The Cloud Should Be Fun

(and if it’s not you’re probably doing it wrong)

Holly Cummins
IBM **Garage**

{codemotion}
Online Tech Conference
- Italian edition -

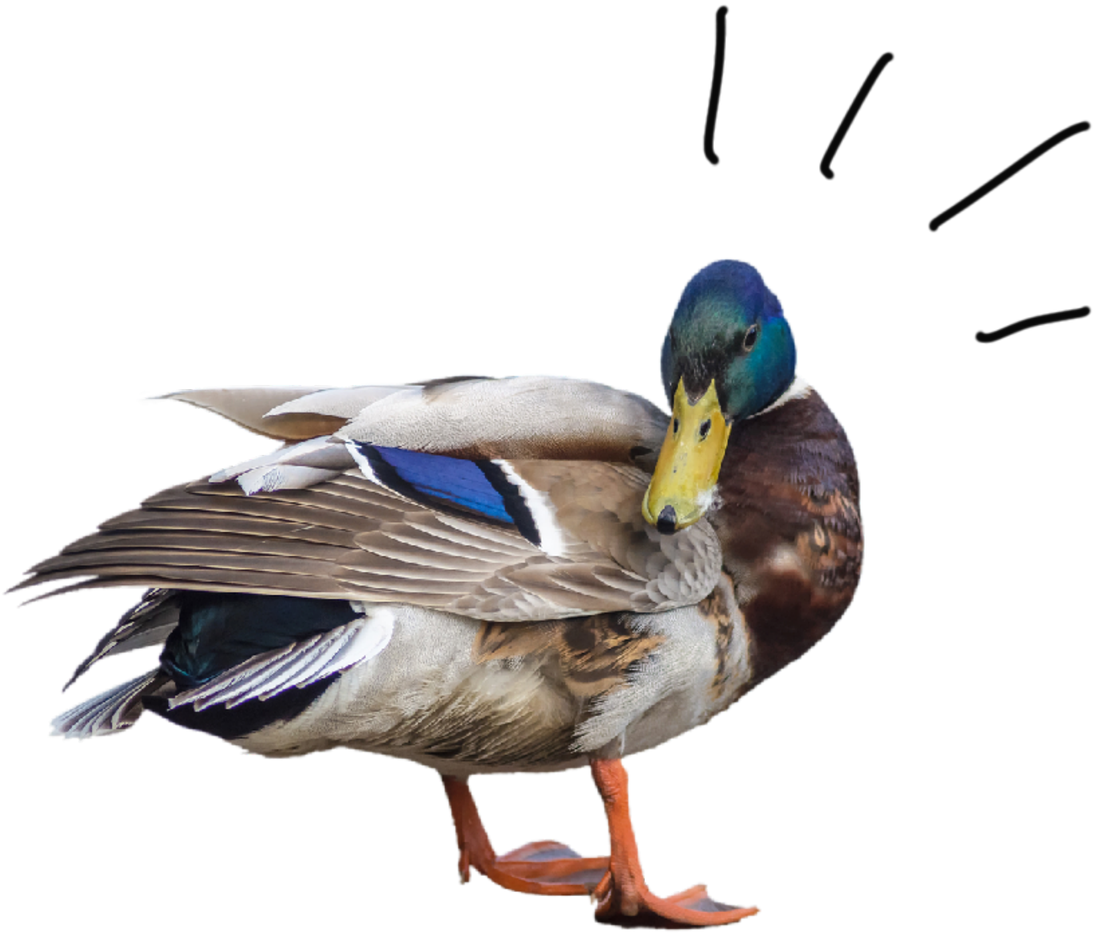
24-25-26 Novembre, 2020

what is fun?

partying?

silly pictures?

jokes?



(ducks make jokes funnier)

all that, and ...

Exploration

 Photo by Linearahandmade@etsy

> Hello, World

Exploration

Puzzle

Photo by William Warby

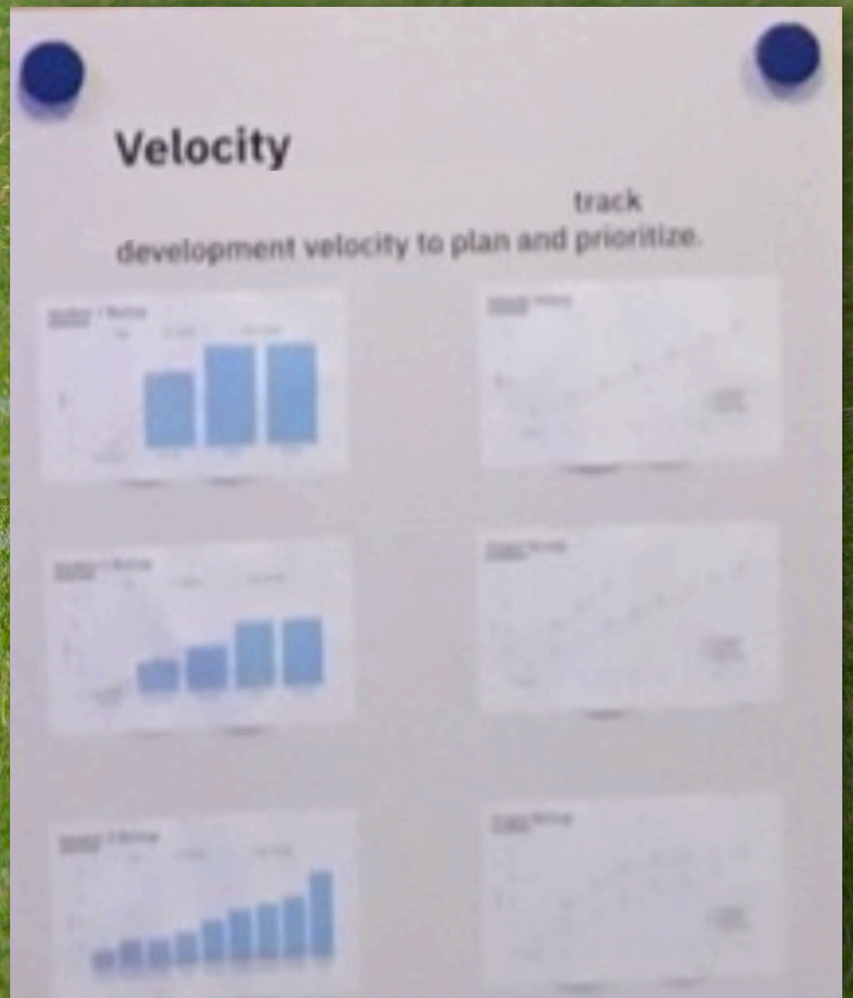
```
Exception in thread "main" java.lang.NullPointerException:
WhyWhyWhyIsThisHappeningNullPointerException
at StackTraceExample.method111(StackTraceExample.java:15)
at StackTraceExample.method11(StackTraceExample.java:11)
at StackTraceExample.method1(StackTraceExample.java:7)
at StackTraceExample.main(StackTraceExample.java:3)
```

Puzzle

Photo by William Warby

Games

Games

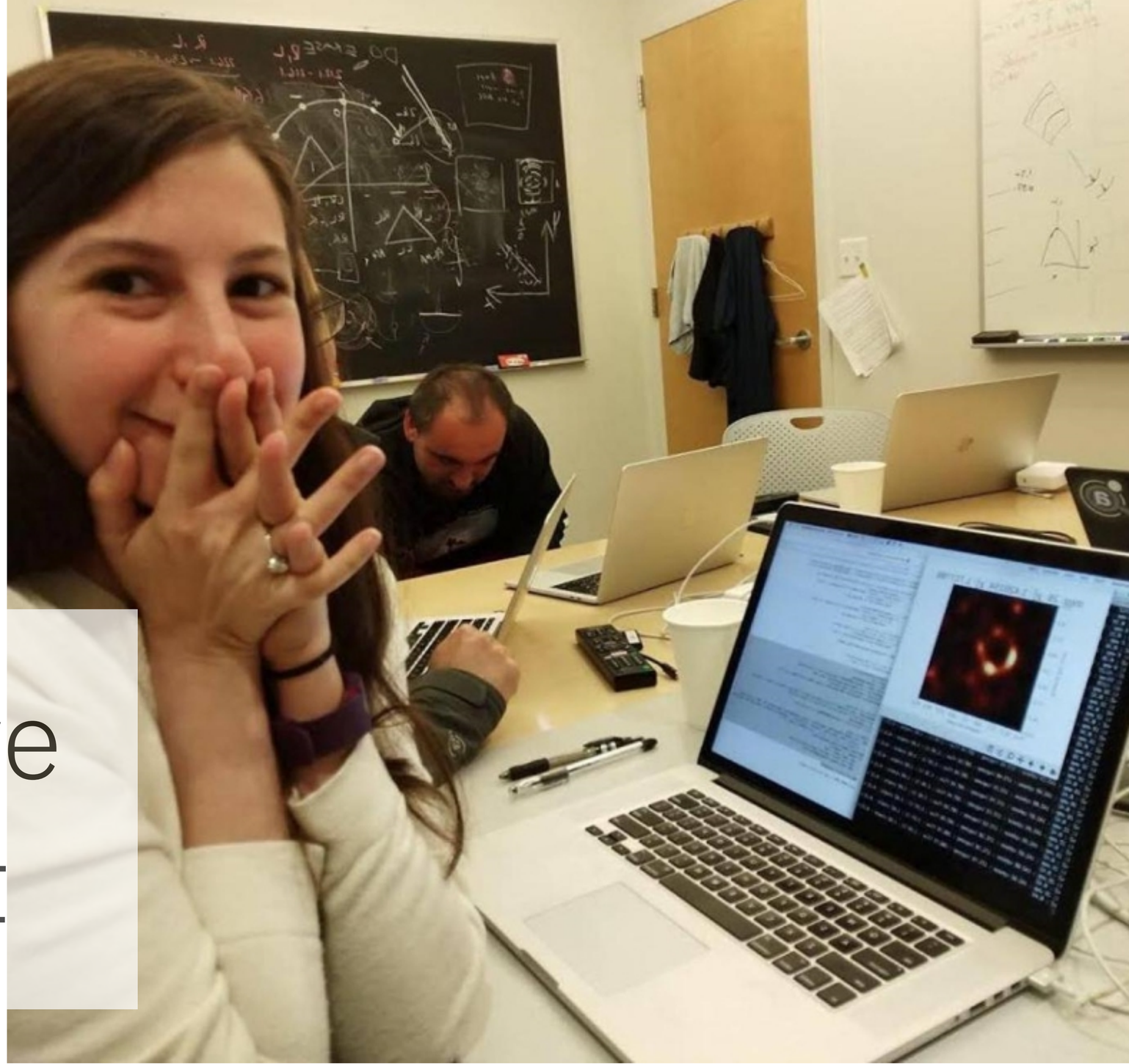

Velocity
track
development velocity to plan and prioritize.

Play

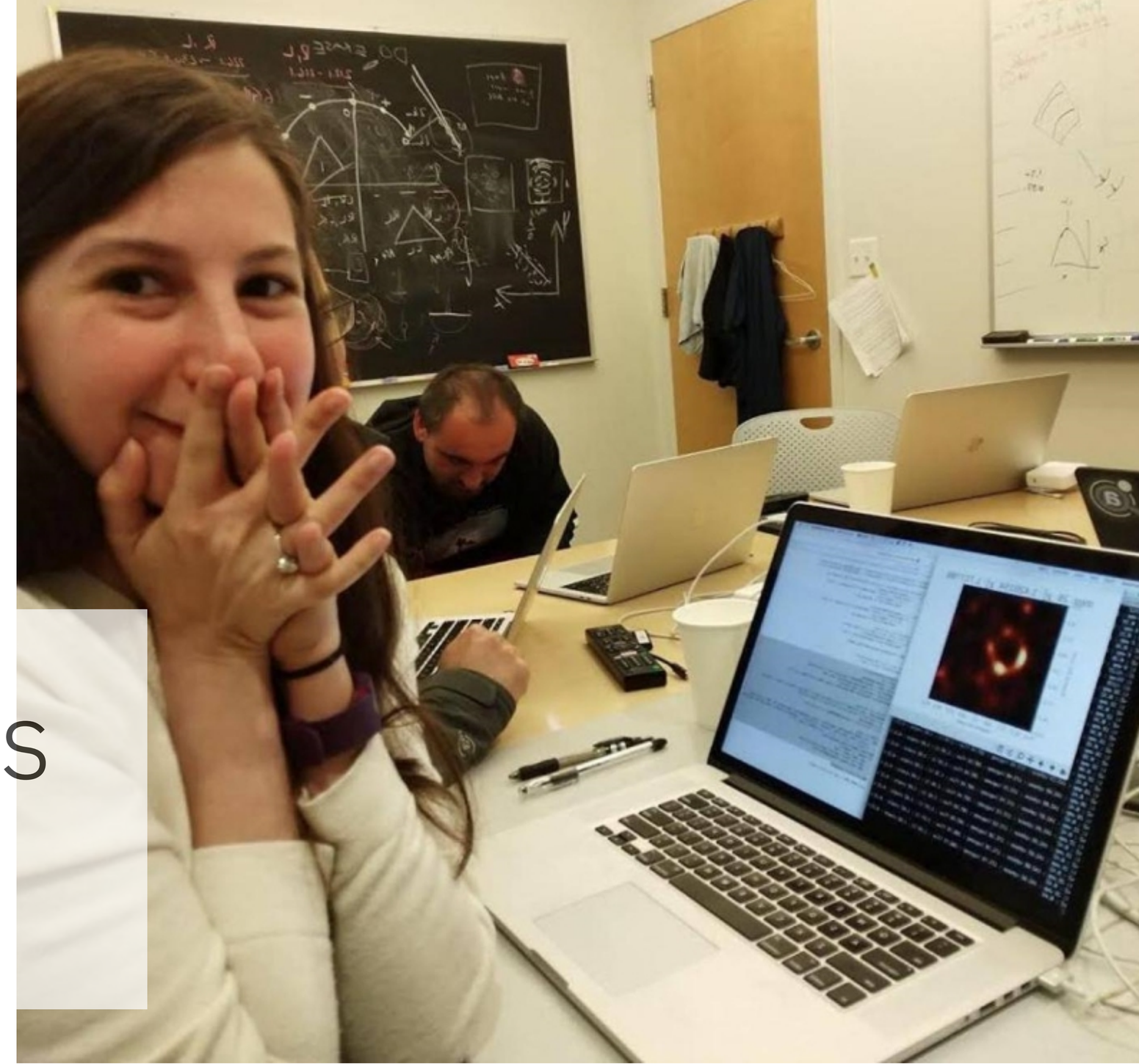
Minecraft
Play
Taper ici pour rechercher
100%
18:51
12/10/2020

Sébastien Blanc @sebi2706 · Oct 12
This K8s/Minecraft integration is nice to realise the amount of stuff that is deployed when you start using Operators. Here on the right side my namespace with just a deployment (+RC +2 pods) and on the left side the Knative Serving components
5
11
39

Positive affect

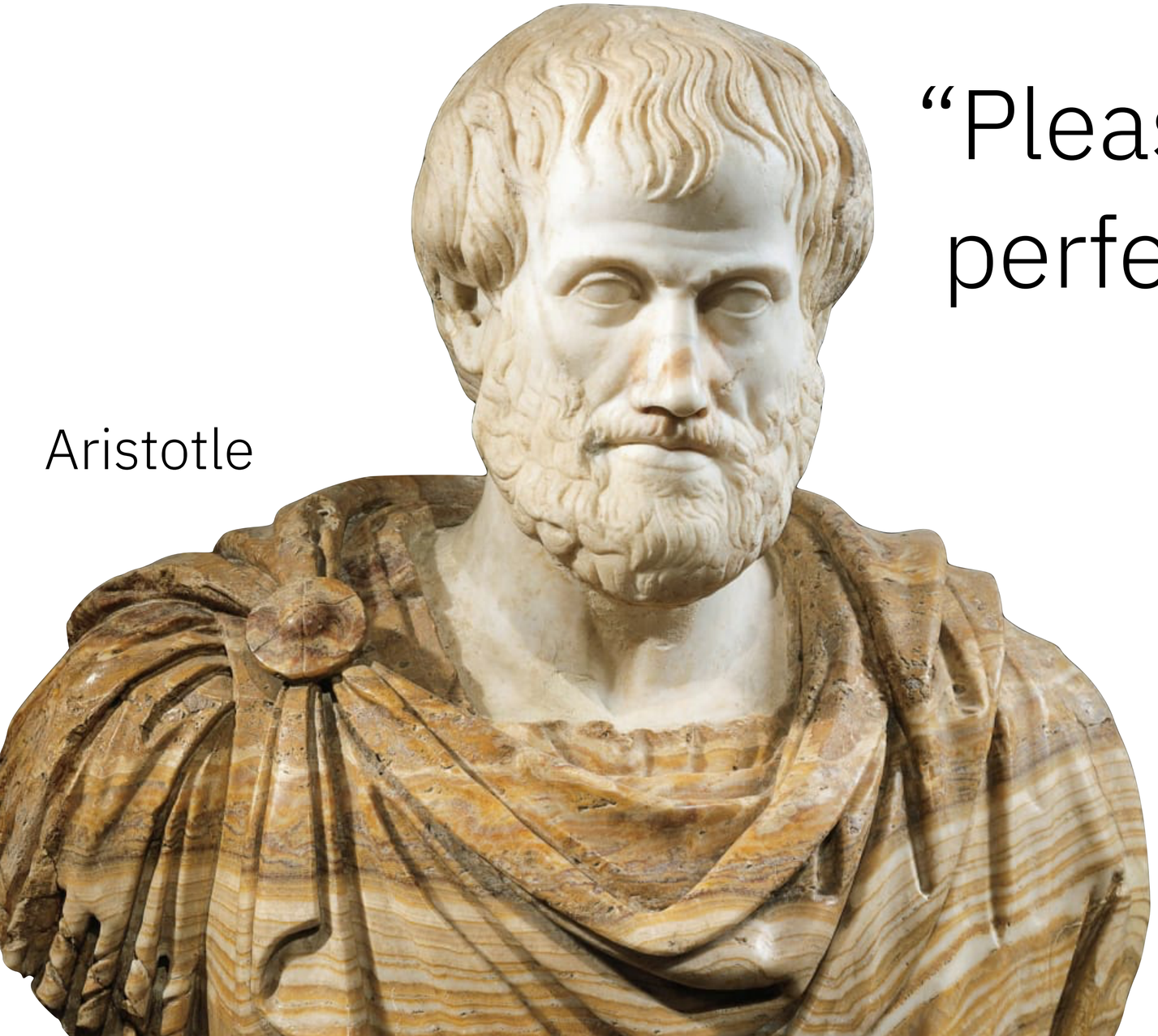


Katie Bouman, discovering that her algorithm for imaging black holes worked.



