Managing Innovation at Scale

Senior Vice President, Utility Computing



WHO AM I?



20+ years at Amazon

For the last 11+ years...

Lead Product, Engineering, and Operations for AWS



WHO AM I?

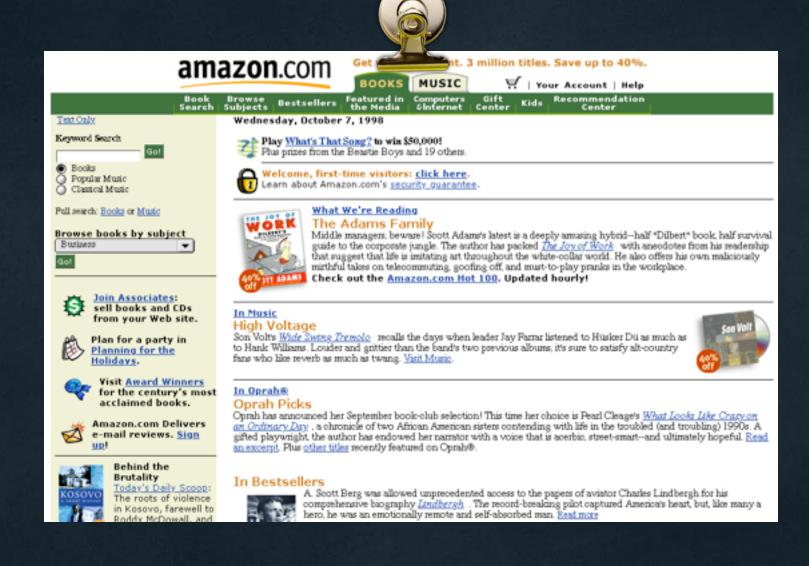




WHO AM I?









