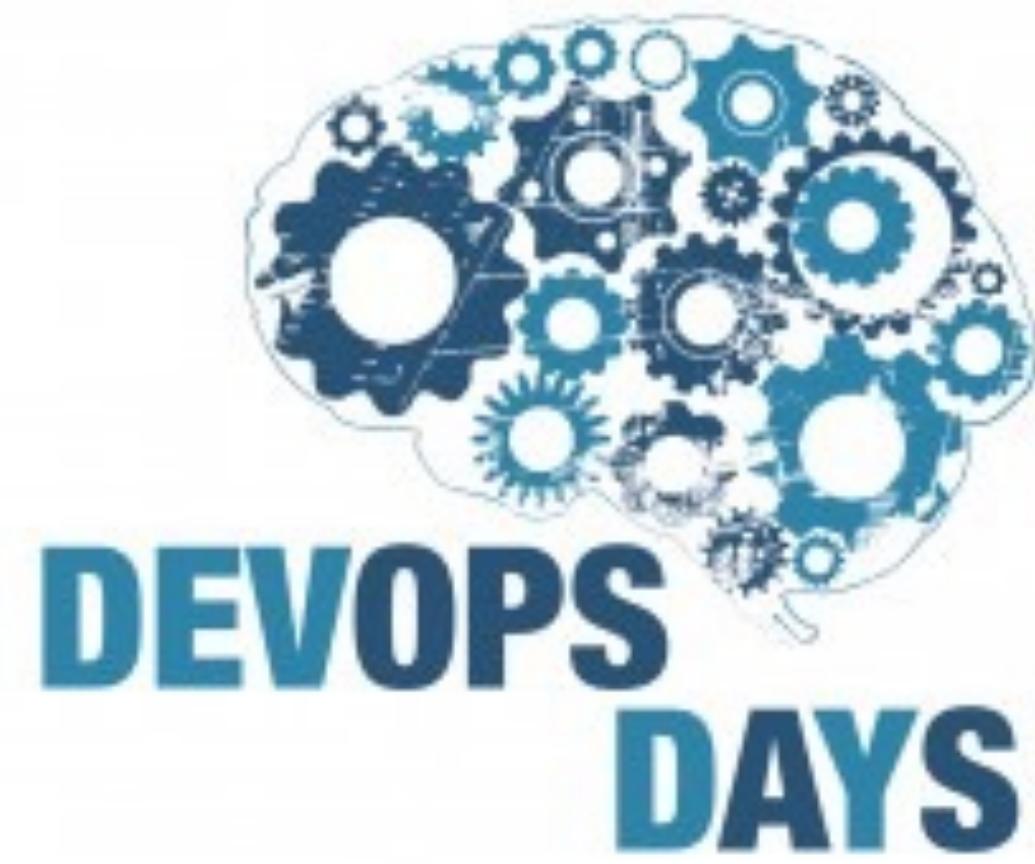
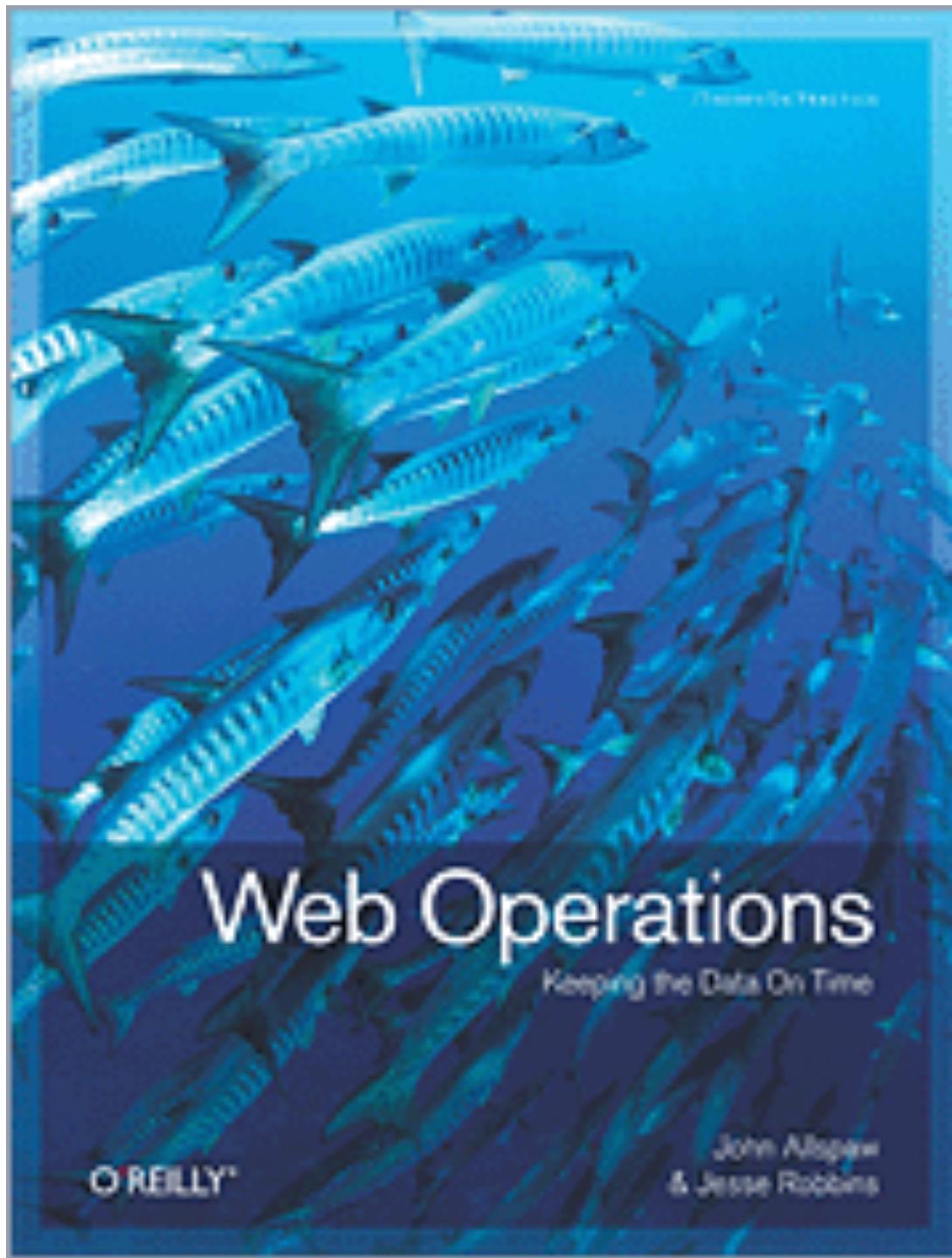
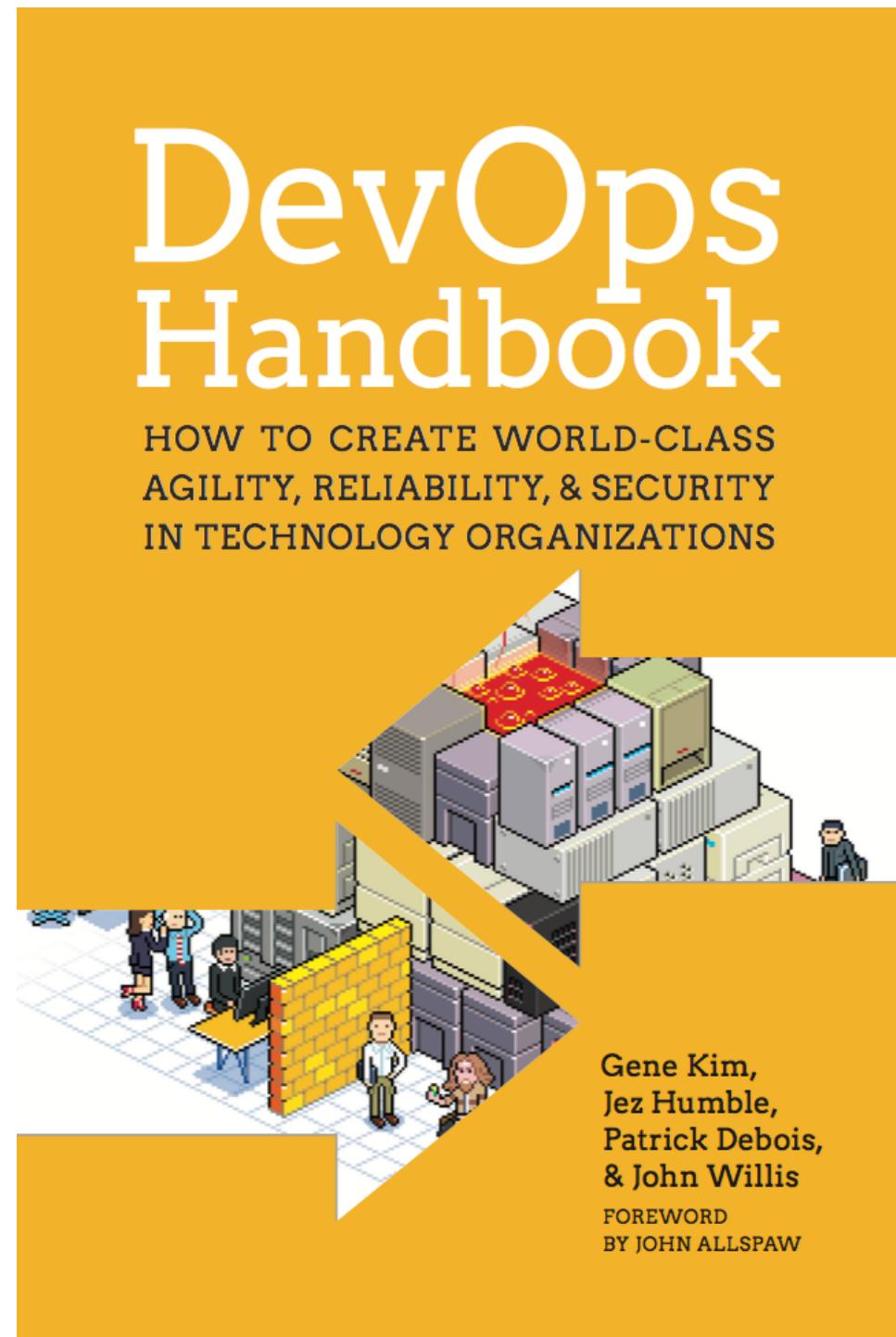


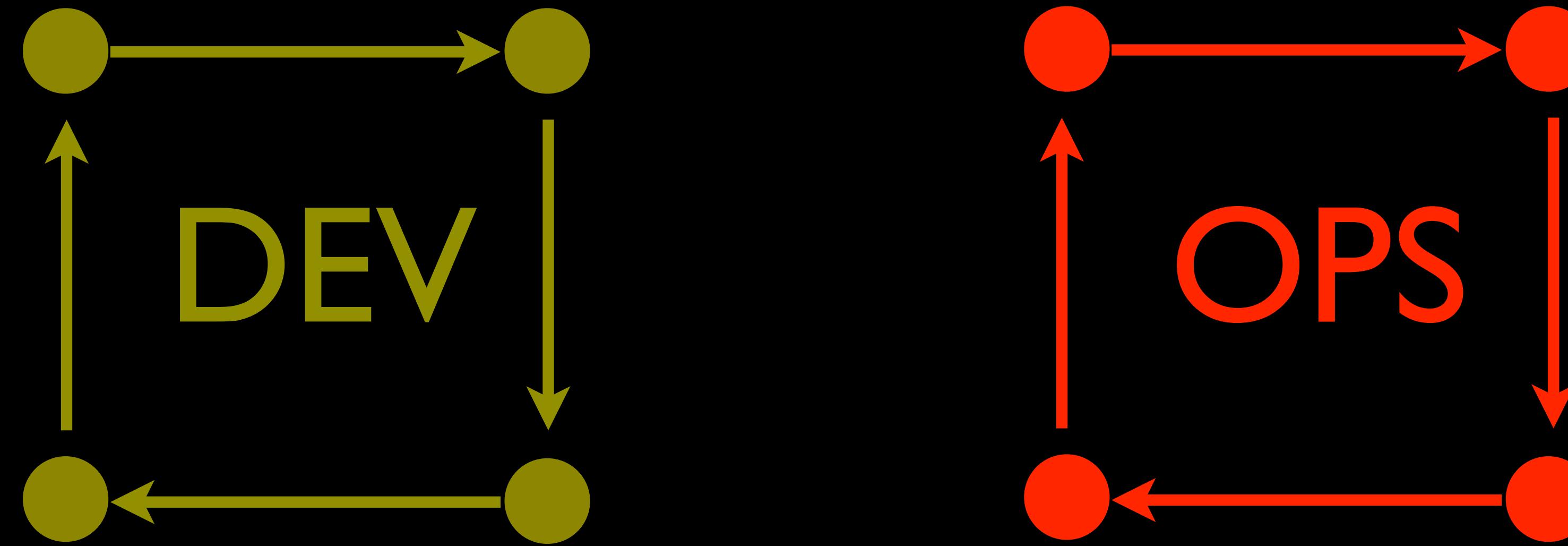
***HOW THE PRACTICES OF  
DEVOPS ARE EVOLVING***  
*from servers to services*

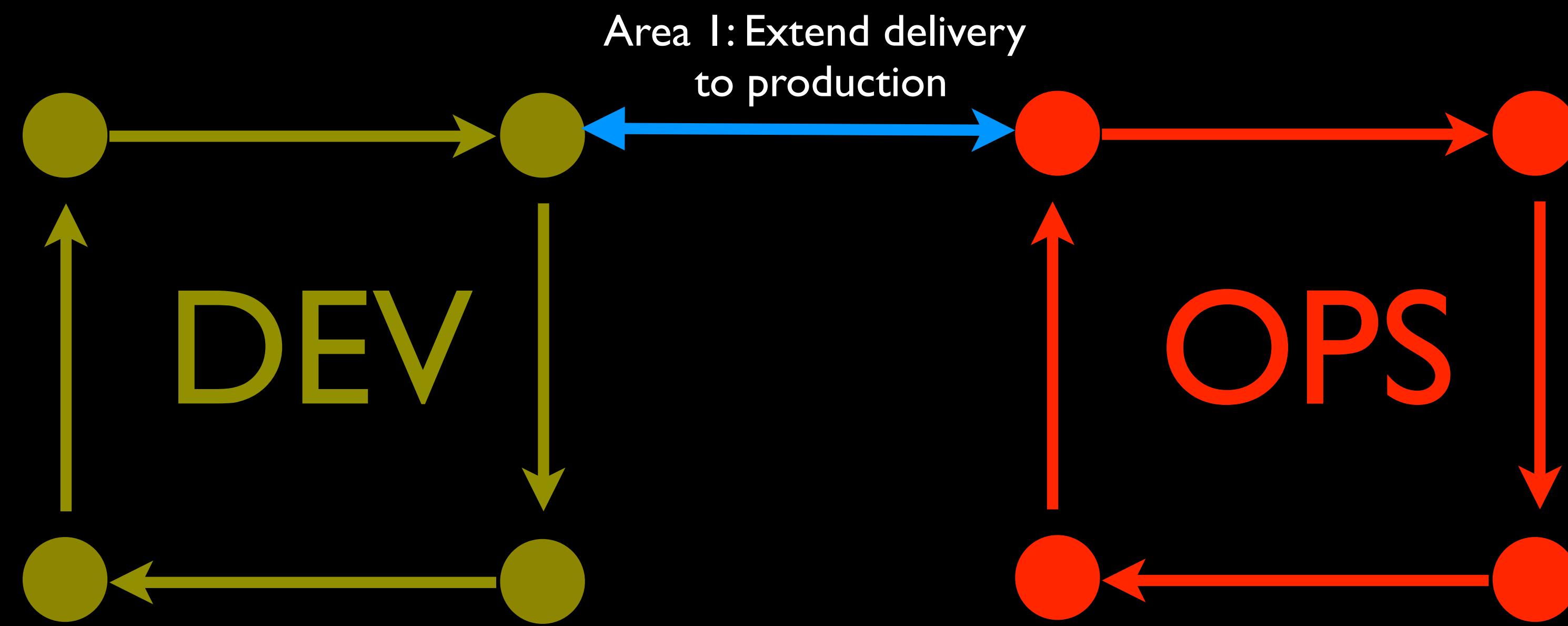
@patrickdebois  
- Small Town Heroes

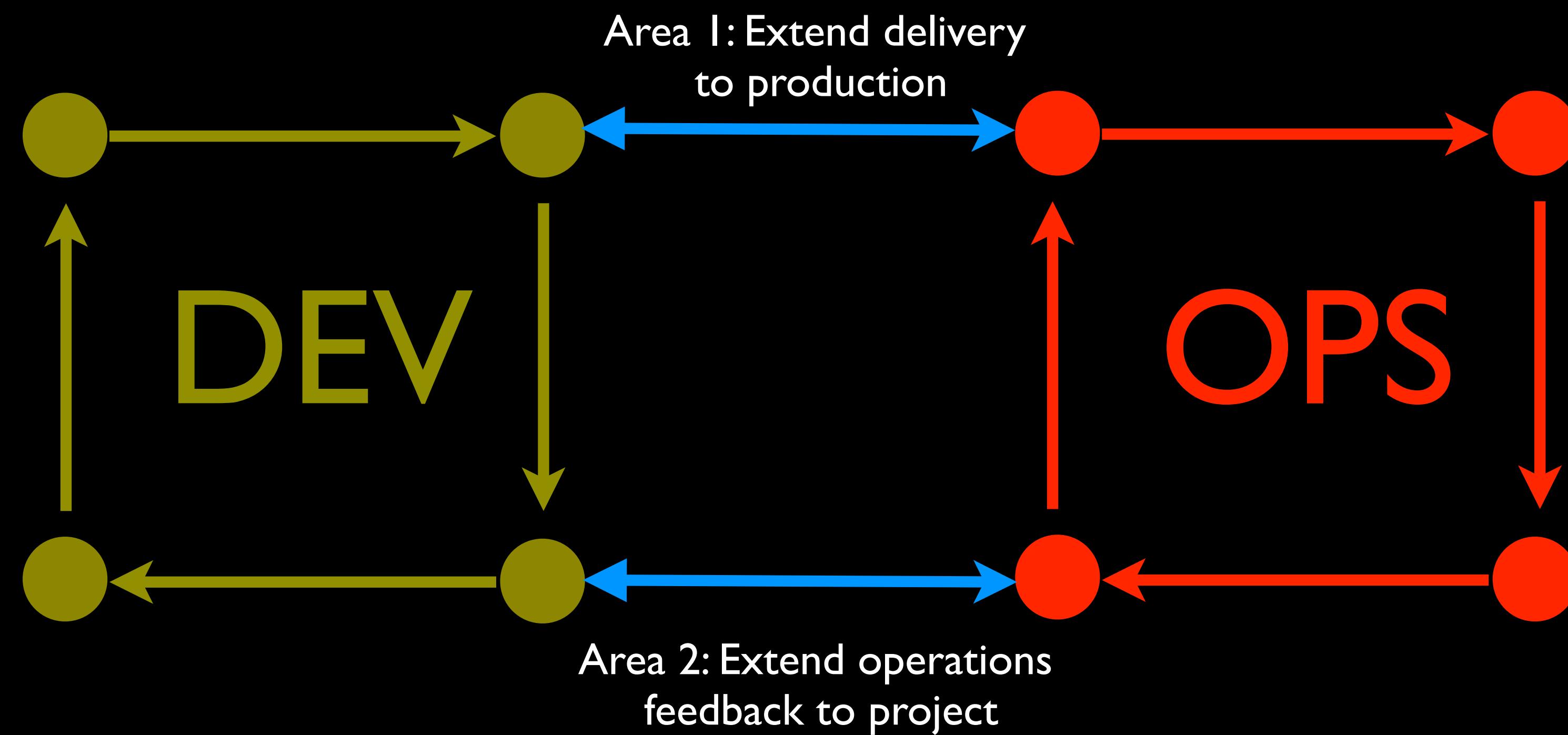
# Things I did (I'm proud of)

