# Move fast, build things

#### Julien Simon, Principal Technical Evangelist Amazon Web Services

@julsimon





# Why are people so passionate about the Cloud?

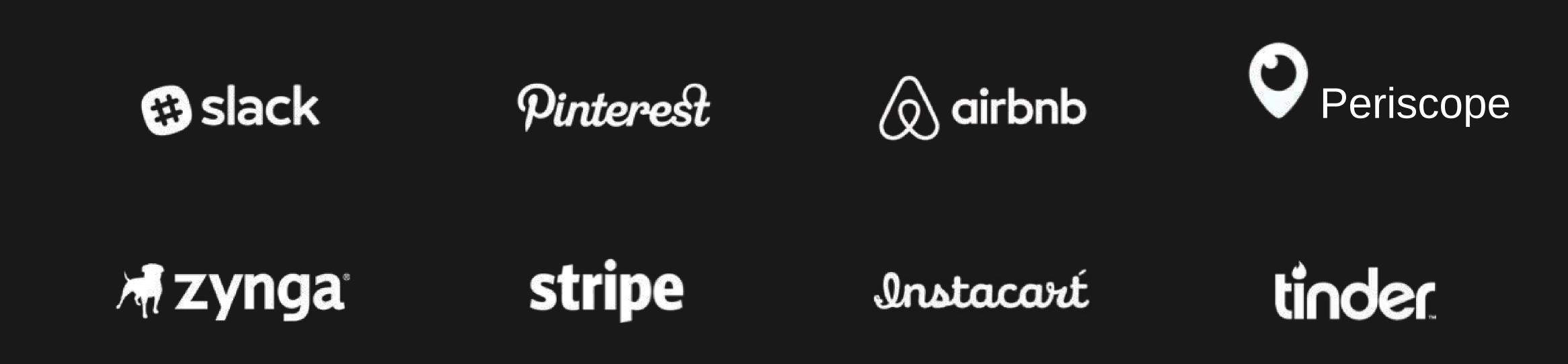
#### Freedom

to dream,
to experiment,
to mine data,
to deploy,
to scale

## Freedom to dream

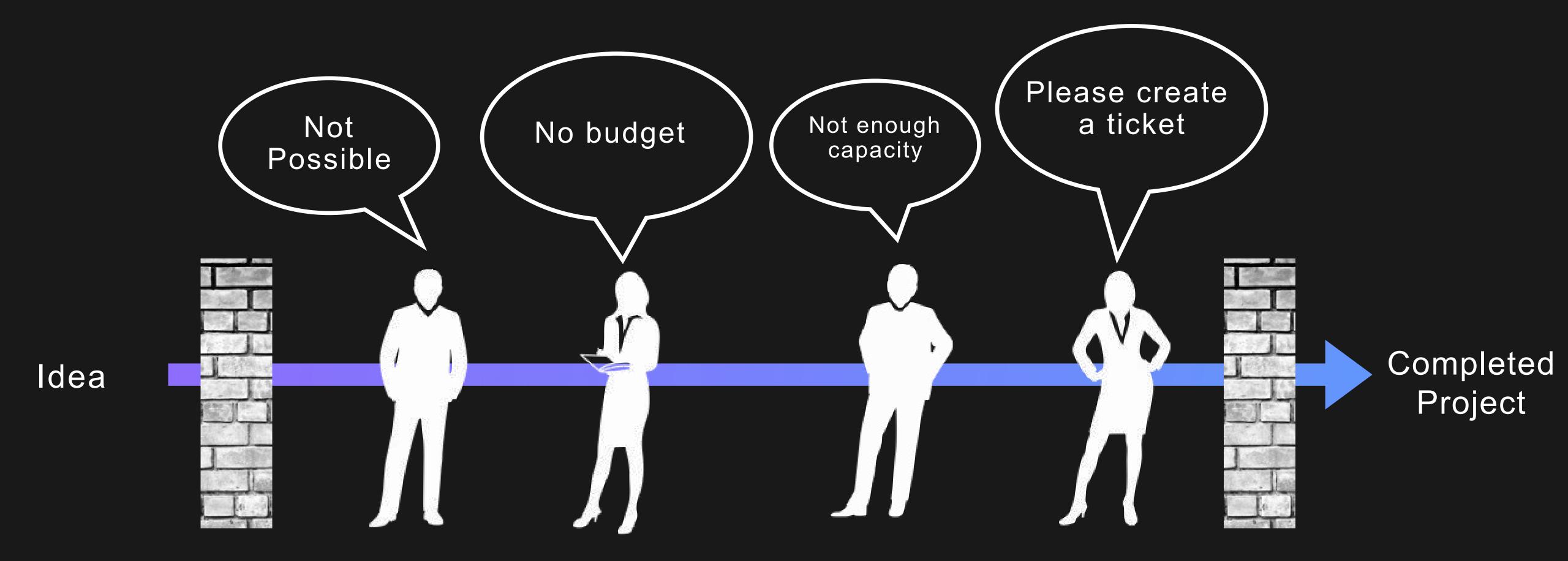


### On AWS from day 1



# Freedom to experiment

#### Tired of this?



### Key Components Of Agility







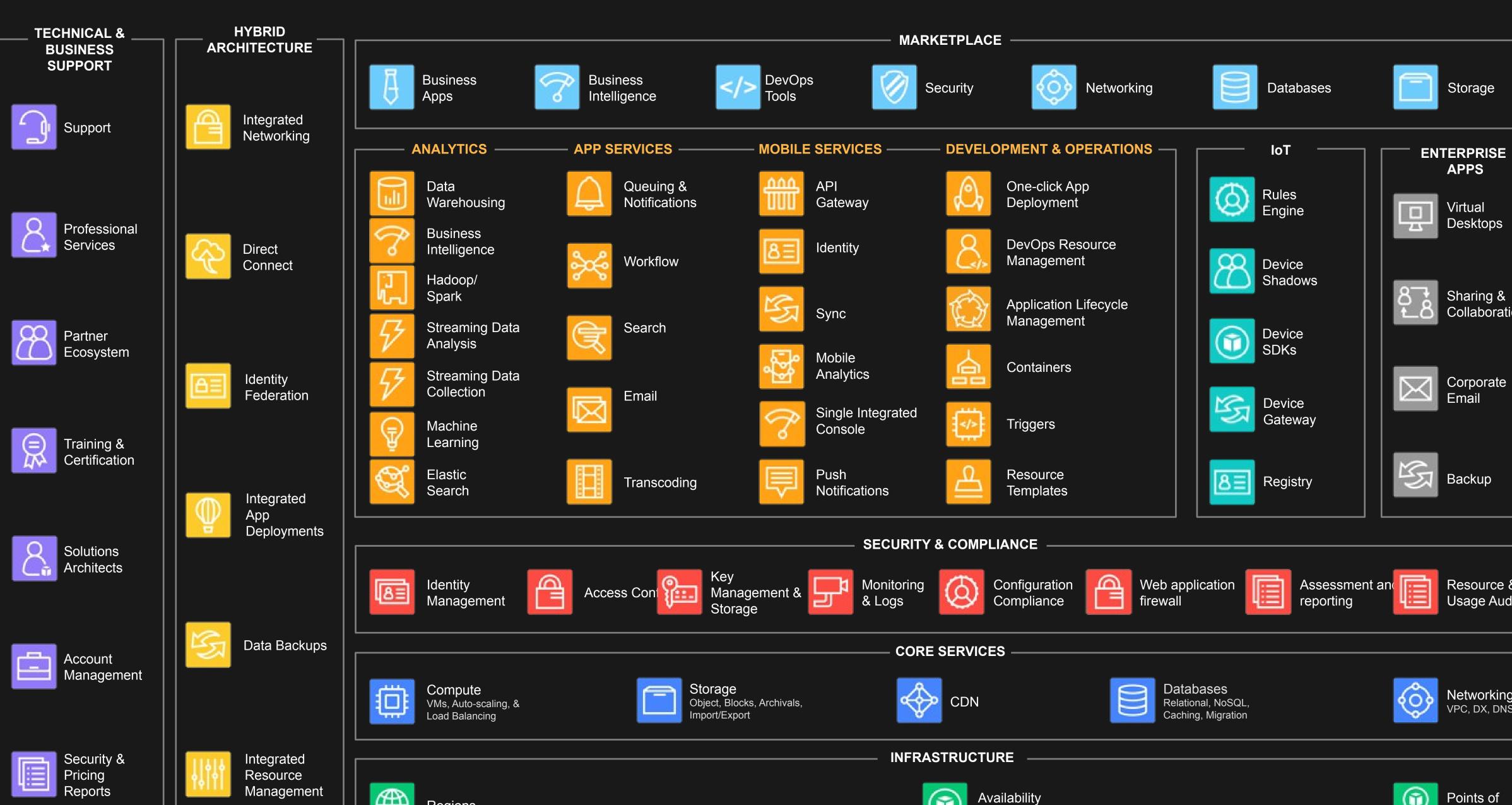




Vast infrastructure technology platform

Quick provisioning

True Agility



Regions



Zones

Storage

**APPS** 

Virtual

Desktops

Sharing &

Corporate Email

Backup

Resource &

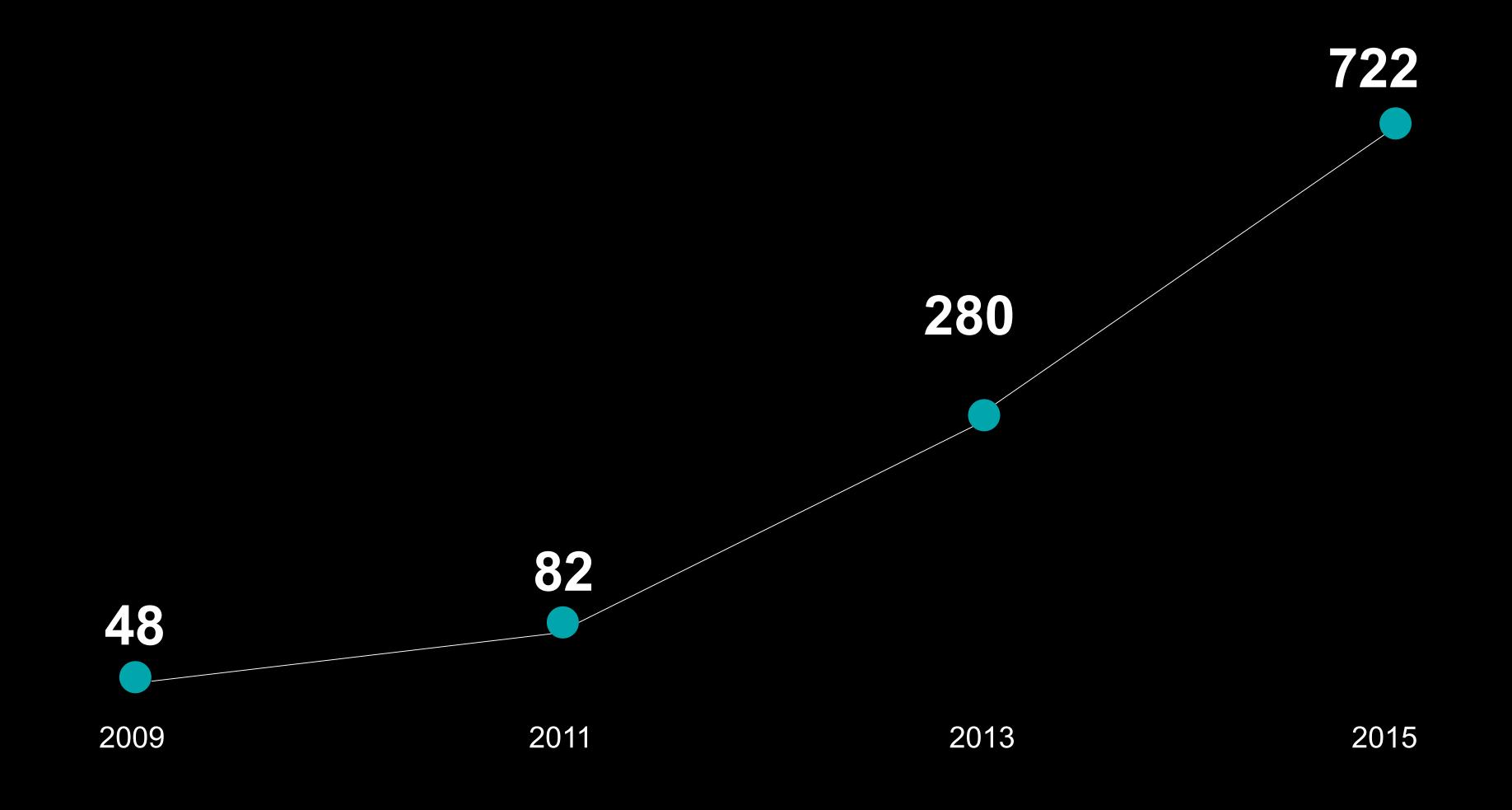
Networking

VPC, DX, DNS

**Usage Auditing** 

Collaboration

