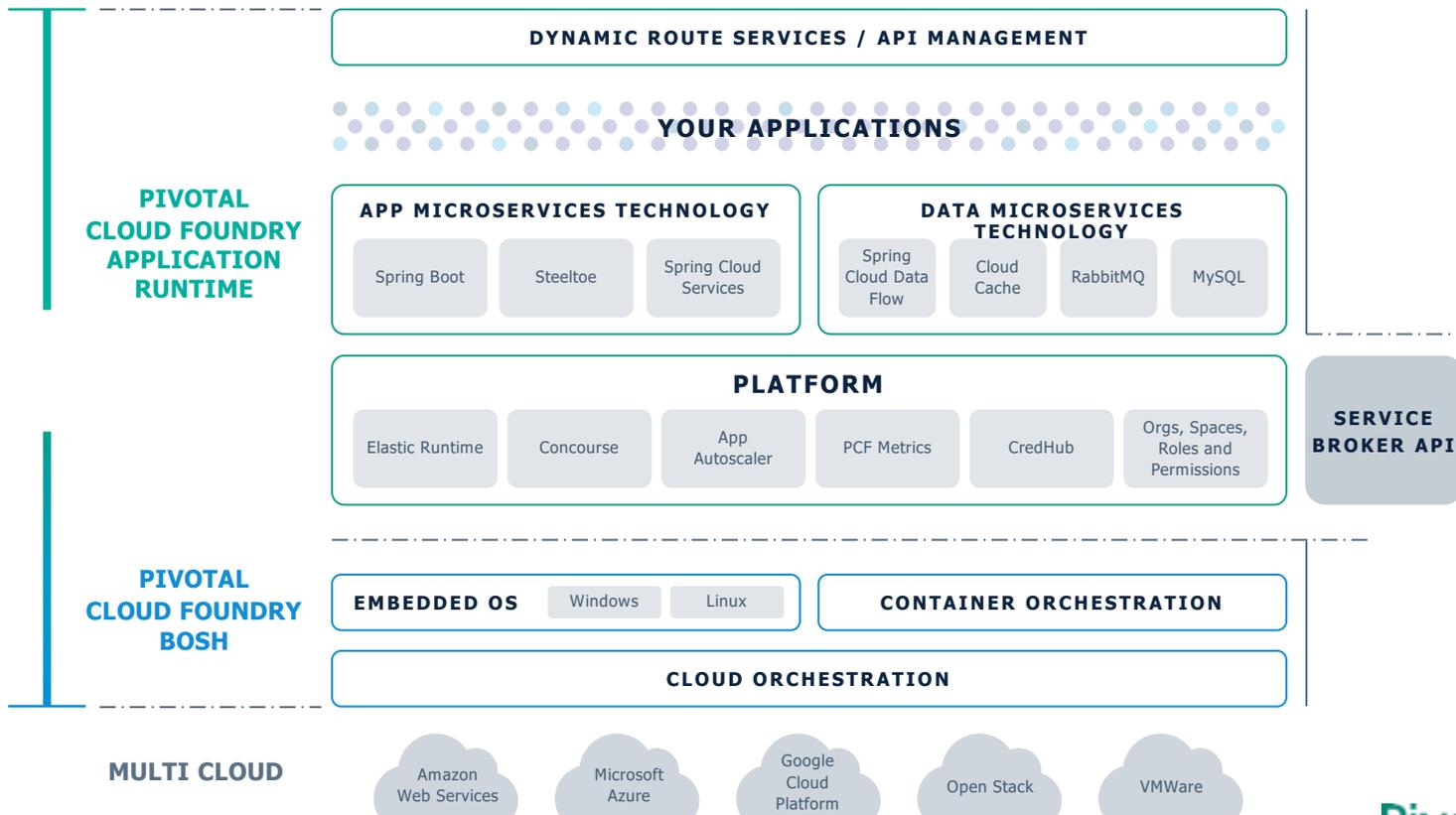
Reference Architecture for Cloud-Native Platforms

Source: [“The Upside-Down Economics of Building Your Own Platform,”](#) Jared Ruckle and Matt Walburn, 2017. Also, [“DevOps Who Does What,”](#) Cornelia Davis, June, 2017; [“How Platforms Work,”](#) Casey West, August, 2016.