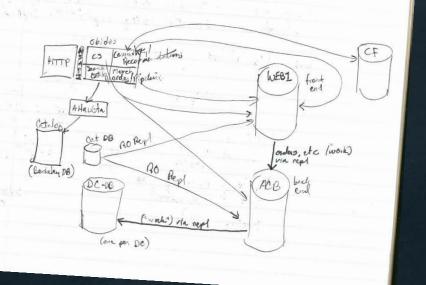




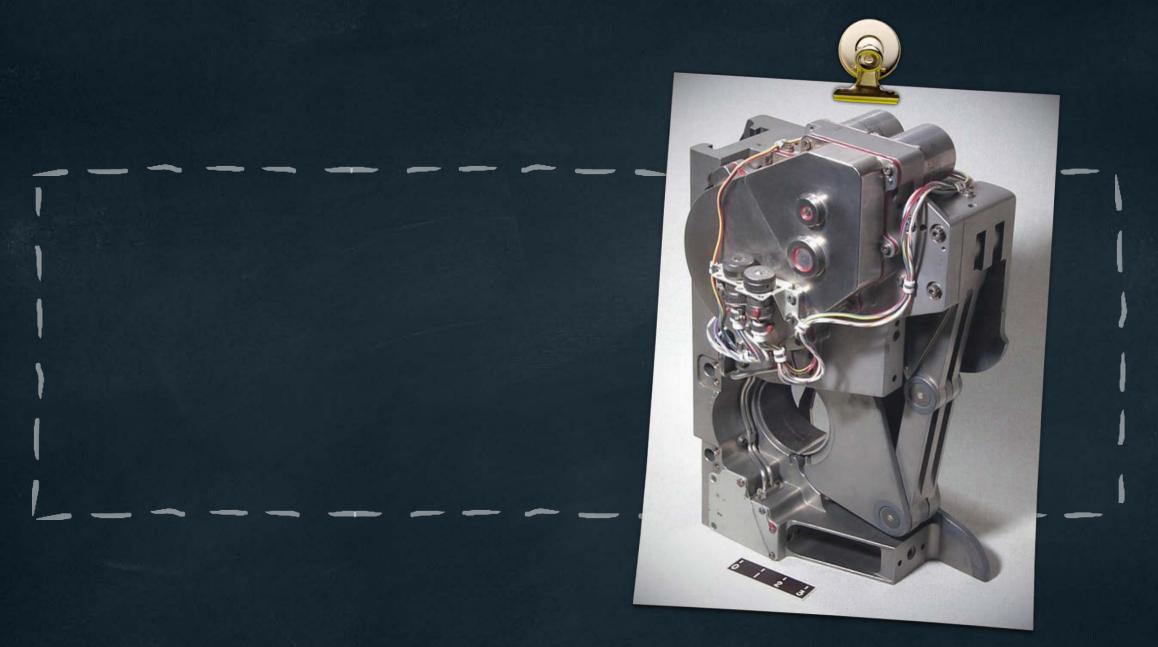
12/15 Amazon systems Overview

2 databases: WEBI, ACB (Amazon com. books) Replication between them of: austoner (astomers, address, cc, ...) 2 way Neb site - "Obideon No commerce sing order maps but (costomer orders) one way Datalog - Britishey DB, read-only to website, worlders atomically, search done using alterista

- Search & Cotales (Bakeley)
- e-purchandismy, order pipeline (WEB1)
- Community & recommendations (WEB1, CF-COMOS F./faij)
- Costomer care (ACE) WEB1)