#### New AWS features



GovCloud **Amazon Cognito** Import/Export Snowball **AWS Storage Gateway** AWS OpsWorks Amazon CloudTrail AWS CodeDeploy Amazon Config Amazon CodeCommit EC2 ElastiCache **AWS Elastic Beanstalk Amazon SES Amazon Kinesis** Container Service CloudHSM Elasticsearch Service **Elastic Transcoder EC2 Container** Amazon WorkMail Registry **AWS Certificate Manager** AWS CodePipeline Amazon EFS Amazon Route 53 Redshift Lambda **Identity & Access** Management **AWS** CloudFormation Amazon AppStream AWS Device Farm Dynamo DB Directory Amazon RDS QuickSight **AWS Data** Service for Aurora Pipeline AWS WAF AWS Mobile Hub Amazon SWF RDS for MariaDB **Amazon API Amazon SNS** AWS KMS Gateway CloudWatch Logs Mobile WorkSpaces WorkDocs **AWS IoT** Analytics CloudSearch **Amazon Machine AWS Direct** Glacier **AWS Service** Learning **AWS Import/Export** Connect Amazon Inspector Catalog As of 1 Mar 2016



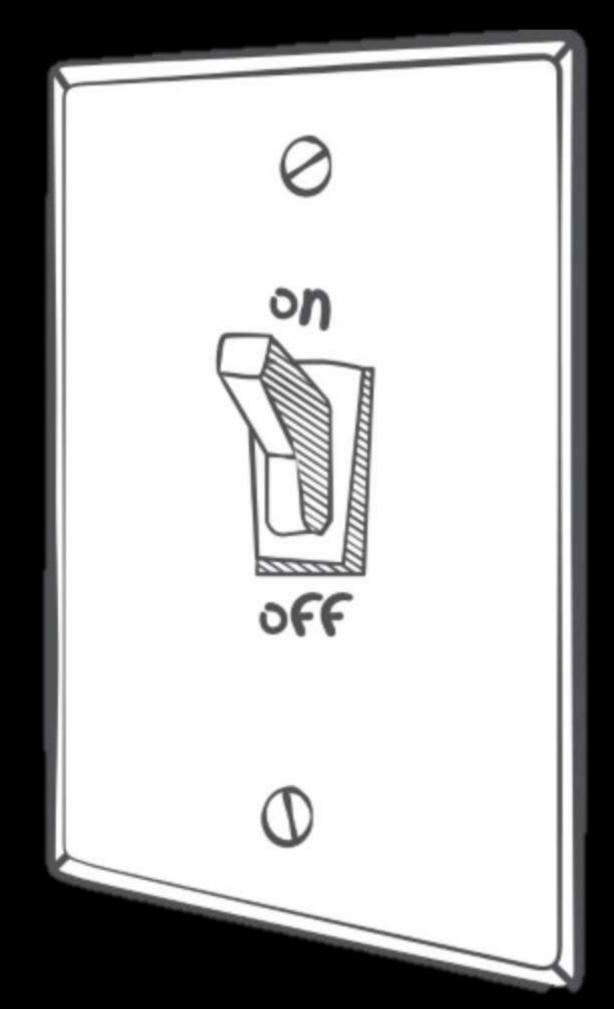
Everything is a click or an API call away

