



The Business Necessity for Platform Engineering

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Introduction



Nathaniel Andersen
Sr. Director - Going Fast & Breaking Things



Andy Domeier
Sr. Director - Cloud, Platform, SRE

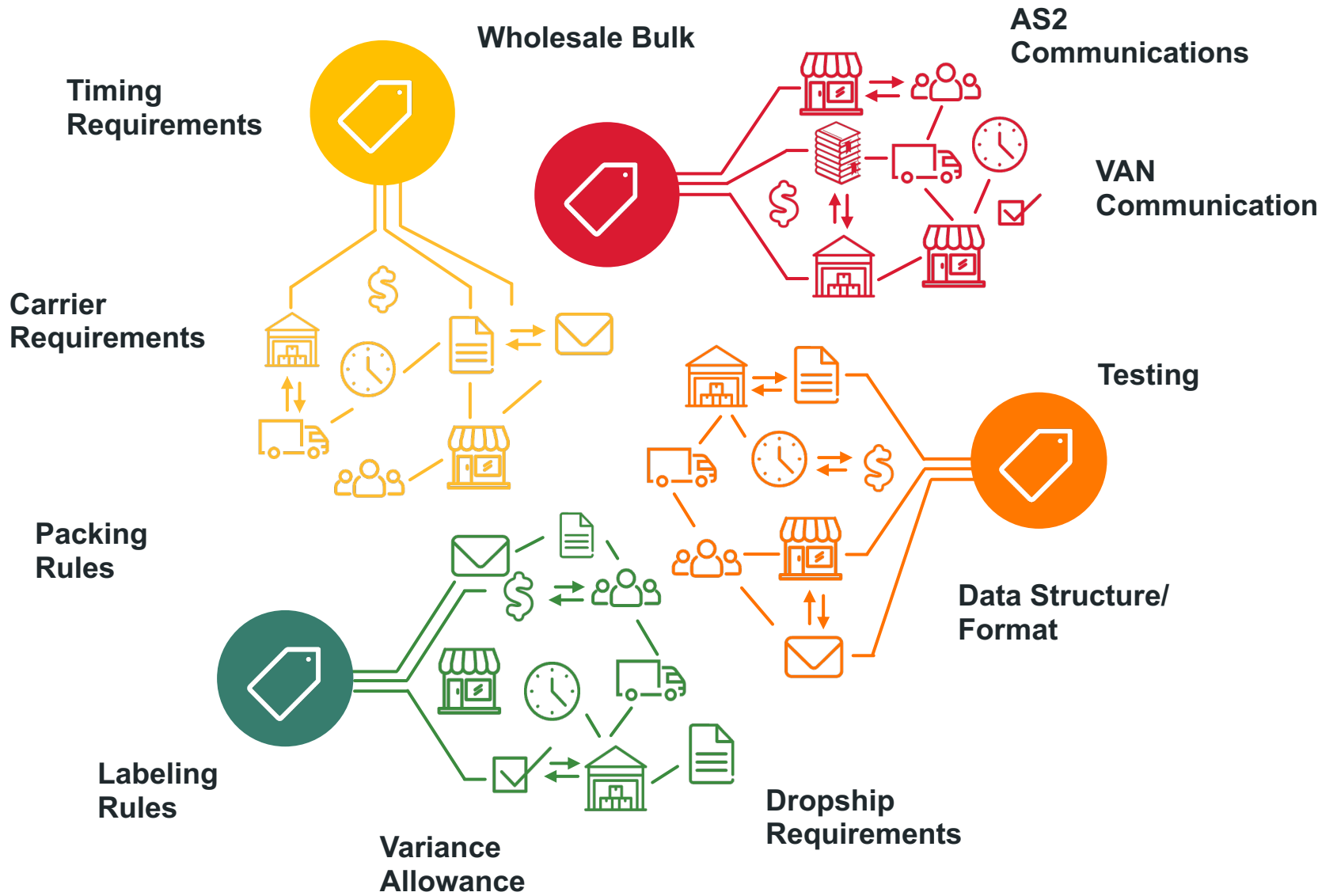
The Business Necessity for Platform Engineering

“Necessity”?