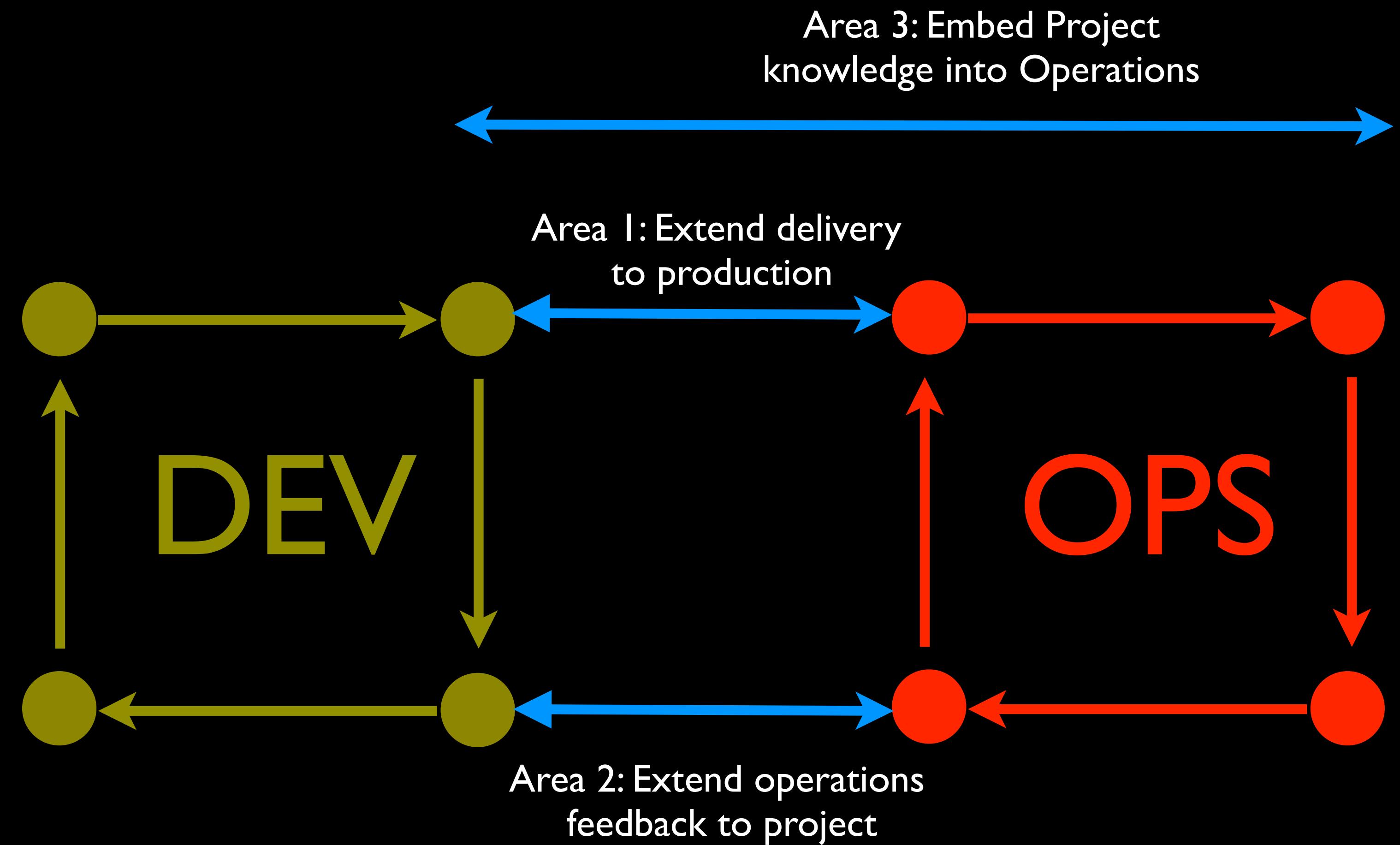


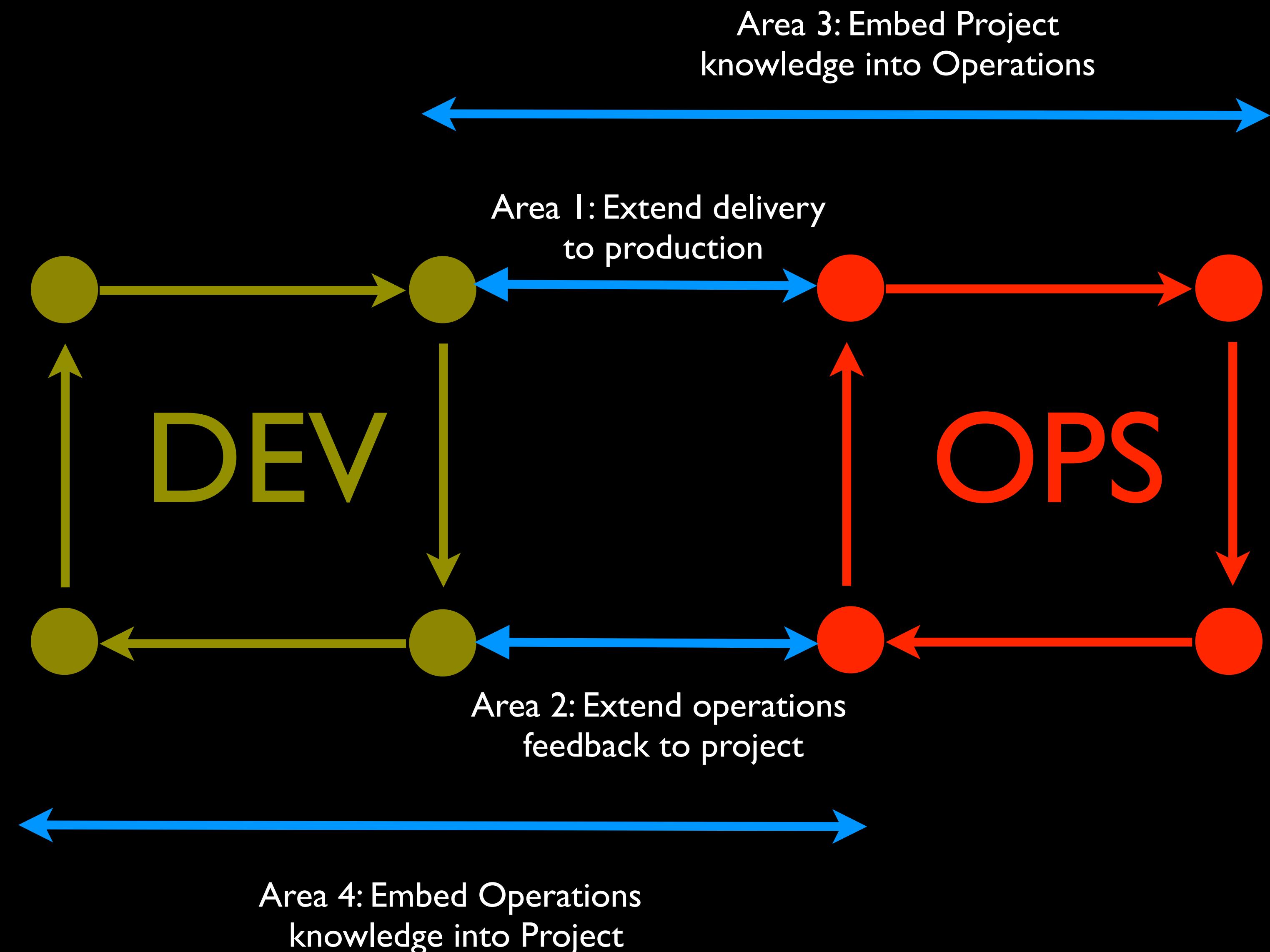
## 4 areas of improvement

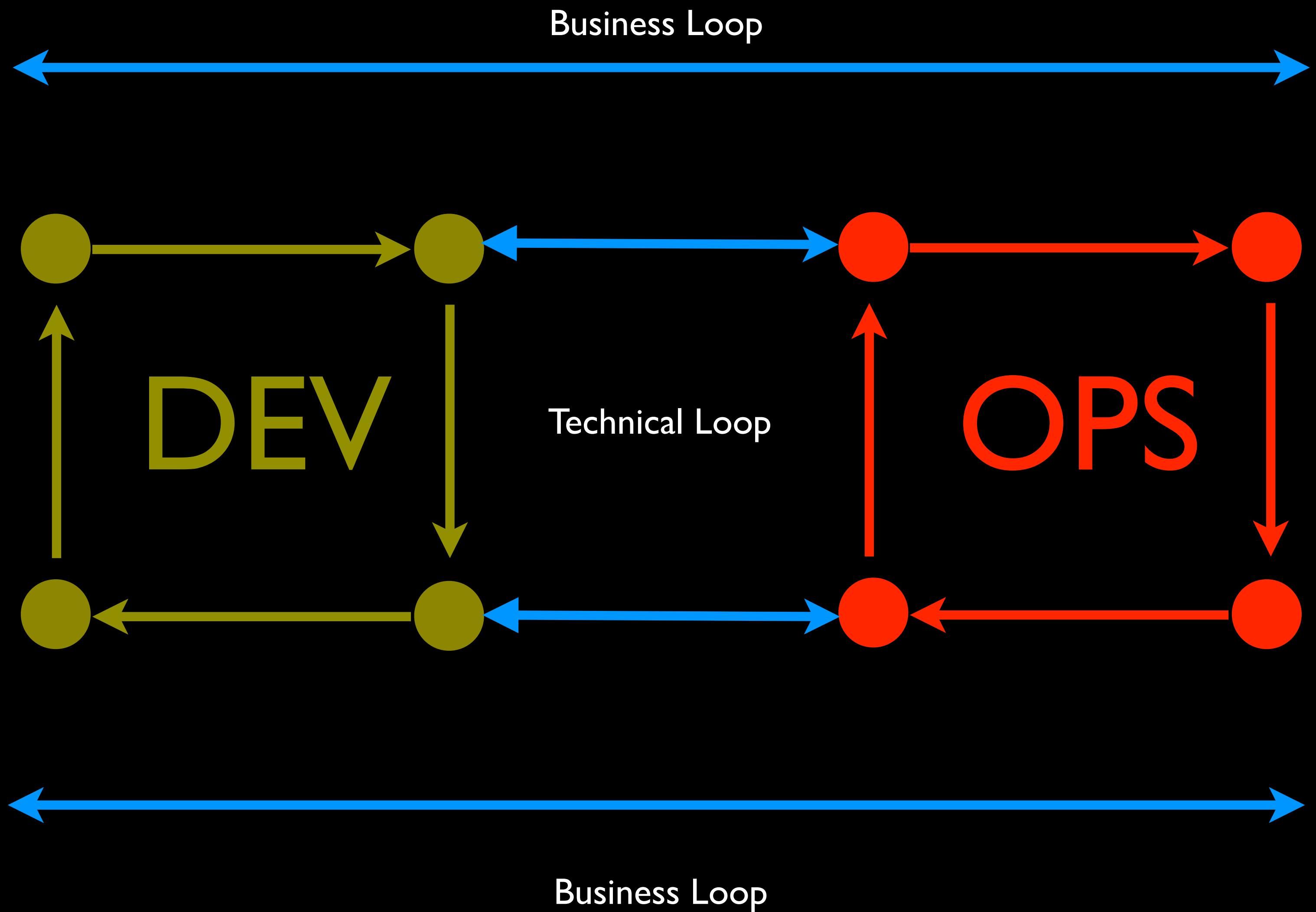












# Small Town HEROES



INTERACTION  
PART OF THE SHOW



LIVE RESULTS

STUDIO CONTROL



APP   STUDIO   RESULTS

Wie gaat er met Klaas aan het schrikdraad? (3906)

USE LIVE   USE BACKUP

	JETSKE	PEPIJN	STIJN
Live	44%	32%	24%
Backup	32%	44%	24%



Focus on the Business

## Our “Office” services



## “Community” services



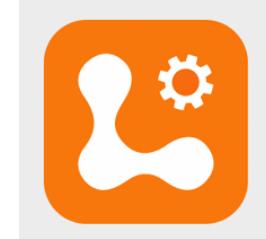
Network  
Time  
Protocol



## “Frontend” services



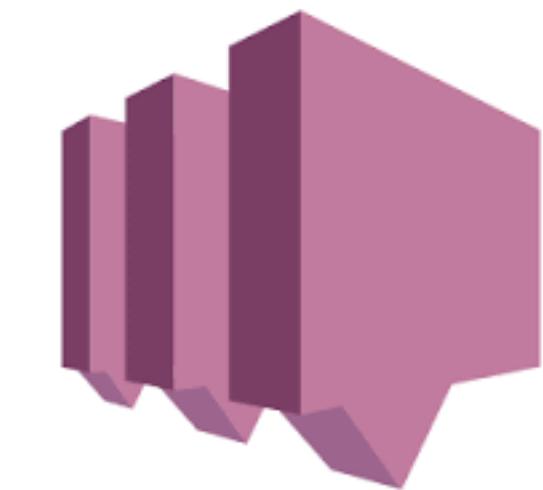
## “IT support” services



## “Backend” services



## “Mobile” services



SNS/Push



Cognito



Google play



(almost)  
NO SERVERS





A bit further down the rabbit hole ...



**Jonathan Clarke**  
@jooooooooon42



Following

GitHub's broken. Everyone take the afternoon off.

LIKE

1



5:27 PM - 23 May 2016



...



Reply to @jooooooooon42



**Joël Vimenet** @joelvim · 2h  
@jooooooooon42 switch to SVN :P



...



**Jonathan Clarke** @jooooooooon42 · 29m  
@joelvim Hah. Give me SVN with distributed repos, branch merges and a nice pull request system, and sure :p



...

service not available

undocumented changes

## What Does “Install Code Signing Credentials” Do?

The “Install Code Signing Credentials” step of OSX builds is where we prepare the container for code-signing before your builds runs.

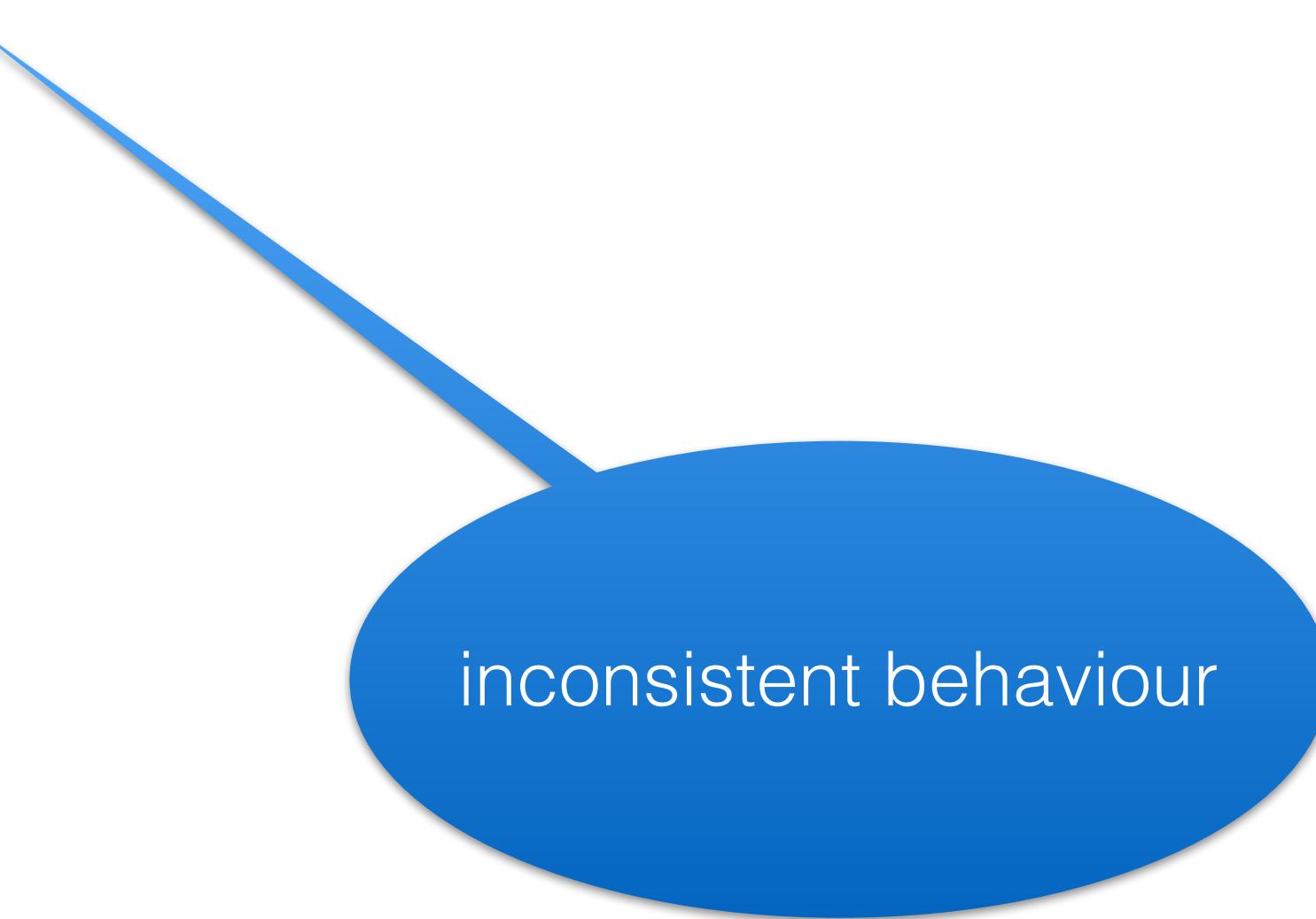
1. We create a new keychain called `circle.keychain` with password `circle`. We unlock this keychain and add it to the system search path so Xcode can access it.
2. We install any P12 certificates that you have uploaded in project settings to `circle.keychain`
3. We look through your repo and find any provisioning profiles you have. We copy any profiles to `~/Library/MobileDevice/Provisioning Profiles`, and we add any certificates in the provisioning profiles to `circle.keychain` (the public key in the provisioning profile should match the private key in the P12 file).
4. We call `security find-identity -p codesigning` to list the keychains in the build output.