Pay as you go

Free tier on many services

Low cost of experimentation

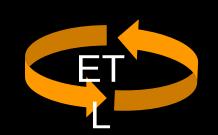




# Freedom to mine your data

#### Collect

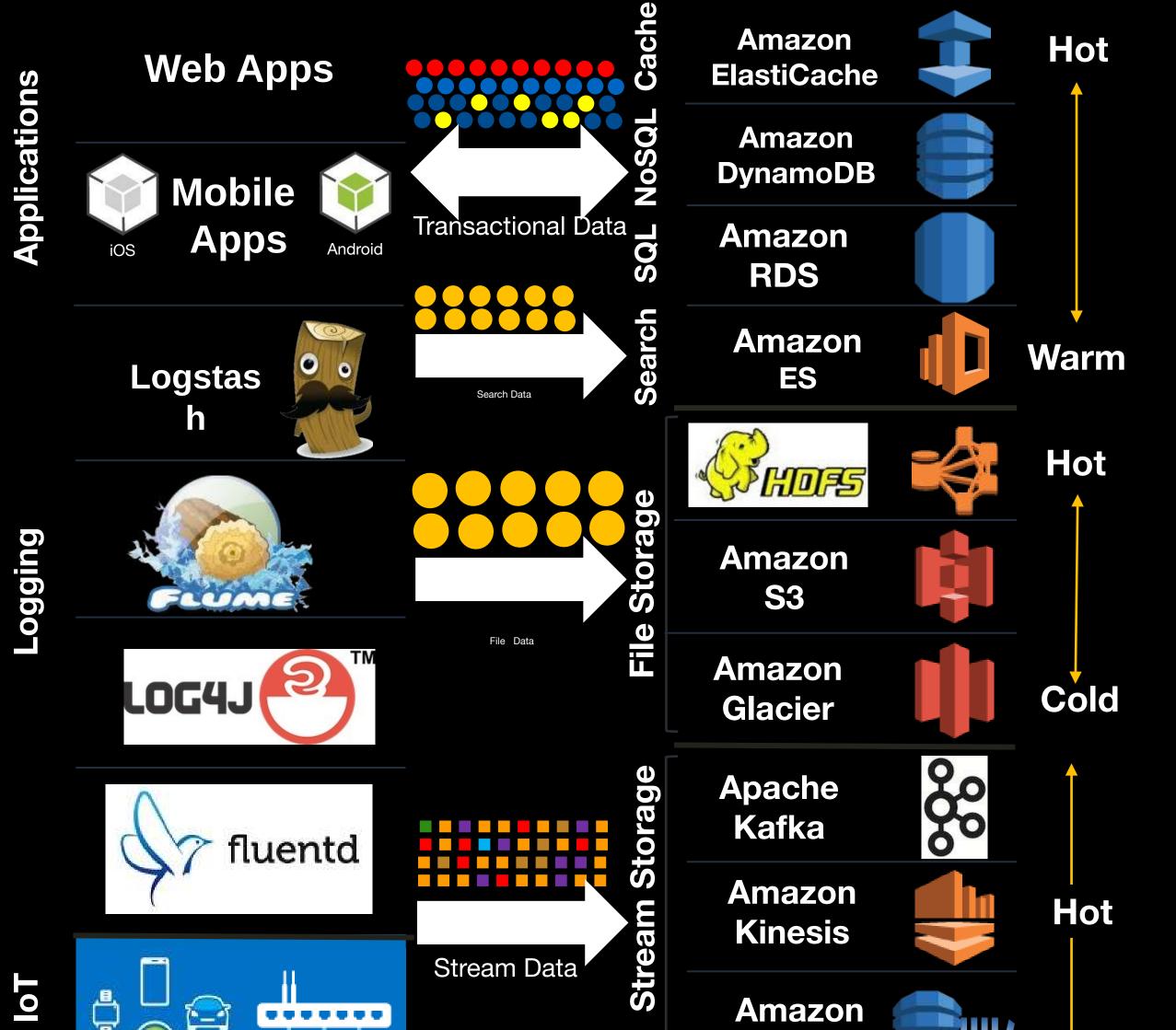




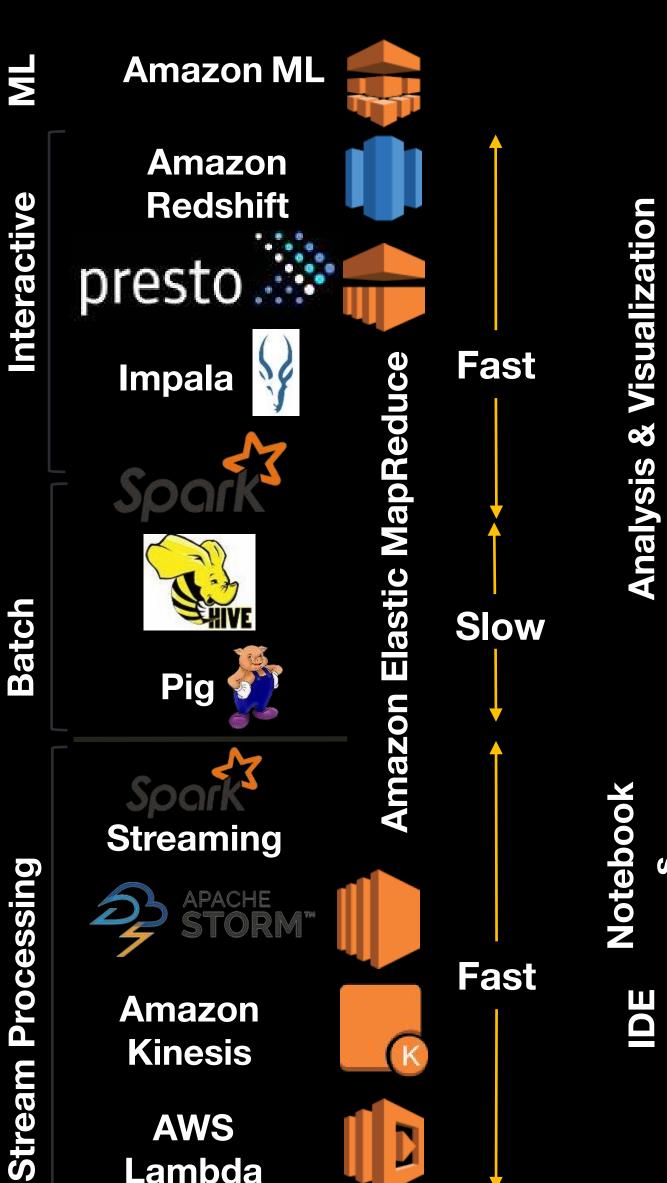
#### Analyze



#### Consume



DynamoDB



**AWS** 

Lambda



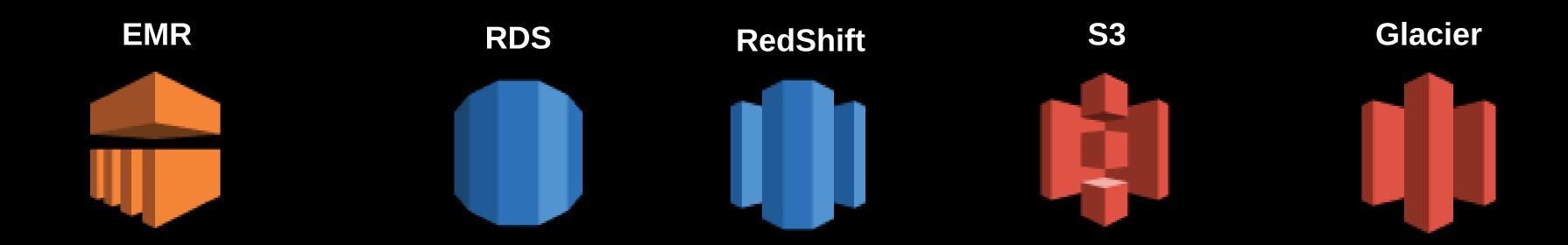
Apps & APIs

#### Case study: FINRA



Independent regulator for US equities and options trading

Over 10,000 EMR nodes to process 75 billion events daily



FINRA estimates it will save up to \$20 million annually by using AWS instead of a physical data center infrastructure

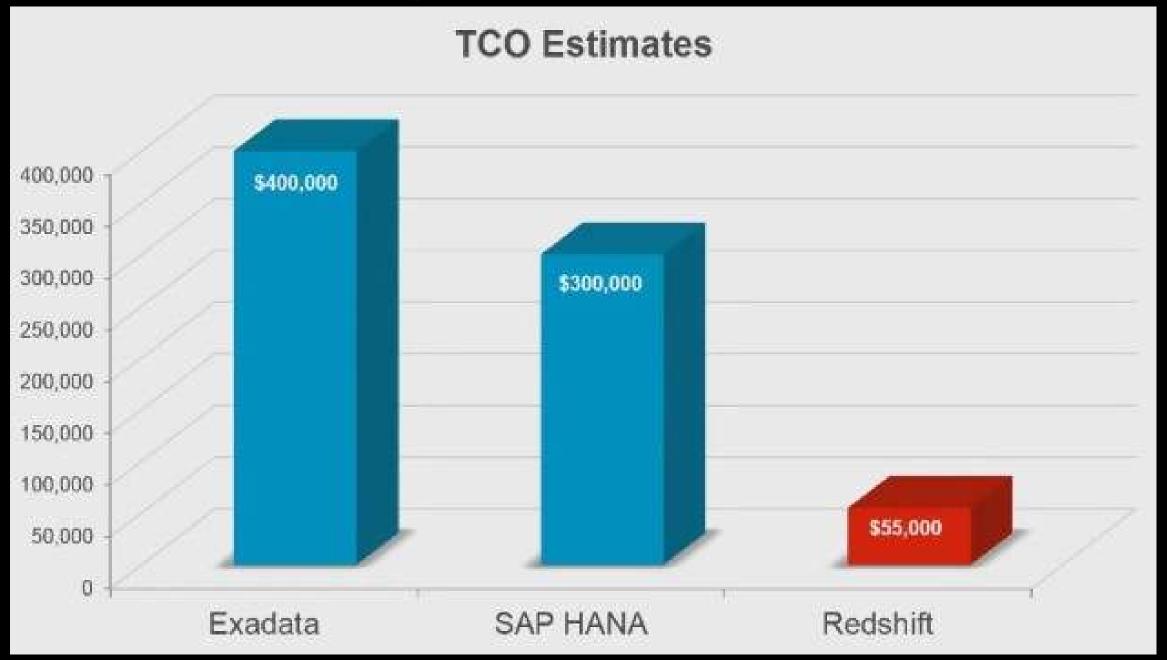
#### Case study: Boingo

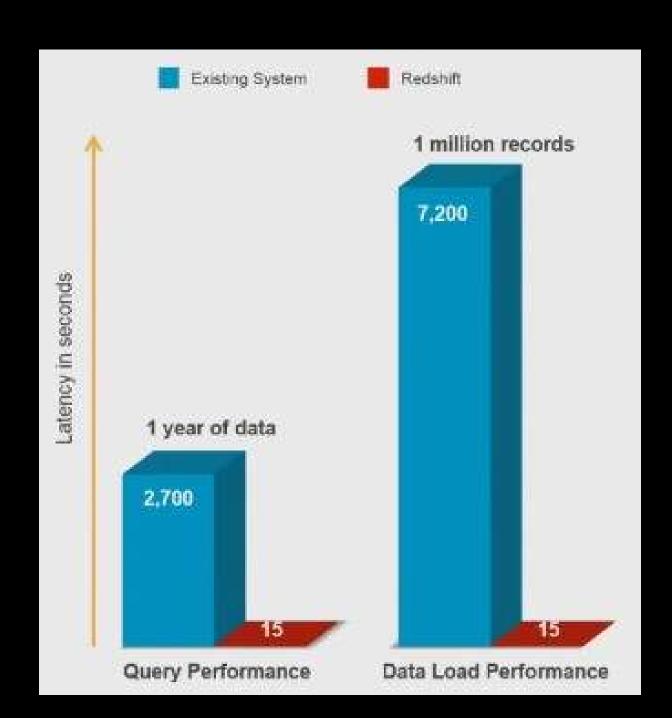
<u> https://www.youtube.com/watch?v=58URZbp1voY</u>