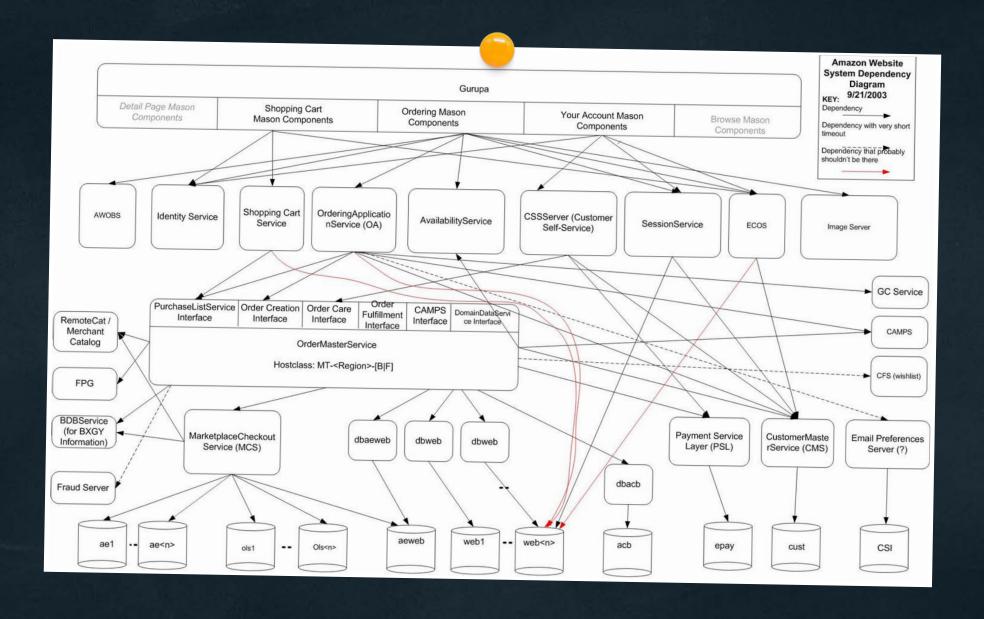




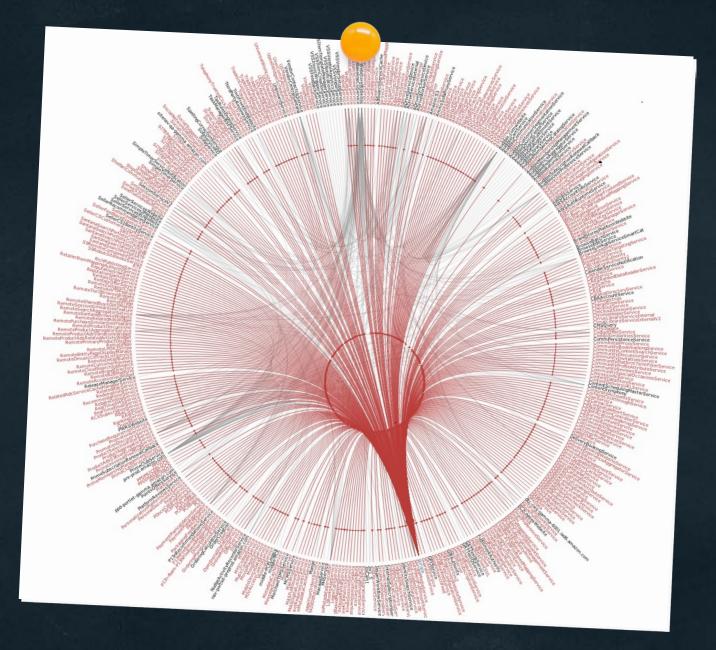


Need a Service Here











Ownership Model—2 Pizza Teams



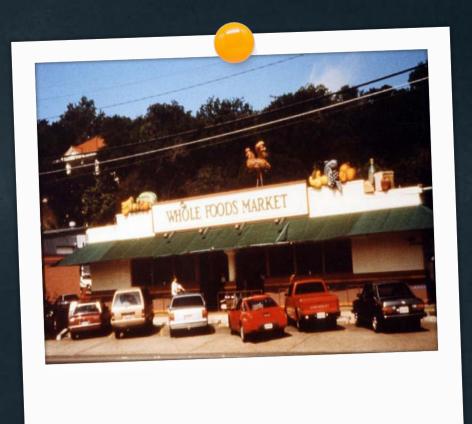
Single team owns a service end-to-end (they are the provider)

Able to feed the team with 2 pizzas





SINGLE-THREADED OWNERSHIP

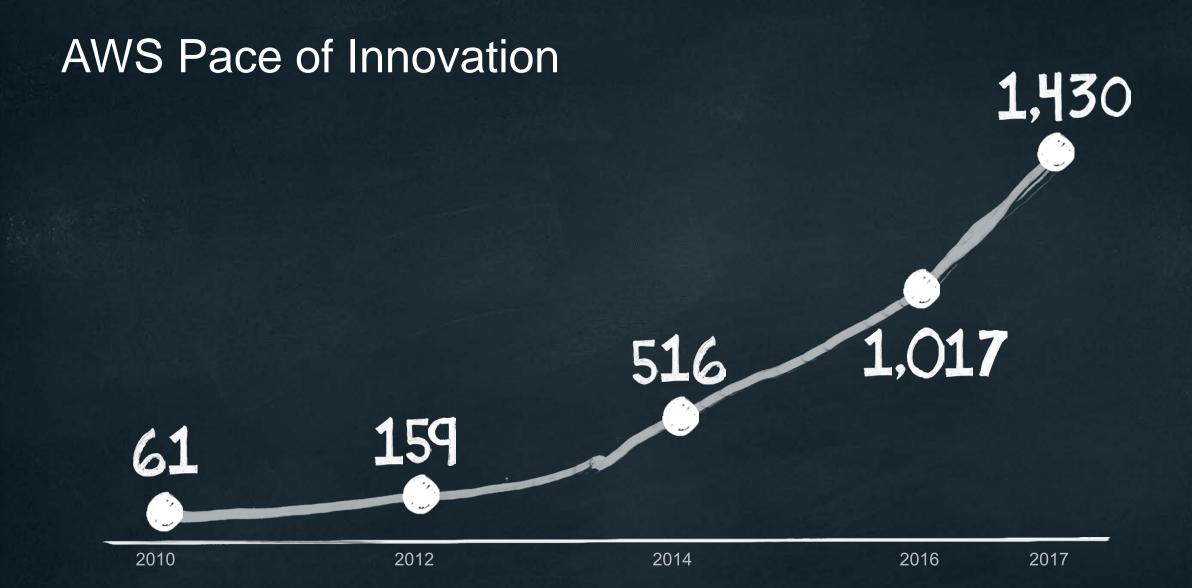




Ownership Drives Customer Focus









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Fraud Prevention



Keep customers safe and keep their costs under control

- 1. Real-time intelligence on the risk of an account
- 2. Mechanism to make this intelligence available to all services
- 3. Interpretability for the user