## Summary (as of 2016/05/13):

- Affected Nodejs versions reported: 4.1.2, 4.2.1, 4.2.3, 5.2.0, 5.4.0
  - Versions statically linked to OpenSSL 1.0.2
- Unaffected Nodejs versions reported: 0.12.0, 0.12.9
  - Versions statically linked to OpenSSL 1.0.1
- First reported US-EAST: Mon Dec 28 2015 21:01:05 GMT+0000 (UTC)
- First reported US-WEST: [1/28 at 5:37pm pacific](#)
- Error rate: approx five second window
- Mitigation:
  - i. [Set connection keepAlive](#)
    - See [@rma4ok's comment](#) about usage on AWS Lambda
  - ii. [secureProtocol TLSv1\\_method](#)
- Status: Awaiting upstream fixes
  - [#862 \(comment\)](#)
  - [#862 \(comment\)](#)

Edit: potential keepAlive errors noted.

Edit: Removed untested status, see [@southpolesteve's comment](#)



```
new AWS.DynamoDB({
  httpOptions: {
    agent: new https.Agent({
      rejectUnauthorized: true,
      keepAlive: true,           // workaround part i.
                                // shouldn't be used in AWS Lambda f
      secureProtocol: "TLSv1_method", // workaround part ii.
      ciphers: "ALL"              // workaround part ii.
    })
  }
})
```

[Code](#)[Revisions 1](#)[Stars 5](#)[Forks 1](#)[Embed](#) ▾[`<script src="https://gist`](#)[Download ZIP](#)

AWS ELB pre-warming questions. These questions are designed to help you understand your application's different behaviour under load.

under load

These questions (and their answers) were provided by AWS support on 2013-11-26; I've edited them slightly for clarity.

## [AWS ELB pre-warming questions](#)

[Raw](#)

- 1 0. What is the name of the ELB which needs to be pre-warmed?
  - 2 a. e.g. `yourwebapp-yourcompany-123456789.us-east-1.elb.amazonaws.com`
- 3
- 4 1. What is the approximate increase percentage in traffic, or expected requests/sec that will go through the load balancer (whichever is easier)?
  - 5 a. e.g. 3,500 per second
- 6
- 7 2. Do you know the average amount of data passing through the ELB per request/response pair?
  - 8 a. e.g. Roughly 250KB.
- 9
- 10 3. Expected percent of traffic going through the ELB that will be using SSL termination?
  - 11 a. e.g. 25% - 33%
- 12
- 13 4. Is the back-end currently scaled to the level it will be during the event?
  - 14 -- If not, when do you expect to add the required back-end instance count? Also what type of instance and how many?
  - 15 a. e.g. No. We will have 20 `mx.2xlarge`. Wednesday Nov 27th noon EST.
- 16
- 17 5. When do you expect the event will end?
  - 18 a. Tuesday Dec 3 noon EST.



# Less Maintenance



A woman is driving a car, her mouth wide open in excitement. She has her hands raised, palms facing forward, as if she's reaching for something or expressing a sense of speed. Her eyes are focused on the road ahead. The car's interior is visible, including the steering wheel and dashboard. The background through the windshield shows a blurred landscape, indicating motion.

More speed



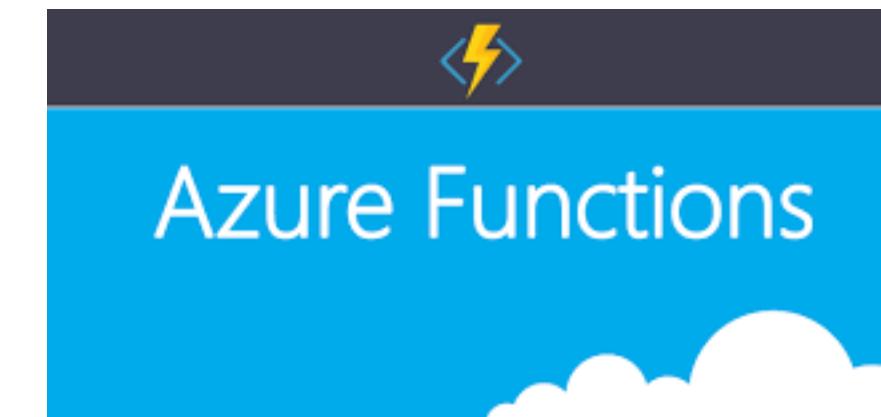
With increased risk

# Functions As a Service (FaaS) aka “serverless”



**CLOUD FUNCTIONS**

Create small, single-purpose functions  
that respond to events in the cloud



# Case1

## Generate “personalised” image

The grid displays 10 cards, each representing a personalized image generated from a template. The cards are arranged in two rows of five. The top row features a purple background for the first card and a yellow/sunset background for the others. The bottom row features a teal background for the first card and a blue/sky background for the others.

- Card 1 (Top Left):** Purple background. Text: "THE PASSION", "MENU", "Donderdag 24 maart om 20u35 live op NPO1", social media icons (Facebook, Twitter, Instagram, YouTube), and "#TP16".
- Card 2 (Top Middle):** Yellow background. Text: "IK LOOP MEE omdat GELEDEN NIET MEER KON LOOPEN DOOR EEN TUMOR IN MIJN RUG EN NU AL 7 JAAR SCHOON BEN EN ...", "CORINE PASSION".
- Card 3 (Top Middle):** Yellow background. Text: "IK LOOP MEE omdat JEZUS LICHT BRENGT IN EEN DONKERE WERELD: LIEFDE EN VERGEVING OVERWINNEN. ...", "LISE PASSION".
- Card 4 (Top Middle):** Yellow background. Text: "IK LOOP MEE omdat NOoit IS ER EEN BETER MOMENT VOOR MIJ OM SAMEN MET VELE ANDEREN MEE TE LOOPEN EN MEE TE LIJDEN MET ...", "HENk PENNINGS PASSION".
- Card 5 (Top Right):** Yellow background. Text: "IK LOOP MEE omdat MOOI HOOR!", "Small Town HEROES".
- Card 6 (Bottom Left):** Teal background. Text: "1 4 5 1 6 8 MENSEN LOOPEN ONLINE MEE", "Sluit je virtueel aan en ondersteun het verhaal van The Passion.", "IK LOOP ONLINE MEE".
- Card 7 (Bottom Middle):** Blue background. Text: "IK LOOP MEE omdat IK LOOP MEE OMDAT HET ECHT HET VERHAAL VAN HOOP OP EEN BETERE WERELD IS", "JAN HOEDELMANS PASSION".
- Card 8 (Bottom Middle):** Yellow background. Text: "IK LOOP MEE omdat UIT ENORM LIJDEN VANUIT EEN ZUIVER HART DE VASTBERADENHEID IS ONTSTAAN VOOR EEN NIEUW LEVEN", "CLARA BAARDMAN PASSION".
- Card 9 (Bottom Middle):** Dark background. Text: "IK LOOP MEE OMDAT NEVER FORGET BRUSSEL 22-3-2016", "WIETZE BRAEM PASSION".
- Card 10 (Bottom Right):** Blue background. Text: "ik loop mee omdat IK KIJK HET EEN BEETJE LAAT MAAR MIJ GROOTSE DROOM IS OP DE THE PASSION SPEL SAXOFOON OMDAT IK EEN BEST WEL emmely PASSION".

Browser -> Pre-signed S3 -> Lambda -> SQS -> Redis



## Case2

### Animated gif/movie/meme editor



API GW -> Lambda -> Img magic movie -> s3



**patrickdebois**

@patrickdebois

## What makes #serverless different for you ?

**26%** No worries about servers

**17%** Per request billing

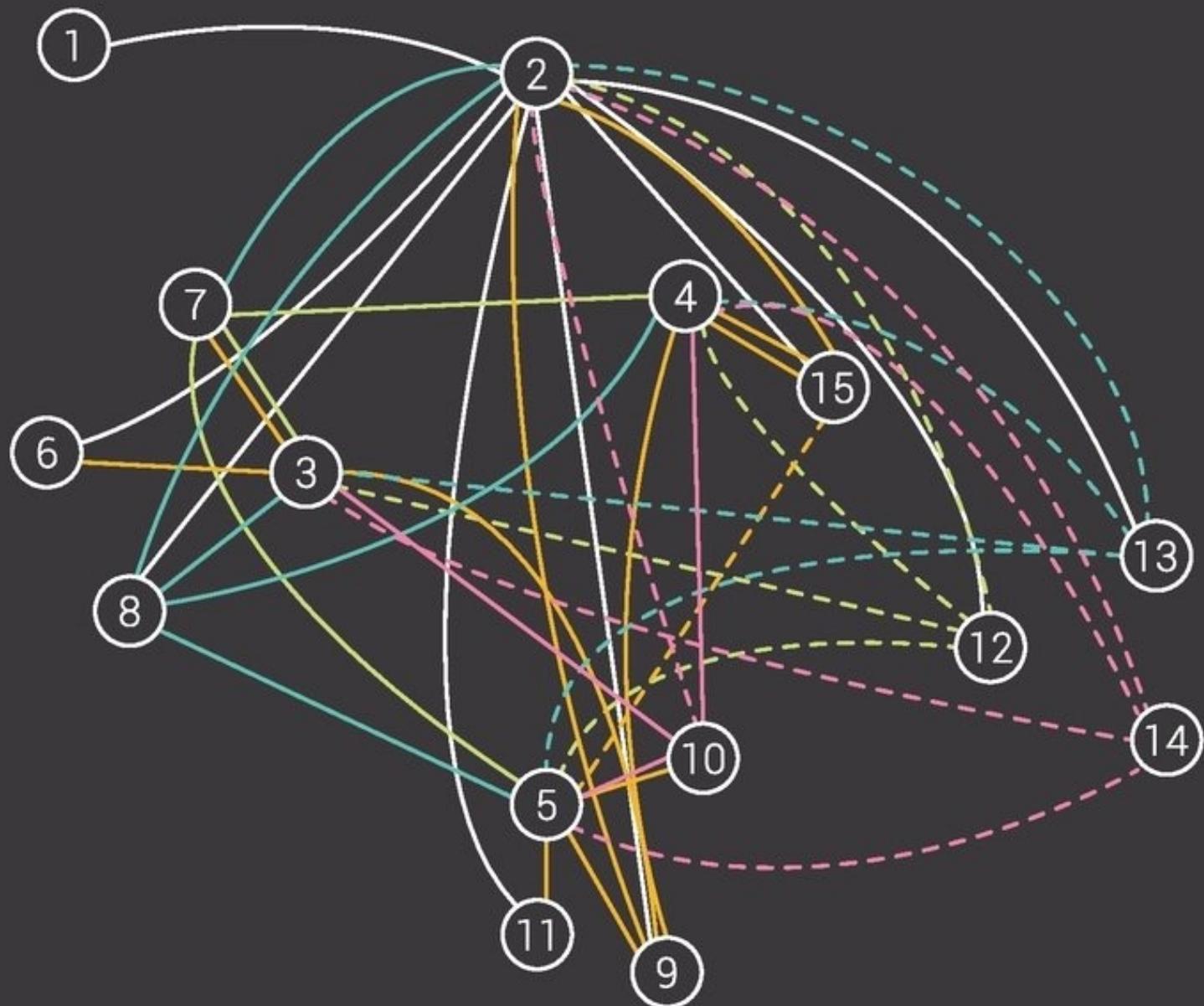
**18%** Instant parallel capacity

**39%** function as deploy unit

185 votes • Final results

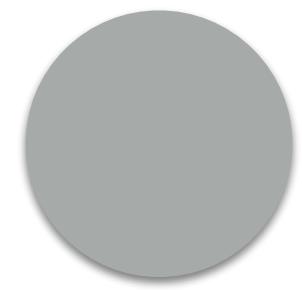
# Promise Theory

## Principles and Applications

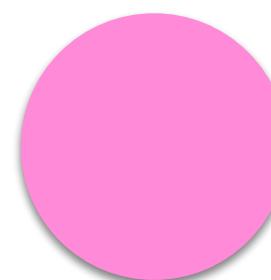
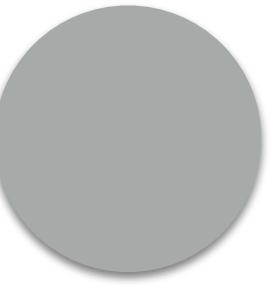


Jan A. Bergstra and Mark Burgess

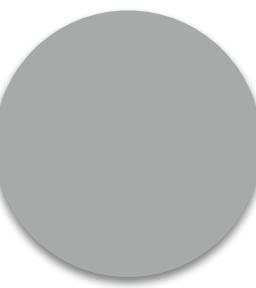
You are an **Agent**



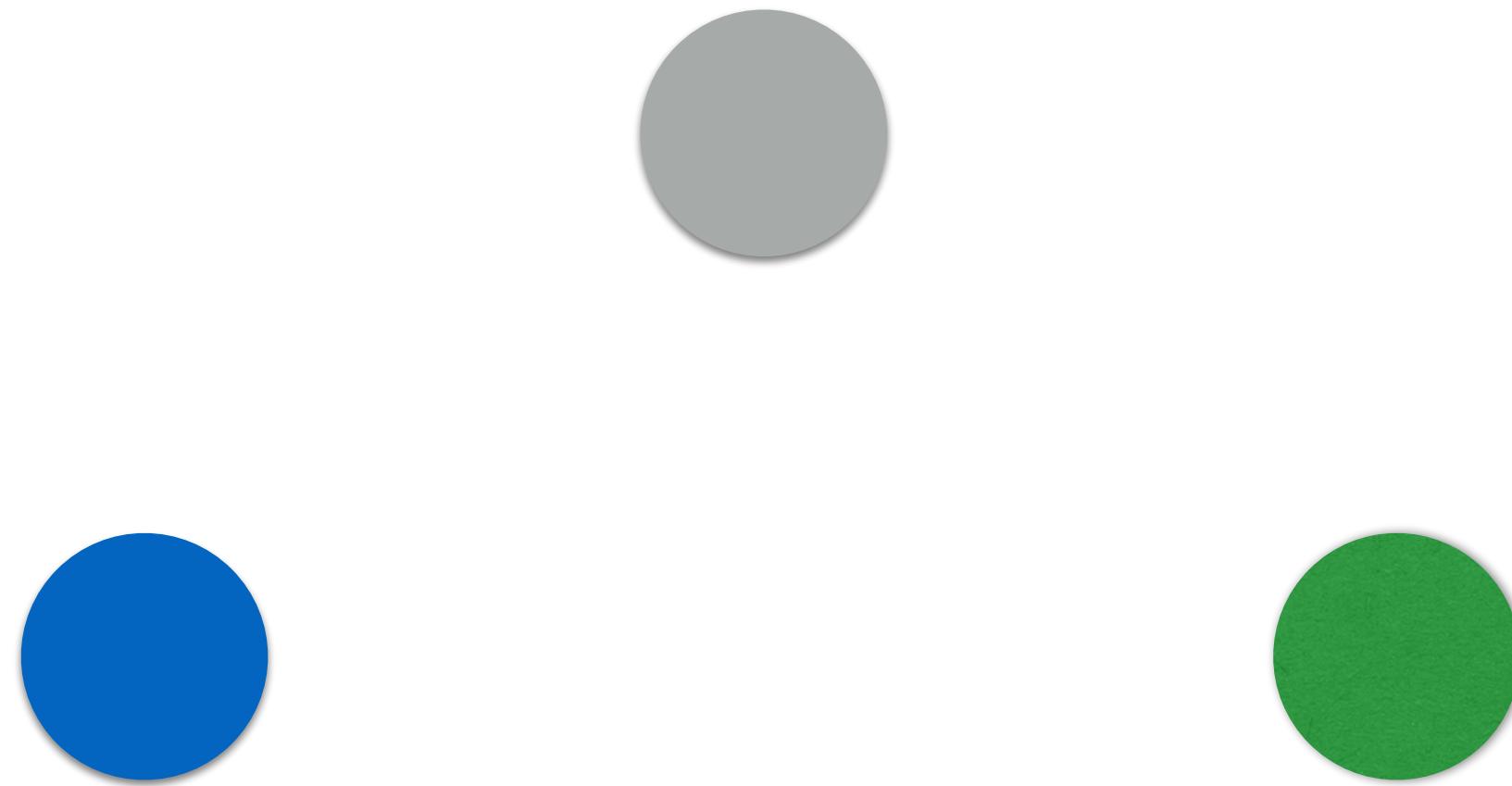
You make **promises** to others in the **system**



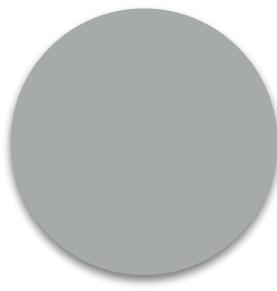
Your promises should be **verifiable**



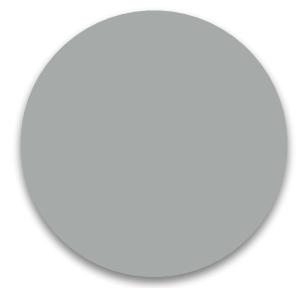
A promise does **not guarantee an outcome**



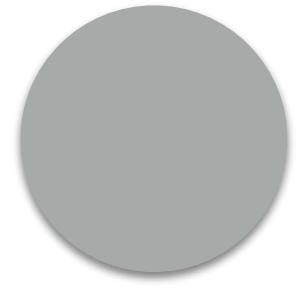
**Conditions** should be part of your promise



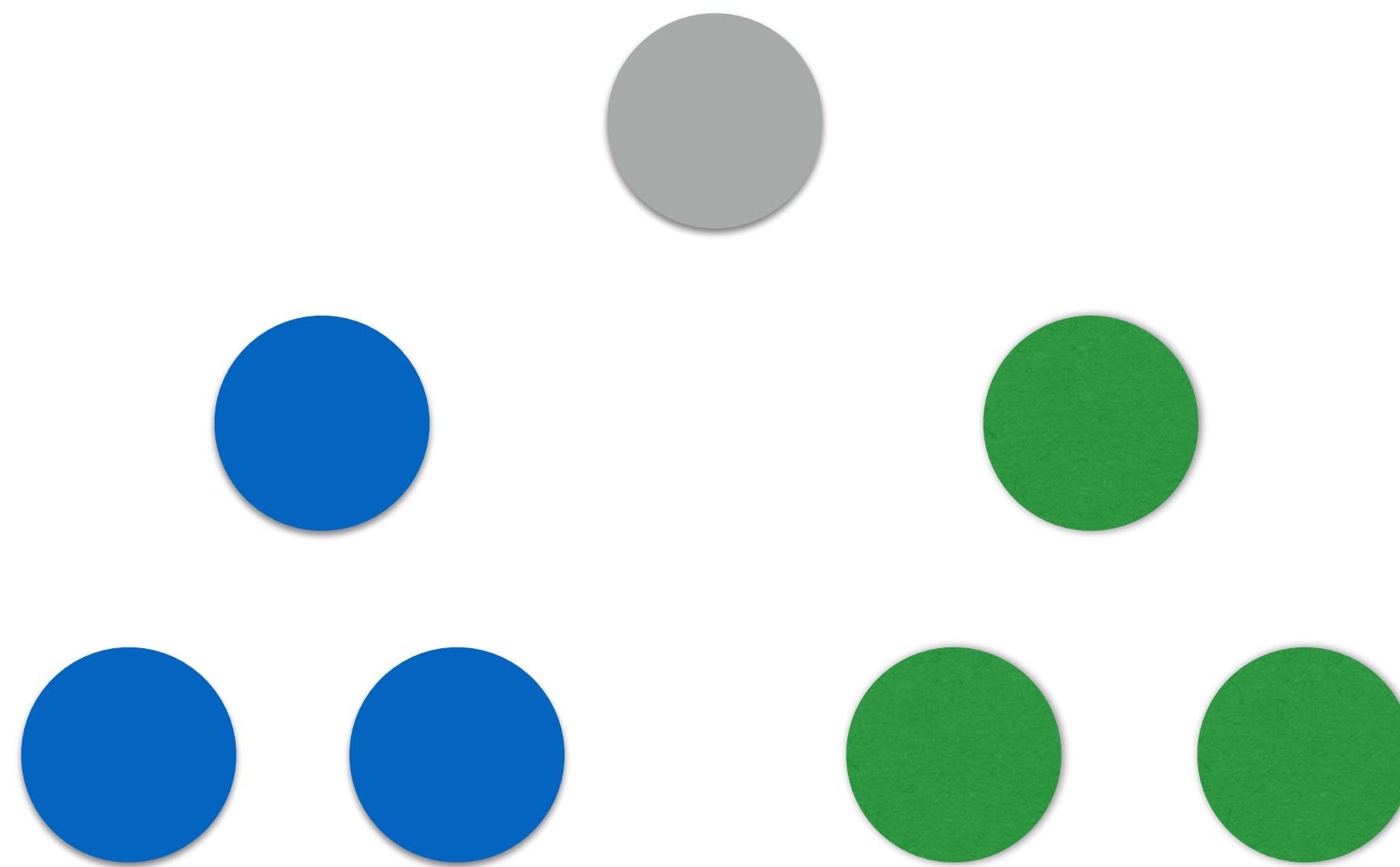
It needs to be **clearly documented**  
otherwise it's not a promise



