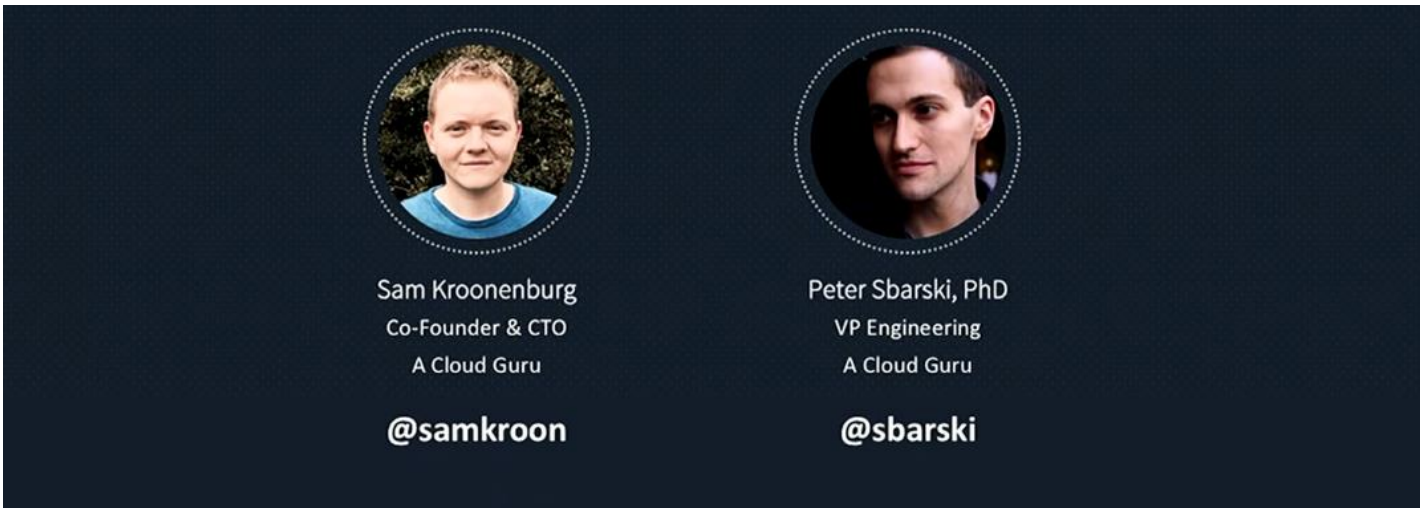
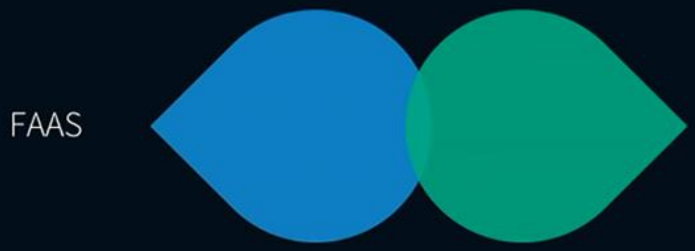
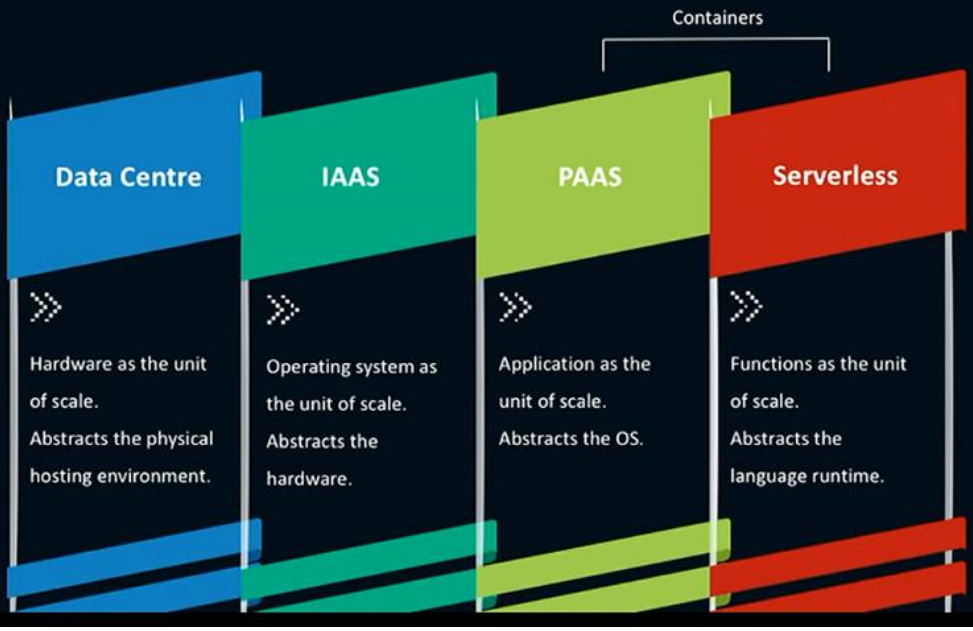
ACloudGuru is our serverless on-demand video streaming platform built entirely on AWS.



Serverless Compute Technologies



A Brief History of Cloud



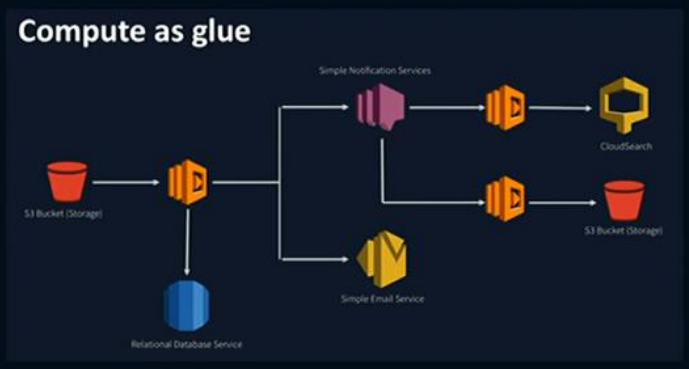
AWS Lambda

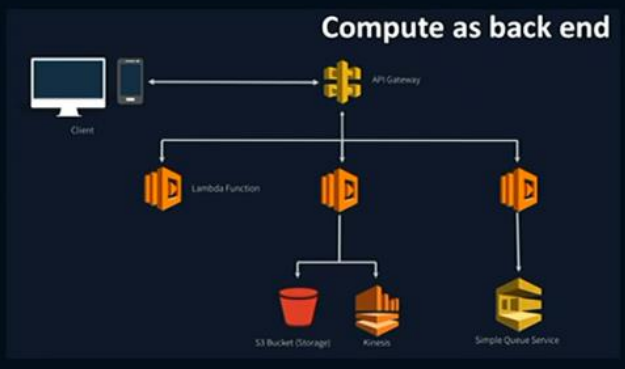
Lambda is to compute, what S3 is to storage.

Is it really serverless?

- Vendor takes care of provisioning and management of servers.
- Vendor is responsible for capacity provisioning and automated scaling.
- Moving away from servers and infrastructure concerns should be your goal.