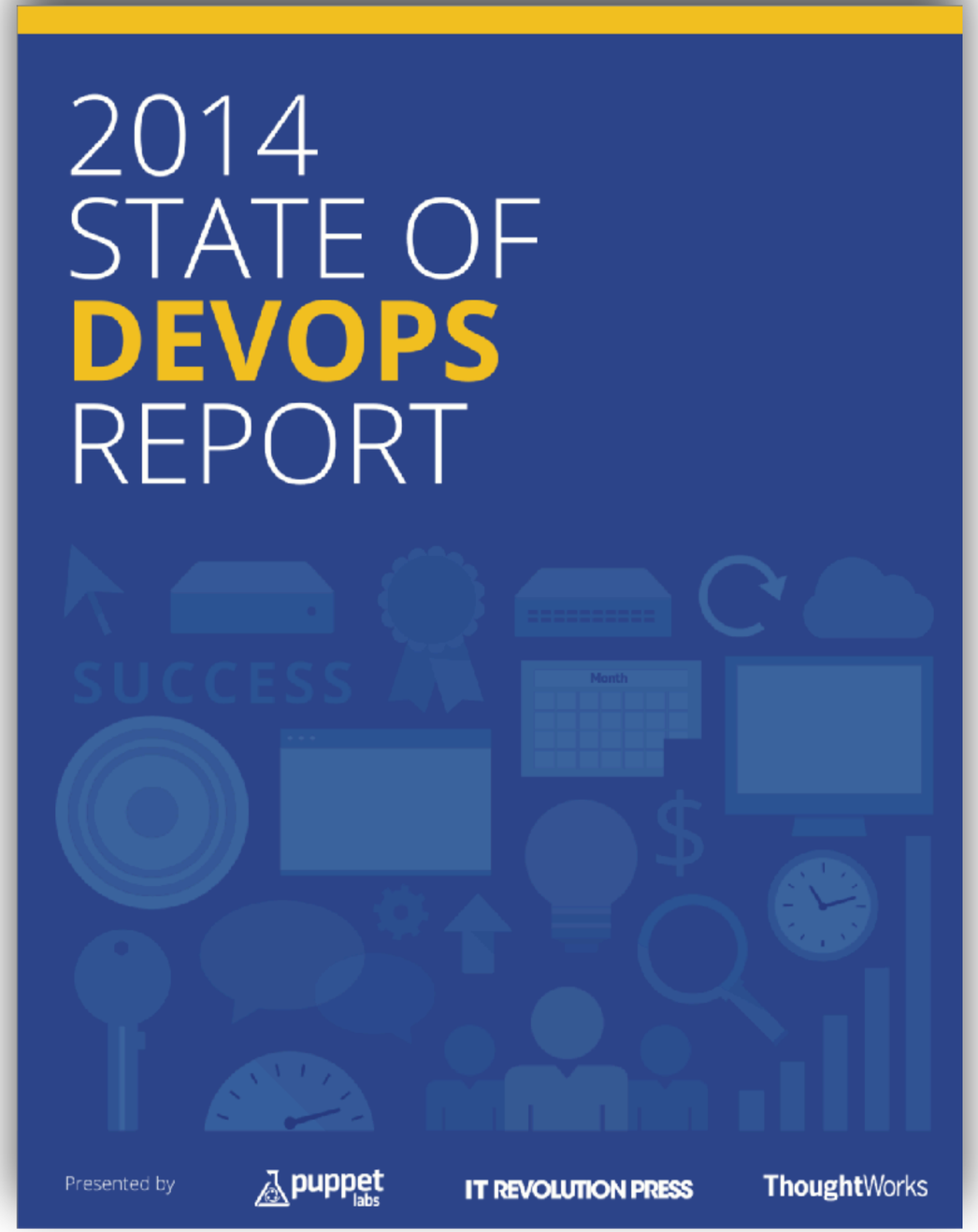
It feels good

why fun is valuable



Aristotle

“Pleasure in the job puts perfection in the work.”



job satisfaction is the **no. 1 predictor** of organizational performance

Studies have shown...

Employee fun

Studies have shown...

Employee fun

Studies have shown...

Less sick leave

Employee fun

Studies have shown...

Less sick leave

Employee fun

Harder working

Studies have shown...

Employee fun

Less sick leave

Harder working

More productivity

Harvard Business Review

PRODUCTIVITY

Positive Intelligence

by Shawn Achor

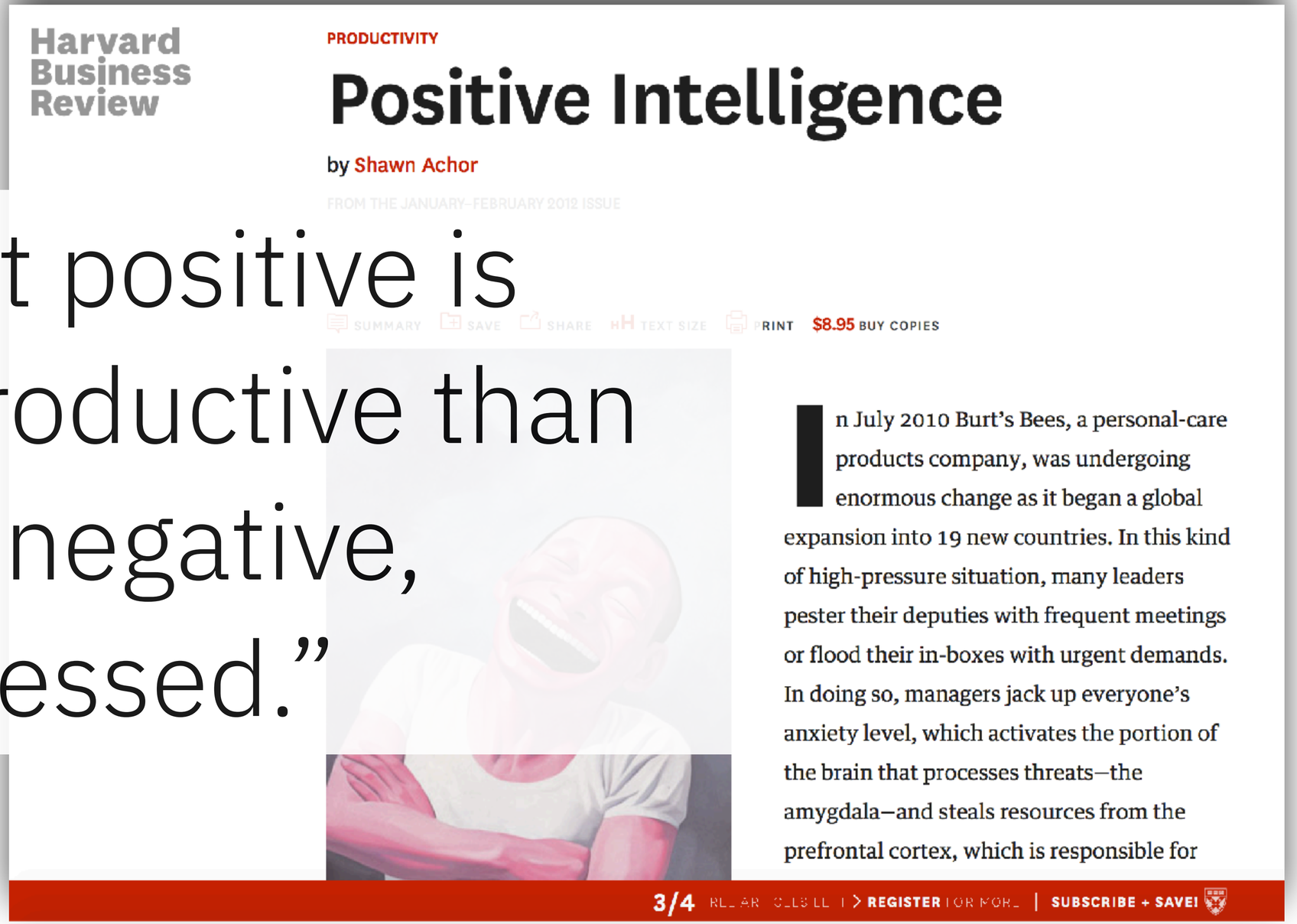
FROM THE JANUARY–FEBRUARY 2012 ISSUE

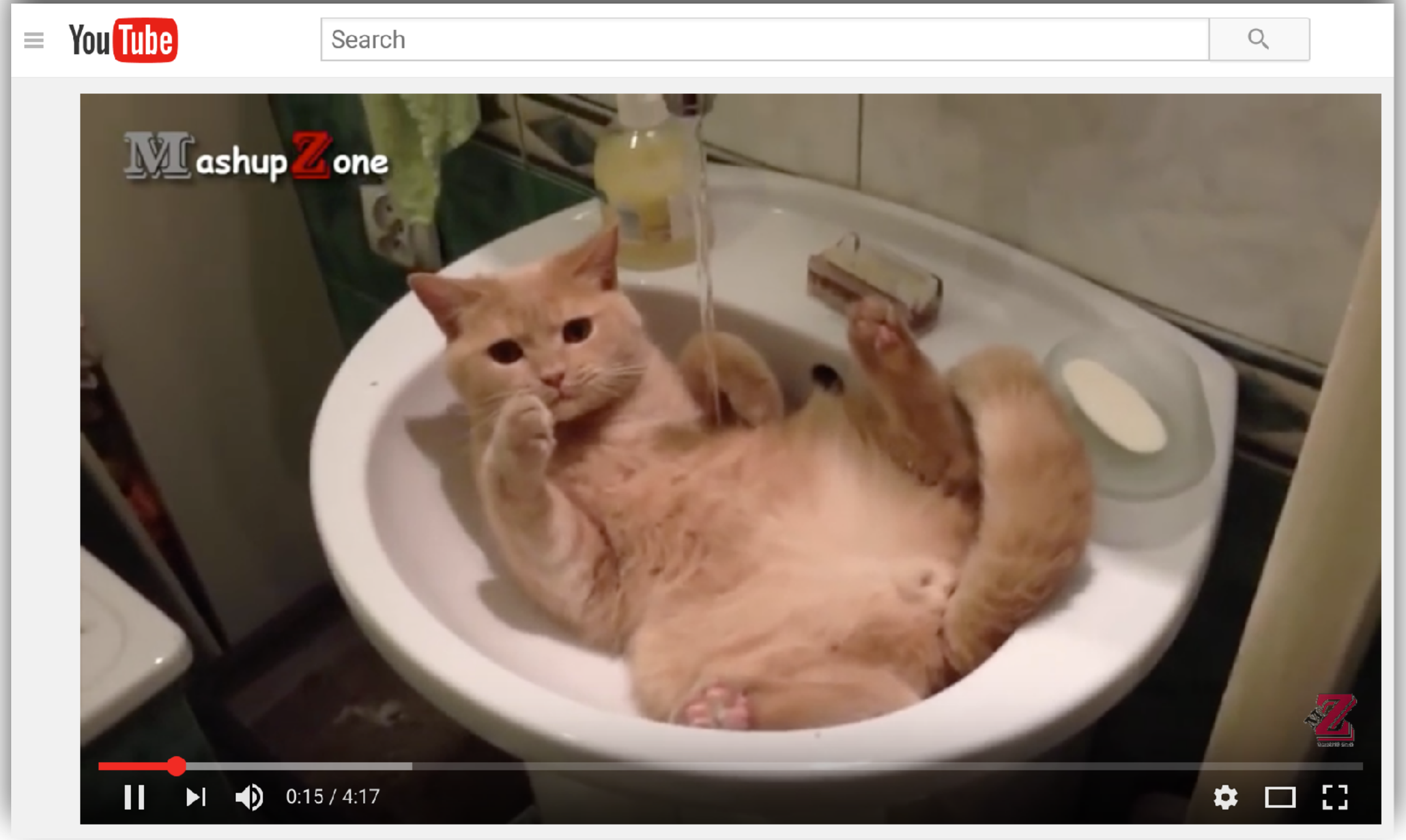
SUMMARY SAVE SHARE HH TEXT SIZE PRINT $8.95 BUY COPIES

In July 2010 Burt's Bees, a personal-care products company, was undergoing enormous change as it began a global expansion into 19 new countries. In this kind of high-pressure situation, many leaders pester their deputies with frequent meetings or flood their in-boxes with urgent demands. In doing so, managers jack up everyone's anxiety level, which activates the portion of the brain that processes threats—the amygdala—and steals resources from the prefrontal cortex, which is responsible for

3/4 READ ARTICLES | REGISTER FOR MORE | SUBSCRIBE + SAVE!

“Your brain at positive is 31% more productive than your brain at negative, neutral or stressed.”