- Largest operator of airport wireless hotspots in the world: 1M+ hotspots, 100+ countries
- About 15 TB of data, growing at 2-3 TB per year
- Platform running on SAP (ETL) & Oracle 11g: low performance, heavy admin, high cost
- Evaluated Oracle Exadata, SAP HANA and Amazon Redshift
- Selected Amazon Redshift and migrated in 2 months

#### 6-7x less expensive than alternatives





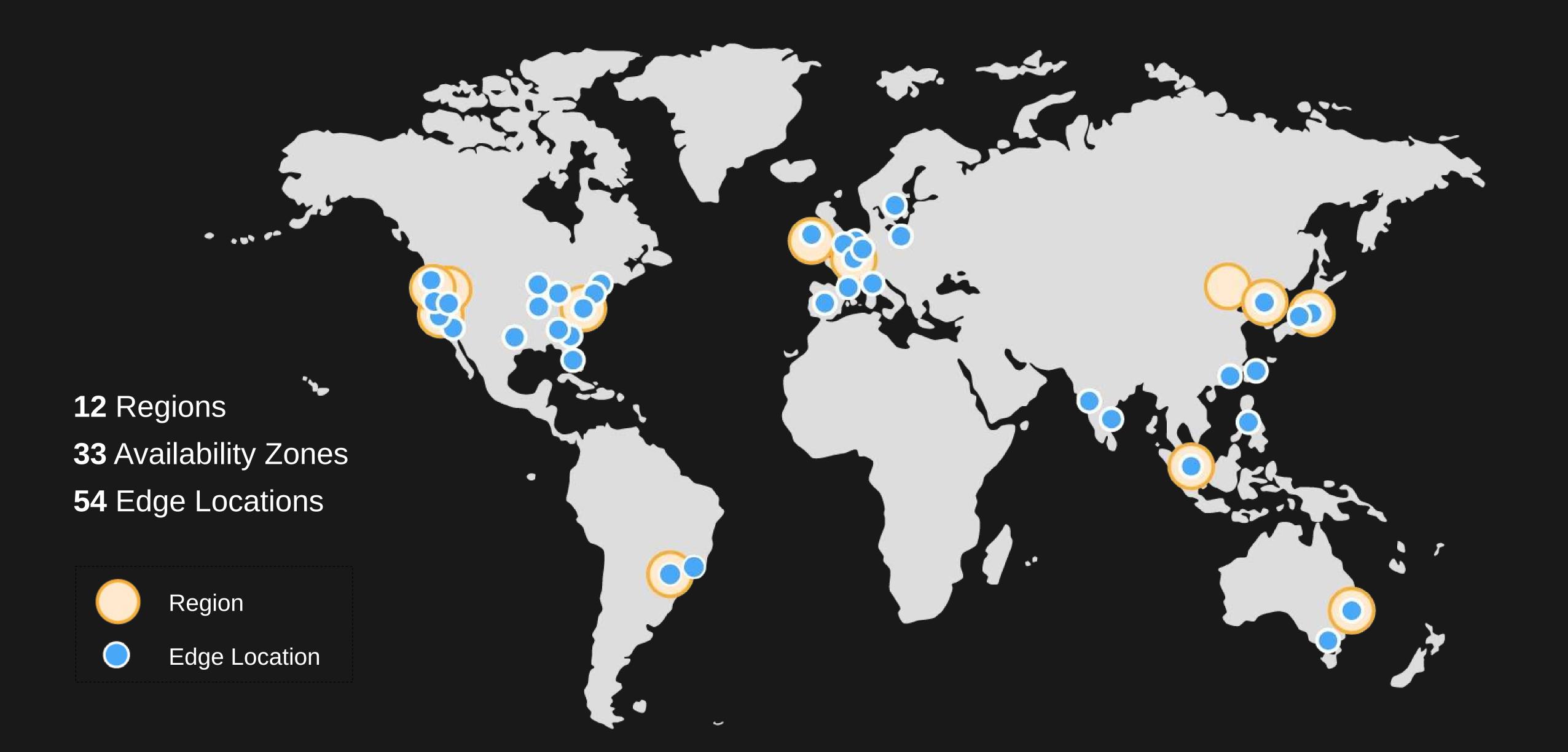
Queries 180x faster

Data load
480x
faster

### Freedom to deploy

where you like,
the way you like,
continuously,
securely

### AWS Global Infrastructure



#### laaS, PaaS, containers or serverless: your pick



EC2

Amazon Elastic Compute Cloud (EC2) provides resizable compute capacity in the cloud.



#### Elastic Beanstalk

AWS Elastic Beanstalk is an application container for deploying and managing applications.



Lambda

AWS Lambda is a compute service that runs your code in response to events and automatically manages the compute resources for you.



#### EC2 Container Service

Amazon ECS allows you to easily run and manage Docker containers across a cluster of Amazon EC2 instances.



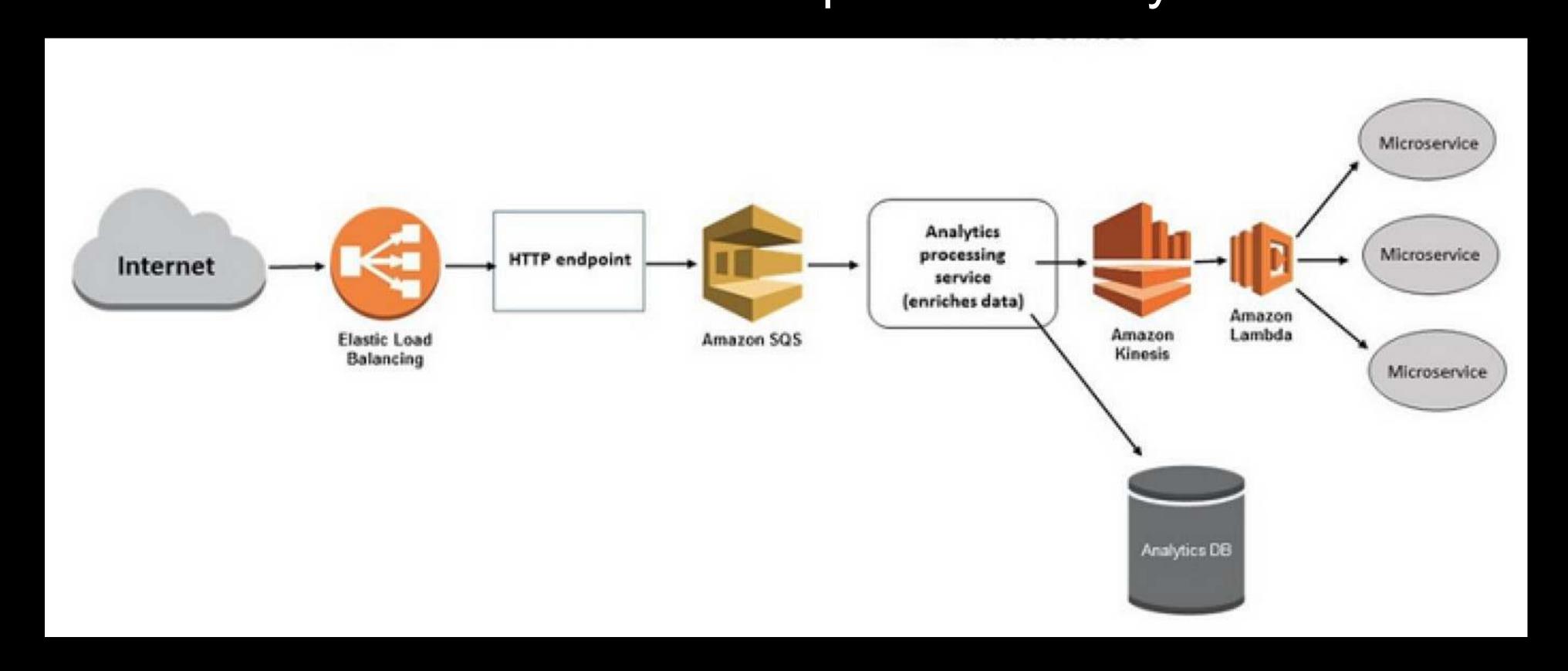
Werner Vogels, CTO, Amazon.com AWS re:Invent 2015