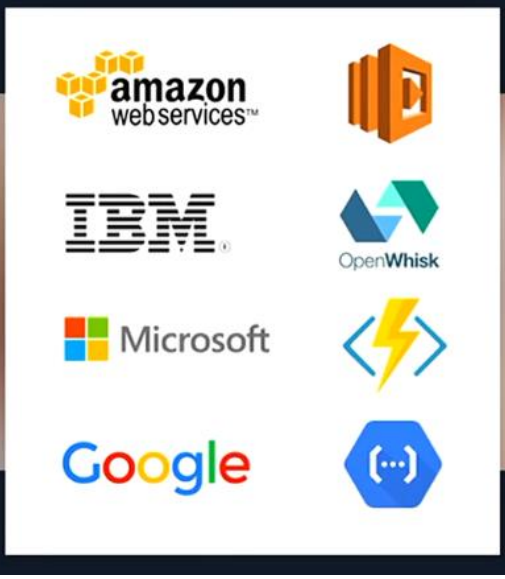
Serverless Architectures



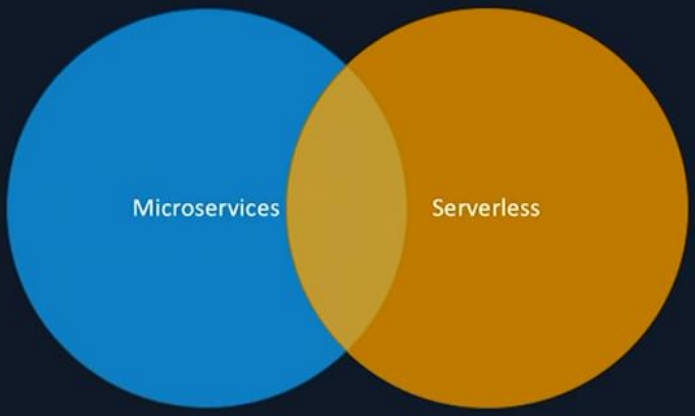


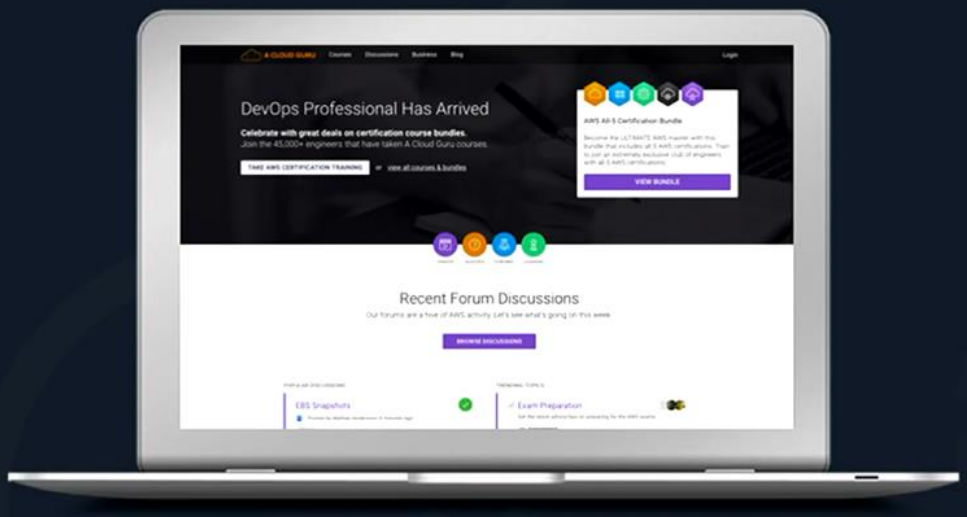
Serverless is blowing up right now

10



Did someone say microservices?