Supplier Business Needs are Complex

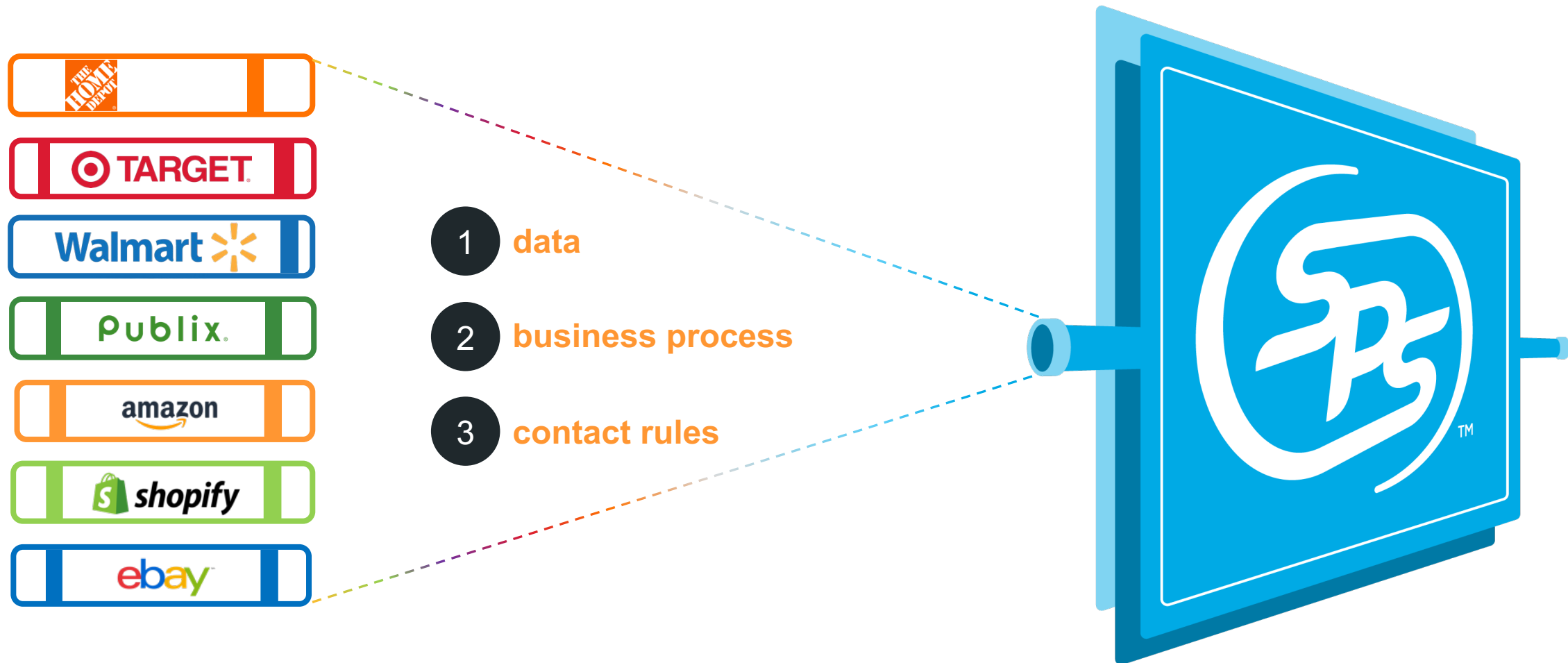


Every Retailer Has Unique Rules and Expectations




- 1 Data/Information Exchange
- 2 Business Processes
- 3 Contacts

Prebuilt All Retailer Expectations into a Single Connection



Experience and Expertise that Gave Us the Answers

1,000,000+



Connections

400+
System Partner
Relationships


3,500 

Buying Organizations

Retail • Distribution
Grocery • Manufacturing

100K+
Suppliers

All Fulfillment Models



**All Channels &
Product Categories**

Security Certified



Requirement – Be a High Performing Technology Organization



- What does success for Technology organizations look like?
 - Deployment Frequency
 - Lead Time for Changes
 - Change Failure Rate
 - Mean Time to Recovery