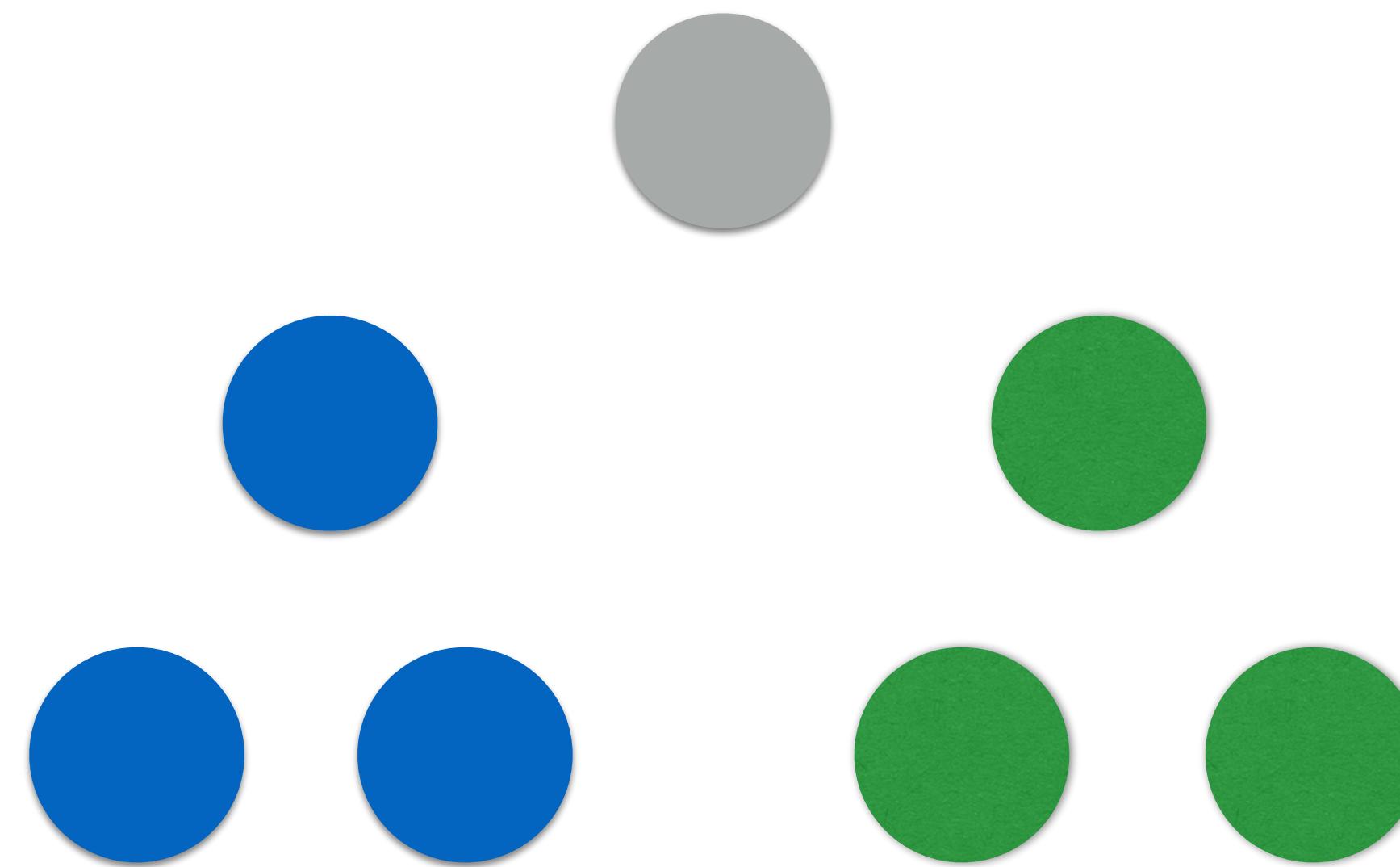
It needs to be **mutually agreed (not obligation)**  
otherwise it's not a promise



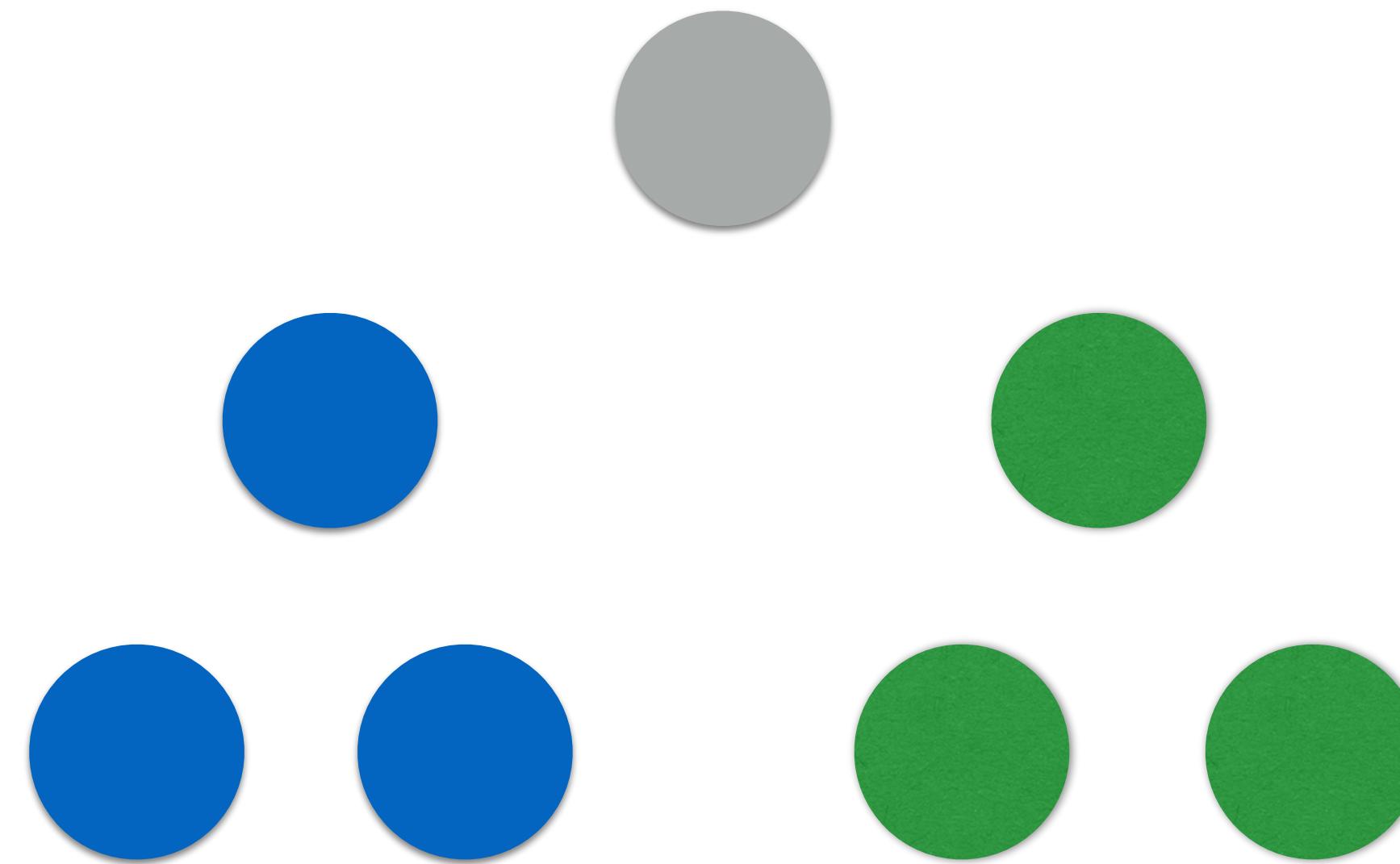
You might **depend** on other agents to keep your promises



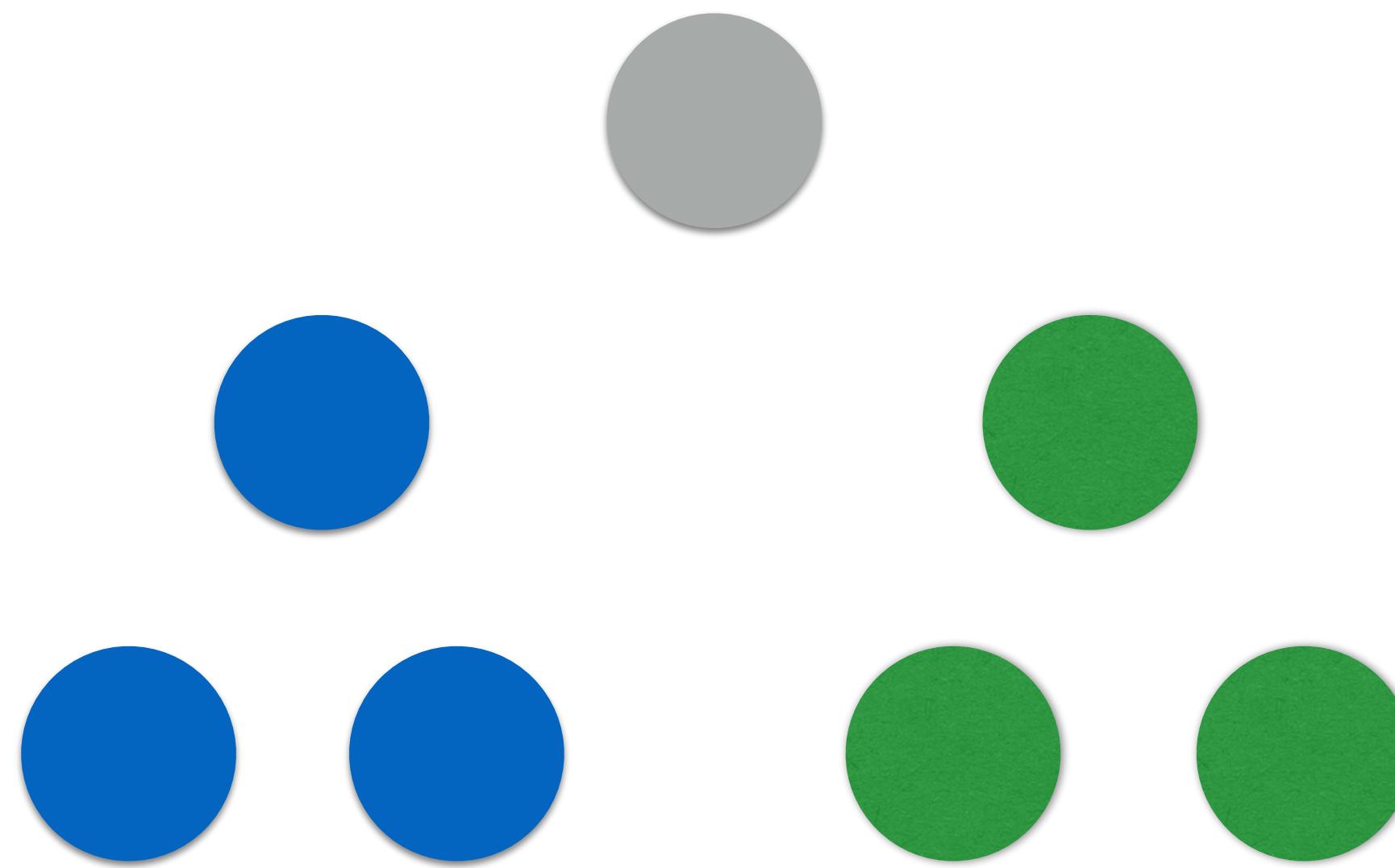
Other agents make promises **to you**



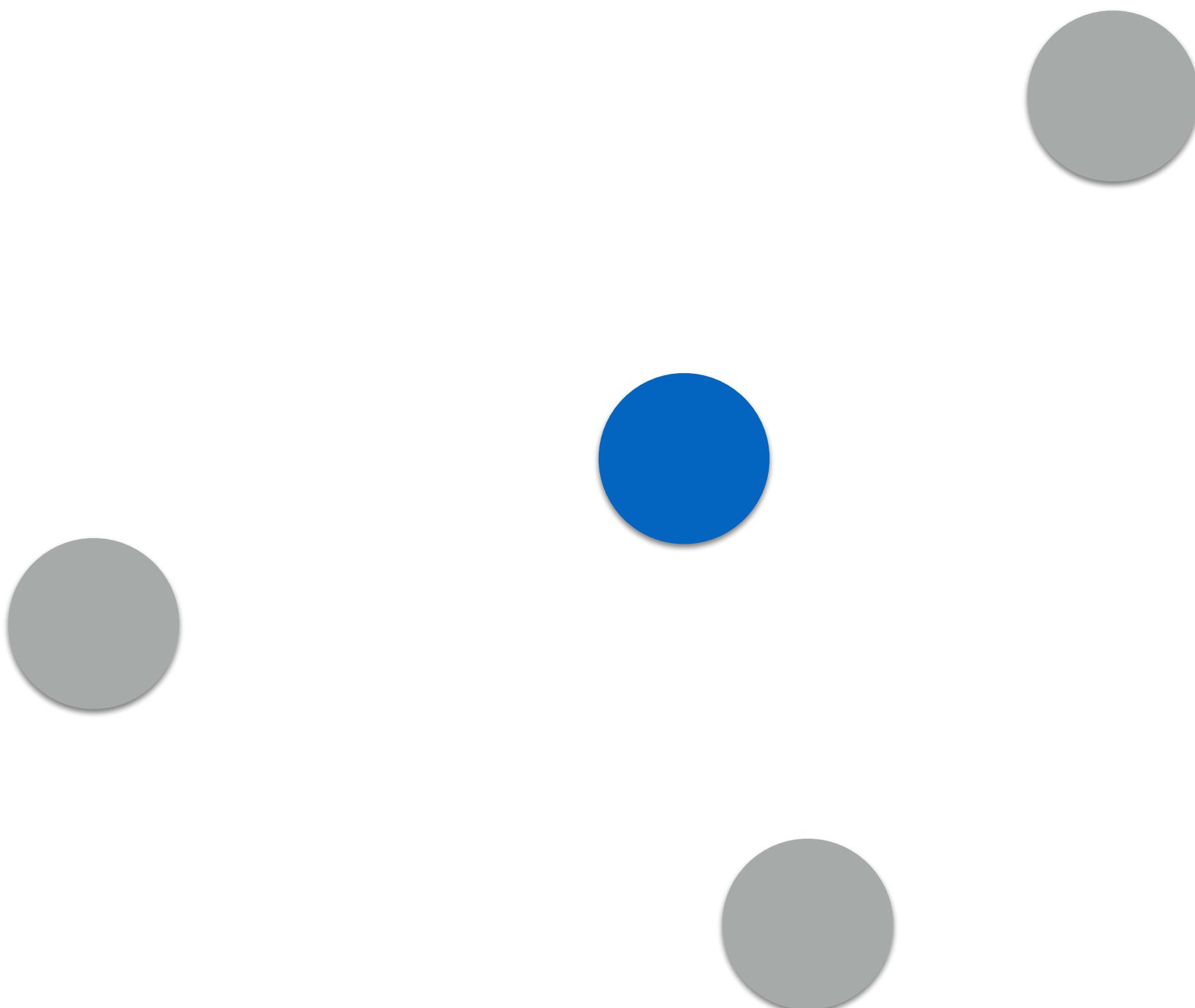
**Their promises need to be **verifiable**  
clearly documented & mutually agreed (not obligation)**



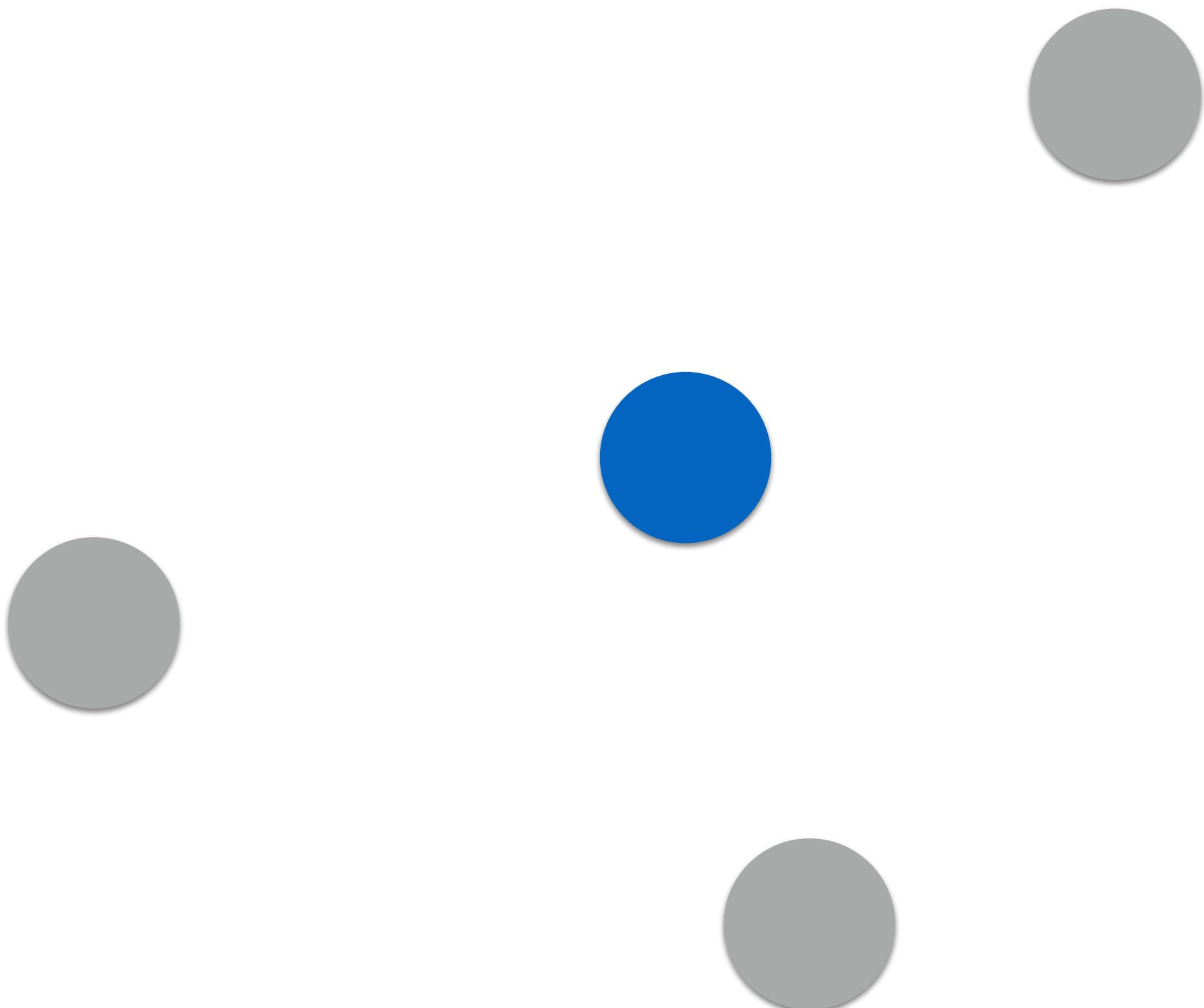
But you can **not** make promises on behalf of other agents  
(bottom up vs top down)