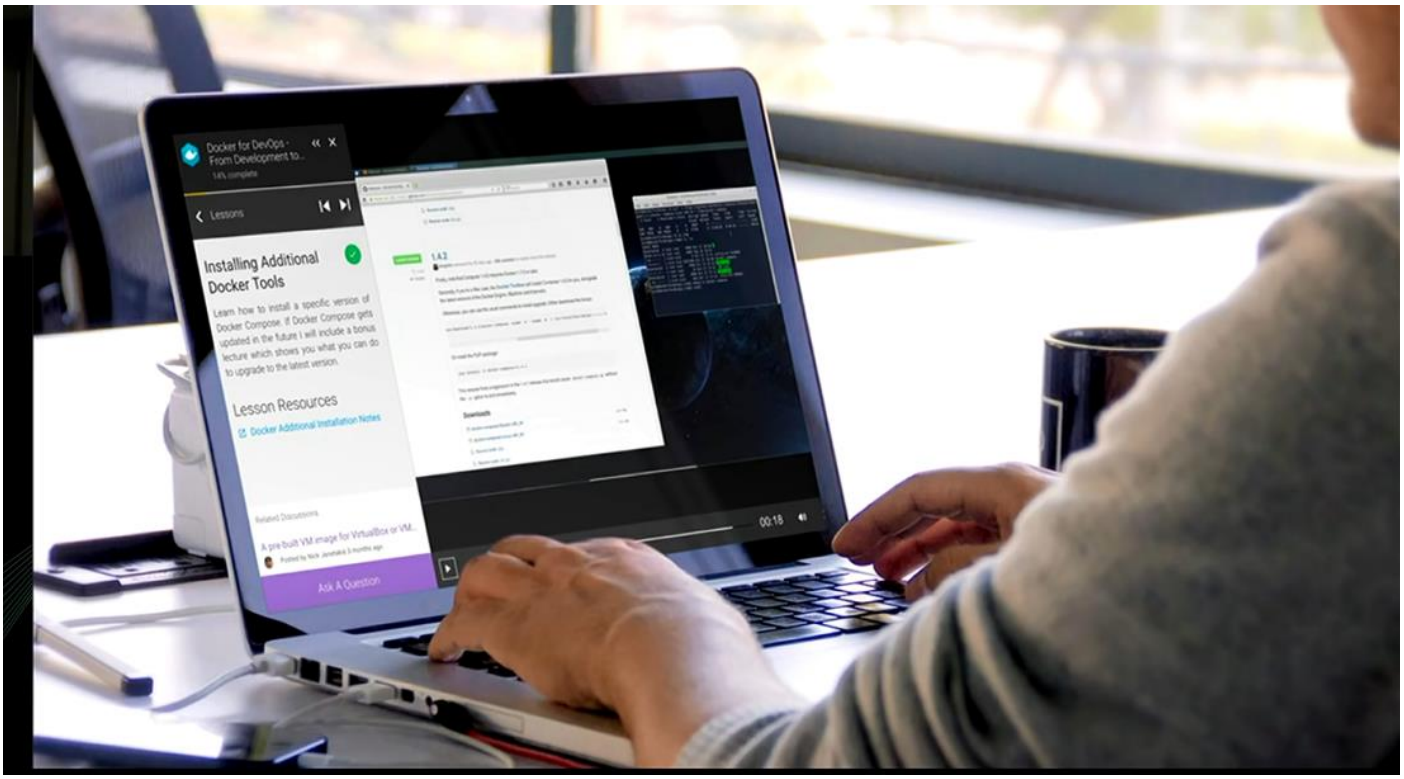
@samkroon

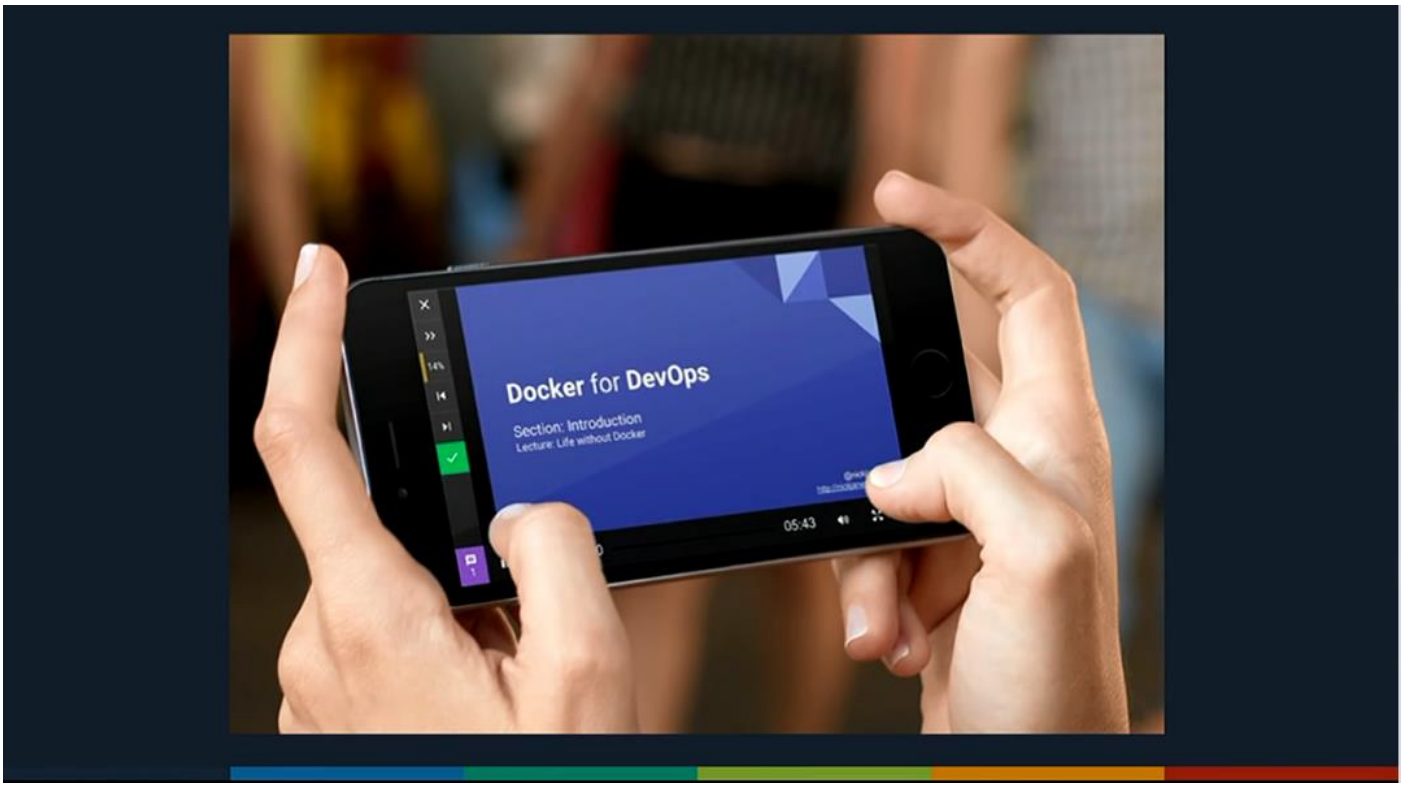
60,000+ engineers

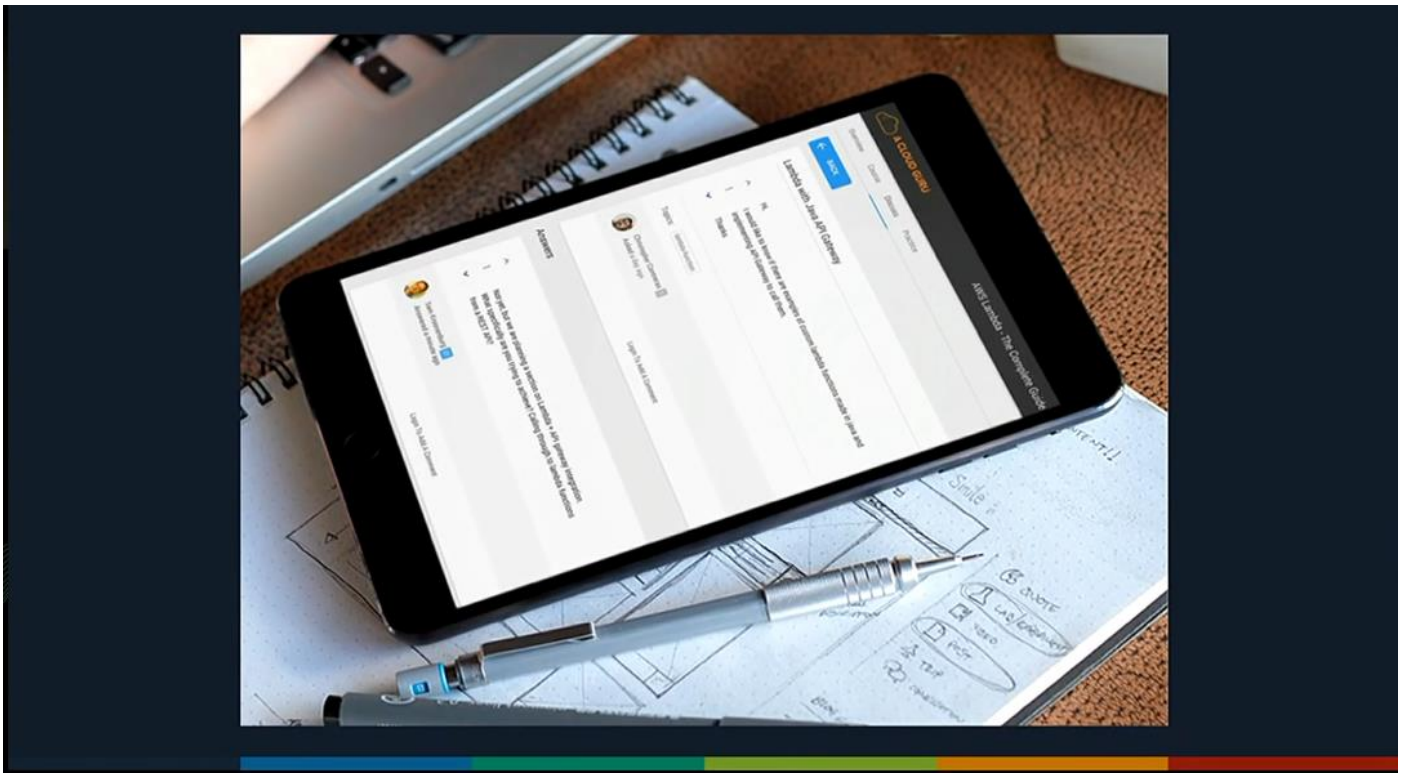