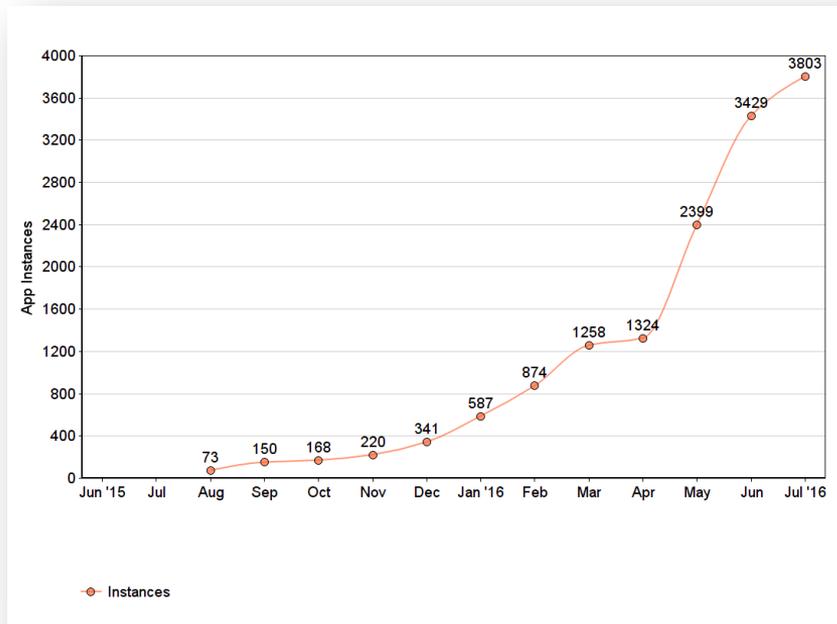
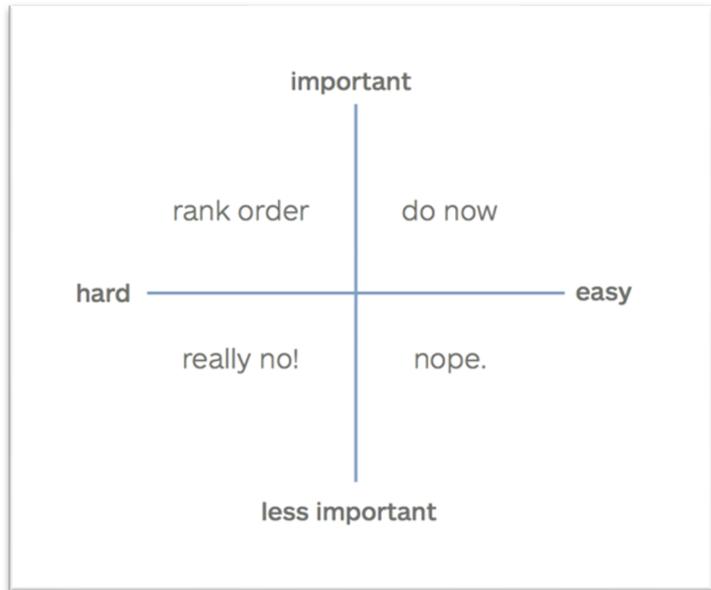
Pivotal Cloud Foundry®

MODERN CLOUD NATIVE PLATFORM



Ramping up: “Pilot low-risk apps, and ramp-up”

Picking your initial apps, according to Comcast, Humana, Ford, & Home Depot



Sources: [Home Depot meetup, Oct 2015](#); [Humana at CF Summit 2015](#); EU payday loan company; Pivotal Labs on large auto company; [“Getting started,”](#) Coté, Oct 2016; [Comcast’s Christopher Tretina at SP1 2016](#); [“Cloud-Native at Home Depot, With Tony McCulley,”](#) Number of AI’s equates to ~130 apps composed on ~900 services. See also a general pattern [applied to analytics from BCG, July 2016](#).

Managing the change: pace yourself

- Liberty Mutual 10 (simple) apps in 10 weeks
- Allstate 16 apps in a year
- THD ~130 apps in a year
- Auto manufacture ~115 after two years
- BUT! If you don't start, you'll suffer analysis paralysis.