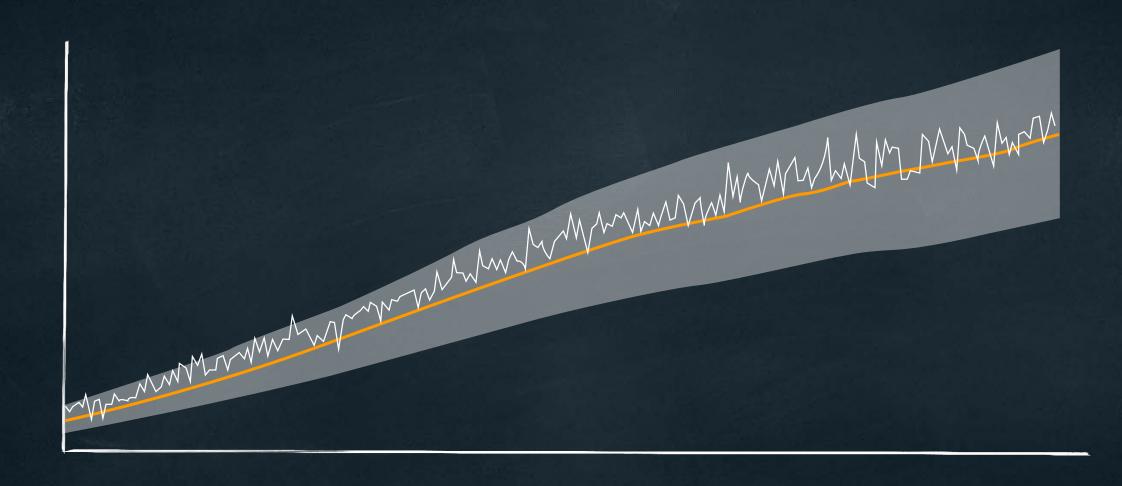


Fraud Containment Scores



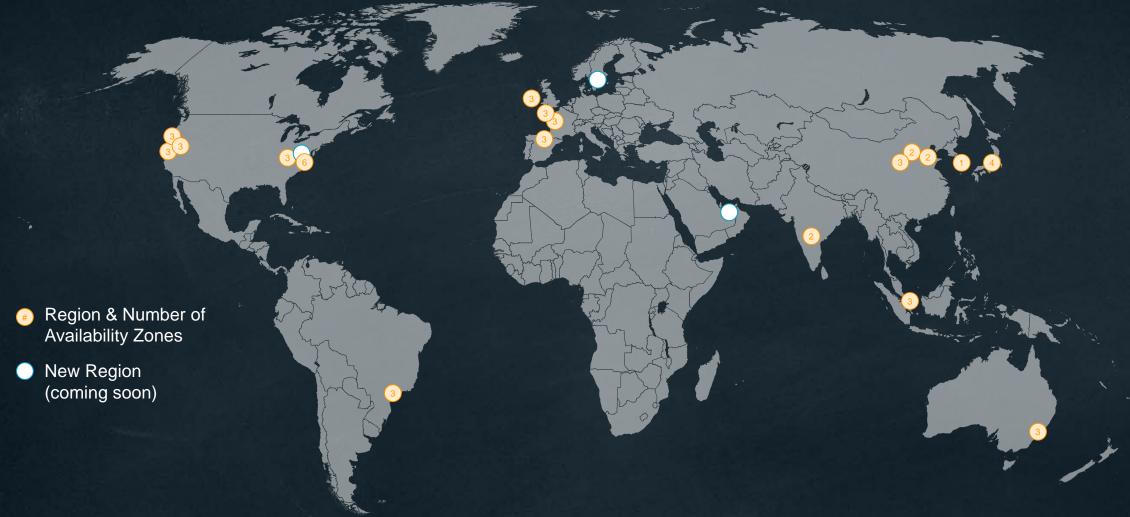


Supply Chain Forecasting



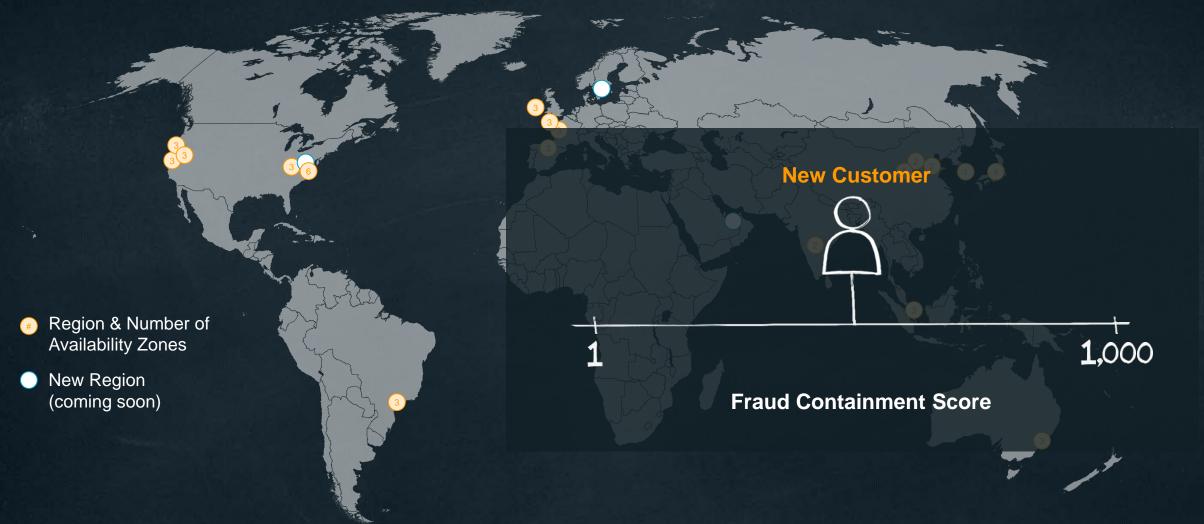


Admission Control





Admission Control







EXAMPLE

Amazon Connect



Press Release



SEATTLE—March 28, 2017 - Amazon Web Services, Inc. (AWS), an Amazon.com company (NASDAQ: AMZN), today announced Amazon Connect, a self-service, cloud-based contact center service that makes it easy for any business to deliver better customer service at lower cost. Amazon Connect is based on the same contact center technology used by Amazon customer service associates around the world to power millions of customer conversations. Setting up a cloud-based contact center with Amazon Connect is as easy as a few clicks in the AWS Management Console, and agents can begin taking calls within minutes. There are no up-front payments or long-term commitments and no infrastructure to manage with Amazon Connect; customers pay by the minute for Amazon Connect usage plus any associated telephony services. To get started with Amazon Connect, visit https://aws.amazon.com/connect.





Press Release What's being announced?

Who are the intended customers?