Across 120 countries

@samkroon

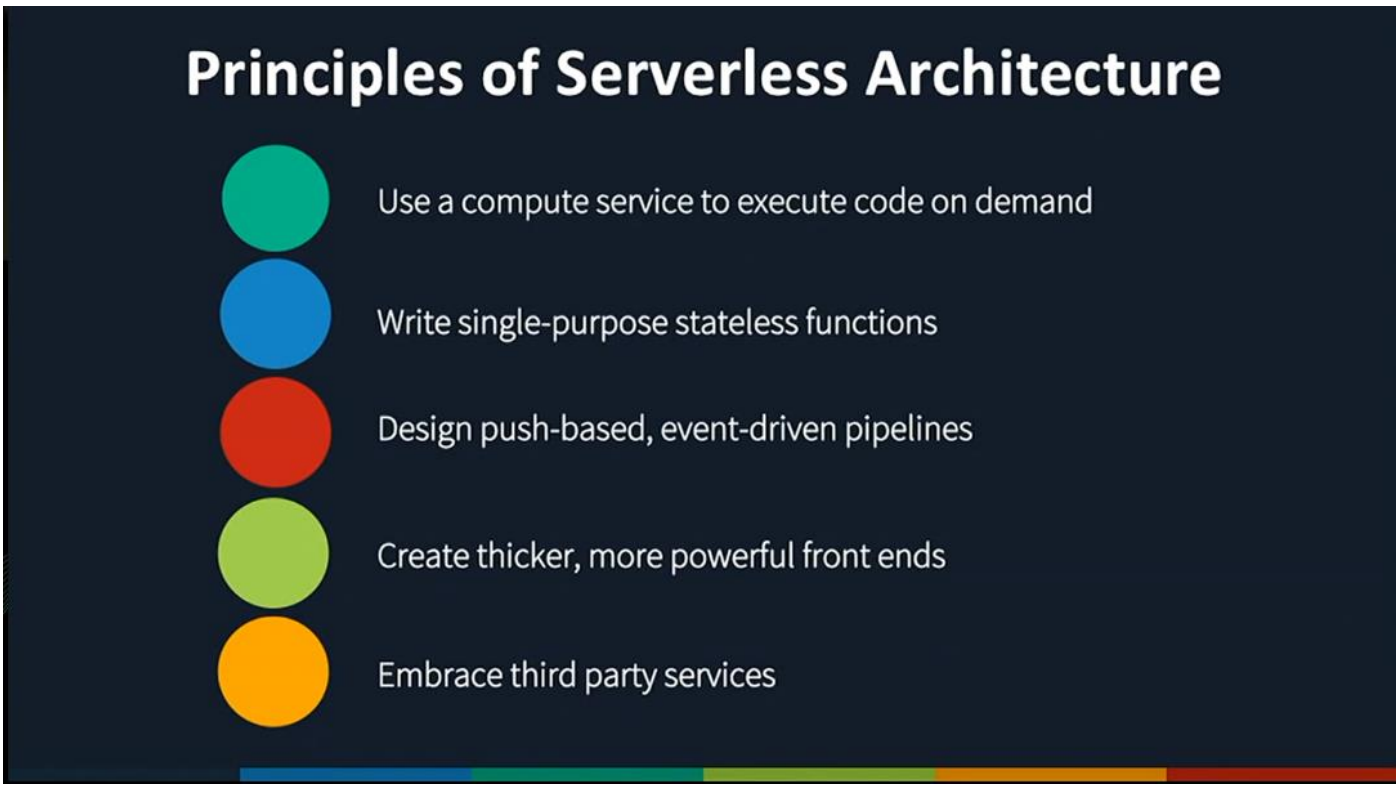
And we don't run a single server.