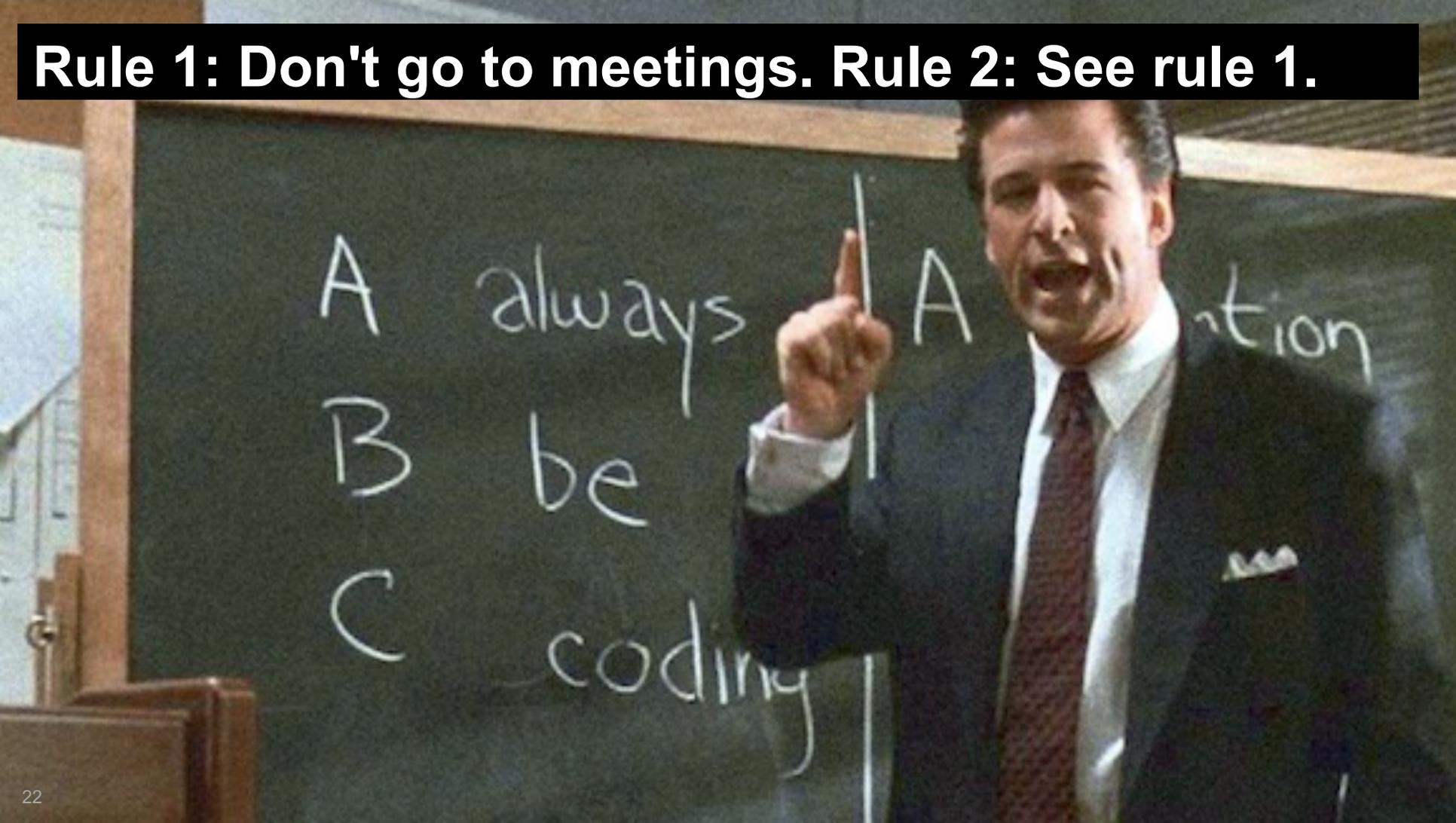
Internal marketing: everything, frequently