YouTube
Search
MashupZone
0:15 / 4:17

Happiness and Productivity

Andrew J. Oswald*, Eugenio Proto**, and Daniel Sgroi**

*University of Warwick, UK, and IZA Bonn, Germany
**University of Warwick, UK

JOLE 3rd Version: 10 February 2014

Emails: andrew.oswald@warwick.ac.uk; e.proto@warwick.ac.uk; daniel.sgroi@warwick.ac.uk
JEL Classification: D03, J24, C91
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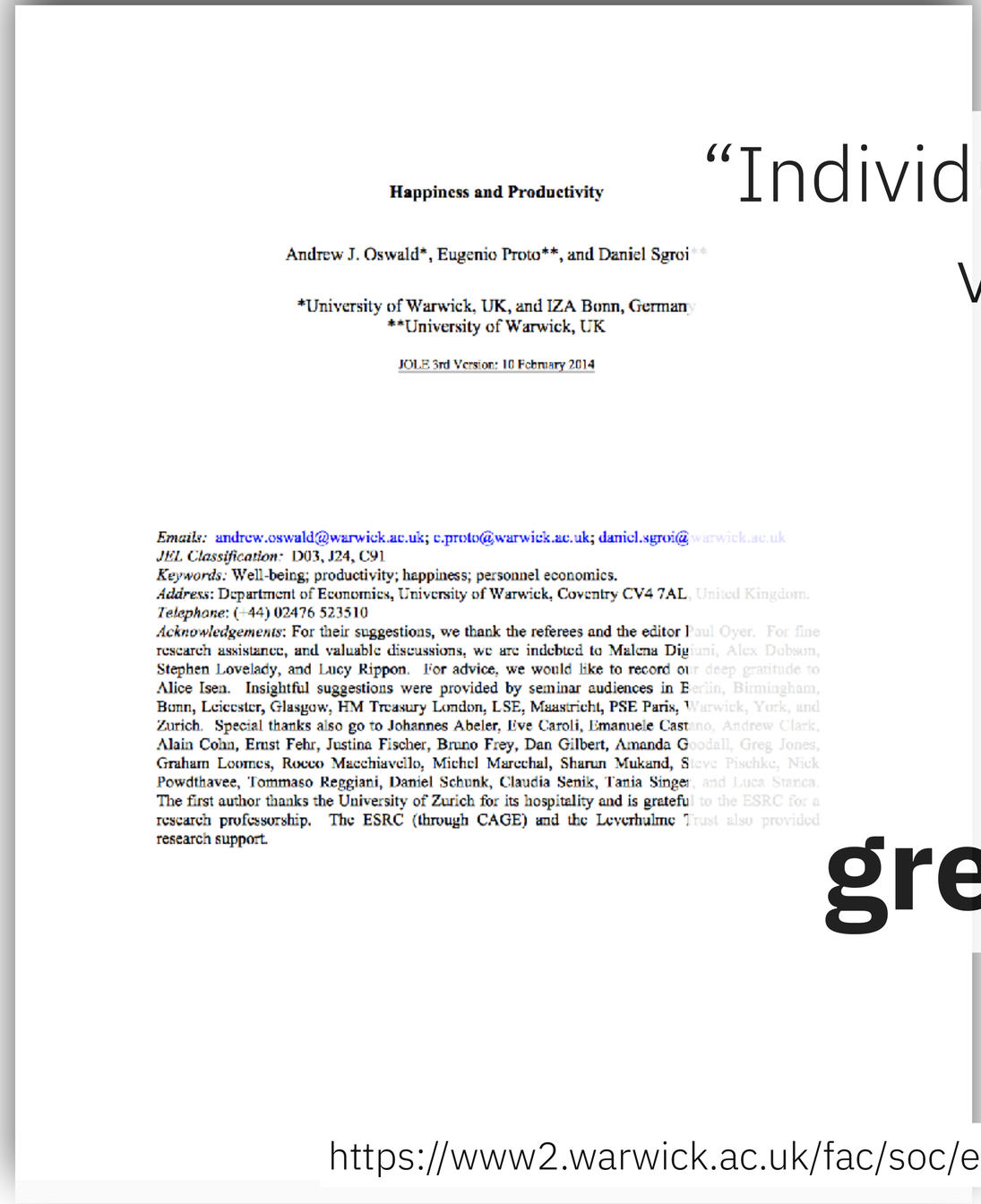
Acknowledgements: For their suggestions, we thank the referees and the editor Paul Oyer. For fine research assistance, and valuable discussions, we are indebted to Malena Digiuni, Alex Dobson, Stephen Lovelady, and Lucy Rippon. For advice, we would like to record our deep gratitude to Alice Isen. Insightful suggestions were provided by seminar audiences in Berlin, Birmingham, Bonn, Leicester, Glasgow, HM Treasury London, LSE, Maastricht, PSE Paris, Warwick, York, and Zurich. Special thanks also go to Johannes Abeler, Eve Caroli, Emanuele Castano, Andrew Clark, Alain Cohn, Ernst Fehr, Justina Fischer, Bruno Frey, Dan Gilbert, Amanda Goodall, Greg Jones, Graham Loomes, Rocco Macchiavello, Michel Marechal, Sharun Mukand, Steve Pischke, Nick Powdthavee, Tommaso Reggiani, Daniel Schunk, Claudia Senik, Tania Singer, and Luca Stanca. The first author thanks the University of Zurich for its hospitality and is grateful to the ESRC for a research professorship. The ESRC (through CAGE) and the Leverhulme Trust also provided research support.

https://www2.warwick.ac.uk/fac/soc/economics/staff/eproto/workingpapers/happinessproductivity.pdf



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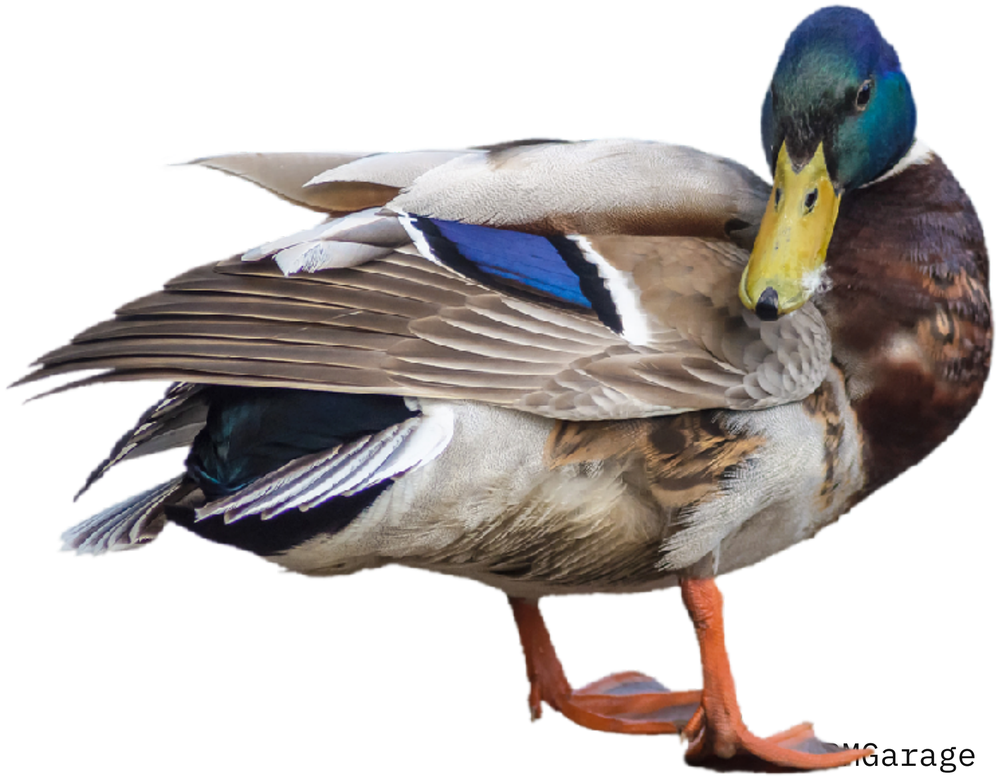
"Individuals [who just watched a comedy video] have approximately

12%

greater productivity."

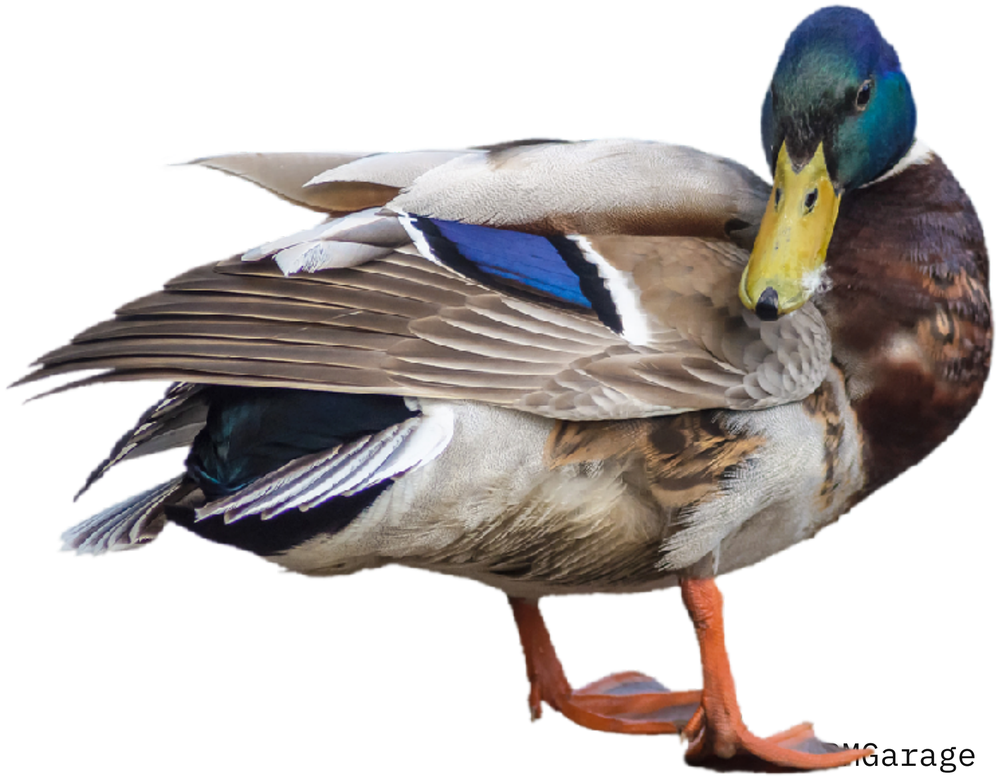
https://www2.warwick.ac.uk/fac/soc/economics/staff/eproto/workingpapers/happinessproductivity.pdf

laughter:



laughter:

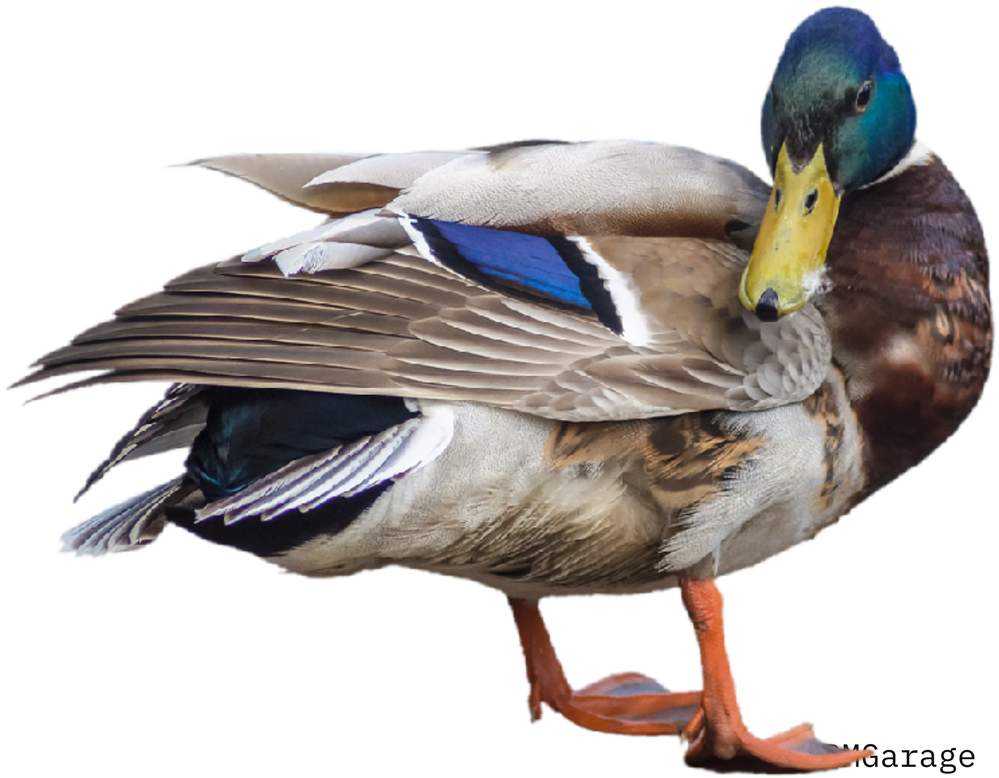
defuses tense situations



laughter:

defuses tense situations

creates team cohesion

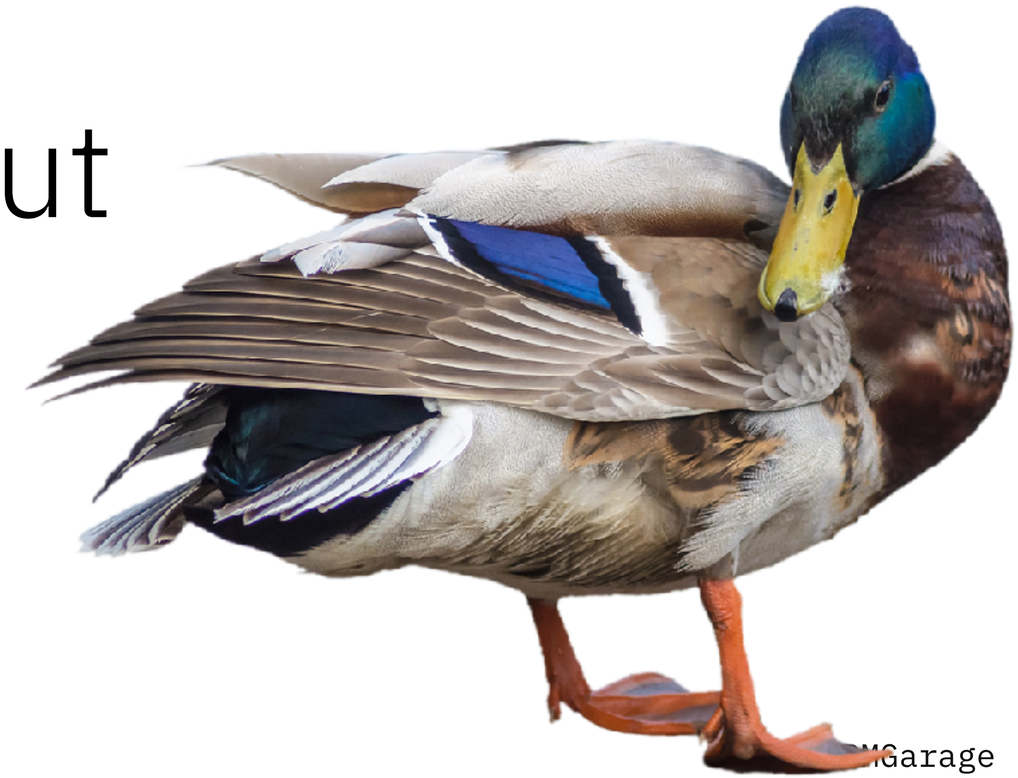


laughter:

defuses tense situations

creates team cohesion

is a nice muscle workout

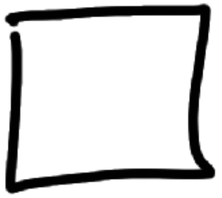


achieving fun

fun execution plan

laugh, eat cake, wear silly hats

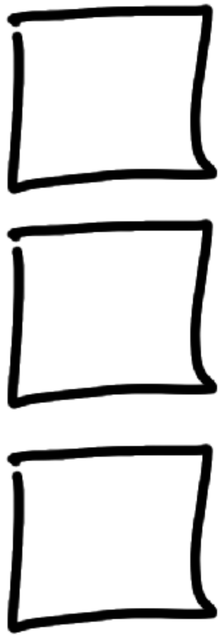
fun execution plan



find un-fun things & get rid of them

laugh, eat cake, wear silly hats

fun execution plan

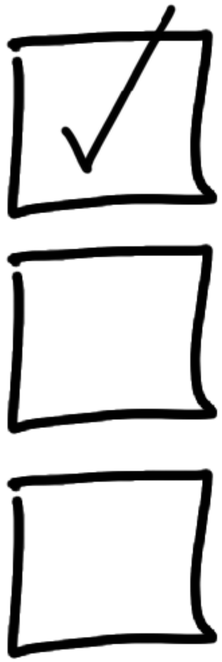


don’t prohibit fun

find un-fun things & get rid of them

laugh, eat cake, wear silly hats

fun execution plan



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fun execution plan

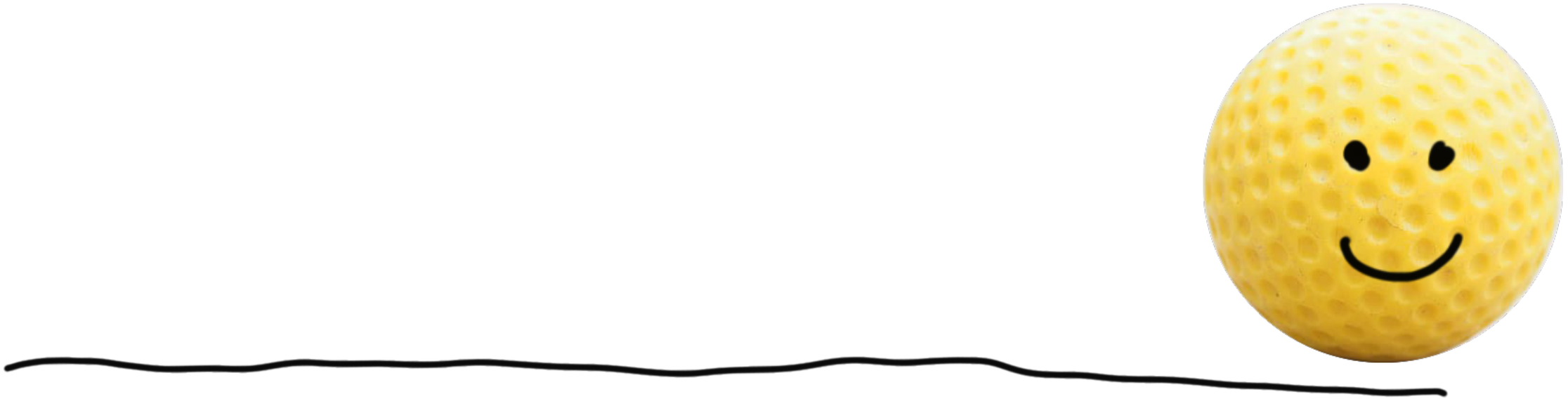
don’t prohibit fun

find un-fun things & get rid of them

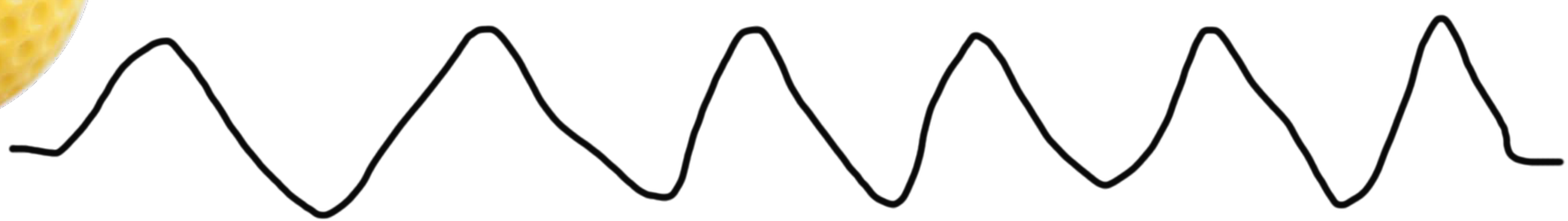
laugh, eat cake, wear silly hats

flow feels good

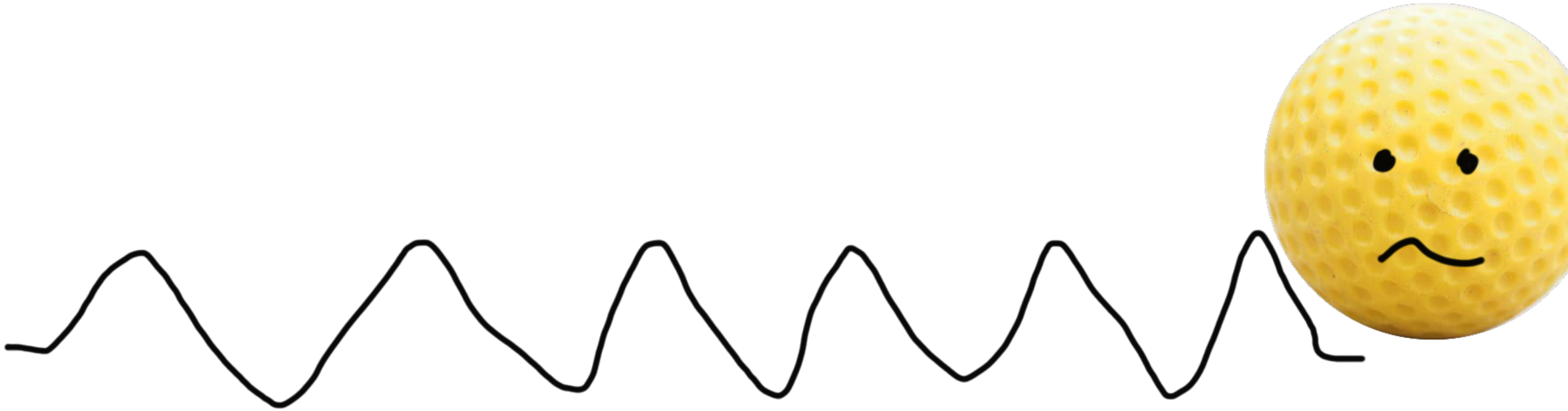
flow feels good



friction saps energy



friction saps energy



A process being unfun
is a red flag that it’s not
adding **value**.

is cloud fun?

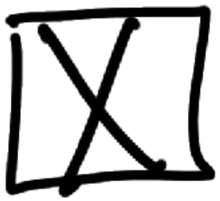
is cloud fun?

what is cloud-y?

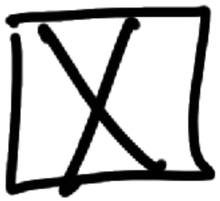
what is cloud-y?

cost savings

what is cloud-y?

 cost savings

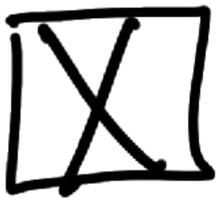
what is cloud-y?

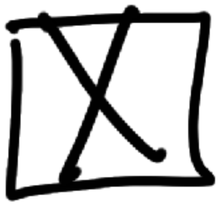


cost savings

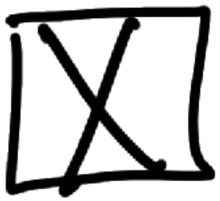
elasticity

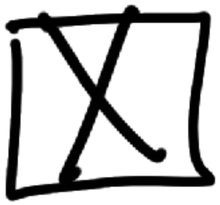
what is cloud-y?

 cost savings

 elasticity

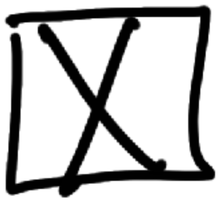
what is cloud-y?

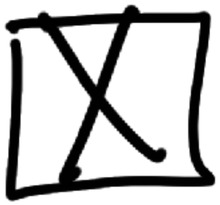

cost savings

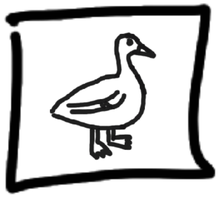

elasticity

exotic hardware

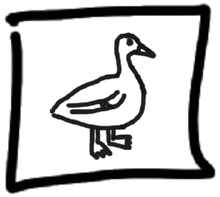
what is cloud-y?

 cost savings

 elasticity

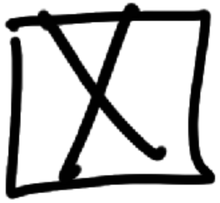
 exotic hardware

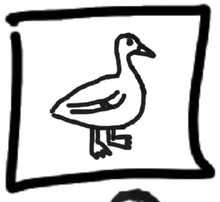
what is cloud-y?

- [x] cost savings
- [x] elasticity
- [x]  exotic hardware
- [ ] low friction & fast speed to market

what is cloud-y?

cost savings


elasticity


exotic hardware

low friction & fast speed to market

cloud brings
new ways of working

“devops helps make our lives **humane** and **win** in the marketplace.”

-Gene Kim

SRE

dedicated to eliminating toil from ops because **toil isn’t valuable**.

SRE

dedicated to eliminating toil from ops because **toil isn’t fun**.

no really
is cloud **actually** fun?

bad tools

©Katerina Kamprani - The Uncomfortable
Used with permission - thanks!

bad tools

“the CEO bought [tool] after a conversation on a golf course …

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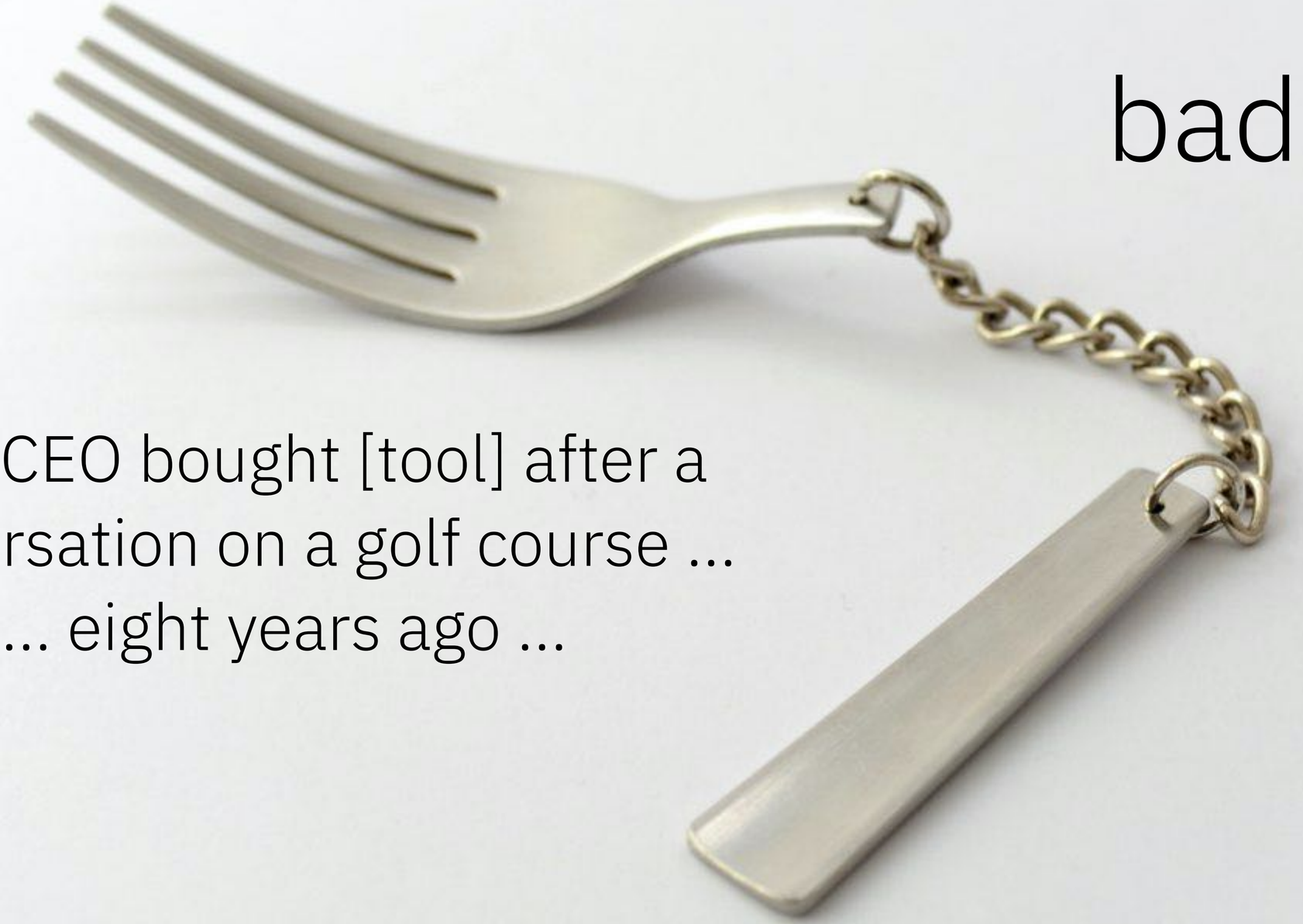
bad tools



“the CEO bought [tool] after a conversation on a golf course …
… eight years ago …

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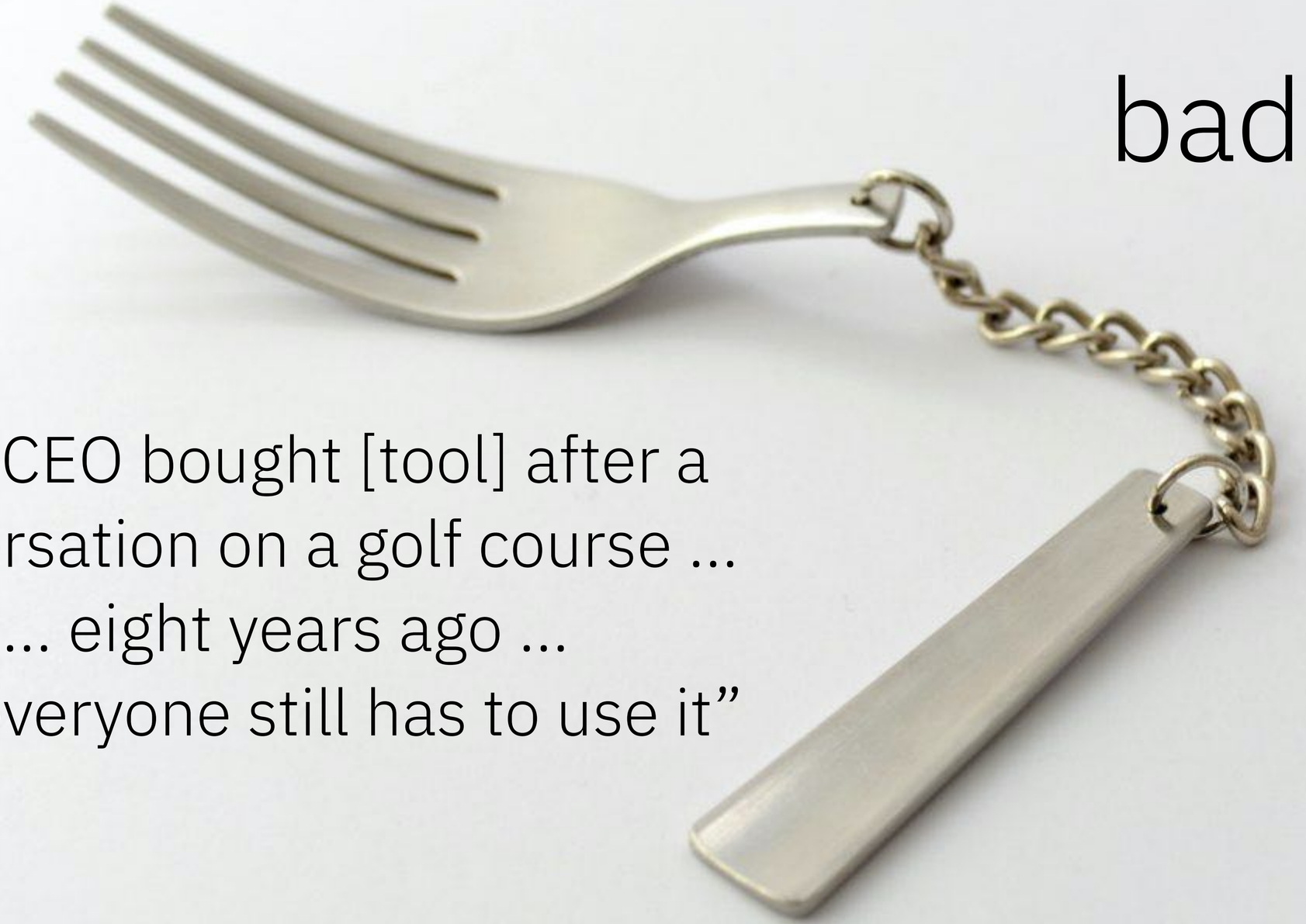
bad tools



“the CEO bought [tool] after a conversation on a golf course …
… eight years ago …
and everyone still has to use it”