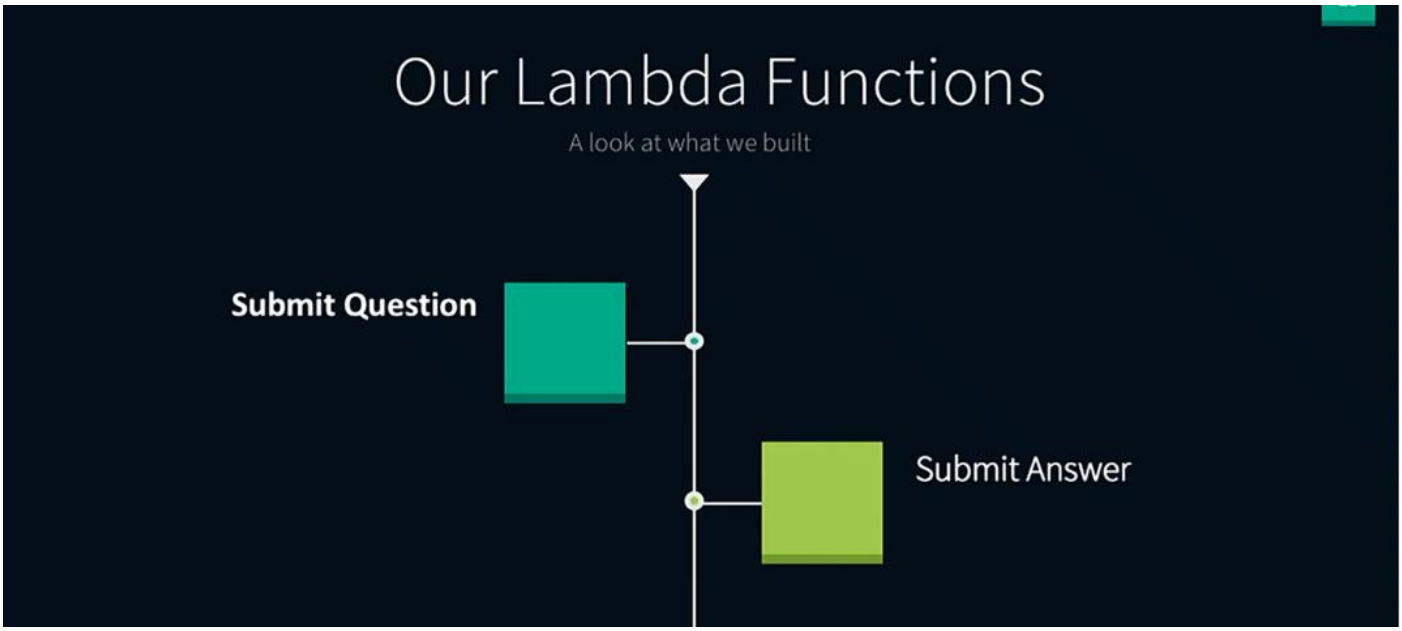


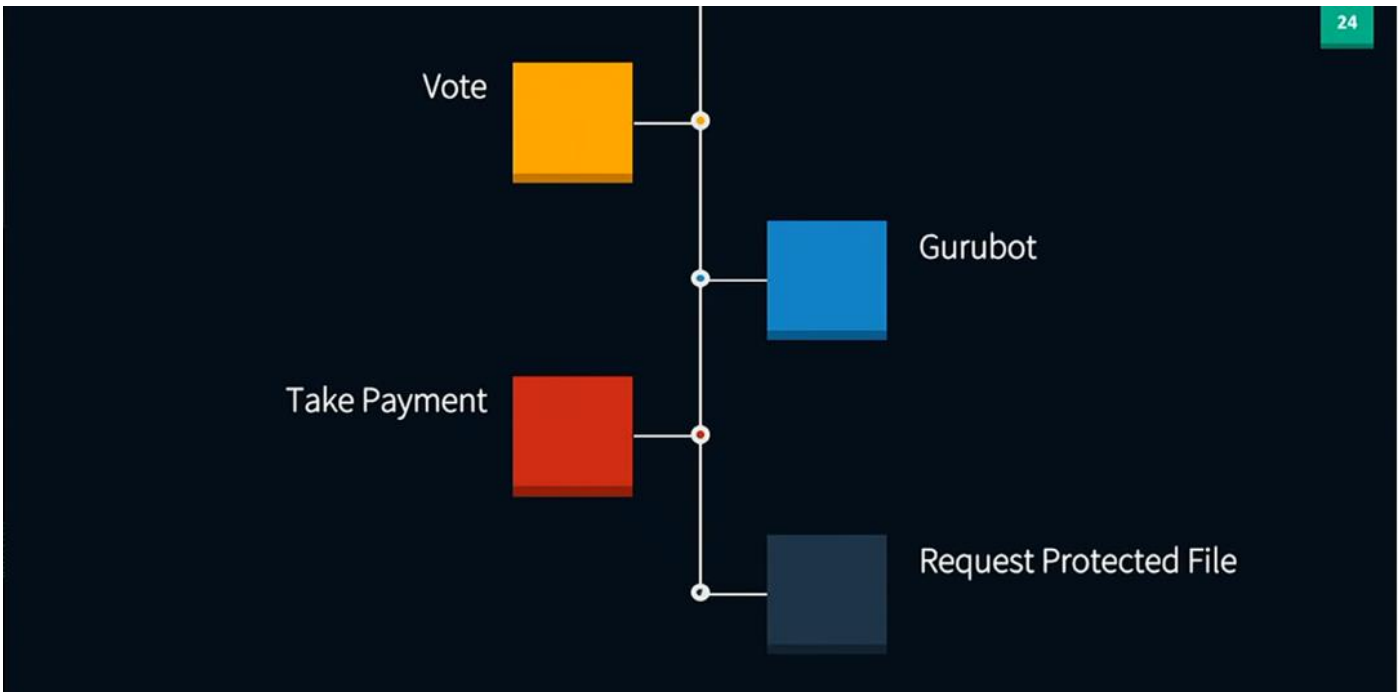
Discussion forums



1. Use a compute service to execute code on demand (aka don't run a server).

2. Write single-purpose stateless functions



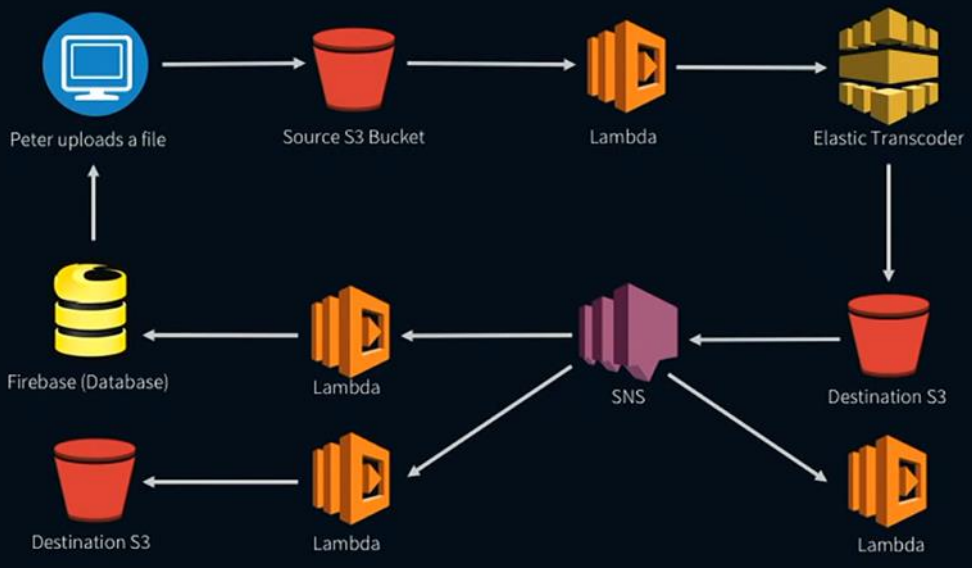


3. Design push-based, event-driven pipelines

Forum Comment

Comment is free

Encoding Media



4. Create thicker, more powerful front ends