#### Case study: Localytics

https://aws.amazon.com/fr/solutions/case-studies/localytics/

Web and mobile app analytics and engagement company

100 billion data points monthly

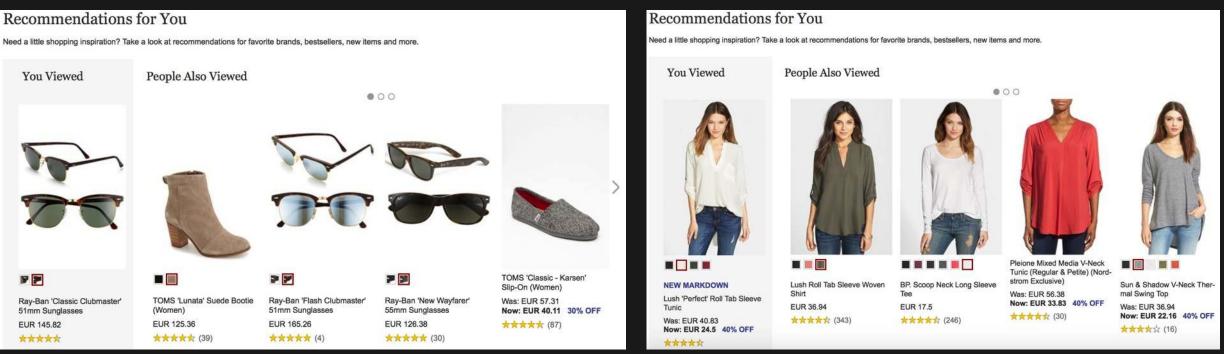


#### Case study: Nordstrom

https://aws.amazon.com/fr/solutions/case-studies/nordstrom/



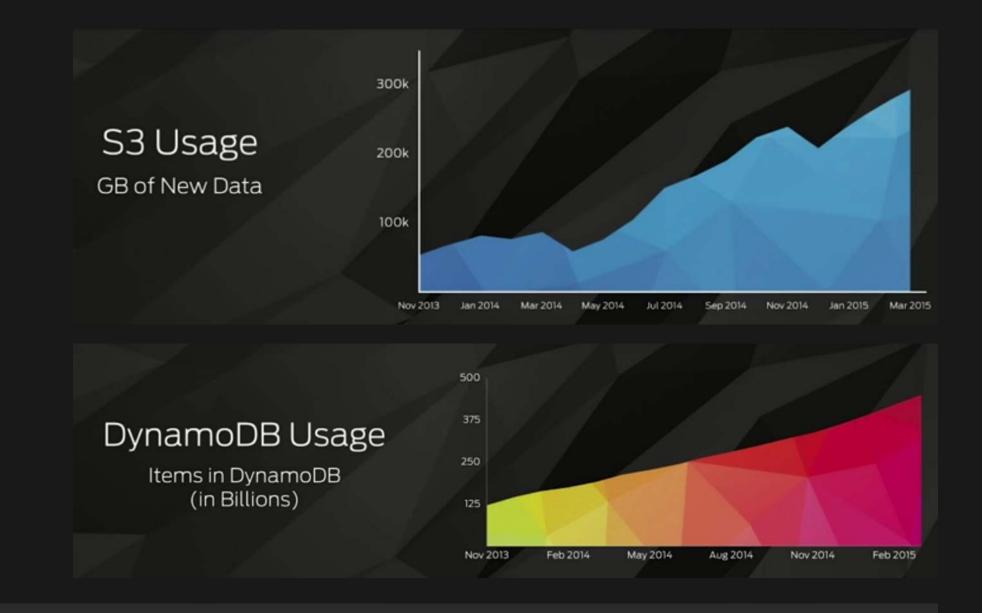
All-in on Amazon Web Services!

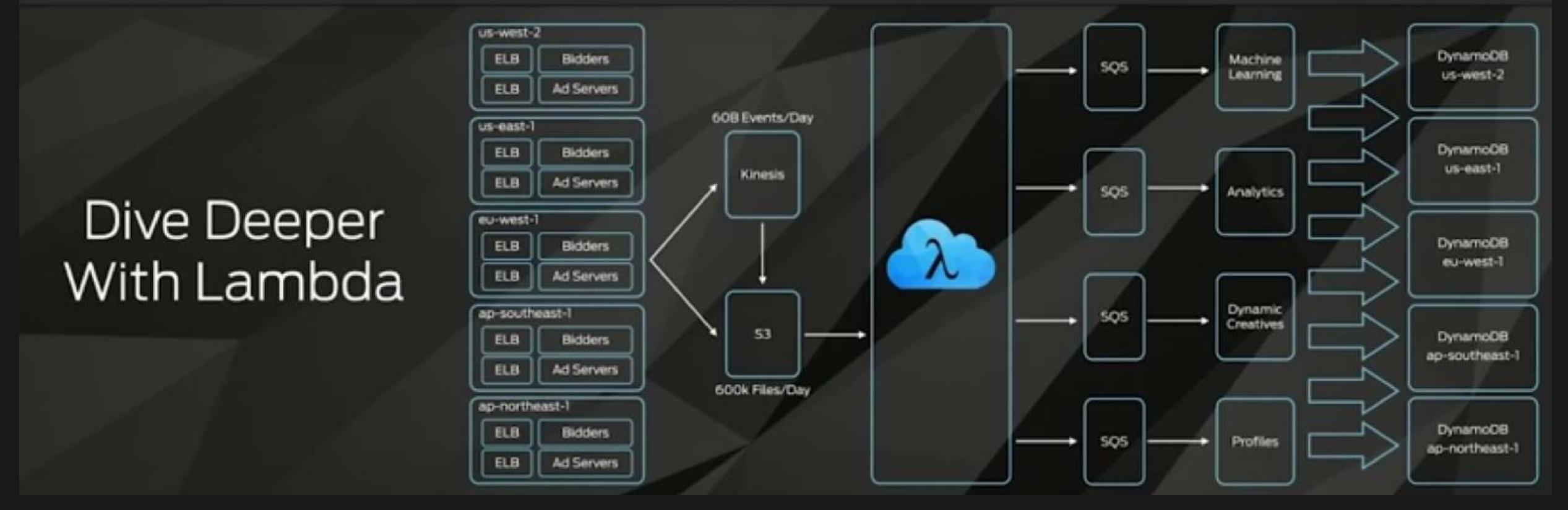


#### Case study: AdRoll

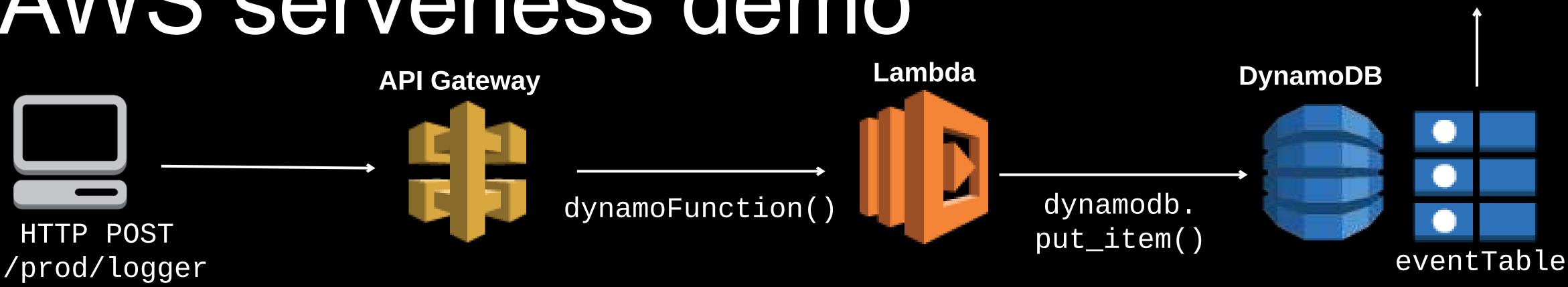
https://aws.amazon.com/fr/solutions/case-studies/adroll/https://aws.amazon.com/fr/dynamodb/adtech/

#### 50 billion ad impressions daily



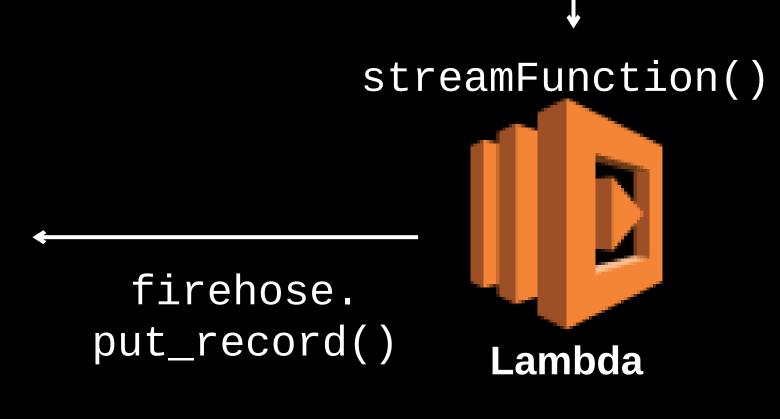


### AVVS serverless demo



Lines of code: 16 Number of servers: zero

Performance & scalability: maximum



Web apps

**DynamoDB** 

streams



#### Deployments at Amazon.com



11.6s

Mean time between deployments (weekday)

