

Big Data for Disruptive Models

David de Santiago, Digital Transformation EMEA, Amazon Web Services



SOFTWARE IS EATING THE WORLD



DATA IS FUELING SOFTWARE



amazon webservices

n Machine
nalyze customer
on packaging and
predictions to identify
aucts that are suited for our
Frustration Free and
eCommerce ready packaging
standards"





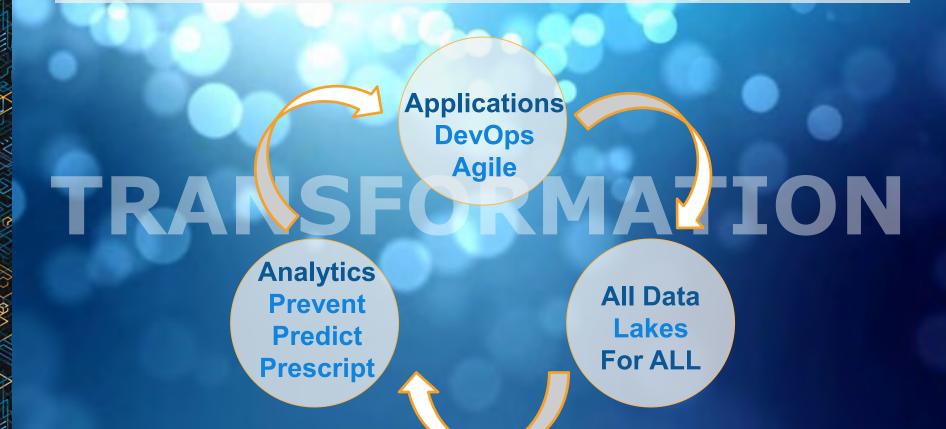


what makes Amazon Echo able to respond to your voice

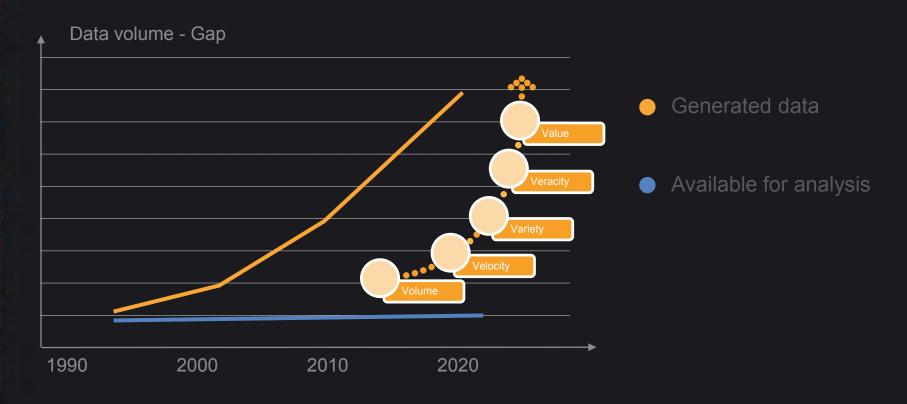




What does it take to be data driven?