01 User Interface

02 Client Side Model Binding

03 Client Side Service Layer

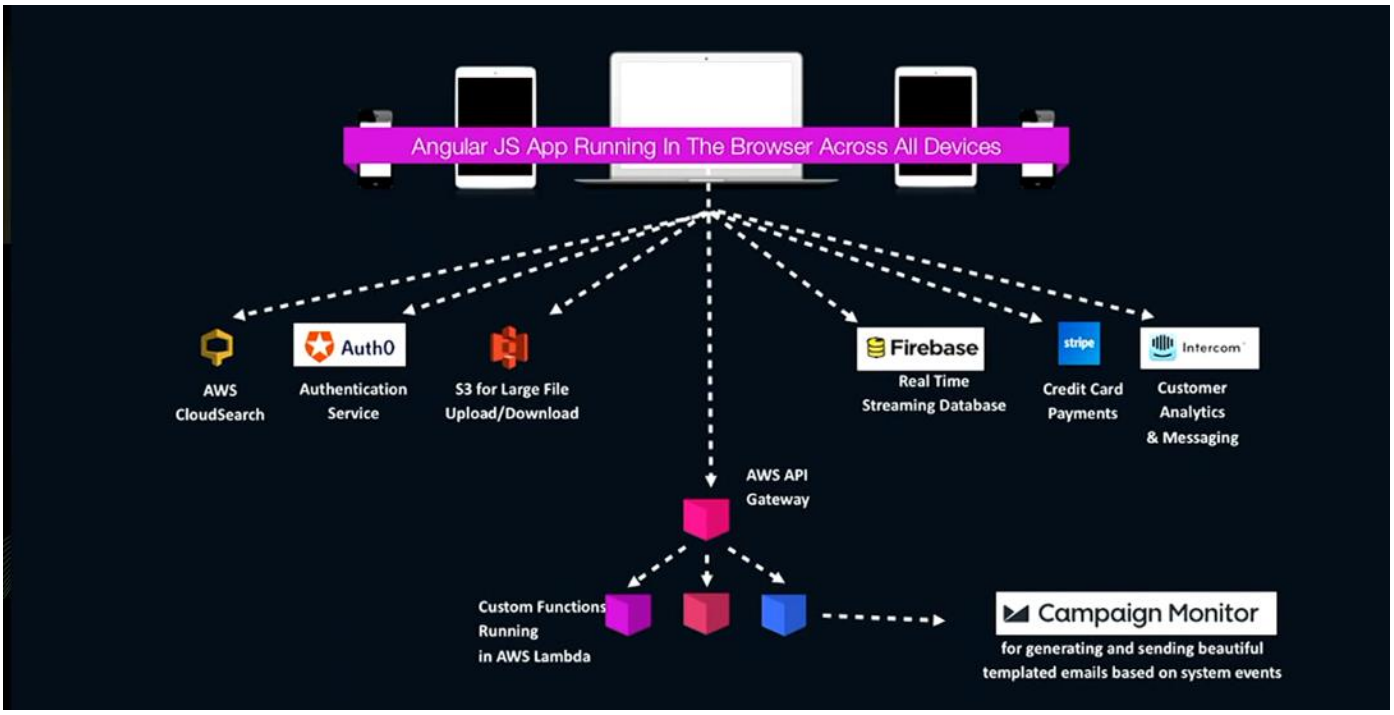
04 Server Side Service Layer

05 Server Side Model Binding

06 Server Side DB Mapping

07 Database Storage

@samkroon

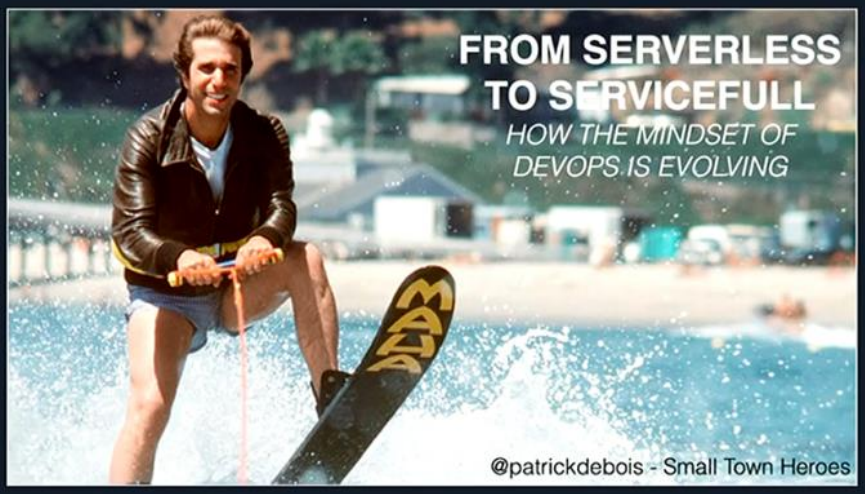


5. Use third party services

Reasons Not To Go Serverless

- Performance
- Service levels and customization
- Vendor lock-in
- Decentralization