What is the job to be done, and how does this solve?

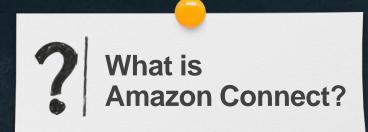
Why is this service remarkable or unique?

Simple, clinical; avoids hyperbole





FAQ



Amazon Connect is a selfservice, cloud-based contact center service that makes it easy for any business to deliver better customer service at lower cost ? | Can I really set up Amazon Connect in minutes?

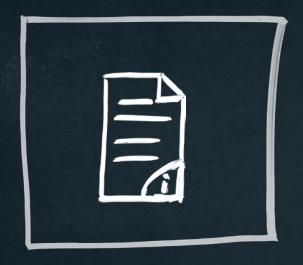
Yes. We encourage you to go to the Amazon Connect console and set up an Amazon Connect Virtual Contact Center now

? Is Amazon Connect scalable?

Yes, the technology that powers Amazon Connect has been proven to scale with the needs of Amazon's award winning customer service. It's in use by teams ranging from ten to tens of thousands of agents



FAQ



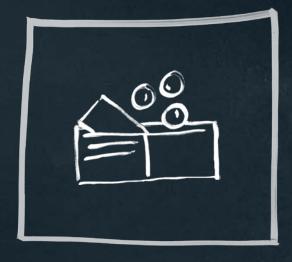
Adds detail to what's introduced in the PR



Provides specifics about the **customer experience**—API, desktop, web, mobile



Explains the relationship with other services

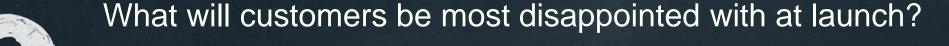


Proposes a pricing structure



Questions We Often Ask in the FAQ

What will customers most like in this service?



What relevant use cases would not be addressed by your service?