1,079

Max number of deployments in a single hour

10,000

Mean number of hosts simultaneously receiving a deployment

30,000

Max number of hosts simultaneously receiving a deployment

# With automated rollbacks

### Case study: Career Builder

https://aws.amazon.com/fr/solutions/case-studies/careerbuilder/

One of the largest online job sites in the US

24 million unique visitors monthly



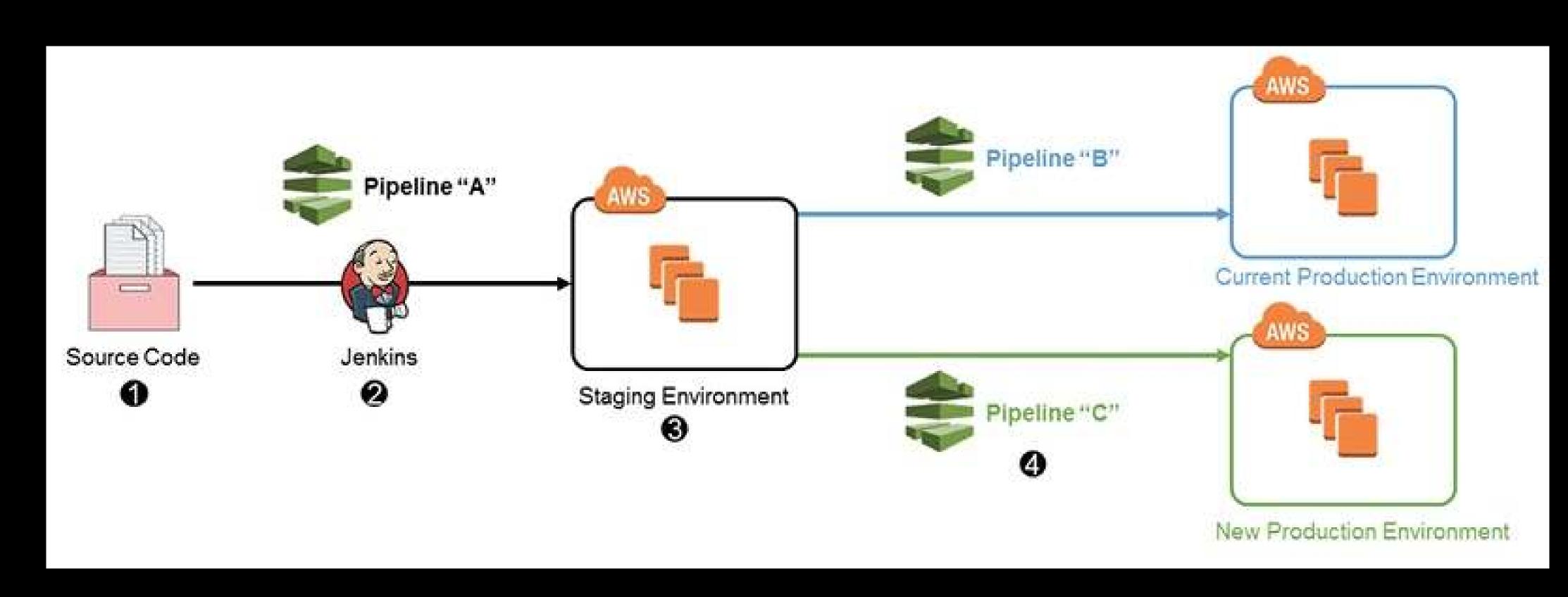


CodePipeline



CodeDeploy





#### AWS Code partners



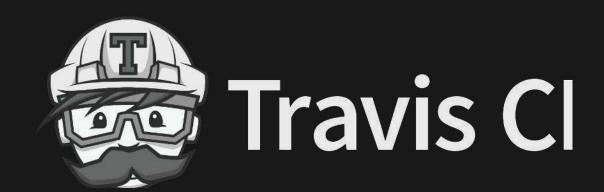
























XebiaLabs Deliver Faster







**4 Ghost Inspector** 

#### A Broad Set of Services to Secure your Applications



Move Fast