A Growing Gap

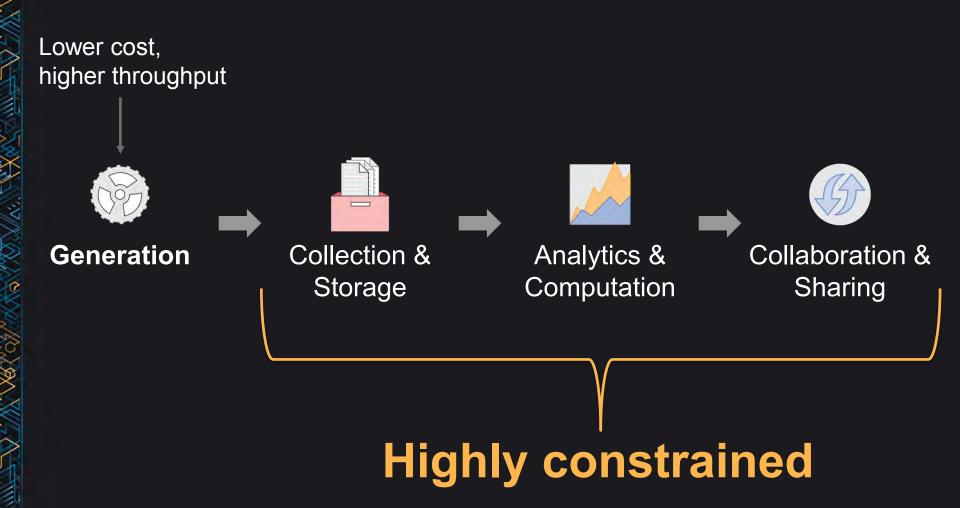


Gartner: User Survey Analysis: Key Trends Shaping the Future of Data Center Infrastructure Through 2011 IDC: Worldwide Business Analytics Software 2012–2016 Forecast and 2011 Vendor Shares

Extracting the value of the data



Big Data is Breaking the Old Tools



Elastic and highly scalable

No upfront capital expense

Only pay for what you use

Available on-demand

Remove constraints

AWS Big Data Portfolio

Collect



Direct Connect



Kinesis (Streams)



Firehose



Database Migration

Store

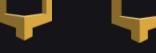


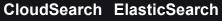
RDS, Aurora











Analyze







Learning









TRANSFORMATION is treating Data as a

Production Asset as Capital

Many Thousands of Companies Use AWS for Big Data

NOKIA

NETFLIX

NASDAQ OMX°

PHILIPS

































FINRA Performs Daily Petabyte-Scale Analysis on Trading Data Using AWS



We chose AWS to deliver innovation at a much larger scale and much faster to our core business.

Saman Michael Far Sr. Vice President of Technology

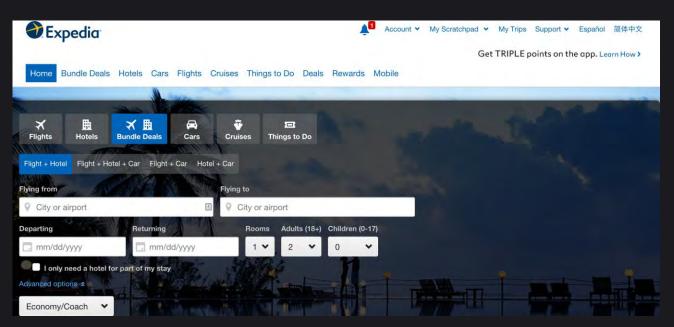


The Financial Industry Regulatory Authority (FINRA) is the largest independent regulatory authority in the United States. It is based in Washington, D.C.

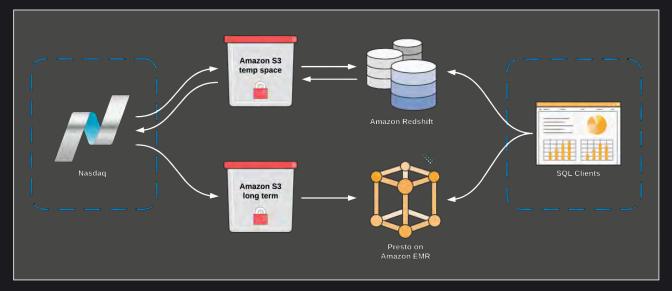
- Wanted a platform to provide greater speed and scalability for analyzing petabyte-scale data
- Migrating mission-critical operations to AWS
- Can provide analysts with real-time access to 75 billion records collected daily
- Can move faster, more efficiently in serving core business processes



World's leading online travel company, with a portfolio that includes more than 150 travel sites in 70 countries.







Migrated off legacy DW to Redshift (start to finish) in 7 man-months

Redshift costs 43% of legacy DW for the same data set (legacy DW cost \$1.2M/ year)

Tuned queries now running faster in Redshift than on legacy system

TRANSFORMATION underpinned by Big Data Join me on next session for the DISRUPTION recipe