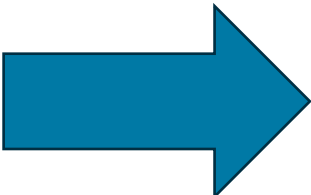
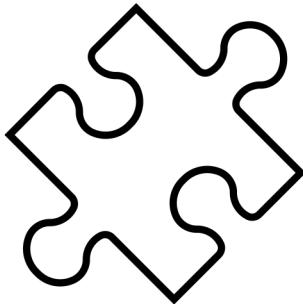
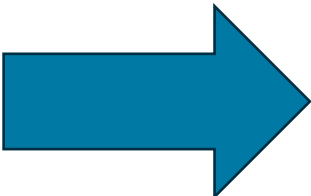
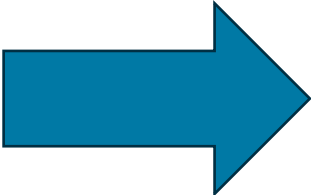
Let me tell you a story...



Let me tell you a story...



Let me tell you a story...





Priority Friction

Success requires our developers to be able to deeply focus on customer problems but also requires our developers to deliver highly available, secure, and cost-effective services

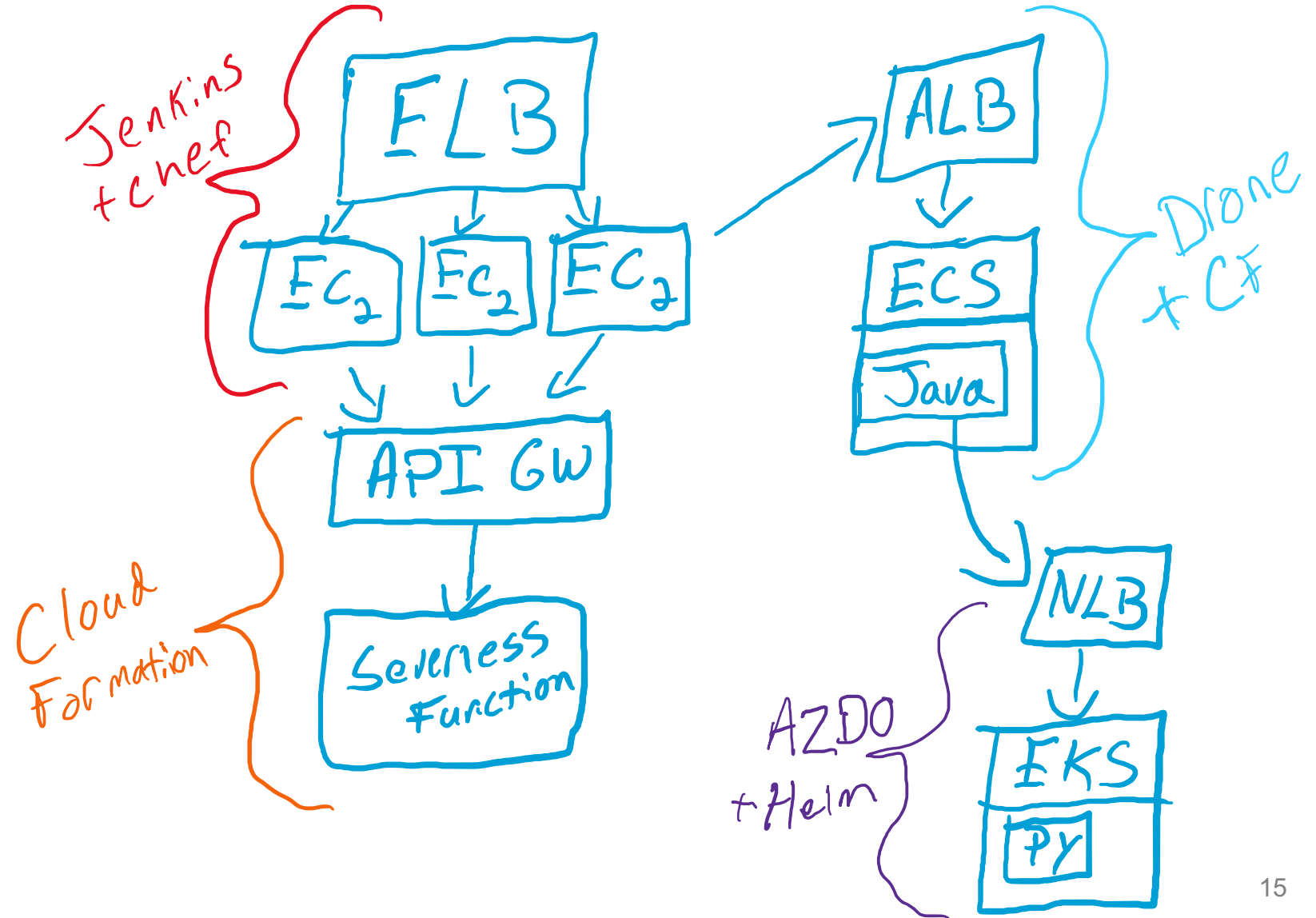
The Business Case Necessity for Platform Engineering