Are we making decisions that take us through "one-way doors"?

What do you want someone sitting across the table at lunch saying about your product?



Inspection: WBR





Metrics Deck

Week 15

04/08/2018 - 04/14/2018

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WBR Tenet

- 1) The meeting provides regular and frequent insight into the business performance and trends
- The meeting is an overview of the AWS business. Services, Infrastructure, and Sales/Marketing WBRs & metrics reviews are conducted to monitor and control at a more detailed level
- 3) The document and discussion should help connect the dots on larger trends that may not be visible within each team
- 4) Documents and discussions should primarily focus on inputs and speak to exceptions/noteworthy items
- 5) Documents and discussions should focus on issues that have broader implications. The responsibility is on the owner to identify items of common interest for discussion or input
- 6) WBR is a mechanism to ensure leaders are on top of their inputs/diving deep (it is not a pop-quiz)
- In addition to understanding the business performance and trends, WBR serves as a teaching opportunity and reinforces the AMZN/AWS principles

Metrics Deck Ground Rule

- 1) Start with a success story
- Focus on "Why" (root cause), not just "What"
- 3) Look at performance vs. Plan, vs. Current Estimate and vs. Prior Year
- 4) The business owner should arrive with root causes known
- 5) If root causes are not known, establish a follow up owner and timeline for answering
- 6) A secondary purpose is to help the management team align on the same "mental model" of how the business should be run including priorities and processes
- We should not be spending significant time drilling down into root causes during this meeting. A monthly business review or separate
 meeting is a better forum for detailed "deep dive" discussions

Trading Window Restriction

The Amazon Web Services Metrics Deck may contain material nonpublic information and access to it will subject you to the trading window established by the Company's Insider Trading Policy. Based on your role and function at the Company, you may already be subject to the trading window. You may not share this data with, or forward this data to, any other person. If you have any questions, please send email to stock policy

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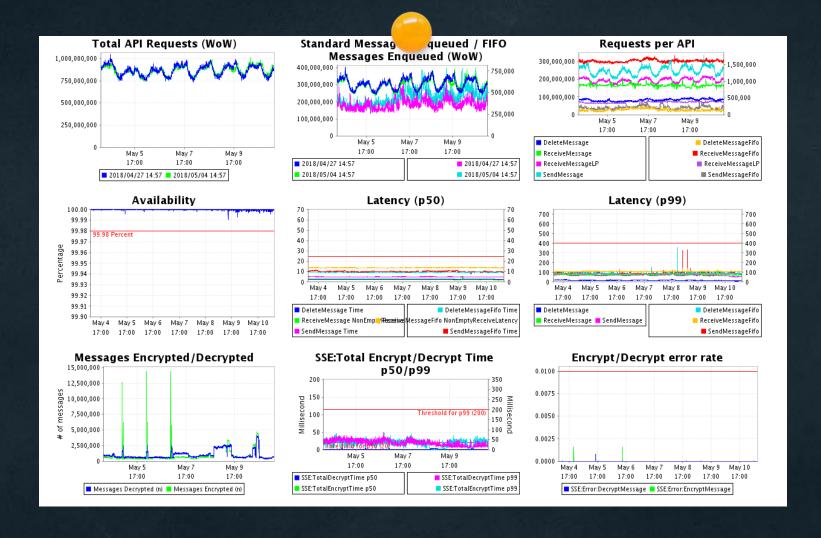


Inspection: The Wheel





Inspection: Service Dashboard





What Makes it Work?

One thing I love about customers is that they are divinely discontent.

Their expectations are never Static — they go up.

It's human Nature. We didn't ascend from our hunter-gatherer days by being Satisfied. [...] You cannot rest on your laure is in this world.

Customers won't have it. ??



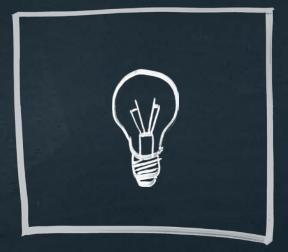
High Standards



They are teachable



They are domain specific



You must recognize them



Must explicitly coach realistic scope

"And finally, high standards are fun! Once you've tasted high standards, there's no going back."



Scope









THANK YOU!

Q & A