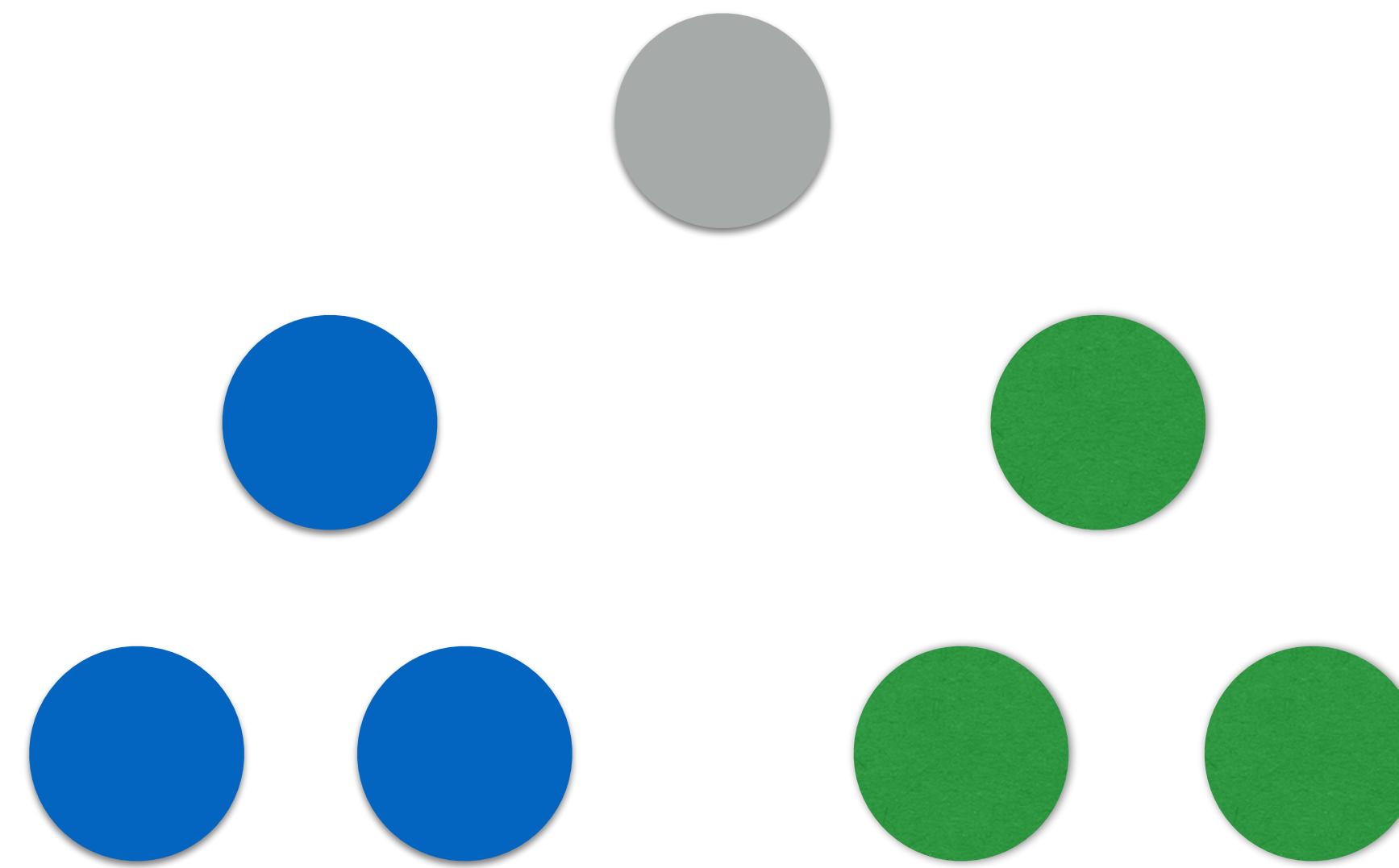
Promises can be **conflicting** in a system



but the **conflict** can only be from **internal** promises  
(as we can not be responsible for others promises)



To keep a promise you should have a **choice**  
Push vs Pull



To create choice you need to **eliminate** the single leaves (SPOF)



All problems in computer science  
can be solved by  
**another level of abstraction**

... except for the problem of  
**too many layers of indirection** ...

David Wheeler (inventor of subroutine)



**patrickdebois**

@patrickdebois

microservices - the code needs to fit in the dev's head - but will the deployment/architecture still fit in ops head?

---

RETWEETS

**59**

LIKES

**53**



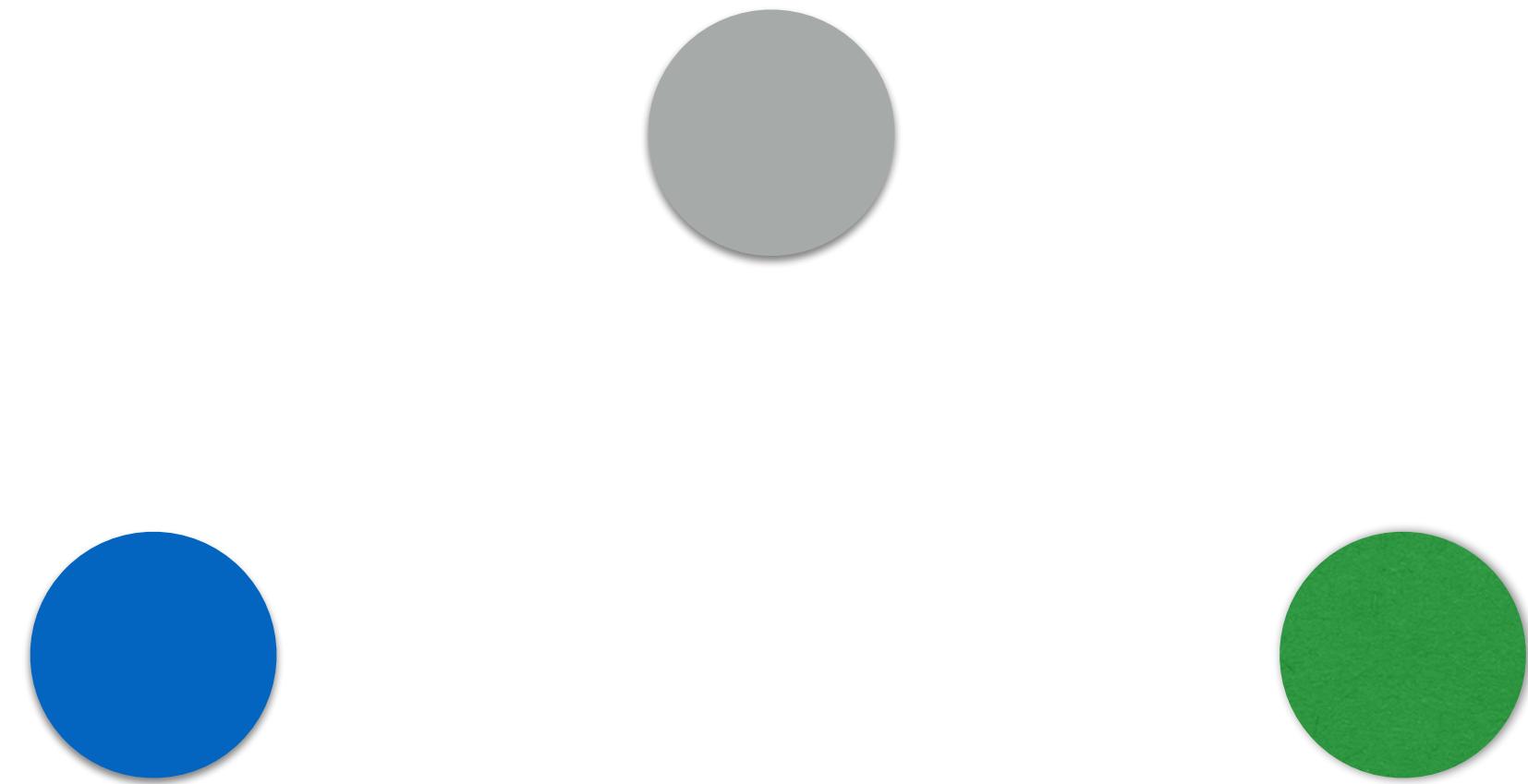
---

3:21 PM - 1 May 2016

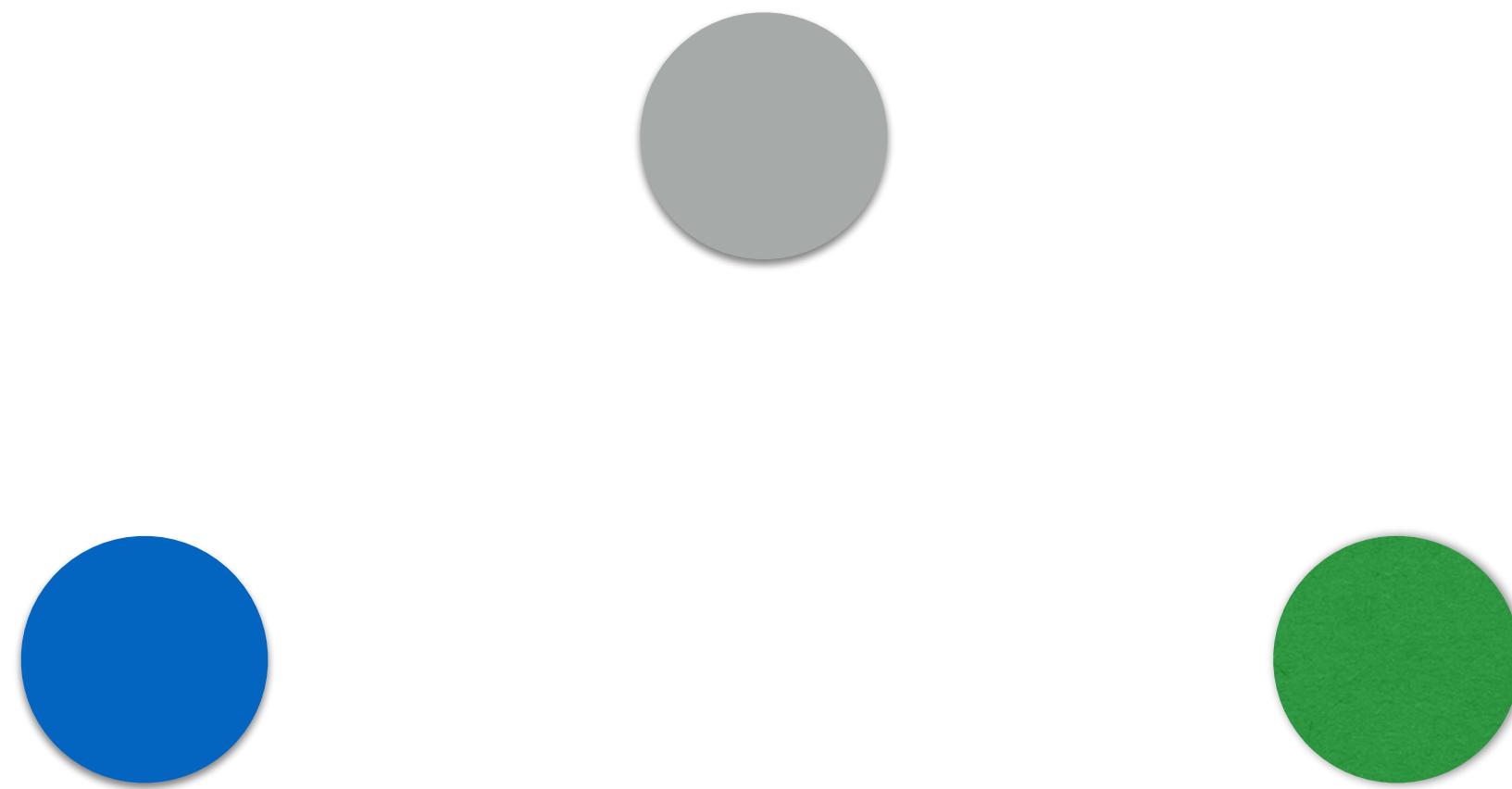


...

Every promise binding is the basis for **relationship**  
(Dunbar)



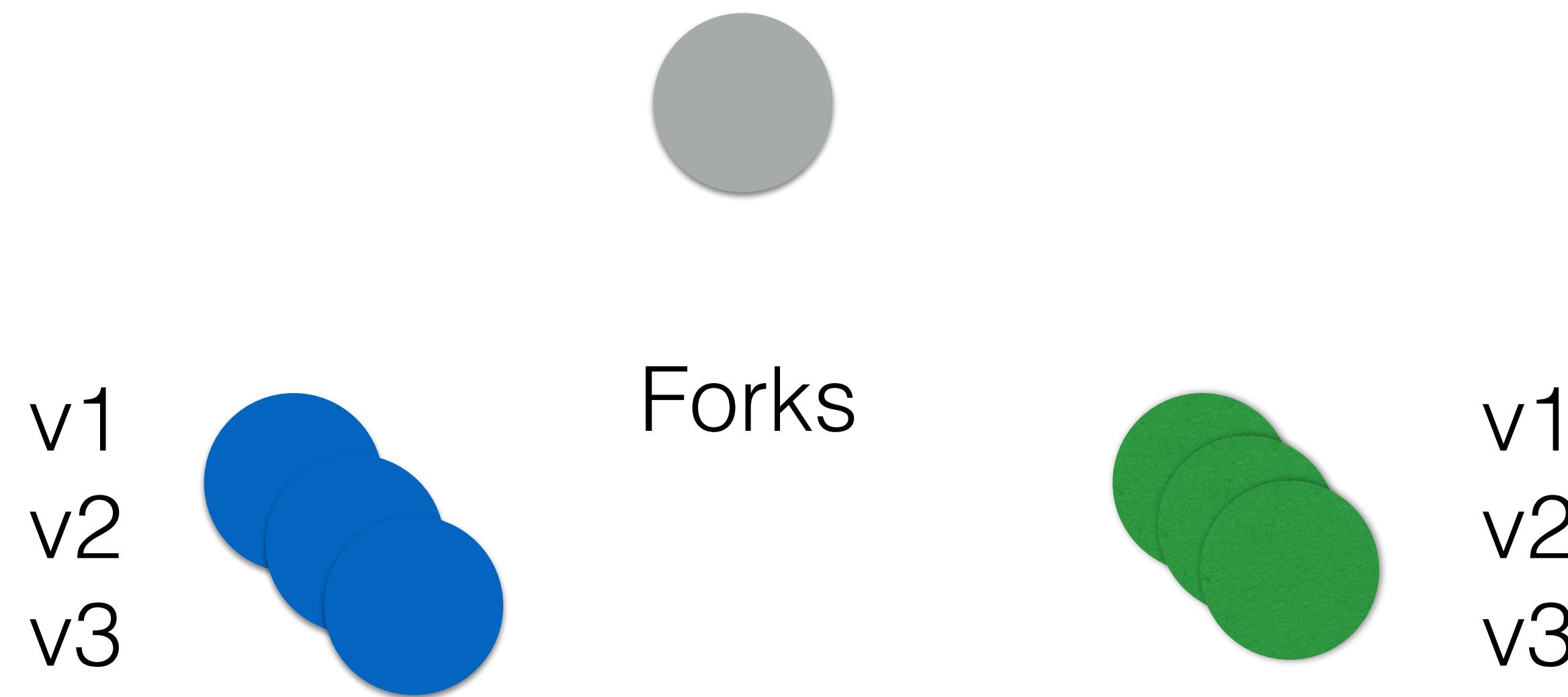
Agents with a similar goal can be grouped  
into a **Super Agent**