- The priority friction Software Engineering faces represents the “necessity” for Platform Engineering.
- Undifferentiated Engineering
 - This is engineering effort that must occur to some degree for service delivery.
Deployment, Infrastructure, Security, & Monitoring
 - Doing this as a product is Platform Engineering
 - Platform engineering improves developer experience and productivity by providing self-service capabilities with automated infrastructure operations
- Platform Engineering helps our engineers spend as much of their energy as possible focusing on the customer problem.

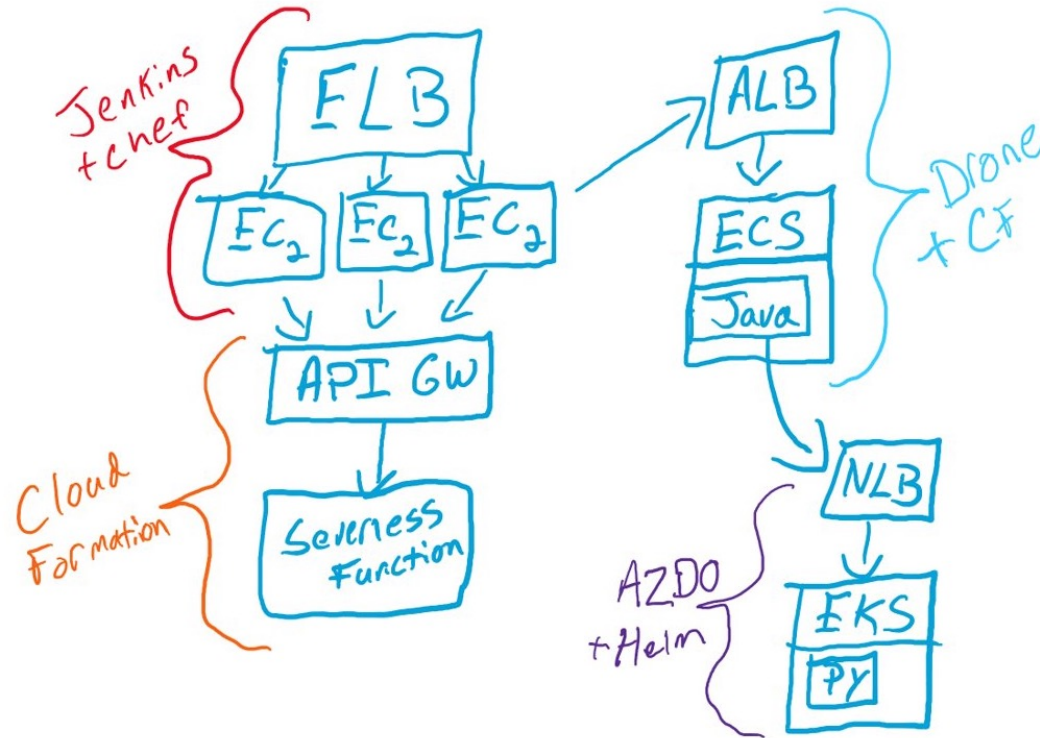
Platforms Accelerating Execution of Strategy