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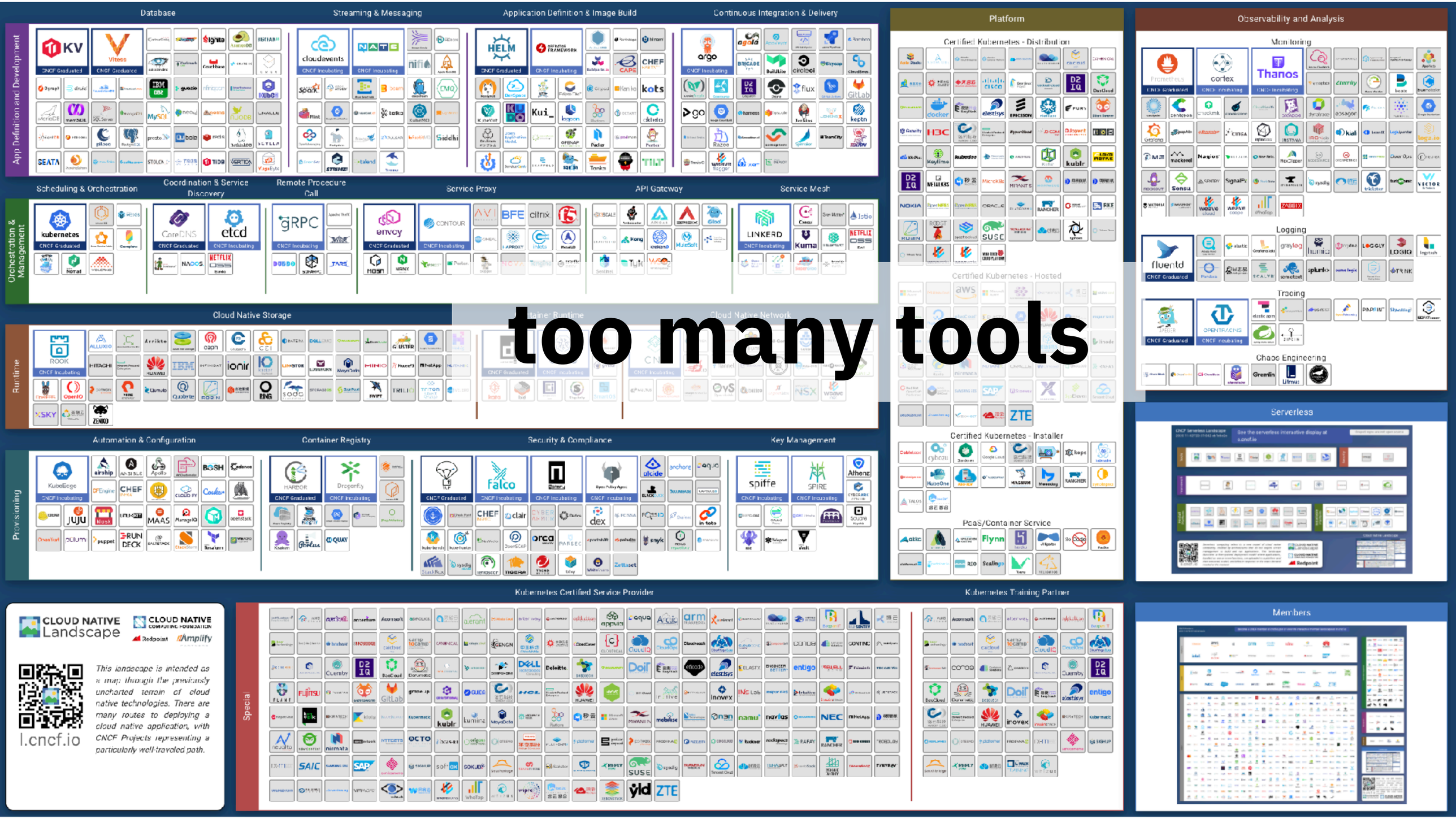

too many tools
Database
Streaming & Messaging
Application Definition & Image Build
Continuous Integration & Delivery
App Definition and Development
Scheduling & Orchestration
Coordination & Service Discovery
Remote Procedure Call
Service Proxy
API Gateway
Service Mesh
Orchestration & Management
Cloud Native Storage
Container Runtime
Cloud Native Network
Runtime
Automation & Configuration
Container Registry
Security & Compliance
Key Management
Provisioning
Platform
Certified Kubernetes - Distribution
Certified Kubernetes - Hosted
Certified Kubernetes - Installer
PaaS/Container Service
Observability and Analysis
Monitoring
Logging
Tracing
Chaos Engineering
Serverless
Kubernetes Certified Service Provider
Kubernetes Training Partner
Members
CLOUD NATIVE Landscape
CLOUD NATIVE COMPUTING FOUNDATION
Redpoint
Amplify
l.cncf.io
This landscape is intended as a map through the previously uncharted terrain of cloud native technologies. There are many routes to deploying a cloud native application, with CNCF Projects representing a particularly well-traveled path.

memenetes
@memenetes

Kid: I want a really difficult puzzle for my birthday
Me:

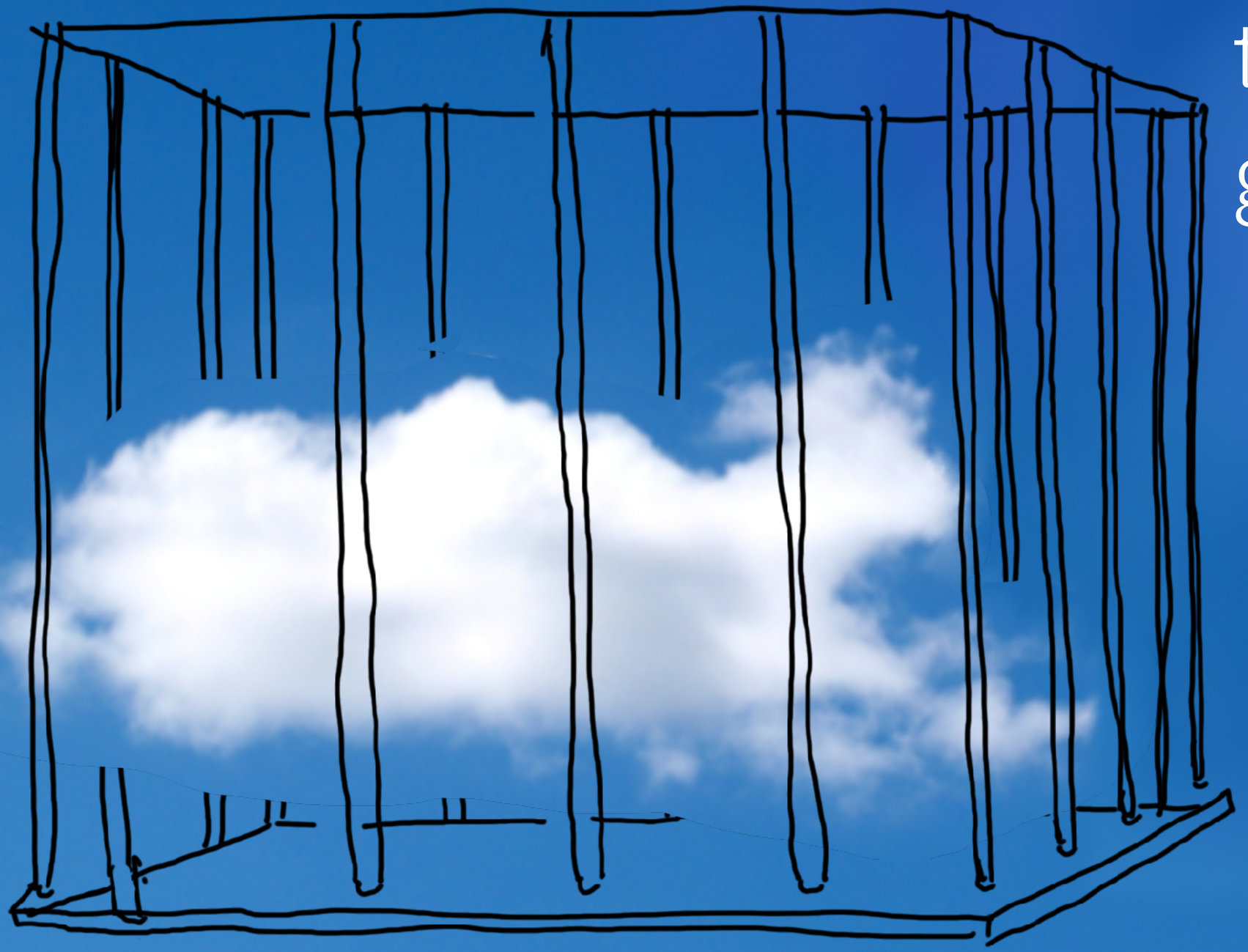
10:00 PM · Apr 7, 2020 · SmarterQueue

aside: what's the point of laughing at something?

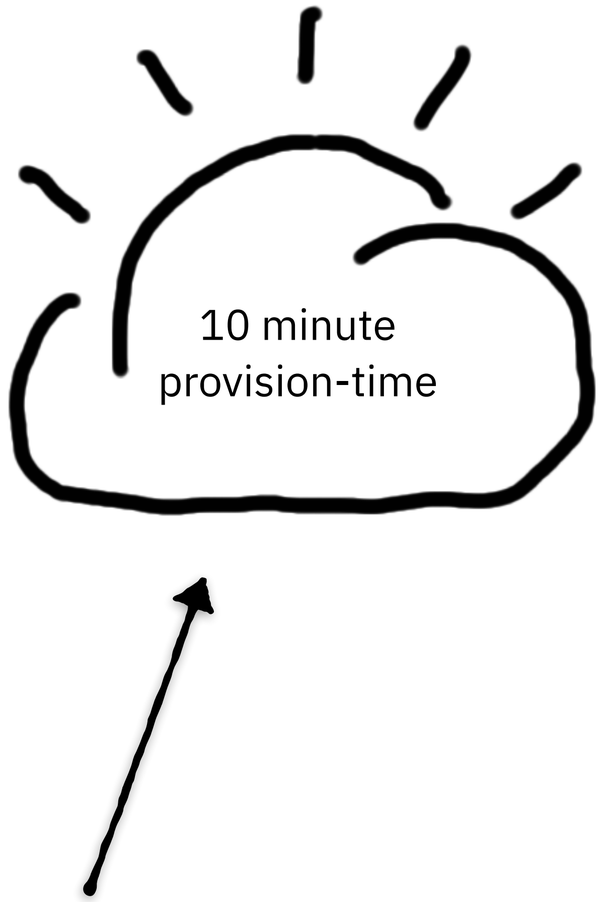
to show we **get** it

too much
governance

too much
governance

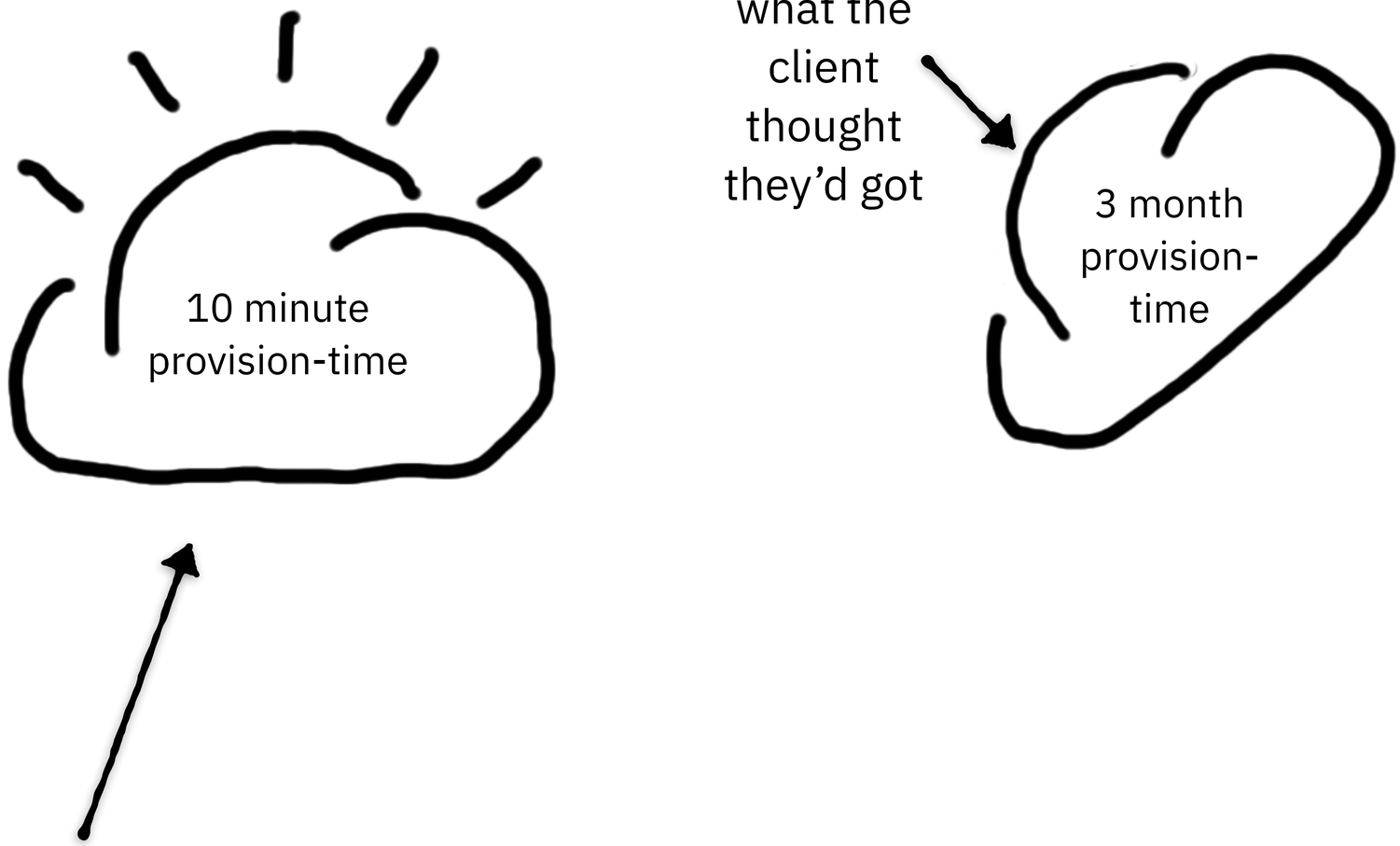


“this provisioning software is broken”

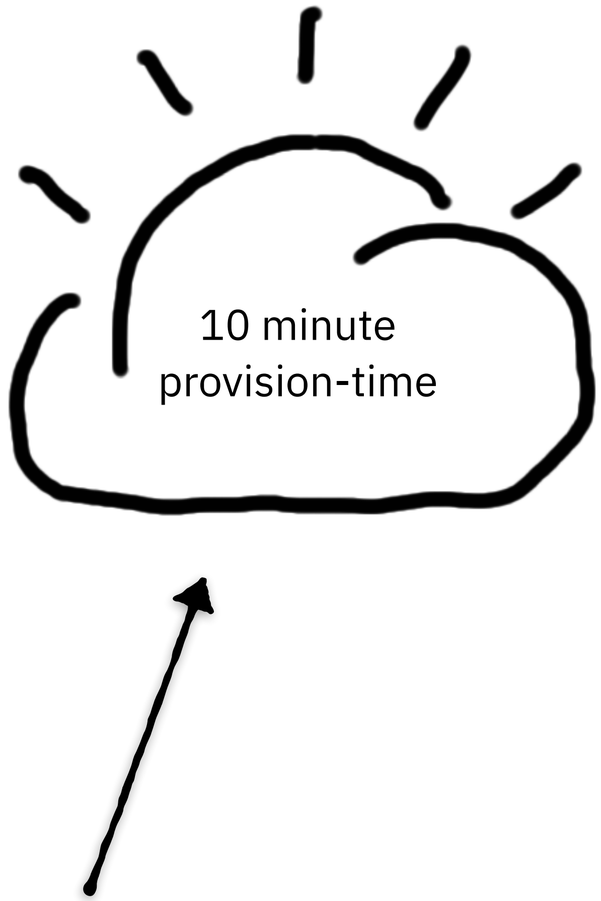


what we sold

“this provisioning
software is broken”