You need multiple Super Agents to have a **choice** again

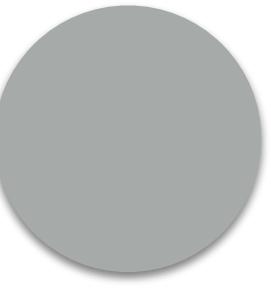


To keep promises agent can introduce  
**different world views (versions)**

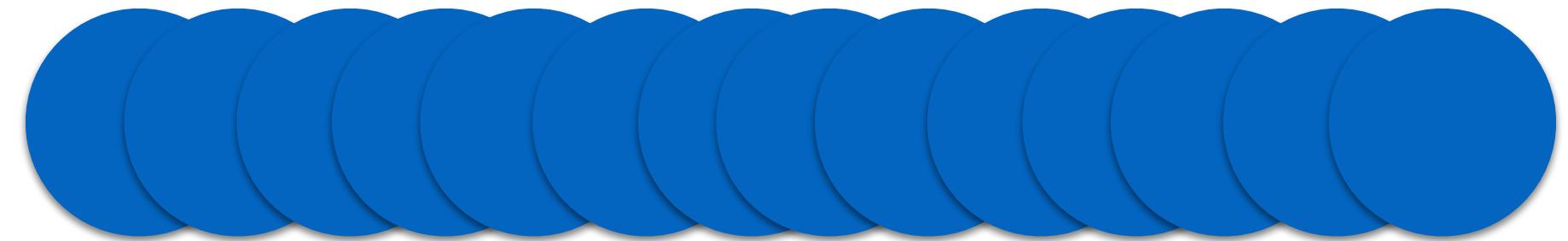


A super agent might get slow  
**internal communication speed** is key

Opportunity  
for personalised  
service providers

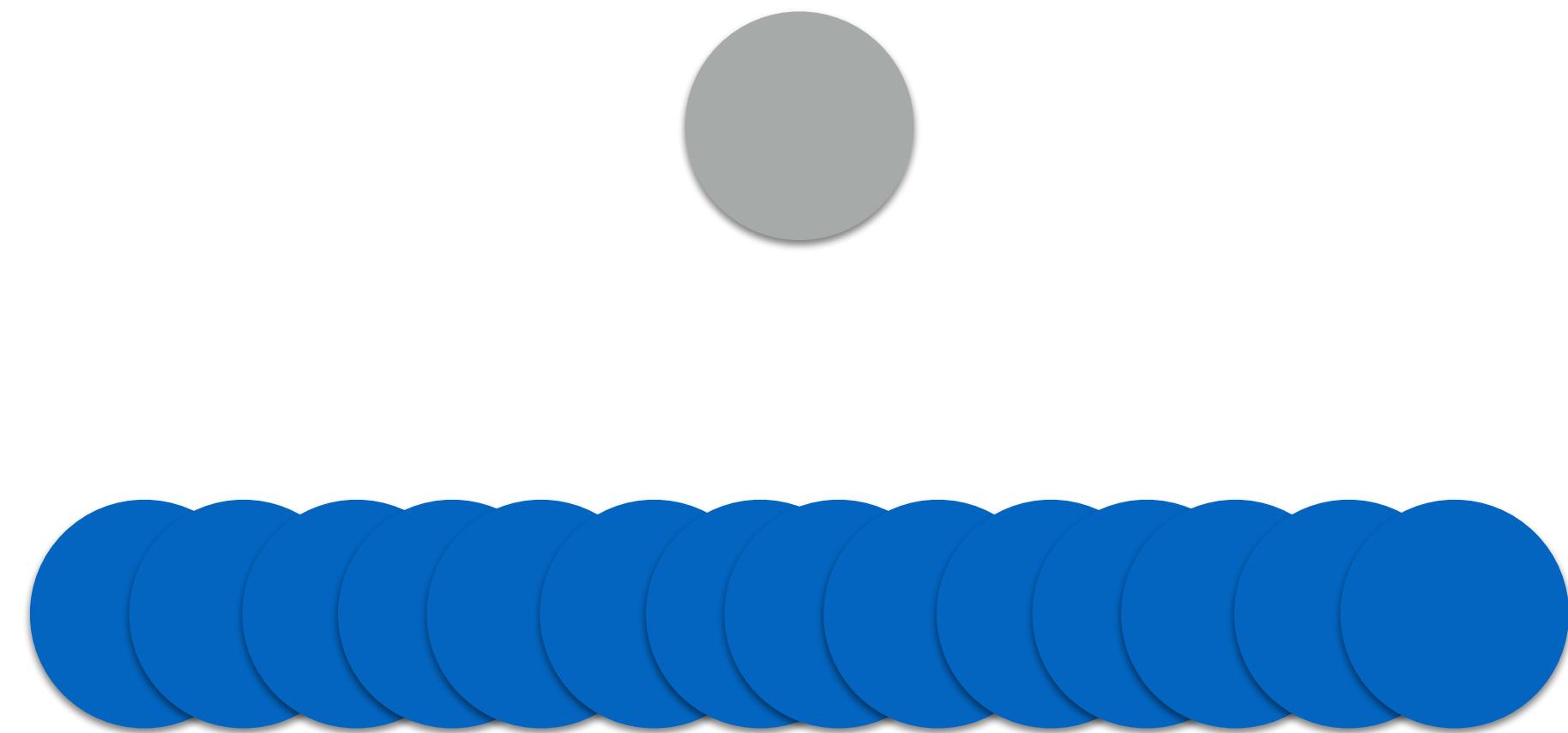


Slows down



# **Scaling** Promises

keeping your promise while changing your size (is hard)



# Amazon Web Services

Mar 29, 2016

03:26 PM -0400



Hello,

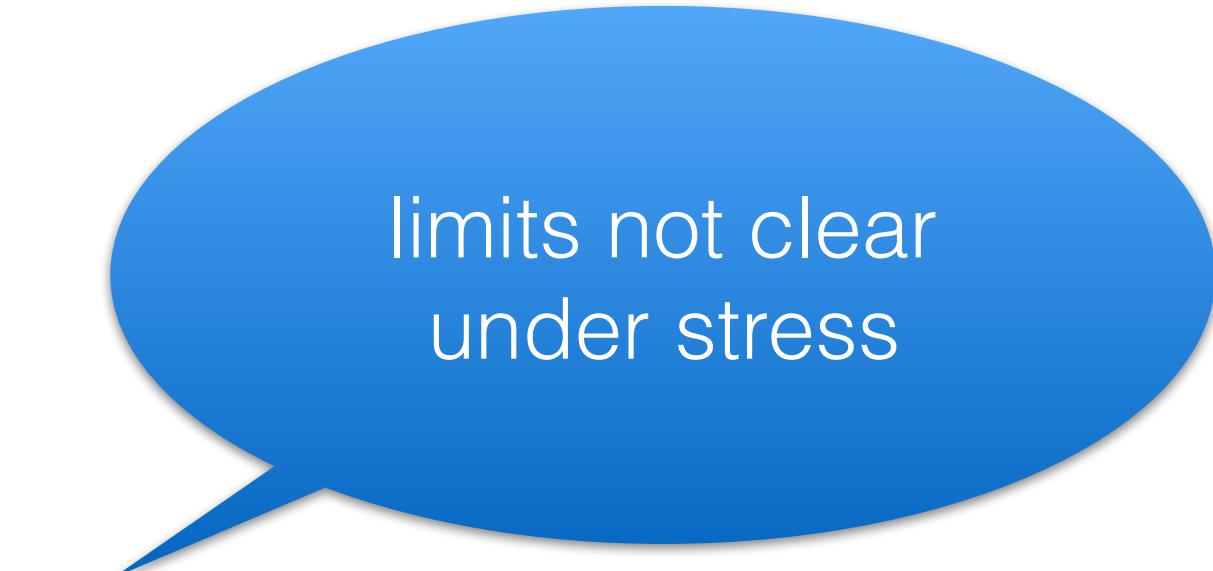
Unfortunately, the conditions for container re-use is non-deterministic, but it generally involves when a Lambda function is executed, the container for the Lambda function is created. To save time on this setup, the container can be reused for other Lambda functions if the next invocation is within a short period.

container re-use  
non-deterministic

For example, you have 2 people invoking your Lambda function. Each function will have its own container. After some time, one of those people is finished invoking, but the other is not finished before a third person invokes your Lambda function. This third person will take up the container that the first person utilized, rather than create their own, if that container is available. There would be some effects left over from the previous execution. If enough time passes before another execution, the container would be deleted, and any new people would have to create a new container when invoking the Lambda function.

## AWS Lambda Resource Limits

Resource	Default Limit
Ephemeral disk capacity ("tmp" space)	512 MB
Number of file descriptors	1,024
Number of processes and threads (combined total)	1,024
Maximum execution duration per request	300 seconds
<a href="#">Invoke</a> request body payload size (RequestResponse)	6 MB
<a href="#">Invoke</a> request body payload size (Event)	128 K
<a href="#">Invoke</a> response body payload size (RequestResponse)	6 MB



limits not clear under stress

The following table lists service limits for deploying a Lambda function.

## AWS Lambda Deployment Limits

Item	Default Limit
Lambda function deployment package size (.zip/.jar file)	50 MB
Size of code/dependencies that you can zip into a deployment package (uncompressed zip/jar size)	250 MB

## AWS Lambda Account Limits Per Region

Item	Default Limit
Total size of all the deployment packages that can be uploaded per region	75 GB
Concurrent executions (see <a href="#">Concurrent Executions</a> )	100

A medium shot of a man from the chest up. He has a light beard and is smiling broadly, showing his teeth. He is wearing a plain black crew-neck t-shirt. The word "devops" is printed in a large, white, sans-serif font across the center of the shirt. Below it, a second line of text reads "Go away or I will replace you with a very small services" in a smaller, white, sans-serif font.

devops

Go away or I will  
replace you with a  
very small services



Holy Cow!

“I introduced devops  
and all I got was a remote **API**”



It's **devops** Jim but not as we know it

A large sculpture made of numerous white, cast hands and arms, all reaching upwards. The sculpture is set against a background of dense green bushes and foliage. The hands are of various sizes and orientations, creating a sense of a crowd or a community coming together.

emerging practices



## SERVICE HEALTH DASHBOARD

[Amazon Web Services](#) » Service Health Dashboard

### Current Status - Dec 2, 2015 PST

Amazon Web Services publishes our most up-to-the-minute information on service availability in the table below. Check back here for current status information, or subscribe to an RSS feed to be notified of interruptions to each individual service. If you are experiencing an operational issue with one of our services that is not described below, please inform us by clicking on the "Contact Us" link to submit a service request. All dates and times are Pacific Time (PST/PDT).

communicate  
the status  
of your promise  
and monitor others

Region	Service	Status	Contact Us	RSS
North America	Amazon API Gateway (Ireland)	Service is operating normally	<a href="#">Contact Us</a>	
South America	Amazon CloudFront	Service is operating normally	<a href="#">Contact Us</a>	
Europe	Amazon CloudSearch (Frankfurt)	Service is operating normally	<a href="#">Contact Us</a>	
Asia Pacific	Amazon CloudSearch (Ireland)	Service is operating normally	<a href="#">Contact Us</a>	
	Amazon CloudWatch (Frankfurt)	Service is operating normally	<a href="#">Contact Us</a>	
	Amazon CloudWatch (Ireland)	Service is operating normally	<a href="#">Contact Us</a>	
	Amazon Cognito (Ireland)	Service is operating normally	<a href="#">Contact Us</a>	
	Amazon DynamoDB (Frankfurt)	Service is operating normally	<a href="#">Contact Us</a>	
	Amazon DynamoDB (Ireland)	Service is operating normally	<a href="#">Contact Us</a>	



Dashboard



Your apps



Account stats



Billing

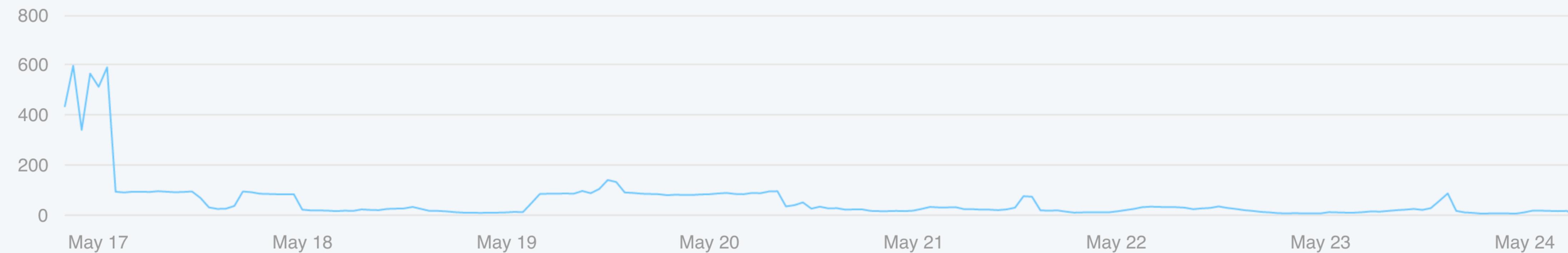
## Account statistics

This is a historical overview of your account.

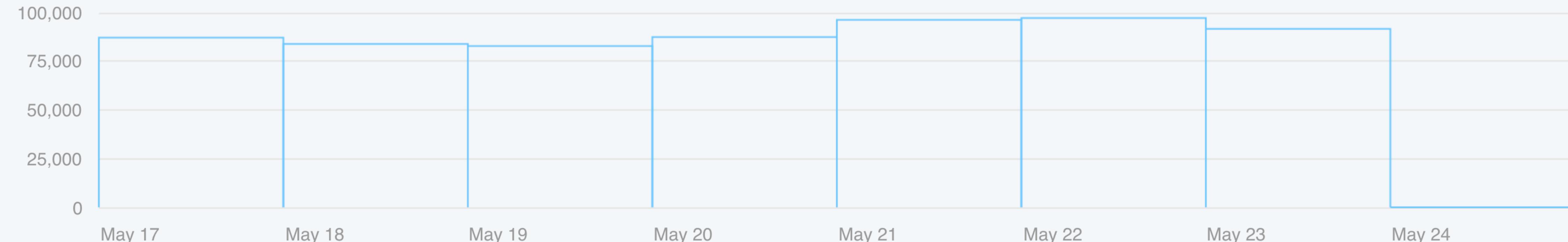
Custom Date Range

monitor your  
services  
and expose your own  
metrics (API)