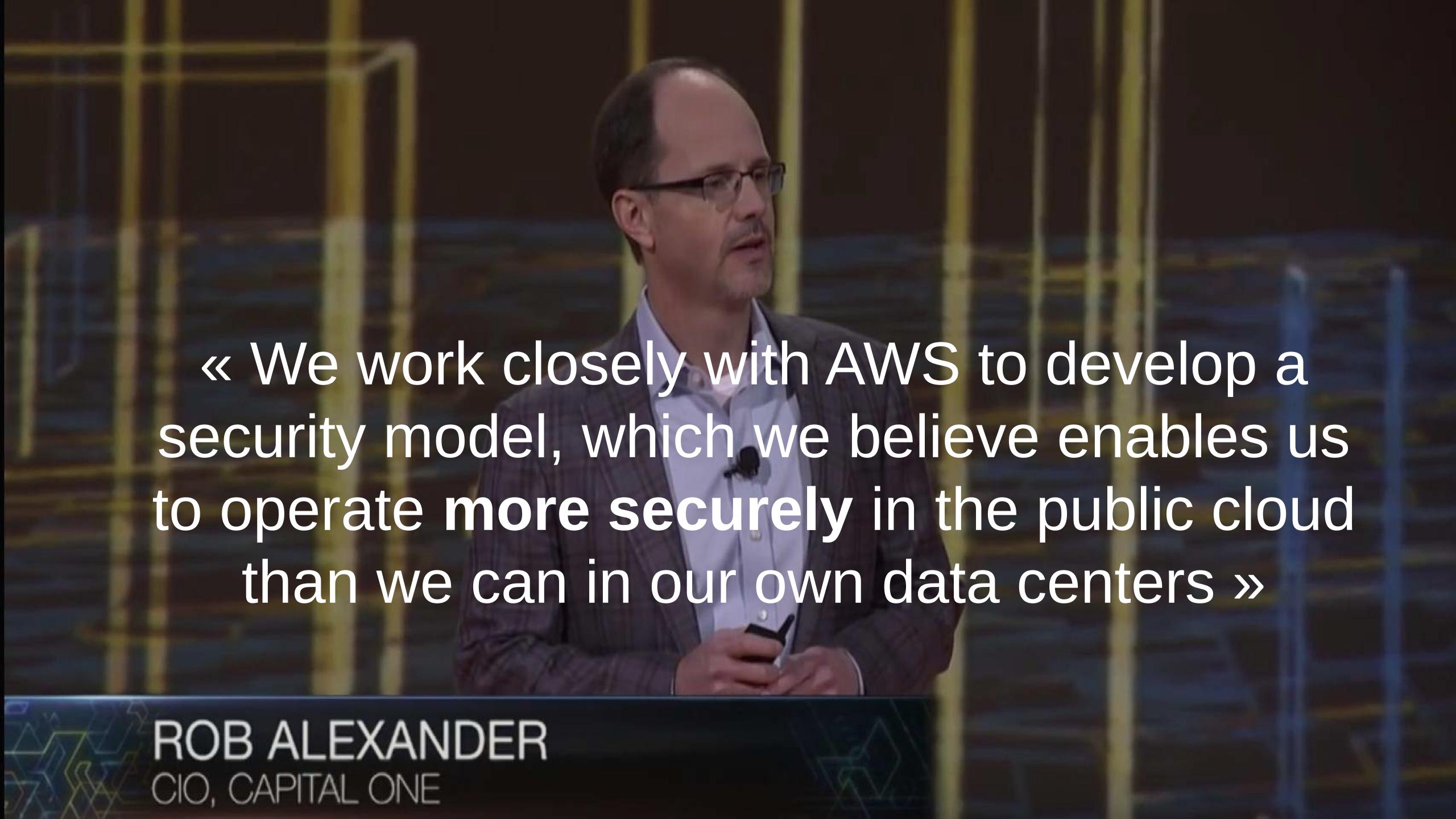


Stay Secure

Move Fast

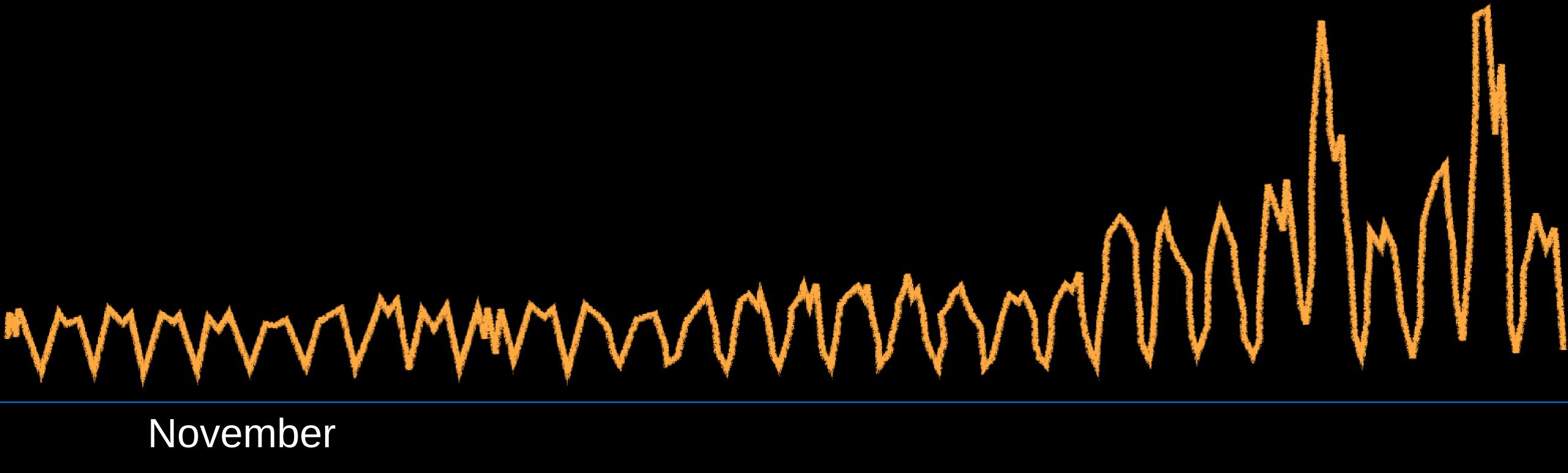


Stay Secure



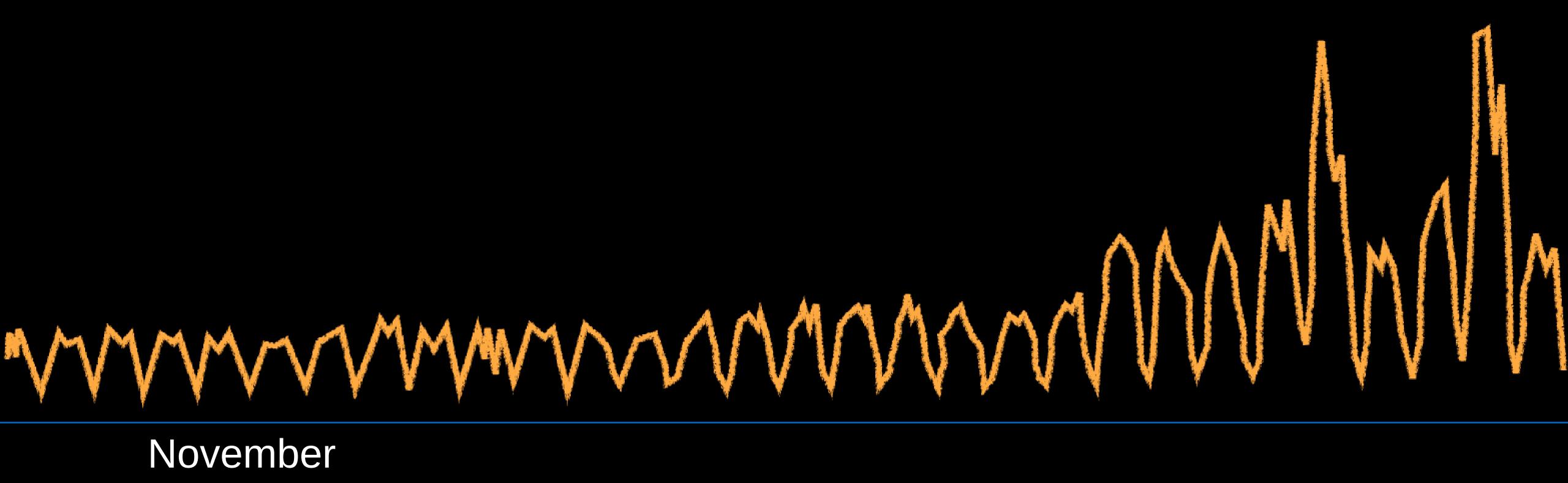
# Freedom to grow



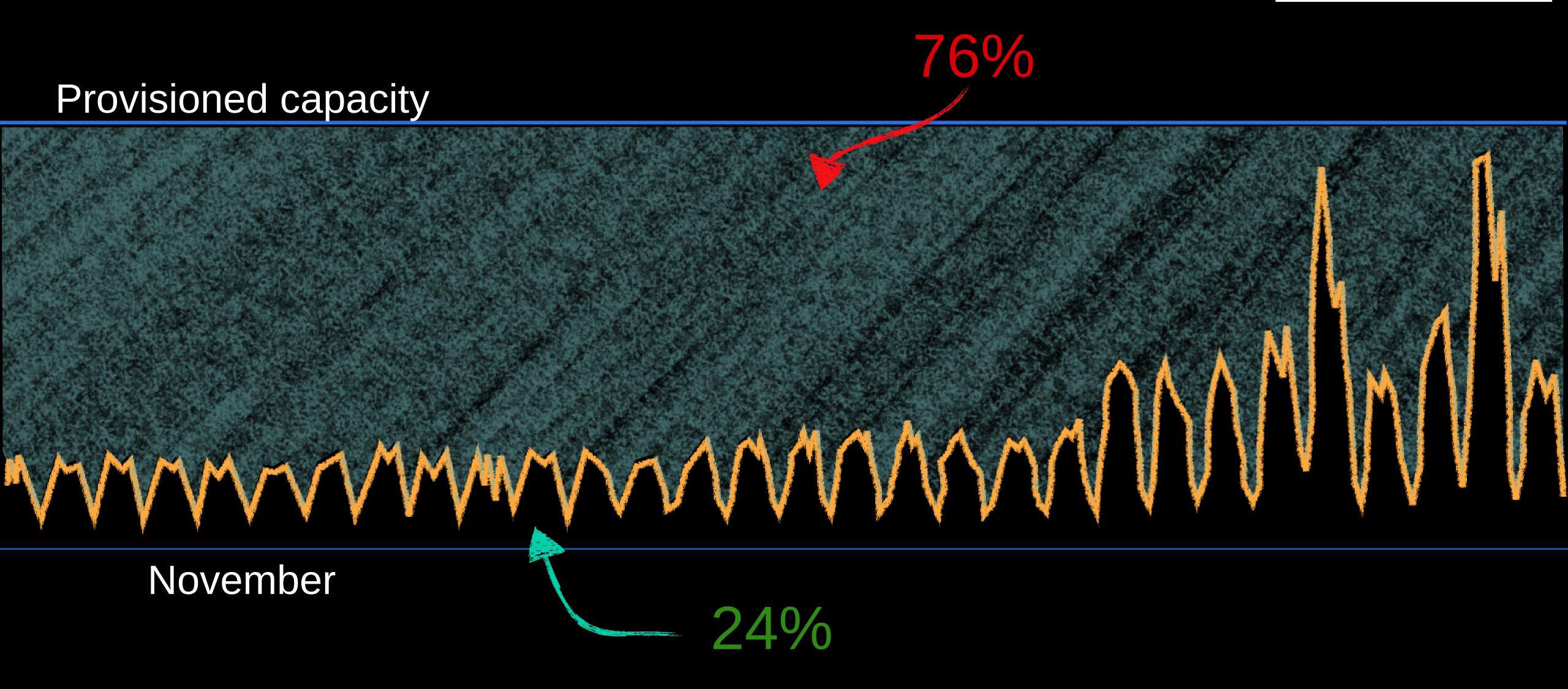




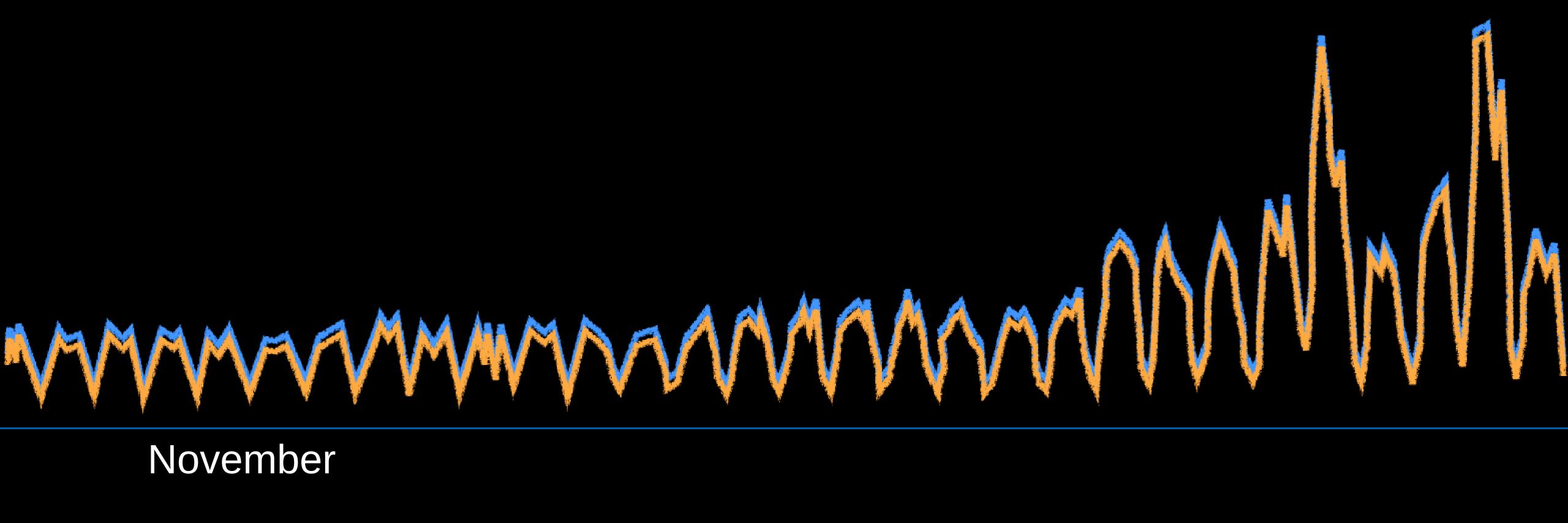
#### Provisioned capacity











#### Supercell: 100 million active users daily



Ilkka Paananen @ipaananen · 7 mars

Voir la traduction

100MILLION! Huge milestone for us, wanted to share some thoughts and a video: supr.cl/100m #welovetuvalu

Hi Everyone,

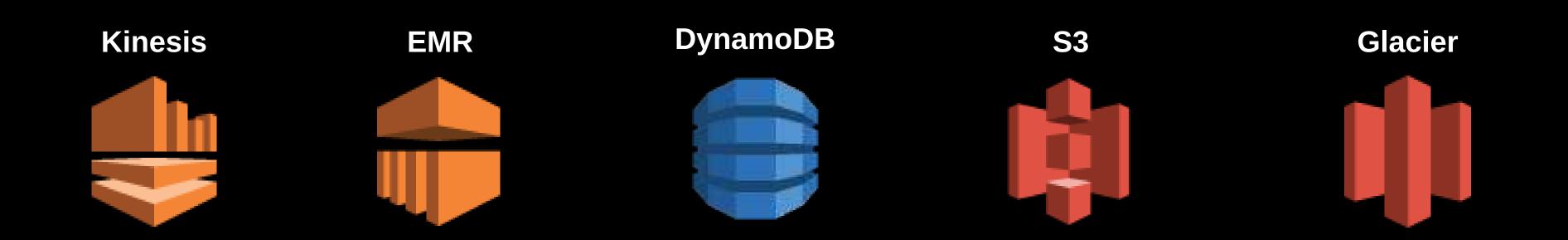
Today we've announced a major milestone in Supercell's history: 100m daily active players!