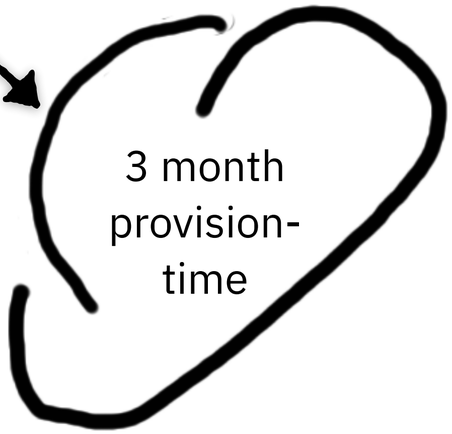


"this provisioning software is broken"



what we sold

what the client thought they'd got



the reason

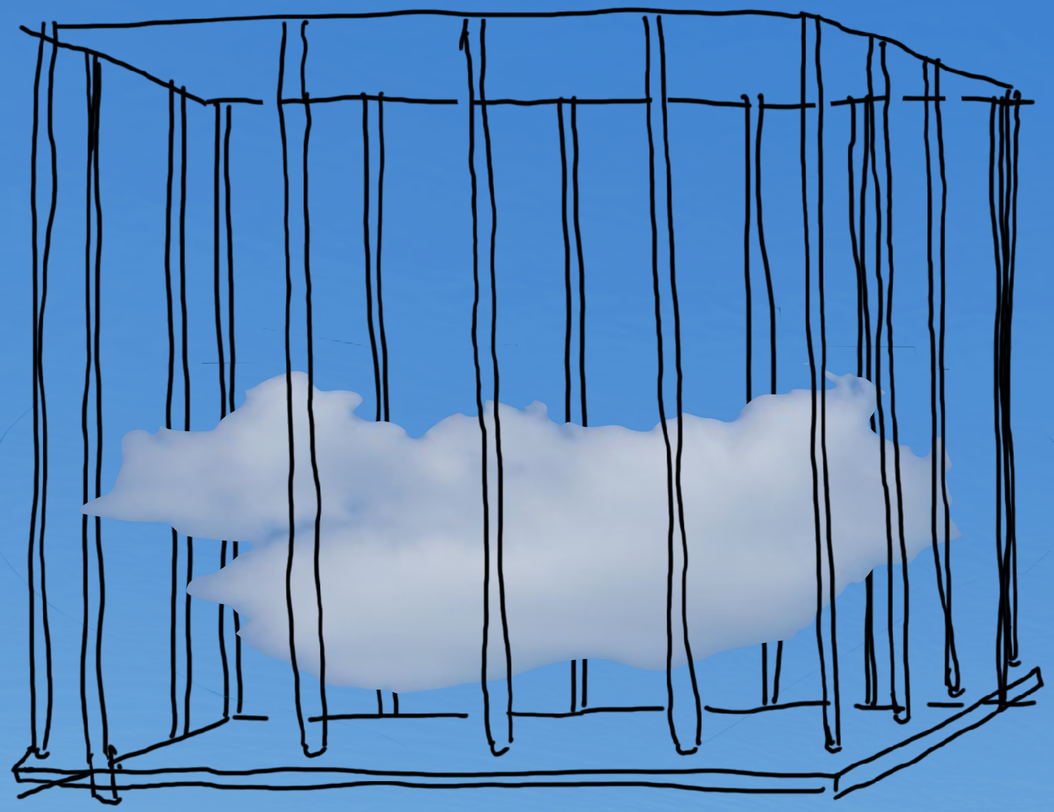
"this provisioning software is broken"

mins

Provider A

Provider B

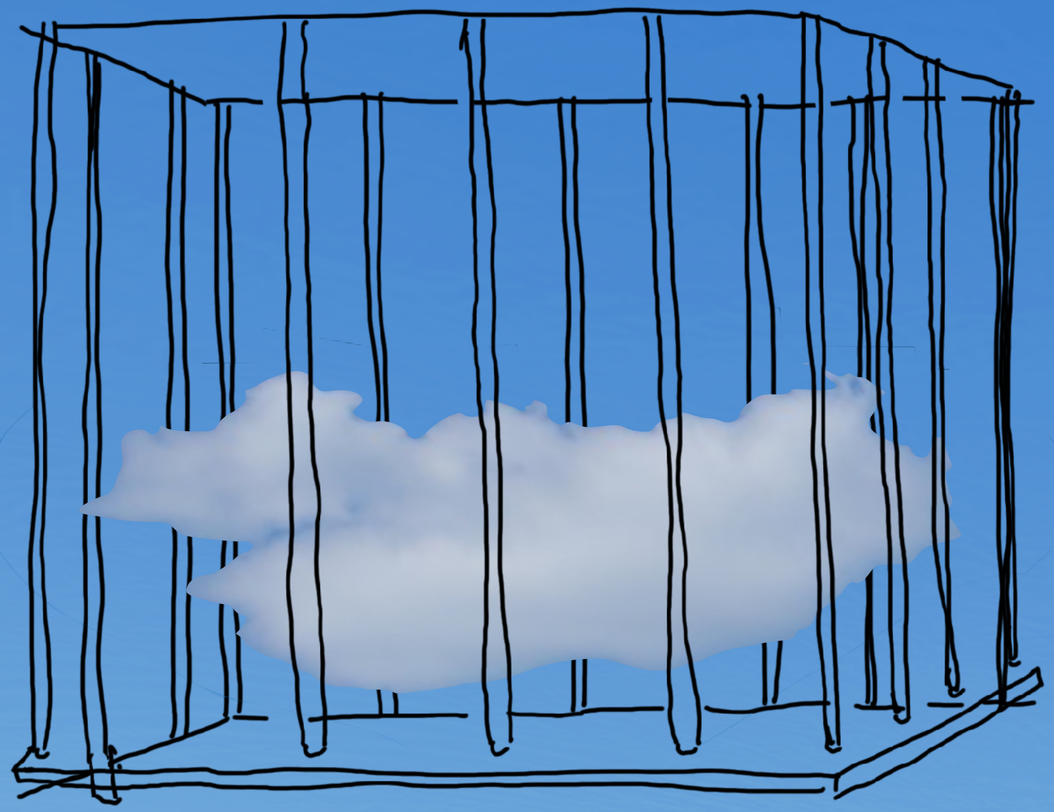
“we’re going to change cloud provider



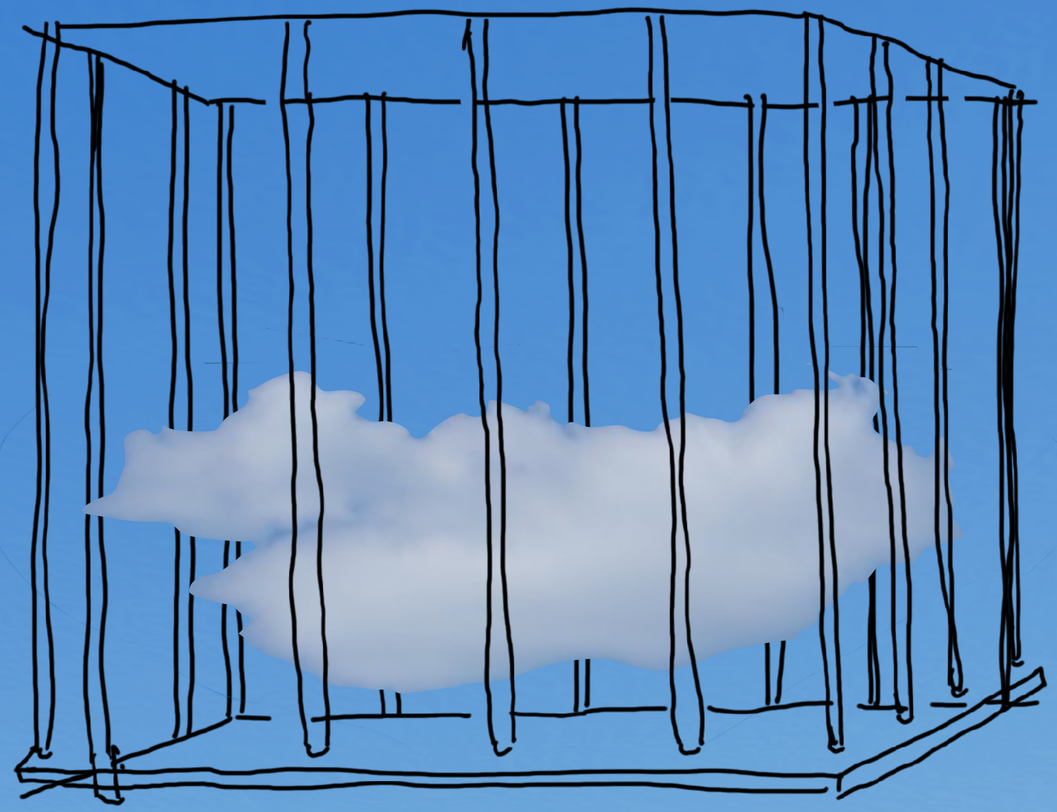
Provider A

Provider B

“we’re going to change cloud provider to fix our procurement process!”



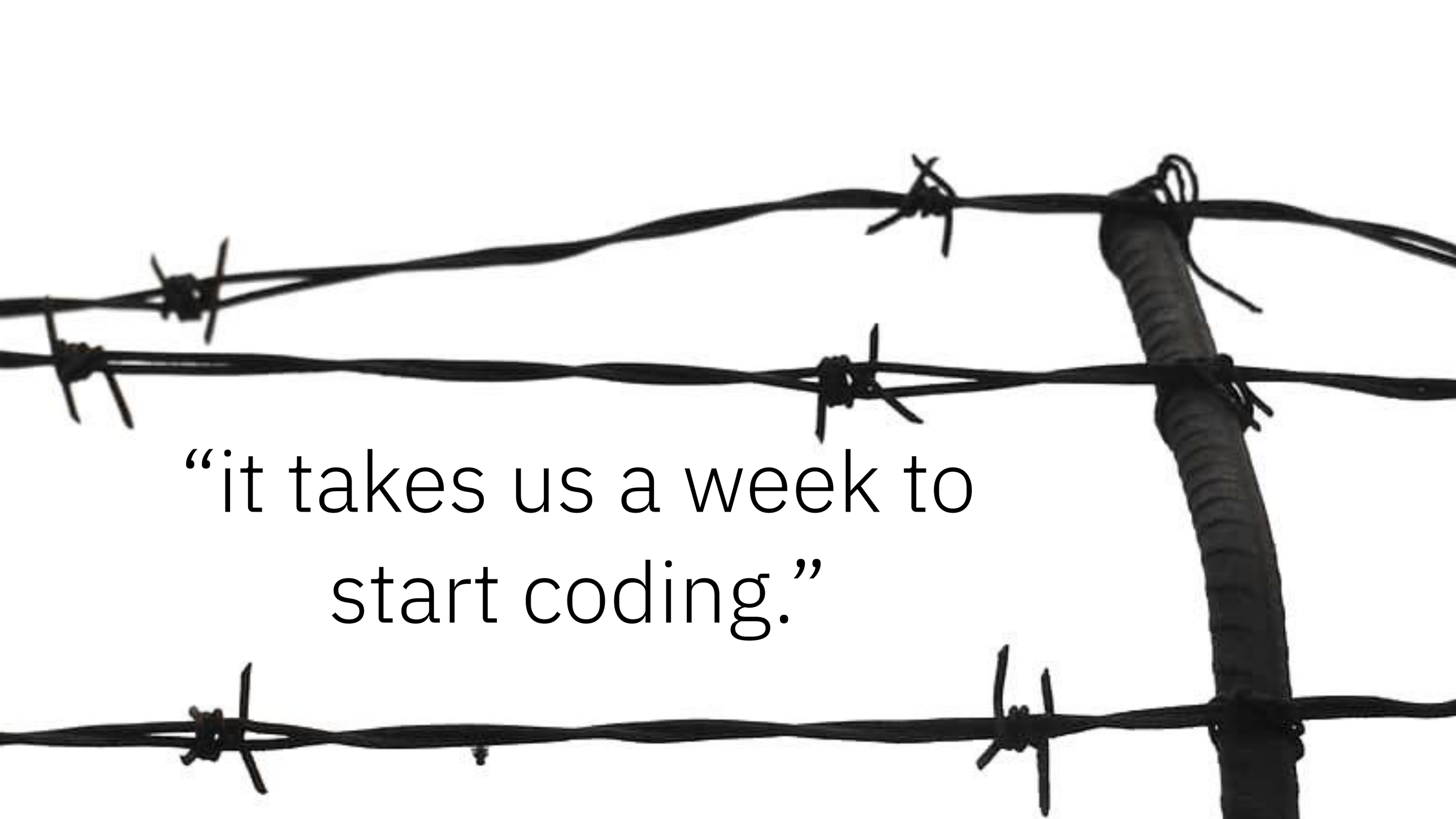
Provider A



Provider B

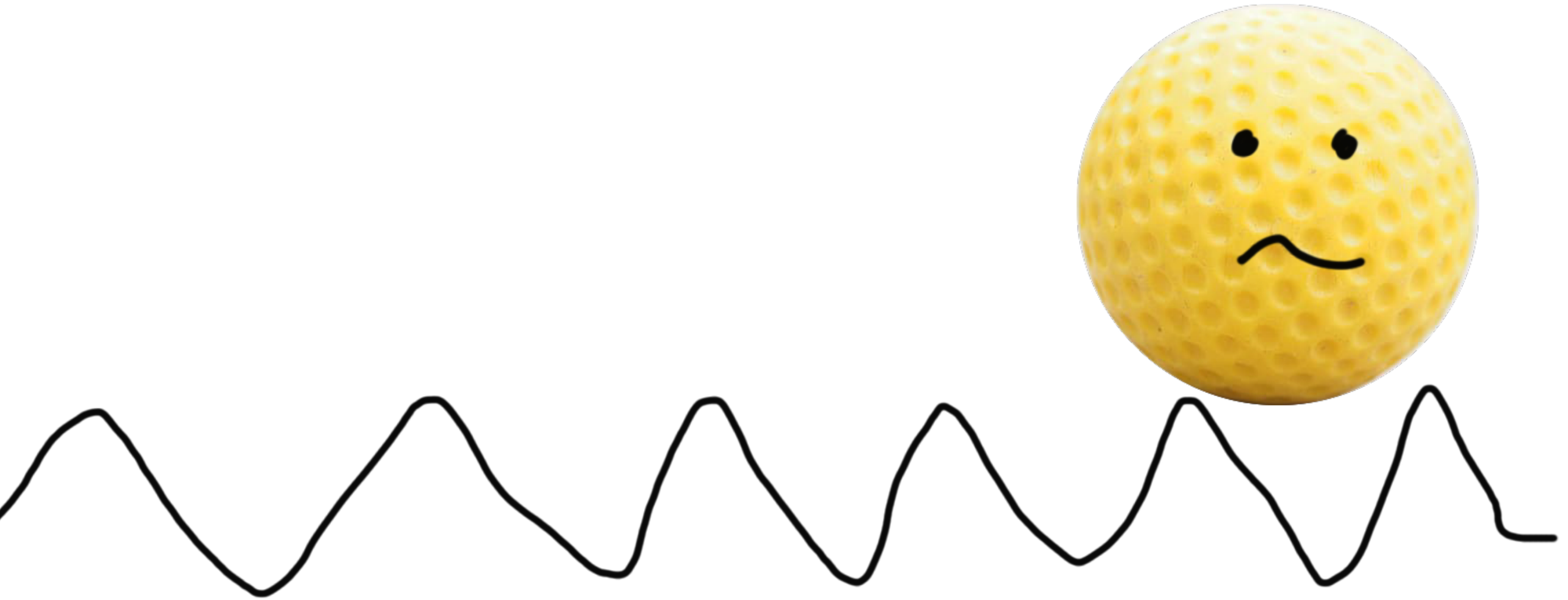
“we’re going to change cloud provider to fix our procurement process!”

“your laptop can either access the cloud servers ... or access our jira.”