### Open connections

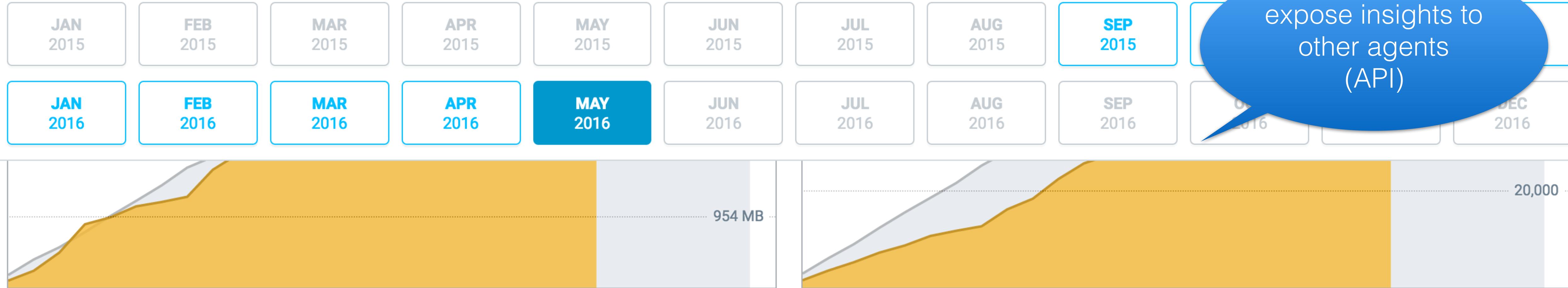


### Messages per day

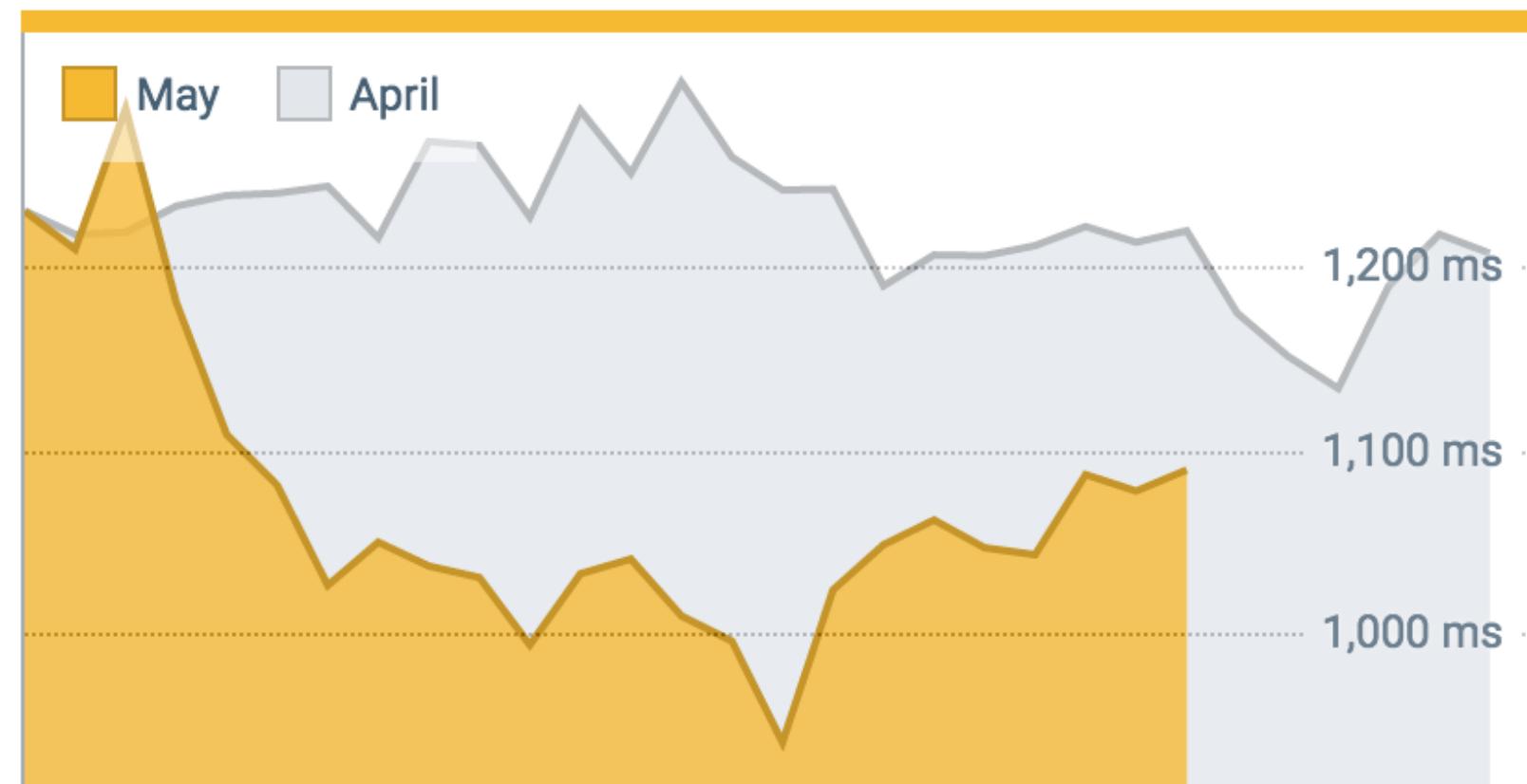




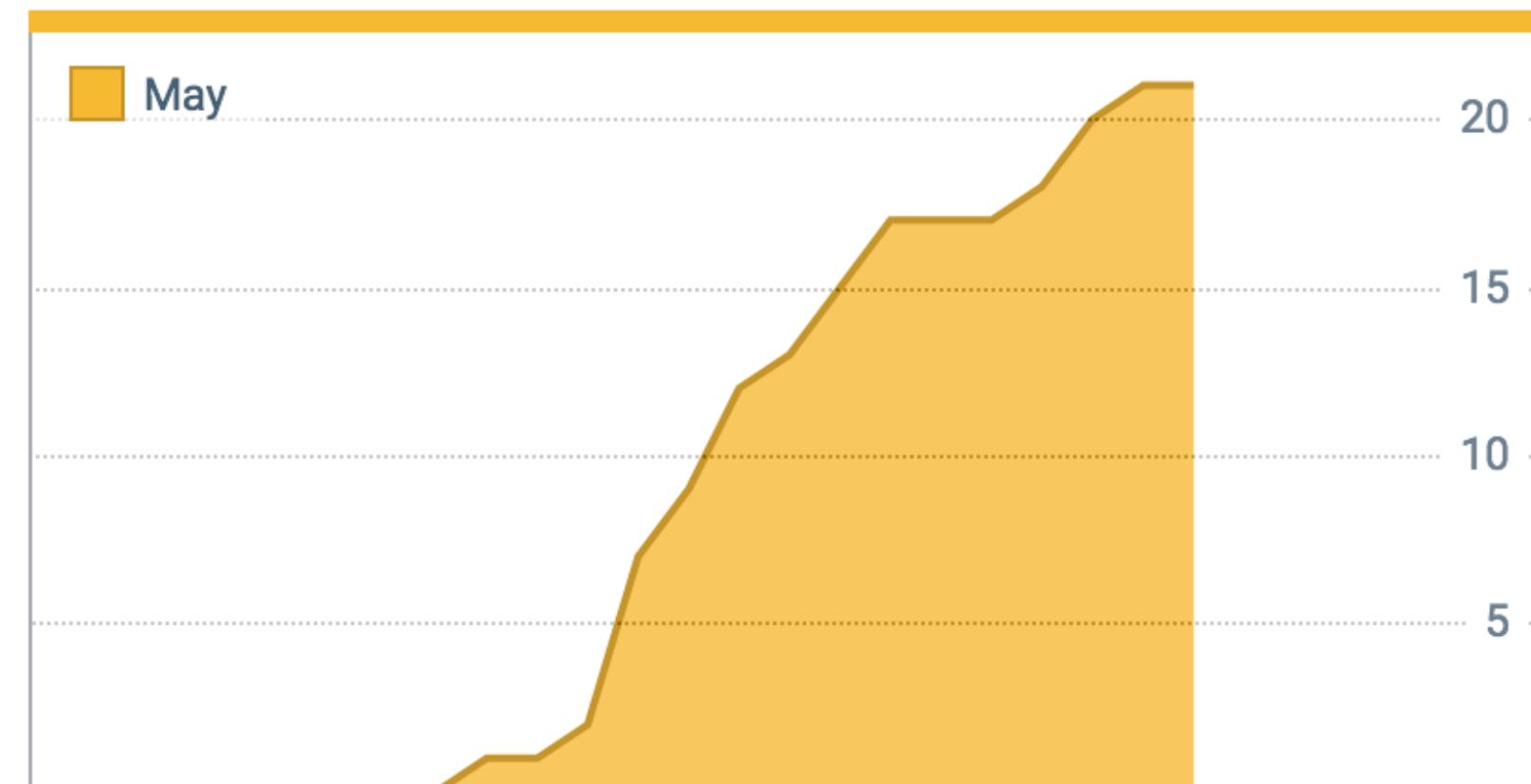
# May 2016 ▾

**DAILY****CUMULATIVE**

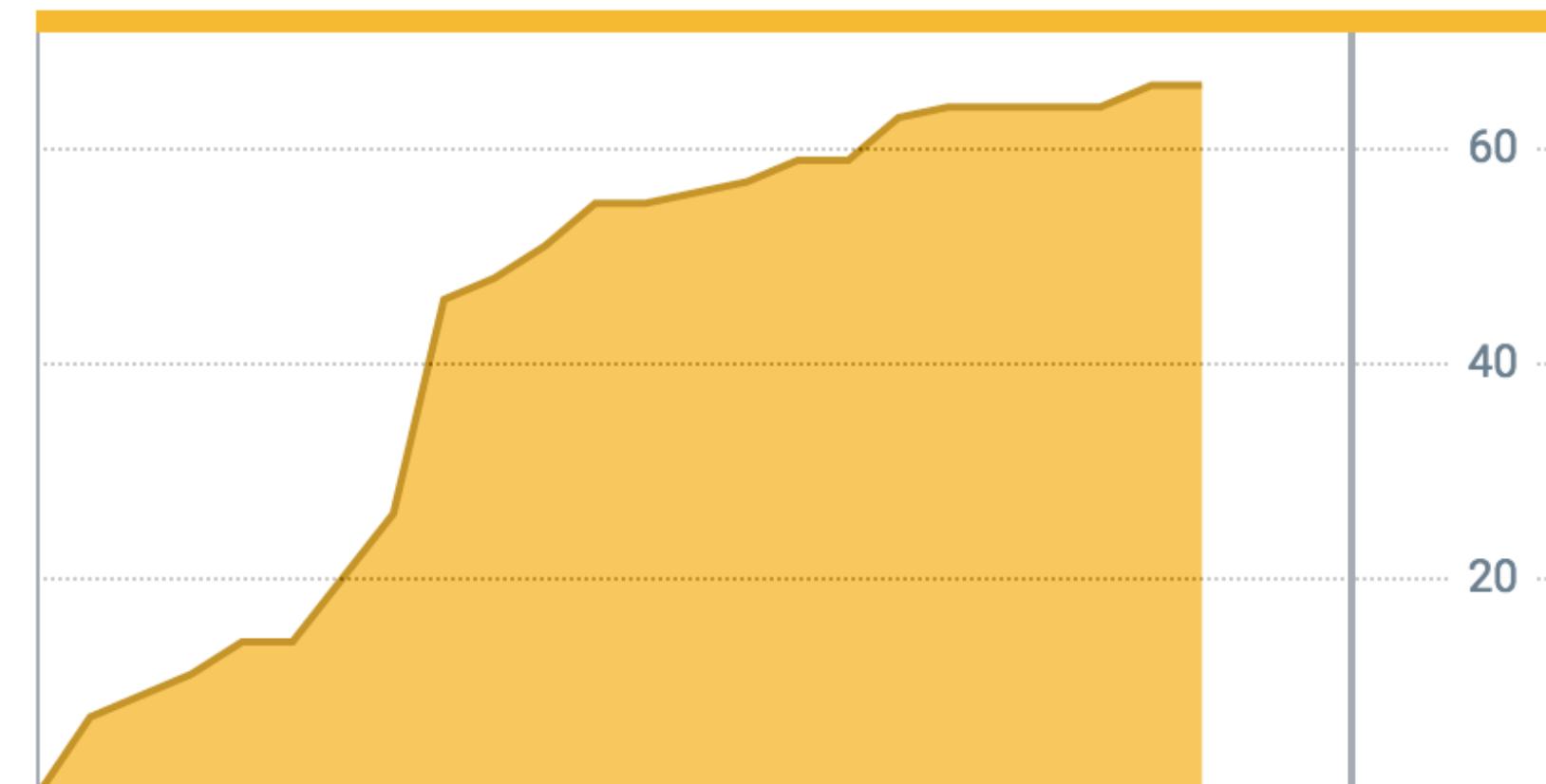
Avg. Render Time ⓘ

**1,048 ms**

Mild Render Errors ⓘ

**21**

Severe Render Errors ⓘ

**66**



show that you care  
about  
other agents

## Travis CI

All Systems Operational

SUBSCRIBE TO UPDATES



Get email notifications whenever Travis CI creates or updates an incident.

Email Address

SUBSCRIBE VIA EMAIL

API

Operational

Web App

Operational

Domains

Hosts

Settings

Content

**Logging**

VCL

Conditions

## Logging

This section allows you to configure how logging is performed and where server logs should be sent to.

Syslog **Syslog endpoints** + New

*There are no syslogs endpoints.*

Amazon S3 endpoints + New

*There are no Amazon S3 endpoints.*

Cloudfiles endpoints + New

*There are no Cloudfiles endpoints.*

Logentries **Logentries endpoints** + New

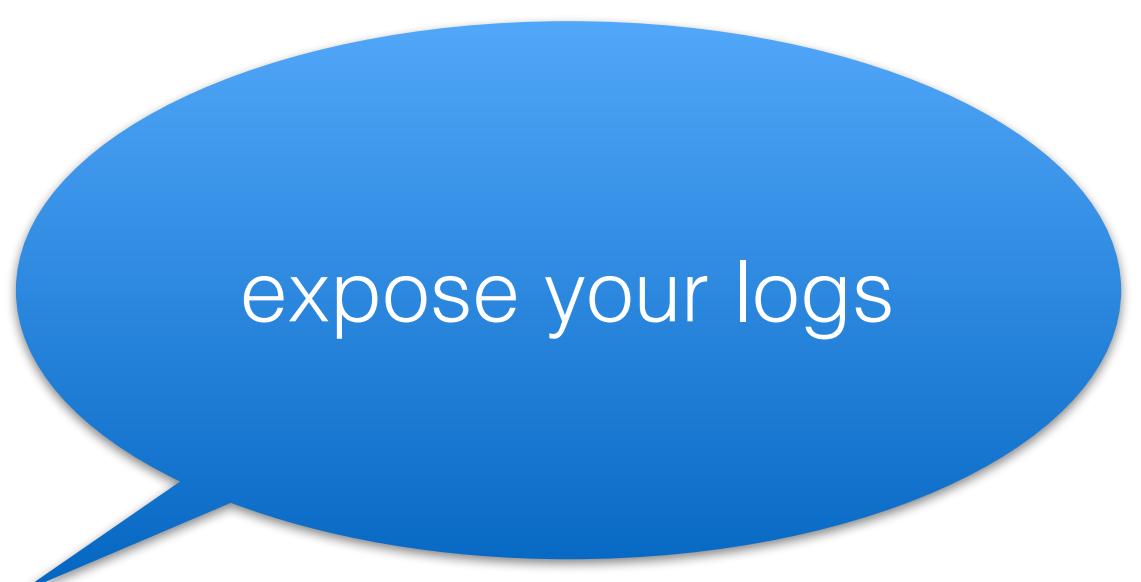
*There are no Logentries endpoints.*

papertrail **Papertrail endpoints** + New

*There are no Papertrail endpoints.*

sumologic **Sumologic endpoints** + New

**fastly.**



## Error Code Definitions Table

errorCode	errorMessage	Description
0		Success.
100001	Data pending	Data is still being processed. Please query again for the response.
200001	Operation canceled	User canceled during the login process.
200008	OK with errors	For reports purposes, when OK is returned but there were acceptable errors in the process.
200009	Accounts linked	The accounts have been linked successfully.
200010	OK with error login identifier exists	When a new account is created and the login identifier already exists, the server handles the conflict according to the <b>conflictHandling</b> parameter. If <b>saveProfileAndFail</b> is passed, the profile data is saved, a registration token is returned for account linking, and this error is returned.
206001	Account pending registration	A method has been called that performs social login, but the registration process has not been finalized, or a required field is missing from the user profile or data. See <a href="#">Accounts API Error Codes and Messages</a> for more information.
206002	Account pending verification	An account has already been verified and a user tries to log in with a loginID (usually an email address) whose connection to the user has not been verified. See <a href="#">Accounts API Error Codes and Messages</a> for more information.
206003	Account missing loginID	The registration policy requires a loginID when a user uses Social Login to register to the site, but there are no login identifiers or a password associated with the account. See <a href="#">Accounts API Error Codes and Messages</a> for more information.
206004	Identities were conflicted	An identity conflict has occurred during account import. This means that a providerUID being imported matches one that is already in the system.
206005	Pending Autologin Finalization	When auto-login from email verification link policy is activated, this response code is passed as the user is redirected to the nextURL specified in the policy. It is not indicative of an error.
301001	Invalid data center	The API key is served by another data center. The error occurs when an API request is received at the wrong data center.
400001	Invalid request format	This error may be caused by various faults in the request. For example: wrong authentication header, non-secure request that should be secured.
400002	Missing required parameter	The method requires some parameters. One of the required parameters was not set in this method call. The error message will include the name of the missing parameter.
400003	Unique identifier exists	A user tries to register or set the account information with an email or username that already exists in the accounts database. See <a href="#">Accounts API Error Codes and Messages</a> for more information. Some possible response messages are:

be clear on what happens when it fails

## PROTECT YOUR DATA IN SAAS APPLICATIONS



### Spanning Backup For Google Apps

Protect productivity with daily automated backup and reliable restore backed by our 100% Restore Guarantee.

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backup external data  
(give an API please)



Slack @SlackHQ · Nov 24

Right! So! How was YOUR day?

(And sorry, again. Thank you all for your patience, and for being gracious on a hard day). 😞🔧💻🔌🎉 #Mondays

↪ 104 ❤️ 590 ...



Slack @SlackHQ · Nov 23

Update! With thanks for your patience and apologies for disruption, this is a cautious all-clear. We're back. Hopefully, you're back too. 🙌

↪ 106 ❤️ 329 ...



Slack @SlackHQ · Nov 23

Us again! Update: The status site is back up, and we're still looking into the connectivity issues and working hard to get you back to work.

↪ 79 ❤️ 160 ...



Slack @SlackHQ · Nov 23

Disruption update: We are slowly letting teams back on to Slack and watching to make sure things stay stable as we do. Thank you, and sorry!

↪ 153 ❤️ 278 ...



Slack @SlackHQ · Nov 23

We're having sporadic connectivity issues, and we're investigating, and working as hard as we can to resolve them. Updates will follow!

provide & seek fast feedback on your promise change status

# DNS Provider

## Incident Report for imgix

### DNS Post-Mortem

#### WHAT HAPPENED

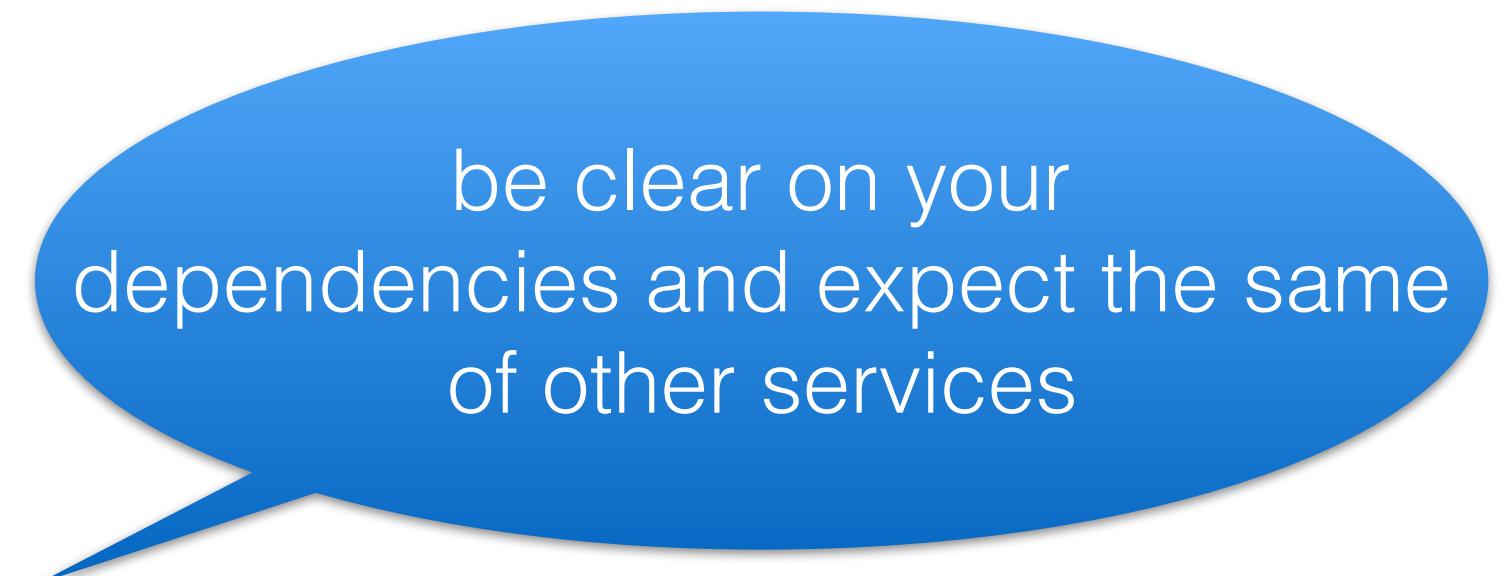
On May 16th, 2016, a distributed denial of service (DDoS) attack began, specifically targeted against our DNS partner's network. The attack began around 10:00 EDT and has been ongoing at least into the 18th. It began as a DNS amplification attack, and while quite severe, was initially filtered properly and held back from impacting service. As the attack progressed, it shifted modalities to additionally employ random label attacks and direct attacks against further upstream providers.

In response, our provider shifted traffic to an anti-DDoS network. This was successful in handling the ingress traffic, but it caused an uneven distribution of legitimate DNS traffic, resulting in name resolution timeouts. To accommodate this concentrated traffic, they brought up significant additional capacity, at which point availability began to be restored.

Once the attack pattern was identified, proper filtering was established and traffic transferred back to the standard network. However, the continued scale and duration of the attack resulted in some Tier-1 providers null-routing traffic despite a sizable dedicated capacity. This caused the second wave of partial unavailability. Traffic was then routed to other carriers and again resumed.

#### PREVENTING SIMILAR INCIDENTS

To more permanently accommodate these issues, our DNS partner has made changes to ensure proper distribution when operating behind the anti-DDoS provider



be clear on your dependencies and expect the same of other services

Hello,

We have noticed that one or more of your instances is running on a host degraded due to hardware failure.

i-XXXXXXX

The risk of your instances failing is increased at this point. We cannot determine the health of any applications running on the instances. We recommend that you take appropriate action.

If your instance was launched from an EBS-backed AMI, issuing a stop and start from the [AWS Management Console](#) will migrate your instance to new hardware and help avoid any unforeseen downtime.

For more options to stop and start your instance please see:

<http://docs.amazonwebservices.com/AWSEC2/latest/UserGuide/starting-stopping-instances.html>

If your instance was launched from an instance store-backed AMI, you should launch a replacement instance from your most recent AMI and migrate all necessary data to the replacement instance.

Should you have any additional questions, we offer AWS Basic Support via our Community Forums for free, or Premium Support for one-on-one assistance direct from an AWS Developer Support Engineer at <http://aws.amazon.com/support>.

Sincerely,

The Amazon [EC2](#) Team



be proactive  
to make others keep their  
promises

This repository Search

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DataDog / dd-agent

Code Issues 145 Pull requests 65 Wiki Pulse Graphs

## Change Log

Celene edited this page on Mar 26, 2014 · 117 revisions

**The agent change log has a [new location!](#)**

**v4.1.0 - 2014/02/04**

### Integrations affected

- PostgreSQL
- ElasticSearch
- Lighttpd
- Nginx
- HAProxy
- MongoDB
- Redis
- Varnish
- Couchbase

### New features

- Support for older versions of psycopg2
- New tool to help configuring JMX Checks: See <http://docs.datadoghq.com/integrations/java/>
- Add basic authentication to Couchbase check #787
- Add basic authentication to ElasticSearch check #806
- Add basic authentication to Lighttpd check
- Add basic authentication to Nginx check
- Calculate used session percentage in HAProxy check #752 (Thanks to @walkeran)
- Add an HAProxy metric that counts the number of active backends #729
- Turn SSL validation in http check into an option #770
- Include tags in http service check #780

Edit New Page

Pages 37

This sidebar is WORK IN PROGRESS

#### Getting the agent

- Agent installation
- Changelog
- Proxy configuration
- Network traffic

#### Getting help

- Debugging tips
- FAQ
- Contact support
- Send logs to support using flare

#### Agent design

- Architecture

#### Contributing

- Bugs
- Submitting Code
- Conventions

Clone this wiki locally

<https://github.com/DataDog/>

Clone in Desktop

give insights on  
changing promises



blog to  
communicate  
your service  
skill level

## Crunching Apple Pay tokens in PHP



Posted by **Adam Saponara** on November 20, 2015 / **No Responses**

Etsy is always trying to make it easier for members to buy and sell unique goods. And with 60% of our traffic now coming from mobile devices, making it easier to buy things on phones and tablets is a top priority. So when [Apple Pay](#) launched last year, we knew right away we wanted to offer it for our iOS users, and [shipped it](#) in April. Today we're open sourcing part of our server-side solution, [applepay-php](#), a PHP extension that verifies and decrypts Apple Pay payment tokens.