Platforms Accelerating Execution of Strategy

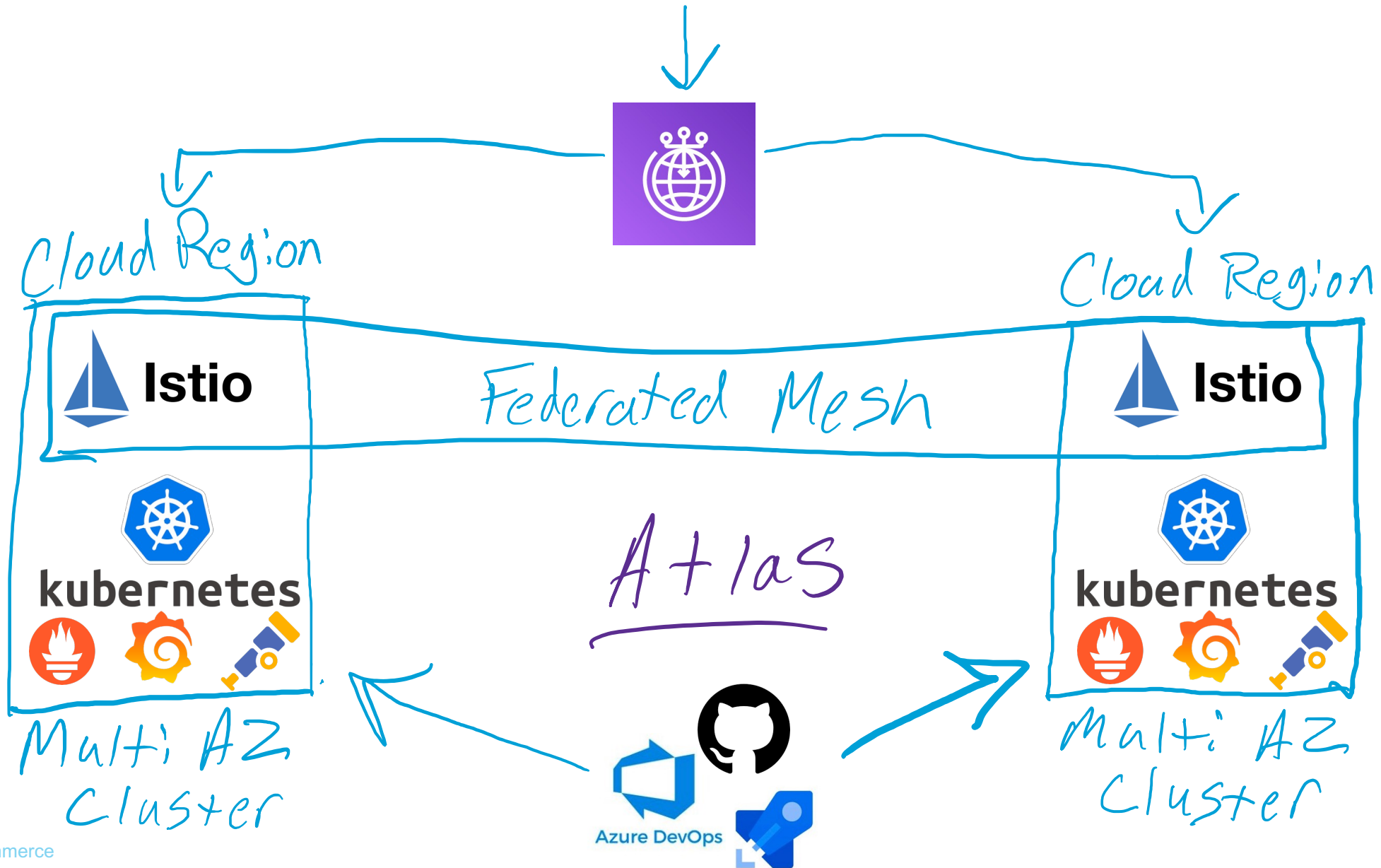


Platforms Accelerating Execution of Strategy



- Make this Multi-Region Please... x180
 - How do I route traffic?
 - Do I need separate secrets?
 - Can I replicate my jenkins server?
 - What in my build is hardcoded to regions?
 - What subnet is my database in?
 - Do I deploy to 1 region first?
- Undifferentiated engineering becomes an anchor and distracts your focus from the customer