“it takes us a week to
start coding.”

friction **costs**: developers leave

fixing it

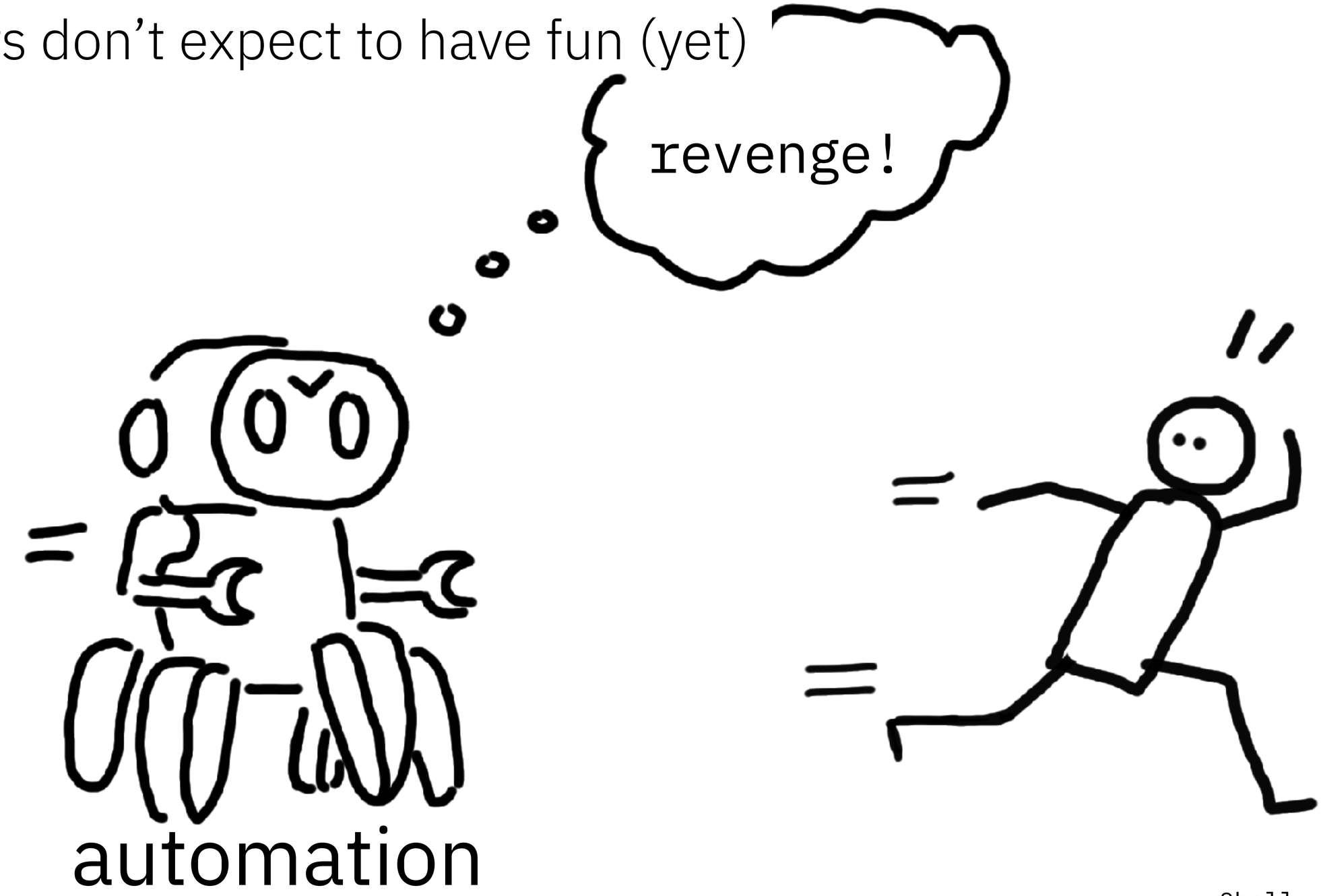


automation

computers don’t expect to have fun

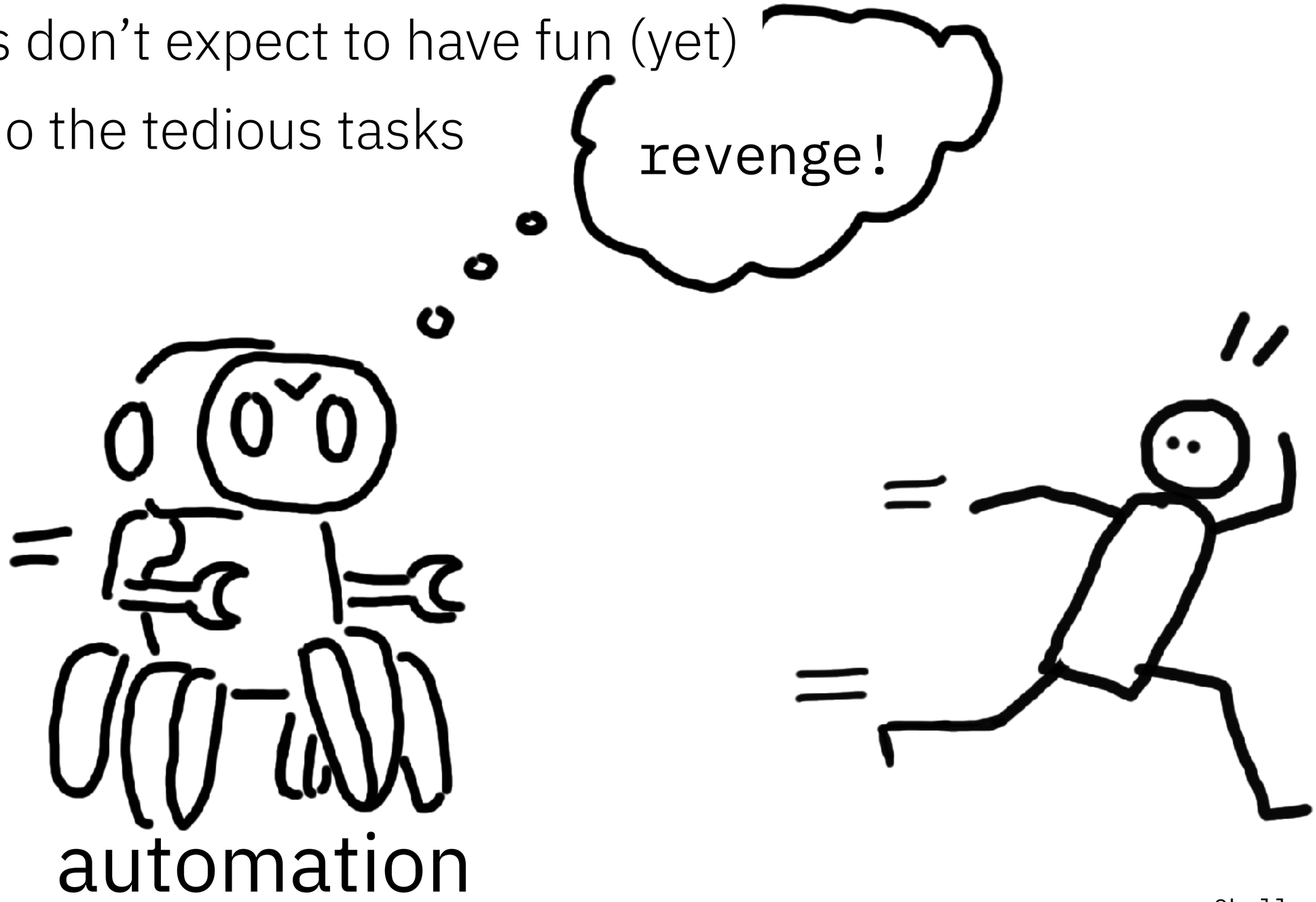
automation

computers don’t expect to have fun (yet)



computers don’t expect to have fun (yet)

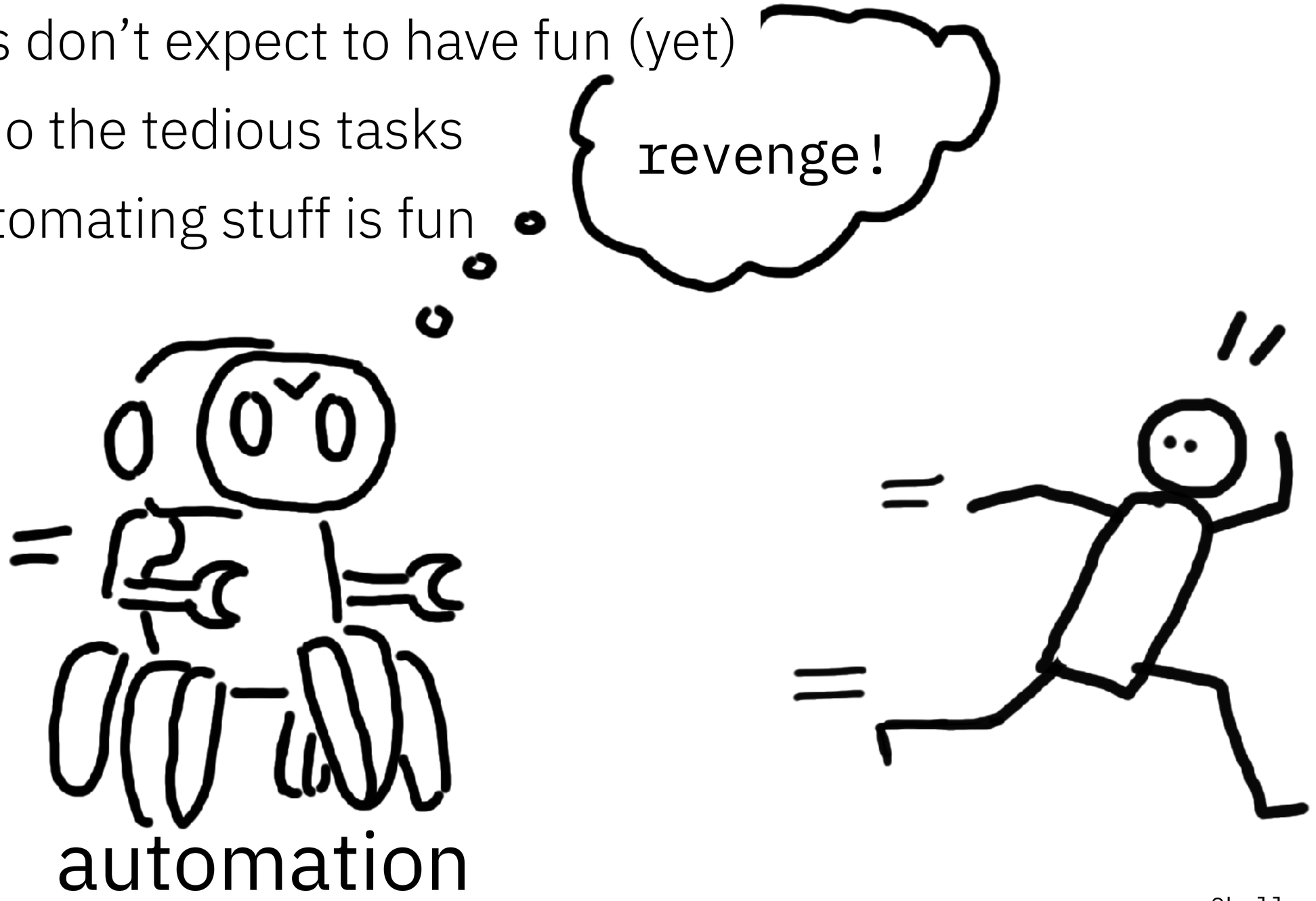
let **them** do the tedious tasks



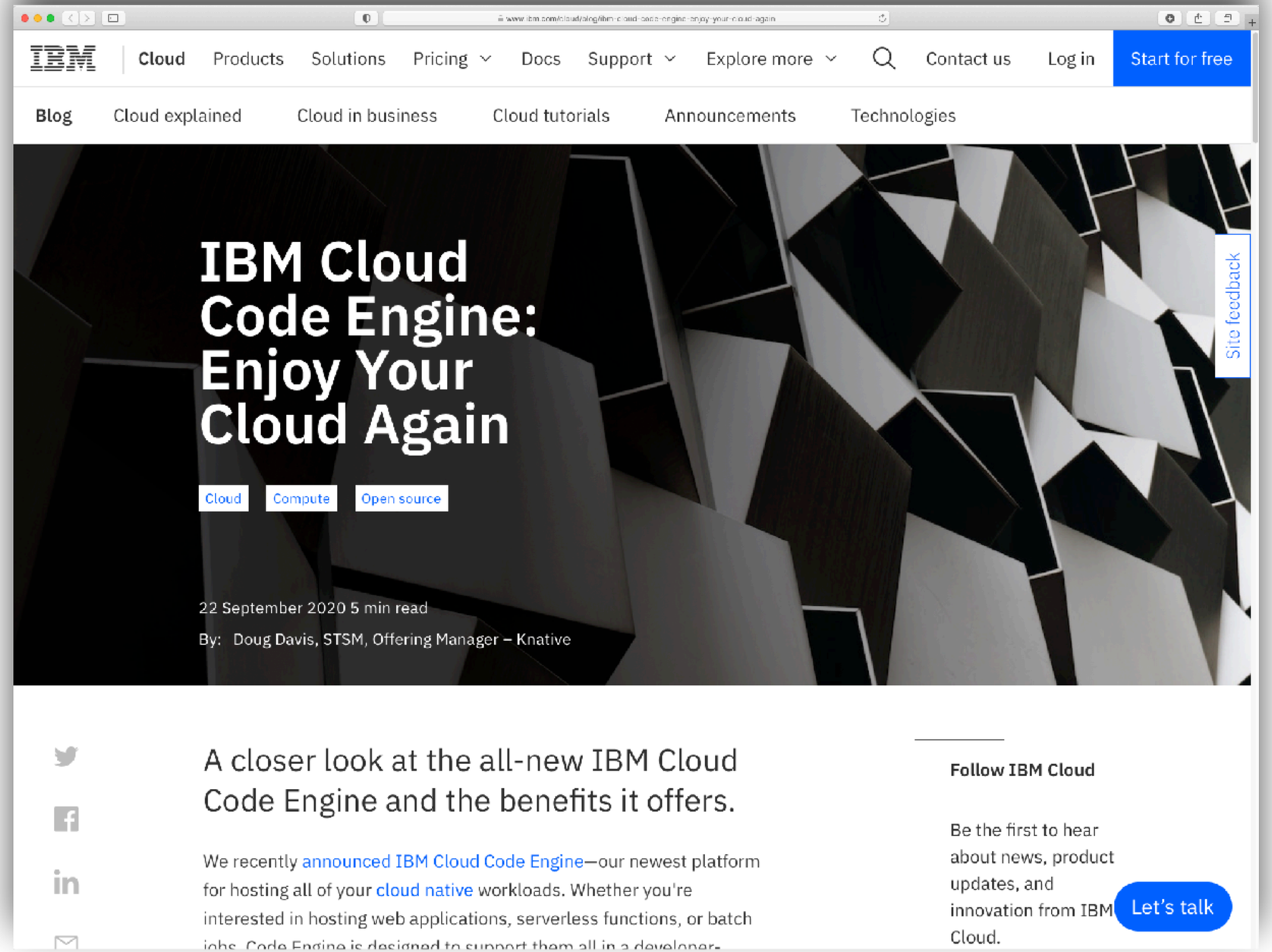
computers don’t expect to have fun (yet)

let **them** do the tedious tasks

bonus: automating stuff is fun



go PaaS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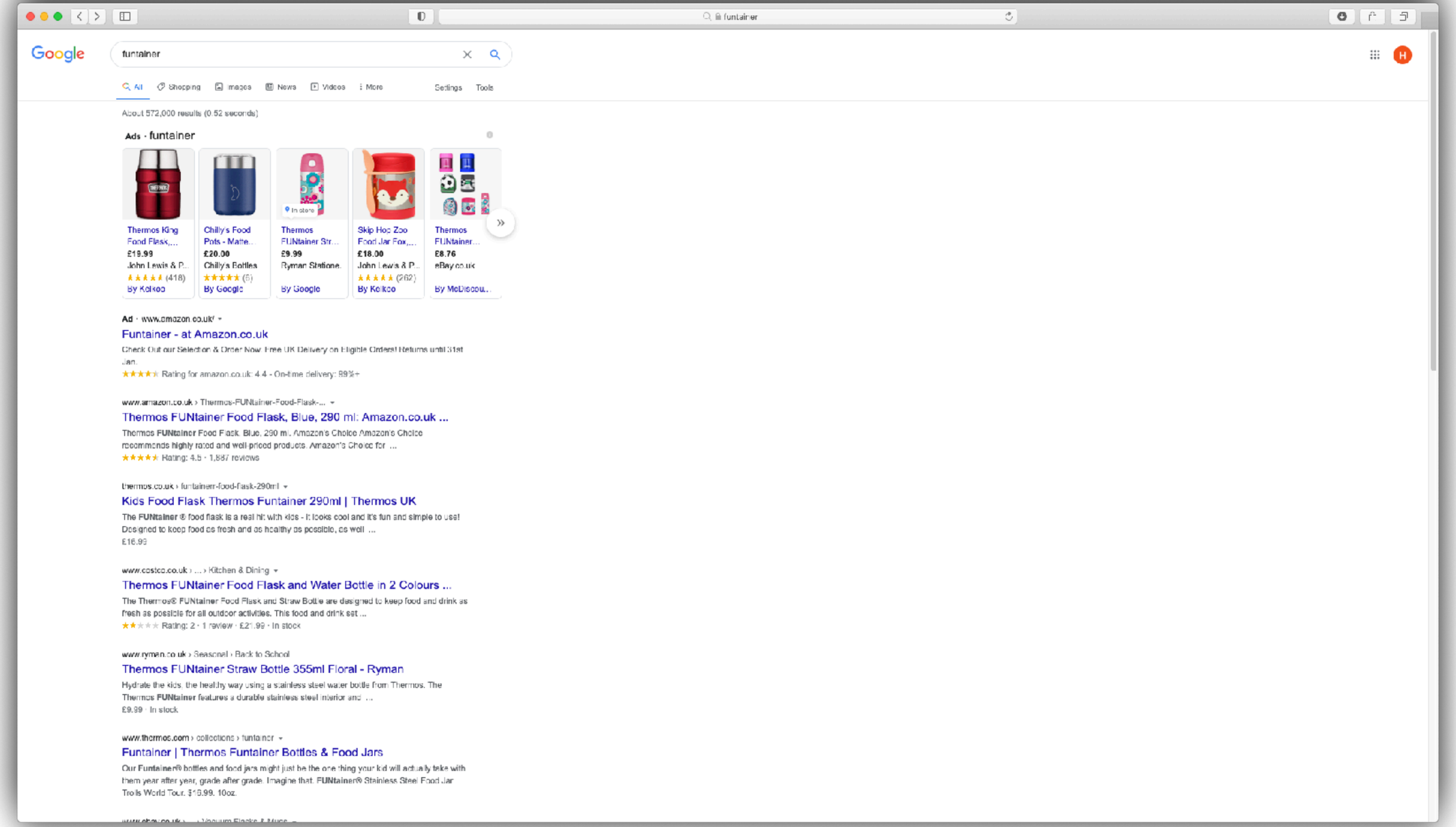
‘serverless container’

function-container:

‘serverless container’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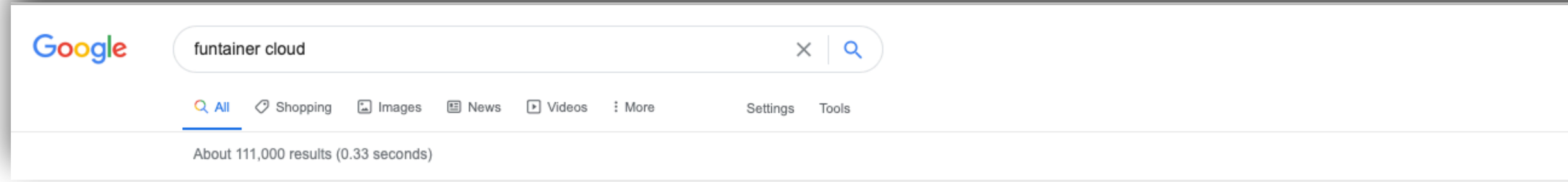
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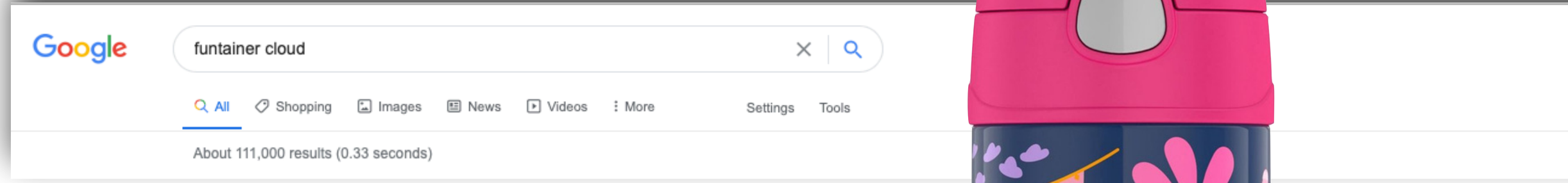
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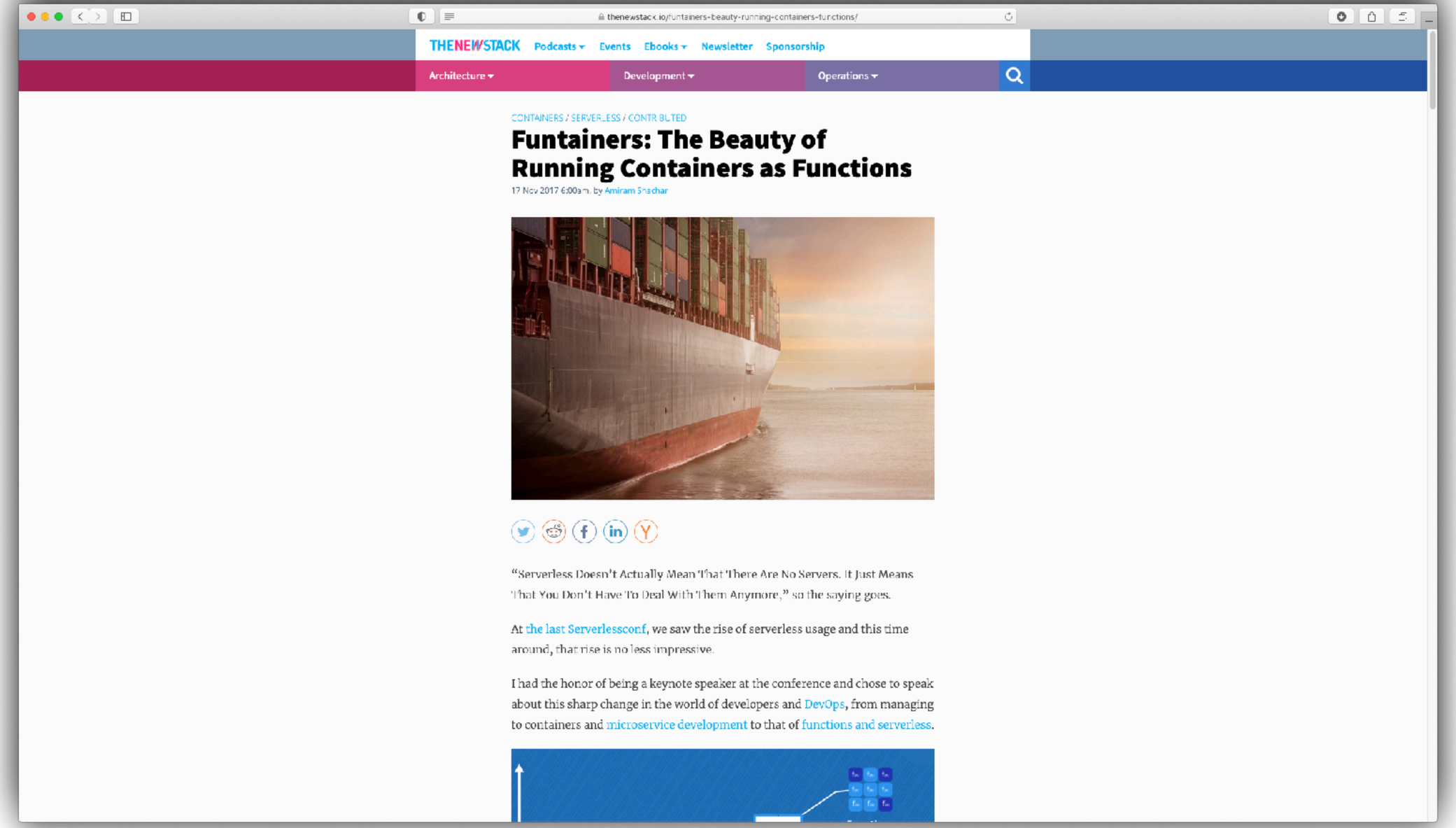
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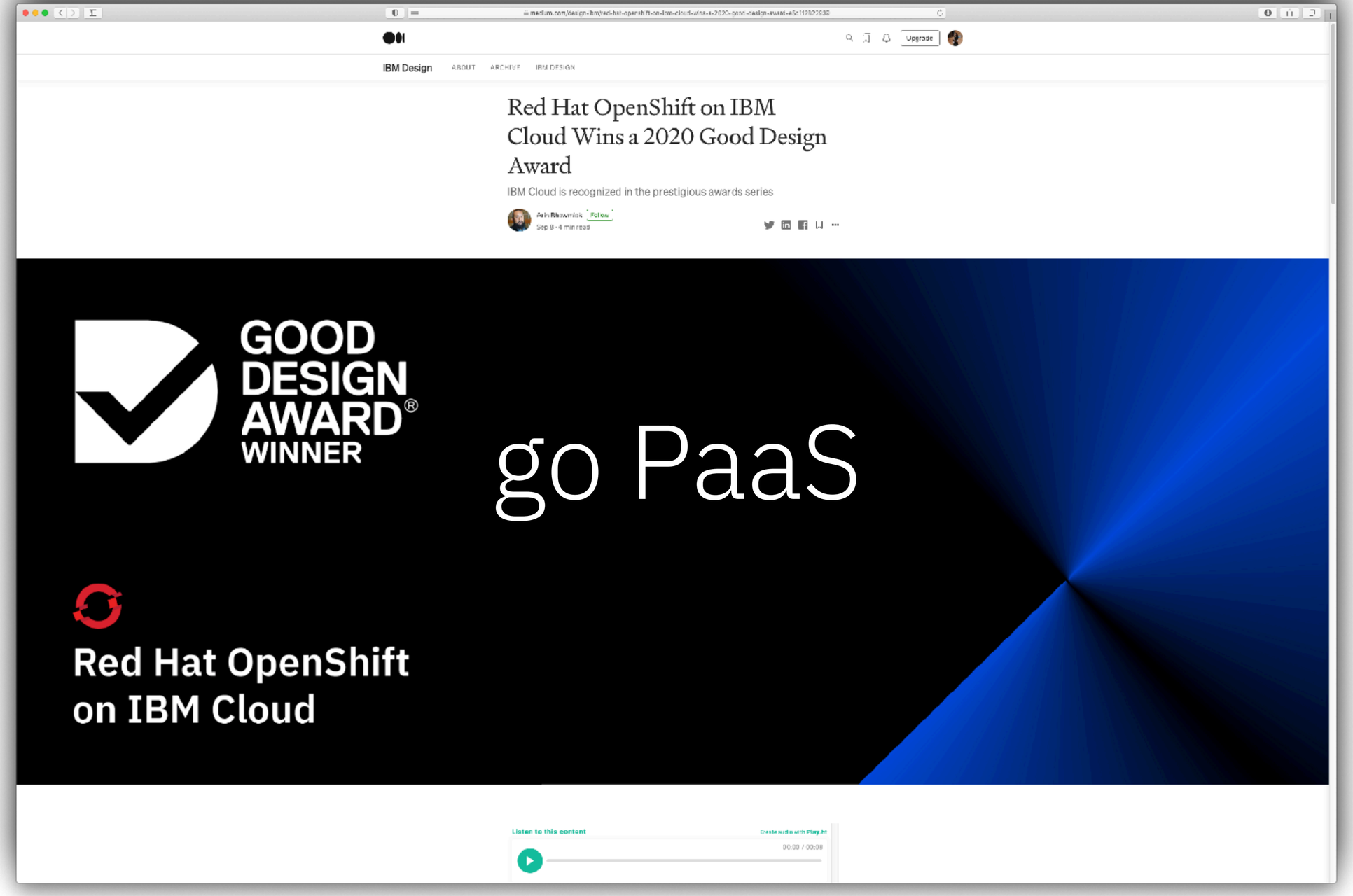
Funtainers: The Beauty of Running Containers as Functions
17 Nov 2017 6:00am, by Amiram Shachar
"Serverless Doesn't Actually Mean That There Are No Servers. It Just Means That You Don't Have To Deal With Them Anymore," so the saying goes.
At the last Serverlessconf, we saw the rise of serverless usage and this time around, that rise is no less impressive.
I had the honor of being a keynote speaker at the conference and chose to speak about this sharp change in the world of developers and DevOps, from managing to containers and microservice development to that of functions and serverless.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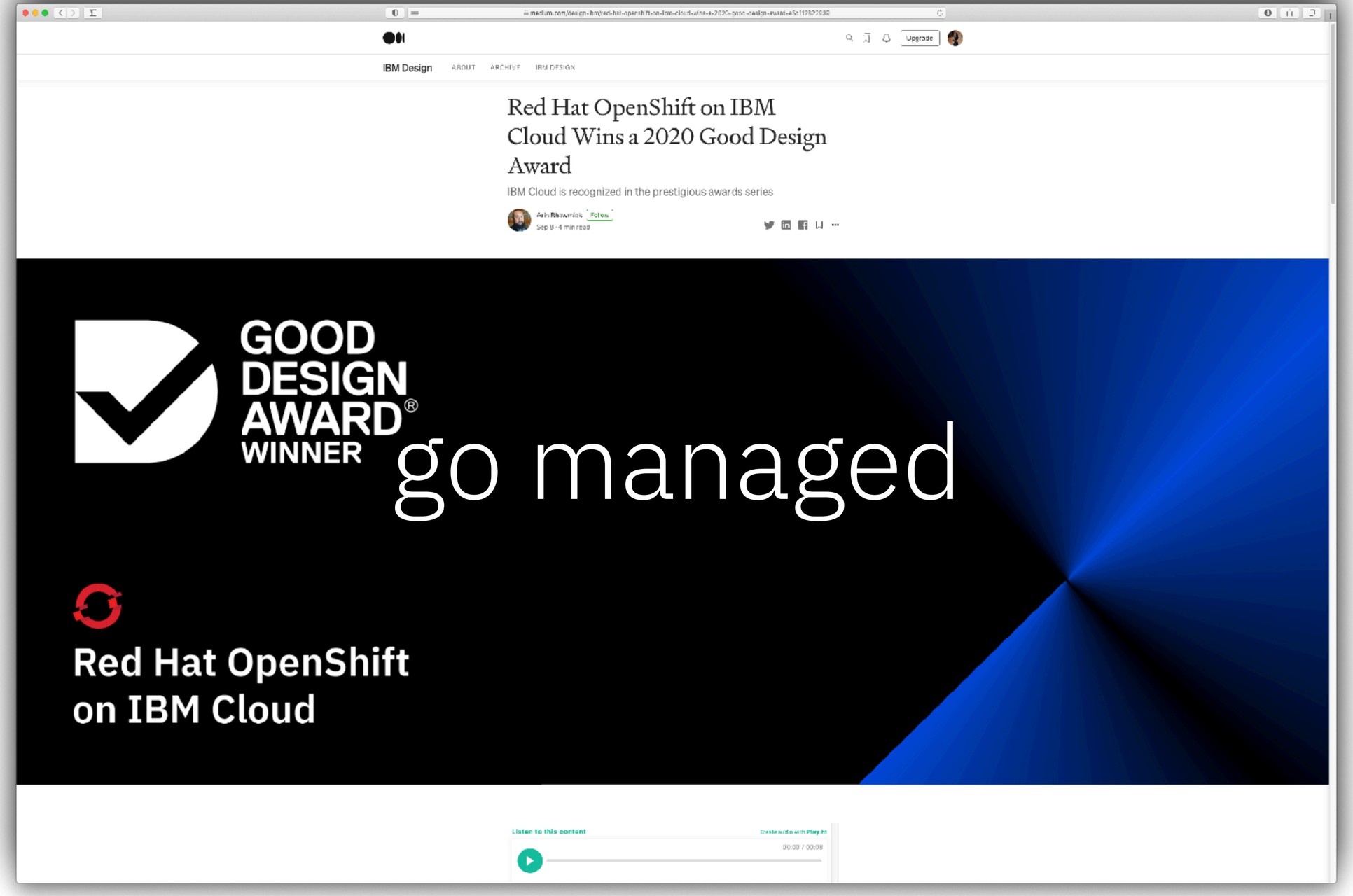
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friction is mostly **not** about
the products and tools

make the easiest thing to
do the **right** thing to do

three economies

resolve a tension by finding a mutual win

DevSecOps

judge, judge, judge ...

judge, judge, judge ...

are you doing it **wrong**?

judge, judge, judge ...

are you doing it **wrong**?

it’s ok if it’s not all-fun-all-the-time

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some platforms are kind of hard

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are you doing it **wrong**?

it’s ok if it’s not all-fun-all-the-time

some platforms are kind of hard
process change is hard

judge, judge, judge ...

are you doing it **wrong**?

it’s ok if it’s not all-fun-all-the-time

some platforms are kind of hard
process change is hard
people are hard!

thank you

have fun at the rest of the conference :)

@holly_cummins
IBM **Garage**

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