From Serverless to Servicefull
Patrick Debois



"Backend" services

amazon web services S3

amazon web services ROUTE 53

PUSHER

imgIX

ELB

Amazon DynamoDB

fastly

amazon web services SES

SQS

redis

"IT support" services

DATADOG

GitHub

circleci

Our "**Office**" services

"Frontend" services

"Mobile" services

crashlytics

amazon web services Device Farm

Amazon Mobile Analytics

Google play

fabric

SNS/Push

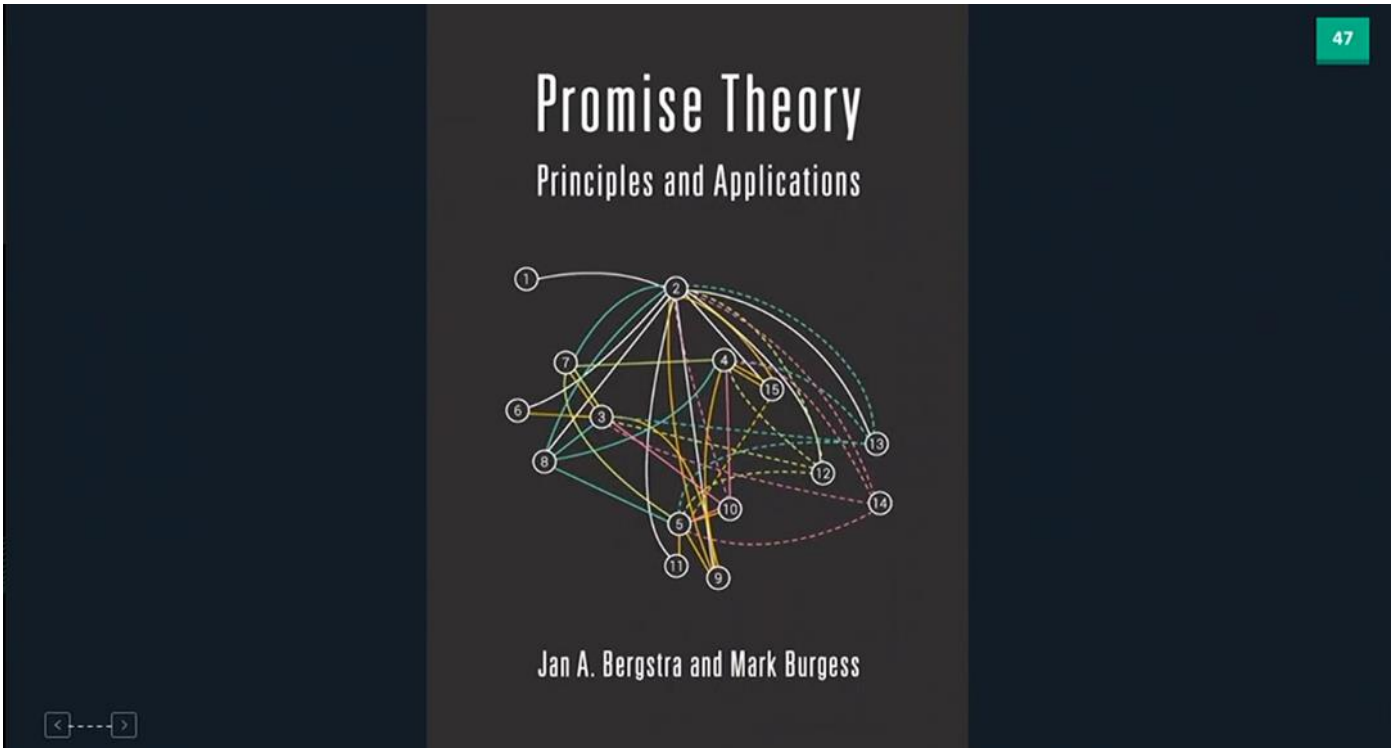
Cognito

App Annie

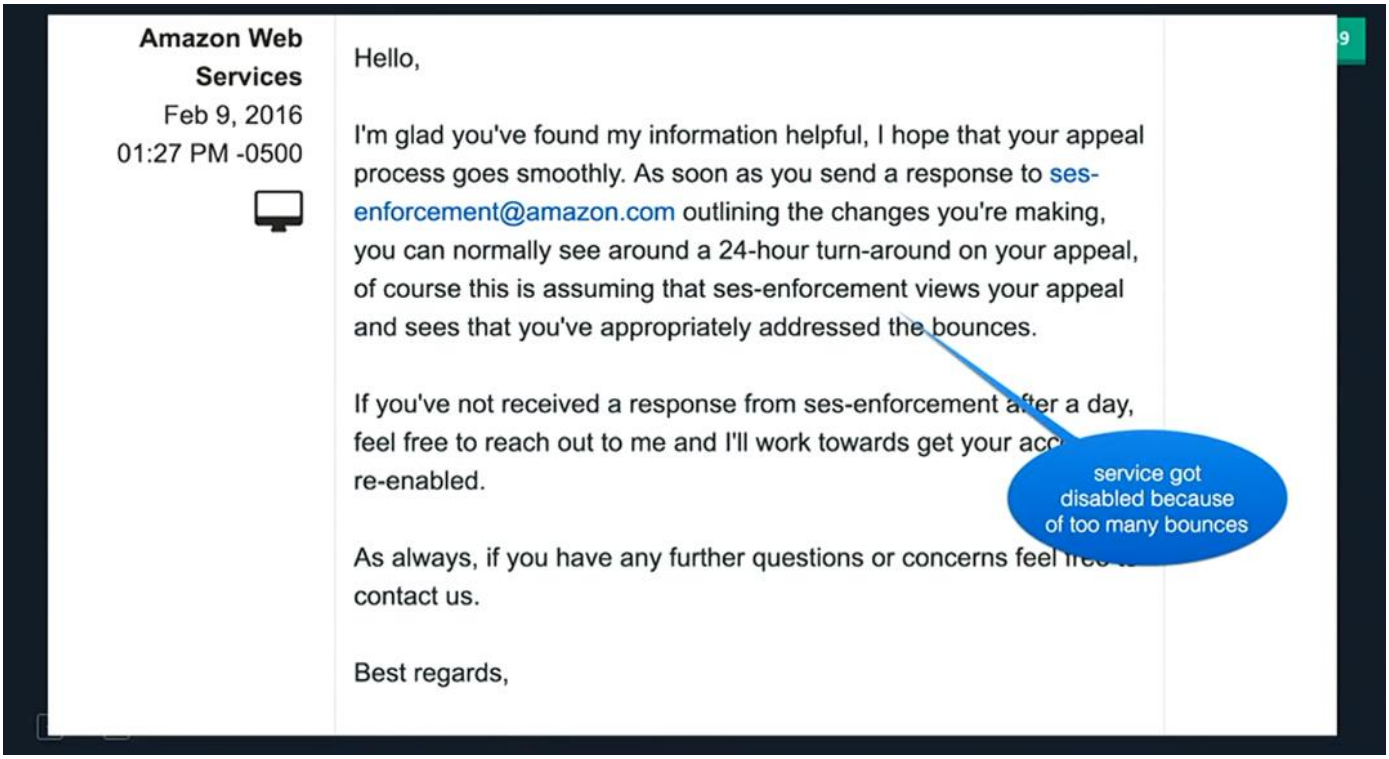
New Relic.

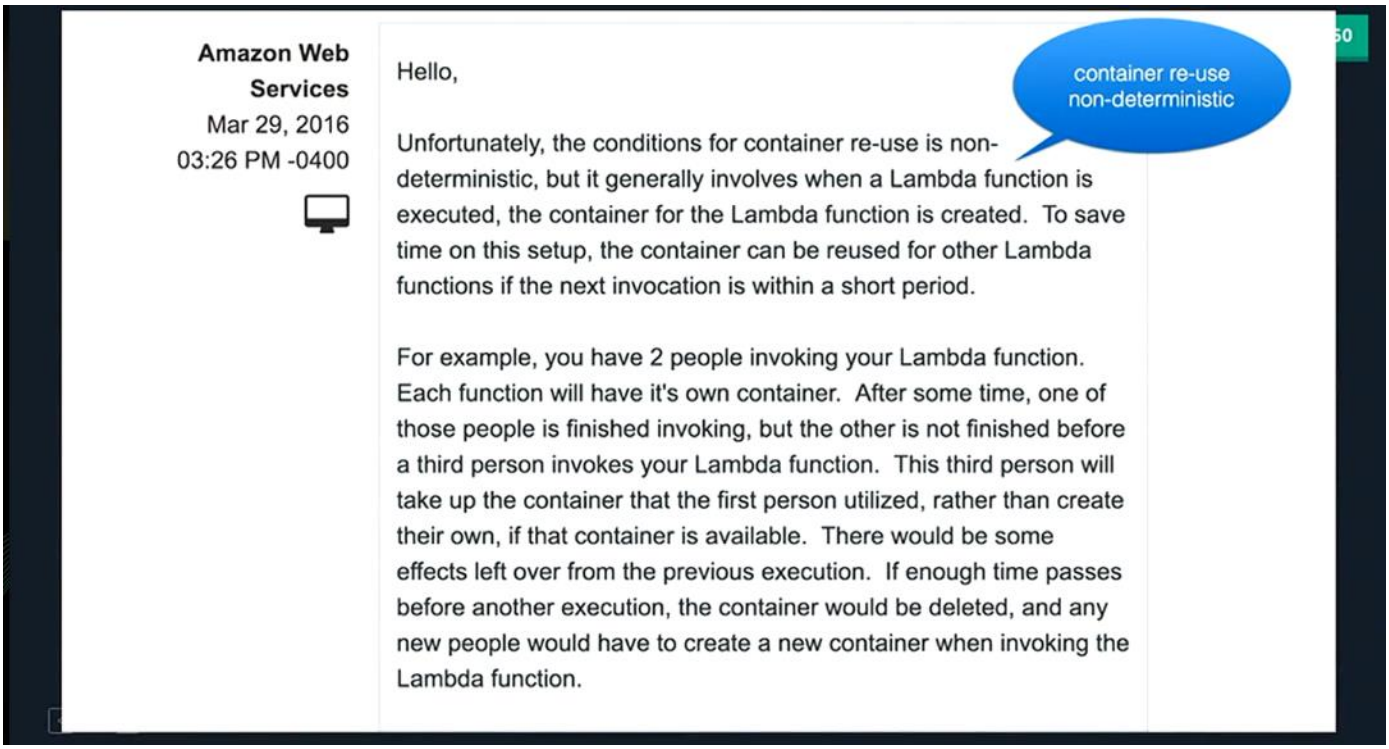
comScore.