Integrating with Apple Pay comes down to two main areas of development: device side and payment-processing side. On the device side, at a high level, your app uses the [PassKit framework](#) to obtain an [encrypted payment token](#) which represents a user's credit card info. On the payment-processing side, the goal is to make funds move between bank accounts. The first step here is to decrypt the [payment token](#).



talk at conferences to  
indicate  
your willingness  
to share

# Authentication

Authenticate your account when using the API by including your secret API key in the request. You can manage your API keys in the [Dashboard](#). Your API keys carry many privileges, so be sure to keep them secret! Do not share your secret API keys in publicly accessible areas such GitHub, client-side code, and so forth.

Authentication to the API is performed via [HTTP Basic Auth](#). Provide your API key as the basic auth username value. You do not need to provide a password.

If you need to authenticate via bearer auth (e.g., for a cross-origin request), use

```
-H "Authorization: Bearer  
sk_test_BQokikJ0vBiI2HlWgH4olfQ2"
```

instead of `-u sk_test_BQokikJ0vBiI2HlWgH4olfQ2:`

All API requests must be made over [HTTPS](#). Calls made over plain HTTP will fail. API requests without authentication will also fail.

## Example Request

```
$ curl https://api.stripe.com/v1/charges \  
-u sk_test_BQokikJ0vBiI2HlWgH4olfQ2:
```

curl uses the `-u` flag to pass basic auth credentials (adding a colon after your API key prevents cURL from asking for a password).

A sample test API key is included in all the examples on this page, so you can test any example right away. To test requests using your account, replace the sample API key with your actual API key.

make it convenient  
for other agents to use

[Code](#)[Revisions 6](#)[Stars 3](#)[Forks 1](#)[Embed](#)

&lt;script src="https://gist

[Download ZIP](#)

## Datadog Feedback 24/01/2014

[datadog-feedback.md](#)

@datadoghq - Overall well done! Here's some feedback:

## Signup/User process

- when someone invites you to their datadog/team, you get an email but because you are already registered you can't join their team. Especially annoying for freelancers that work for multiple customers but don't have an email account at the customer site
- disable a user is scary (will this delete it, can I re-create it?); a warning or ? next to it would help for fast understanding
- if the user you invite does not have it's gmail activated yet (google for apps), when the email is added it's send out (but doesn't reach it of course). There is no way of re-sending the invite from the admin side
- the forcing of registering at least one agent/integration is really annoying. if you signup through an ipad or the person signing up (like billing) does not have any way to go past that screen. So you wonder , am I registered or not? In our case the person installed the mac agent from it's laptop to get it going. No need for that imho
- when signing up , I wondered about the 100 hosts limit: on EC2 you constantly set/recreate/destroy new machines; how is that counted? Can I delete a host? I could not totally understand it
- not sure what happens with your metrics/data, can you export it if you stop the account?
- is there a test/dev only account? I'd like to recommend it to customers and do some development stuff; do I just get a free account after the trial expires with specific limits?



provide feedback to other agents

## Dashboard related

- seems you can build a dashboard, but there is no easy way of sharing the URL to your colleagues



**patrickdebois** @patrickdebois 2d  
signed up for tvos crashlytics/beta  
@fabric - hope to get it approved  
soon :)

[Details](#)



**Alain Hufkens** @hufkens 2d  
@patrickdebois That reminds me.  
Did that a month ago and haven't  
seen anything yet @fabric 😕

[View](#)



**Fabric**   
@fabric

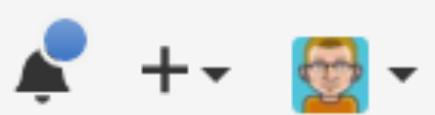
@hufkens @patrickdebois hey  
Alain and Patrick, I just emailed  
you both with a surprise :) Check  
your inbox!

show that you listen to  
those that depend on you



Search GitHub

Pull requests Issues Gist

NETFLIX  
OSS

# Netflix, Inc.



Netflix Open Source Platform

Los Gatos, California

<http://netflix.github.io/>[netflixoss@netflix.com](mailto:netflixoss@netflix.com)[Repositories](#)[People 50](#)

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JavaScript ★ 35 ⚡ 13

A Falcor JavaScript DataSource which creates a Virtual JSON Graph document on your app server.

Updated 20 minutes ago



## lemur

Python ★ 367 ⚡ 32

Repository for the Lemur Certificate Manager

Updated 2 hours ago



## dynomite

C ★ 1,103 ⚡ 119

A generic dynamo implementation for different k-v storage engines

Updated 10 hours ago



## People

50 &gt;



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+



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- What each card represents 52 votes

**Rendering**

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- [DONE 4.12] High Resolution reflections (sky light and captures) 77 votes
- [DONE 4.12] Dual specular shading model 26 votes
- [DONE 4.12] Support higher precision normals for static meshes 20 votes
- [DONE 4.12] Per-object shadow optimizations to improve performance of projects utilizing many stationary lights 92 votes
- [DONE 4.12] Post Process converted to compute / async compute 20 votes
- Support for HDR displays 42 votes
- MorphTarget GPU blending 117 votes
- GPU skinning cache, use async compute 8 votes

**Effects**

- [DONE 4.12] Cascade performance features and optimizations 50 votes
- Niagara / Cascade 2.0 Planning 27 votes 1 comment
- Cascade profiling tools 88 votes 1 comment

**Physics**

- BodyInstance & PhysicsVolume gravity settings 259 votes
- Upgrade to PhysX 3.4 106 votes
- RBF Orientation Driver Node 1 vote
- PhAT/Persona integration 233 votes
- Physics Performance improvements 208 votes
- New Clothing Pipeline 302 votes
- Unified 'wind' system 229 votes
- Physical animation tools 372 votes
- Destruction 2.0 160 votes

**Animation**

- Alembic importer 256 votes
- Pose animation 258 votes
- Anim compression refa... 22 votes
- Vertex animation support 387 votes
- Add curve data to audio for ani... 57 votes 1 comment
- Post-import script support 2 votes
- Tools to create joints for space switching 1 vote
- Anim Graph Organization/Reus... 58 votes
- Cage deformer on skelmeshco... 4 votes
- Persona UI Overhaul 29 votes

**Non-Team Members**

- DV SP

**Observers**

- BM N

**Activity**

- Liz Clark added Multi-slice / multi-view rendering to VR May 9 at 5:16 AM
- Liz Clark archived [REMOVED]2D Terrain May 5 at 11:27 AM
- Liz Clark archived [REMOVED]Texture atlas groups May 5 at 11:27 AM
- Liz Clark archived [REMOVED]UX improvements for large world editing May 5 at 11:26 AM
- Liz Clark archived [REMOVED>Show sub-levels in Outliner] May 5 at 11:26 AM
- Liz Clark archived [REMOVED]In-editor game analytics visualization tools May 5 at 11:26 AM
- Liz Clark archived [REMOVED]UFE Redesign/Usability pass May 5 at 11:25 AM
- Liz Clark archived [REMOVED]Global Asset Registry/Content Discovery/Content Browser UI support May 5 at 11:25 AM
- Liz Clark archived [REMOVED]Loading screen rewrite May 5 at 11:25 AM

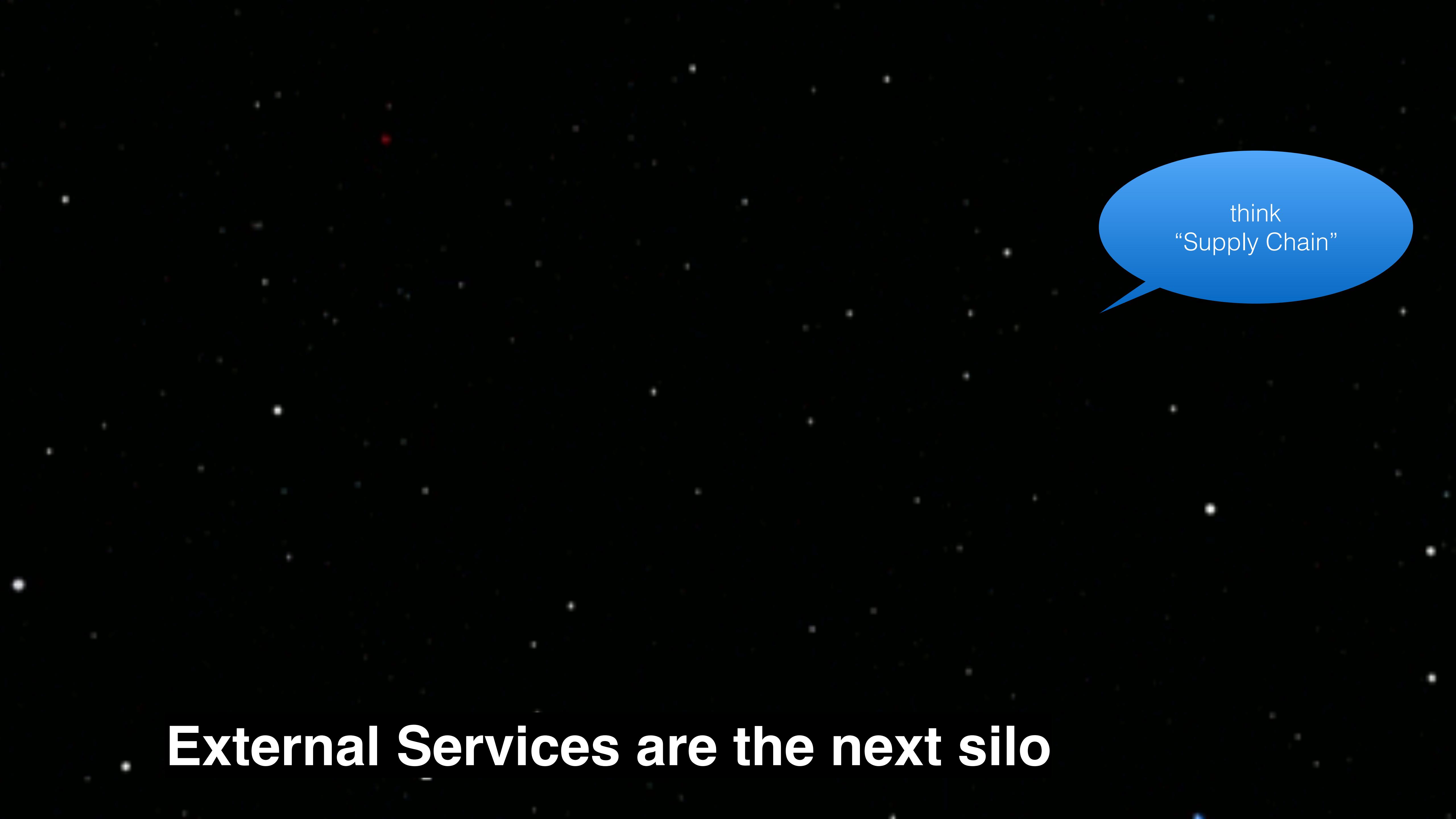
let other agents influence your changing promises

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

“make clear **promises**  
to other agents”

“And **verify** the status of  
other agents promises”

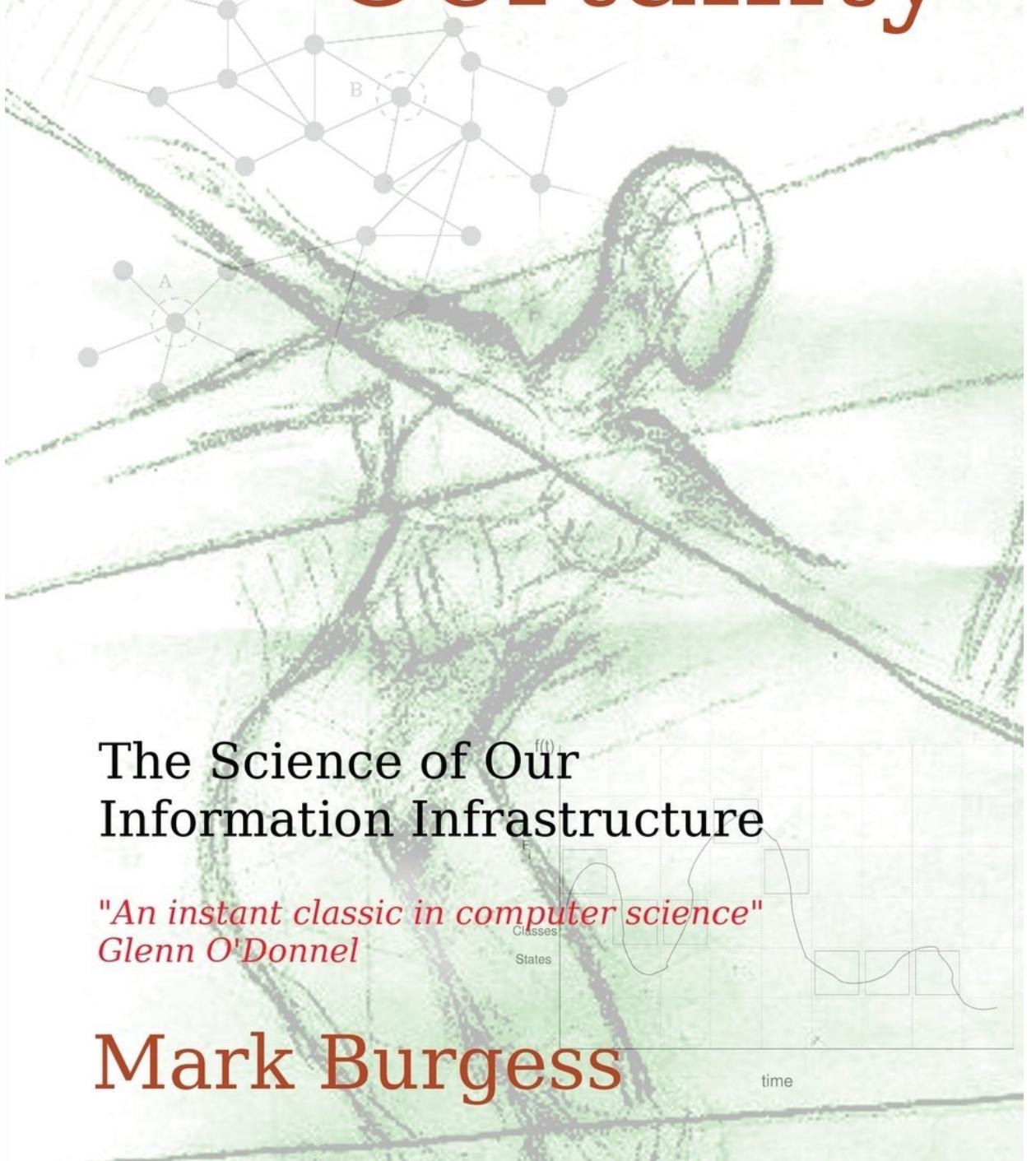
“To **keep** your promise  
to the business”



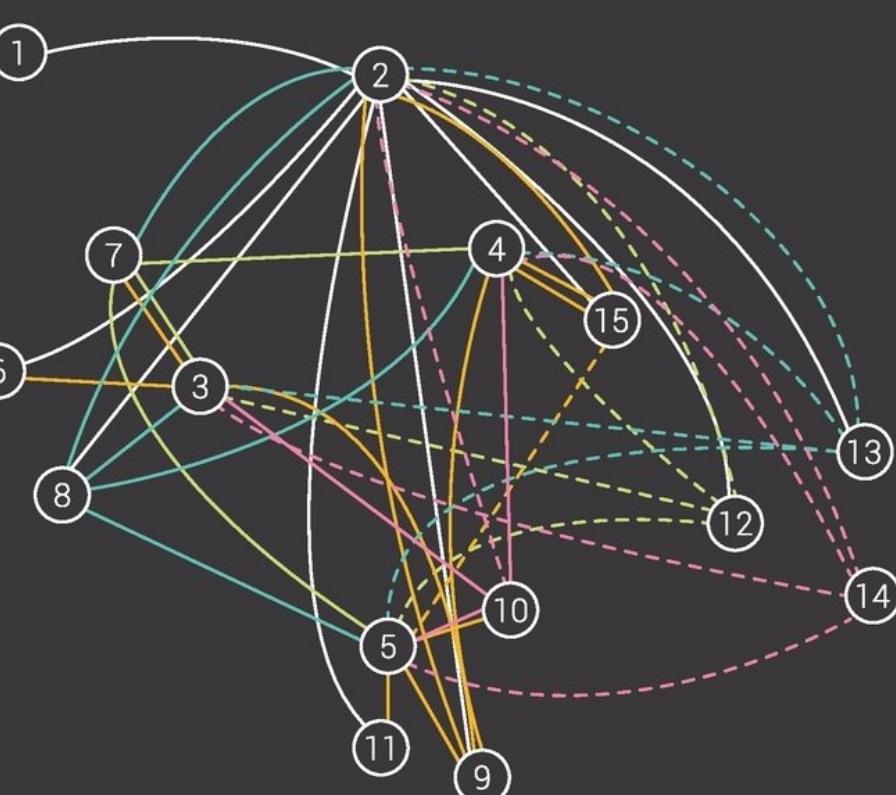
think  
“Supply Chain”

# External Services are the next silo

# In Search of Certainty



## Promise Theory Principles and Applications



Jan A. Bergstra and Mark Burgess



DevOpsDays Minneapolis 2014  
Jeff Sussna, Promising Digital Service Quality

<https://vimeo.com/101735252>

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# Designing Delivery

Rethinking IT in  
the Digital Service  
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Jeff Sussna



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"*Beyond Blame* is a compelling, well-written story about avoiding the most natural and dangerous problems that derail teams."

—Patrick Lencioni; president, The Table Group; author, *The Five Dysfunctions of a Team* and *The Advantage*

# Beyond Blame

Learning from  
Failure and  
Success

Dave Zwiebel

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From the authors of *The Visible Ops Handbook*



# The Phoenix Project

A Novel About IT, DevOps,  
and Helping Your Business Win

Gene Kim, Kevin Behr, and George Spafford

# The DevOps Handbook

HOW TO CREATE WORLD-CLASS  
AGILITY, RELIABILITY, & SECURITY  
IN TECHNOLOGY ORGANIZATIONS



GENE KIM,  
JEZ HUMBLE,  
PATRICK DEBOIS,  
& JOHN WILLIS

FOREWORD BY JOHN ALLSPAW

TAKE THE DORA DEVOPS X-RAY ASSESSMENT AND SEE WHERE YOU STAND.

Questions?





# *Small Town* **HEROES**

*patrick@smalltownheroes.be*

**[www.smalltownheroes.be](http://www.smalltownheroes.be)**

*@patrickdebois*