Platforms Accelerating Execution of Strategy



Continuous Improvement Metrics

- Predictability Makes Measuring Metrics Easier
- Data Feedback Requires Time to Trend

857

#CHG +/-

-341,761

CHG Impact +/-

-0.18

Change Success Rate +/-

75

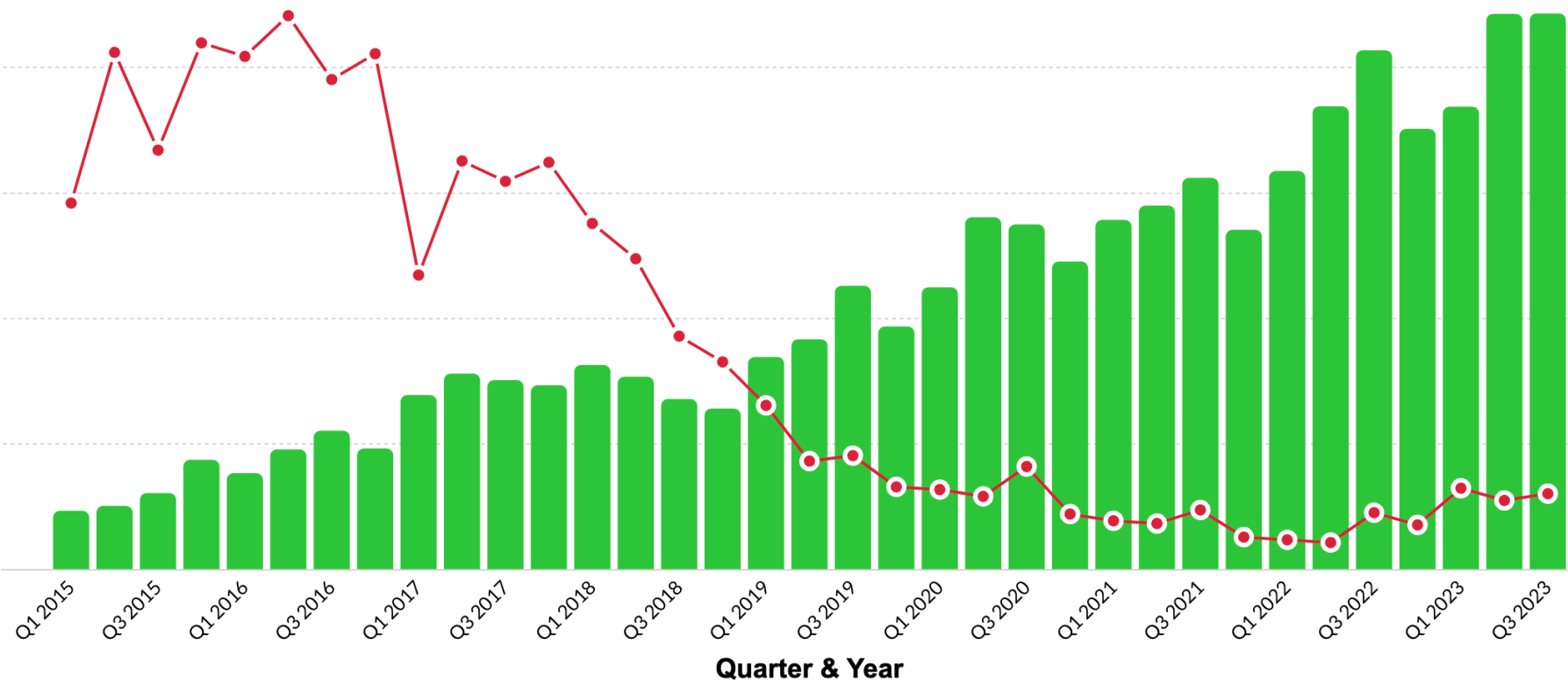
Unique Services +/-

-3,013,739

ID Impact YoY +/-

Legend

- Total Changes
- Total Incidents



What has our Journey taught us?

Localized iteration can slow you down

Drive Platform adoption by solving business needs not pretty numbers

It's customers all the way down:

- Leverage customer abstraction for Focus
- Leverage customer abstraction for Flow

A Platform Engineering silo is not so bad of a thing



Success Is No Accident



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Thank You

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