Google Analytics




Jonathan Clarke
@jooooooon42
Following
GitHub's broken. Everyone take the afternoon off.
LIKE
1
5:27 PM - 23 May 2016
Reply to @jooooooon42


Amazon Web Services
Feb 9, 2016
01:27 PM -0500
Hello,
I'm glad you've found my information helpful, I hope that your appeal process goes smoothly. As soon as you send a response to ses-enforcement@amazon.com outlining the changes you're making, you can normally see around a 24-hour turn-around on your appeal, of course this is assuming that ses-enforcement views your appeal and sees that you've appropriately addressed the bounces.
If you've not received a response from ses-enforcement after a day, feel free to reach out to me and I'll work towards get your acc
re-enabled.
service got disabled because of too many bounces
As always, if you have any further questions or concerns feel
contact us.
Best regards,



"The **collaboration** between dev & ops is now **extended** to external 3rd parties"

Facts:

No one will ever care as much about your product and your problems as much as you do.

No one else is thinking holistically about your systems and their interdependencies.

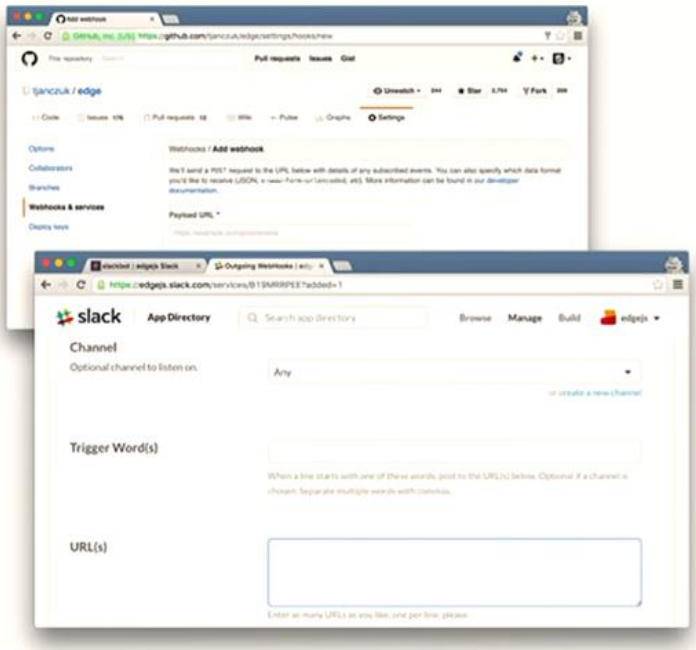
Labor can be outsourced.
Caring can't.

Webtaskalifragilisticex Tomasz Janczuk

Webtaskalifragilisticexpialidocious

Tomasz Janczuk (@tjanczuk)
Auth0

Webhooks offer ultimate flexibility for SaaS extensibility



Auth0

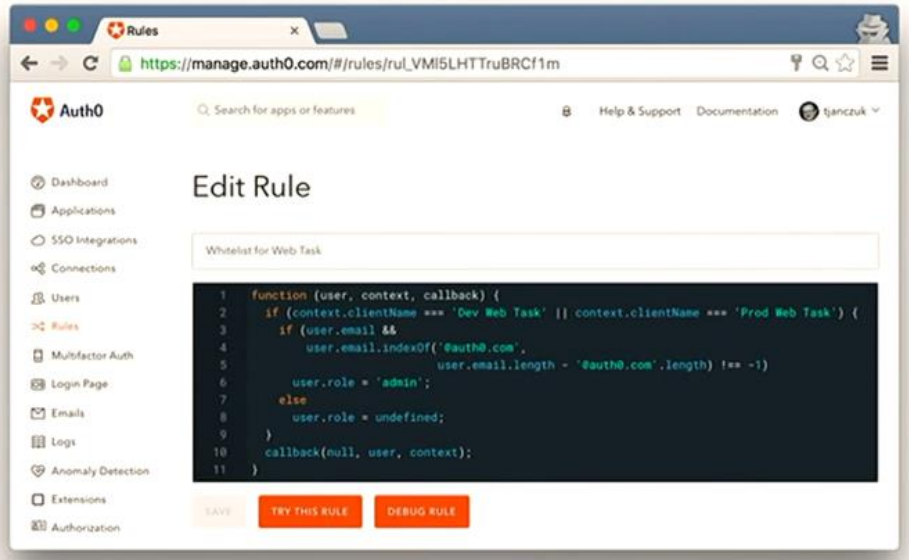
Webhooks are so 2015...

- Mostly async
- Servers
- Maintenance
- Scaling
- Monitoring
- Separate billing
- SSL
- Toil, grief, and tears

Auth0

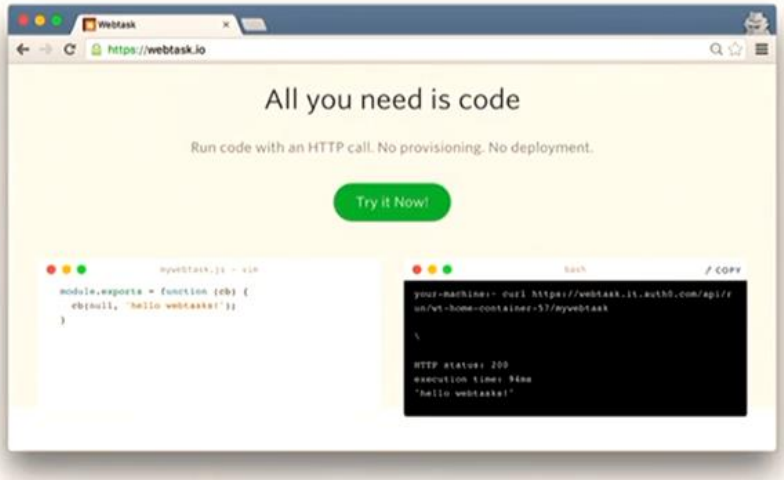
Webtask is a webhook with server included

Serverless webhook



Webtask design priorities

- Isolation
- HTTP fidelity
- Node.js
- Low latency
- Cloud and on-premise
- Scalability
- Developer love



Server Optional Development
Mike McDonald & Frank van Puffelen

66

Google

Server Optional Development

Lessons learned while building Firebase


Mike McDonald
@asciimike


Frank van Puffelen
@puf

IBM Bluemix OpenWhisk
Michael Behrendt & Dr. Andreas Nauerz

69

Usage Scenarios

- Microservices-based apps / APIs
- Mobile Backends
- Data (Stream) Processing
- IoT
- Cognitive
- Bots

How can you get started?

- **http://acloud.guru** - Have a course on lambda, and we'll post serverless meetup talks here.
- Follow **@acloudguru** for serverlessconf videos
- Book: "Serverless Architectures on AWS" **http://serverless.acloud.guru - 40% off code**

@samkroon