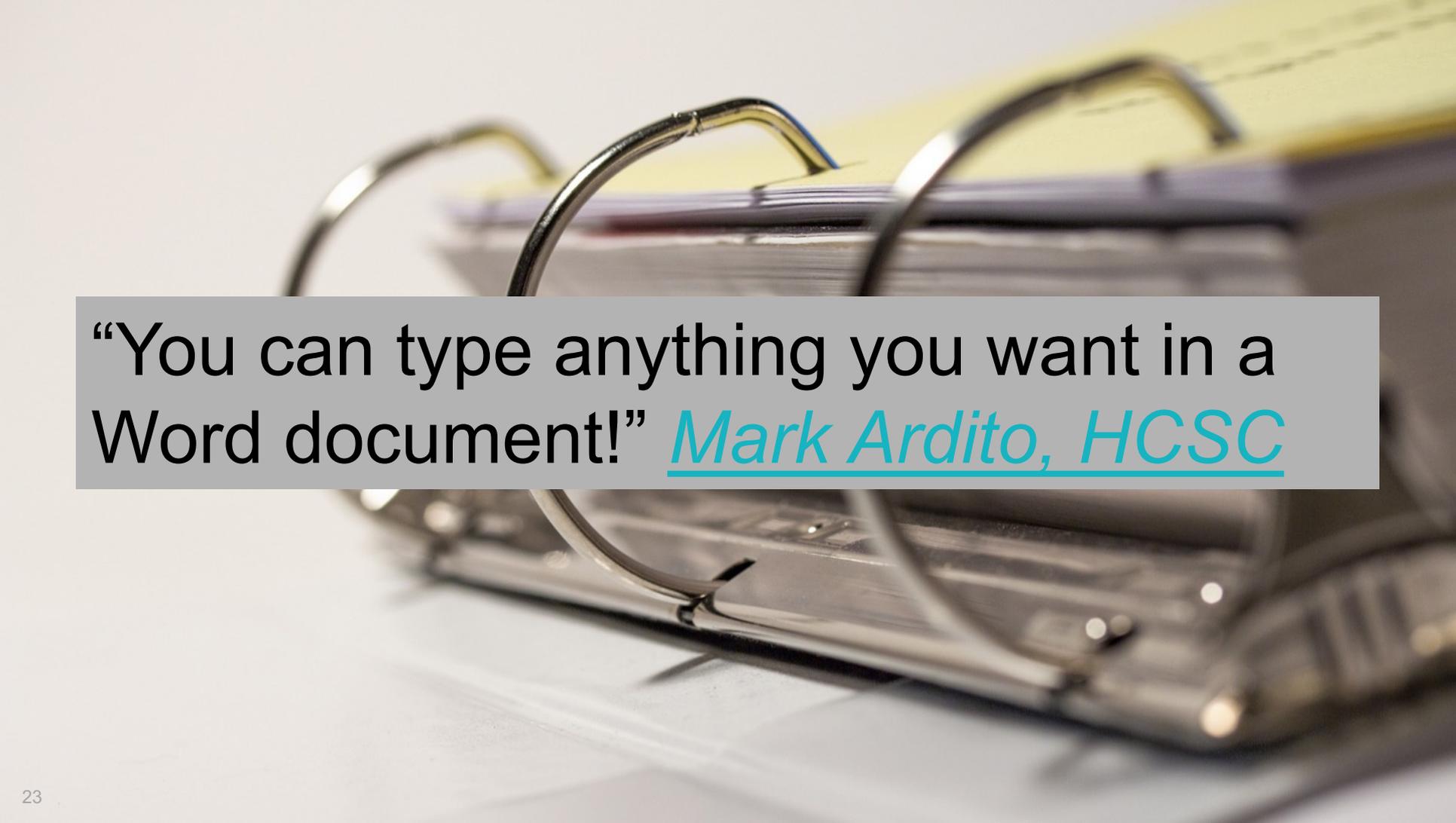
Pairing: across roles, geographies, rotating



Rule 1: Don't go to meetings. Rule 2: See rule 1.

A man in a dark suit, white shirt, and red tie stands in front of a chalkboard. He is pointing his right index finger upwards. The chalkboard has handwritten text in white chalk. The text is arranged in three rows, separated by a vertical line. The first row contains 'A always' on the left and 'A' on the right, with 'ntion' written further to the right. The second row contains 'B be'. The third row contains 'C coding'.

A always | A ntion
B be
C coding

A pair of silver-rimmed glasses is resting on a stack of papers and a laptop keyboard. The background is a soft-focus office setting with a yellow sticky note visible at the top.

“You can type anything you want in a Word document!” [Mark Ardito, HCSC](#)

Crafting Your Cloud-Native Strategy

by Michael Coté

Pivotal

EBOOK

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Thanks!

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Thanks to @botchagalupe finding [fringefocus's unicorns](#)

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