100 million! It blows my mind to think of that many people playing our games all around the world, every single day. I want to thank every single one of them: from Albania to Zimbabwe and everywhere else in between. Wish we had someone from Tuvalu! :-)

#### Case study: Supercell

https://aws.amazon.com/fr/solutions/case-studies/supercell/

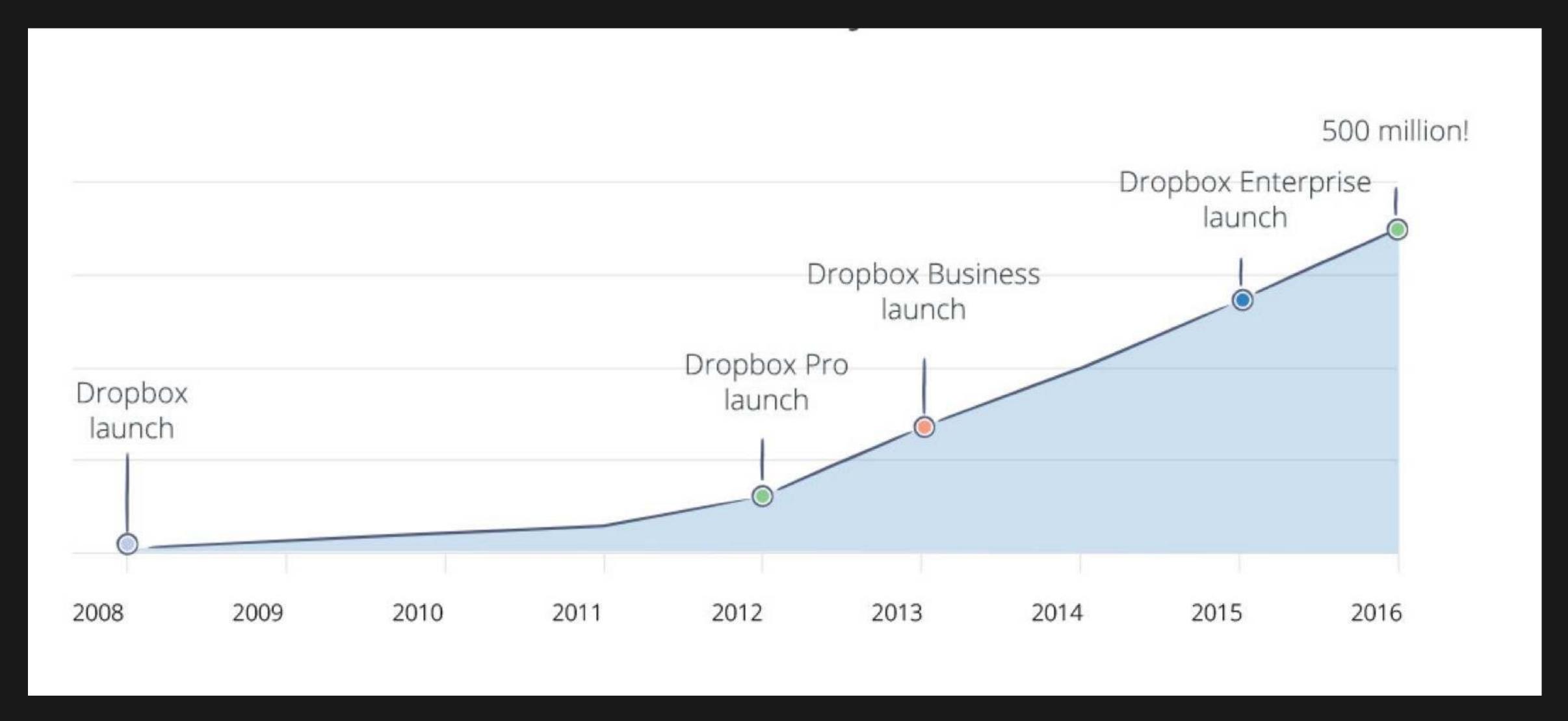
45 billion real-time events and 10 TB of data every day



"We don't have to worry about being able to manage our infrastructure to match our growth — AWS tools make it easy for us."

Sami Yliharju, Services Lead

#### Dropbox: 500 million users



https://blogs.dropbox.com/dropbox/2016/03/500-million/

"AWS is the easy answer for any Internet business that wants to scale to the next level"

Nathan Blecharczyk, Co-founder & CTO of Airbnb

# Freedom to Control Your Own Destiny



http://www.ebay.fr/itm/-/262328428090

### AWS User Groups

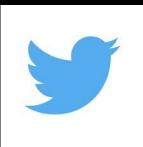


Lille
Paris
Rennes
Nantes

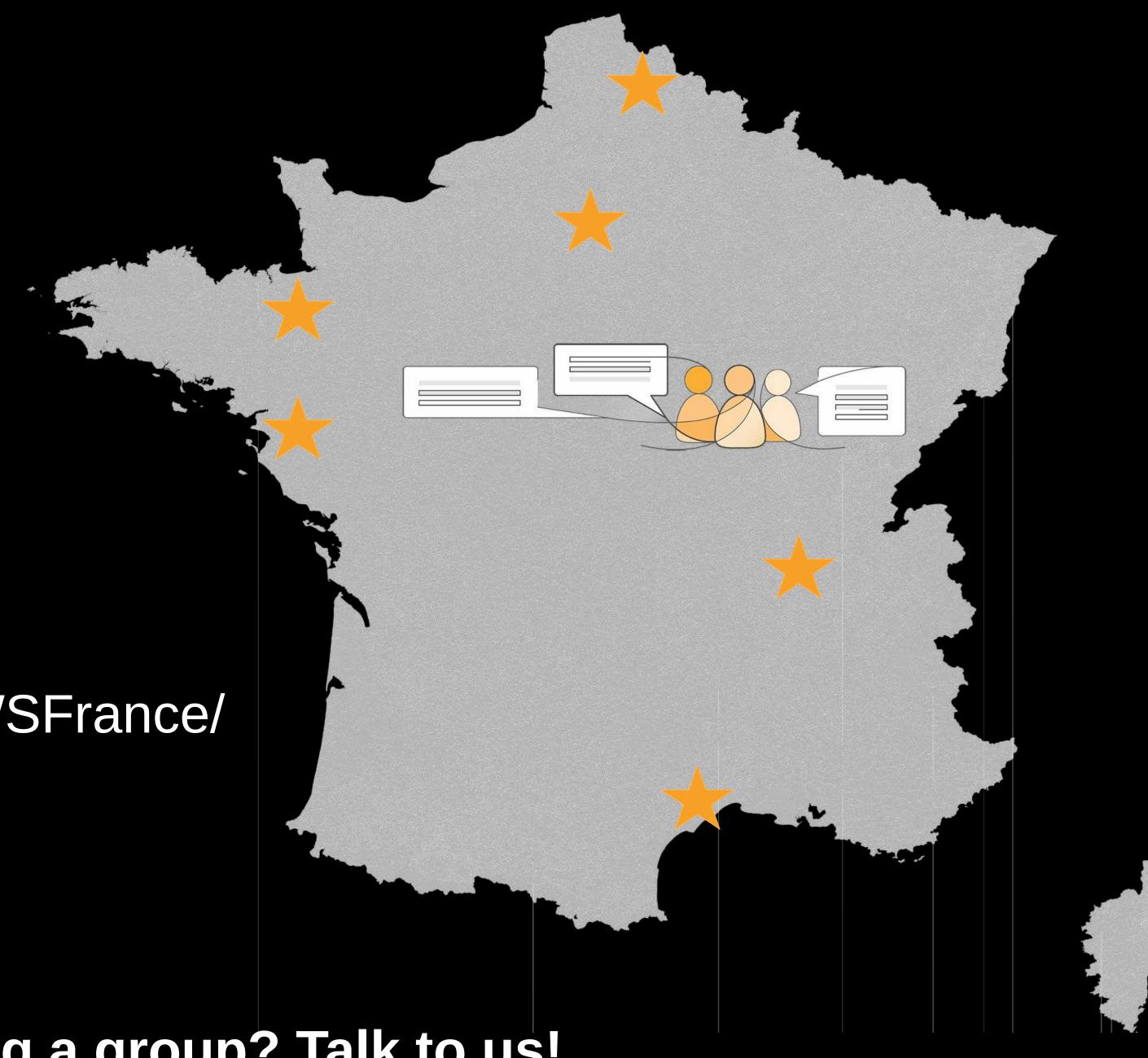
Lyon Montpellier



facebook.com/groups/AWSFrance/



@aws\_actus

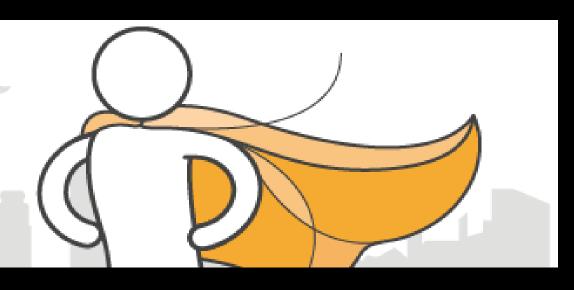


Interested in starting a group? Talk to us!

### Save the date: AWS Paris Summit, 31/05/2016



### AWSome Day



March 16, June 28, September 27, December 6





April 20-22



April 25



# Thank you!

... and keep rockin'! ©