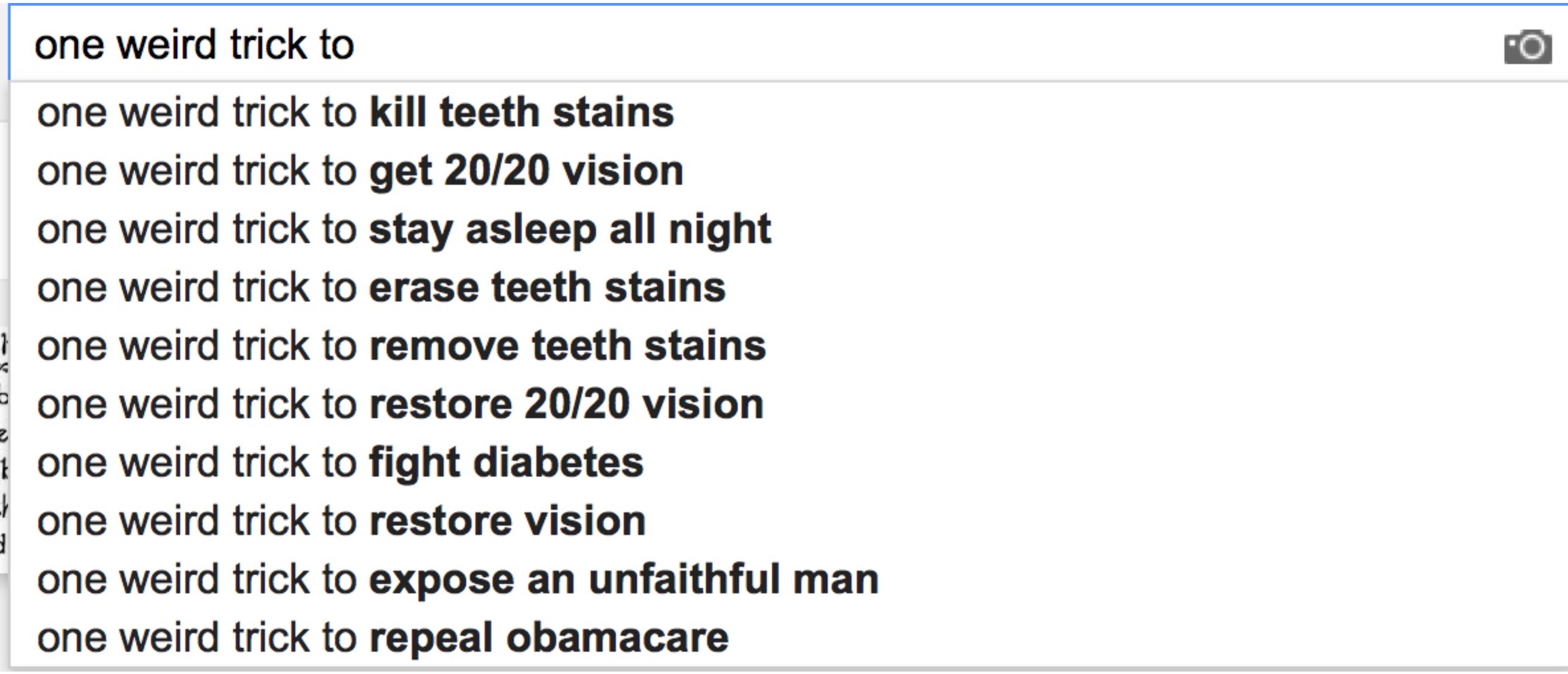
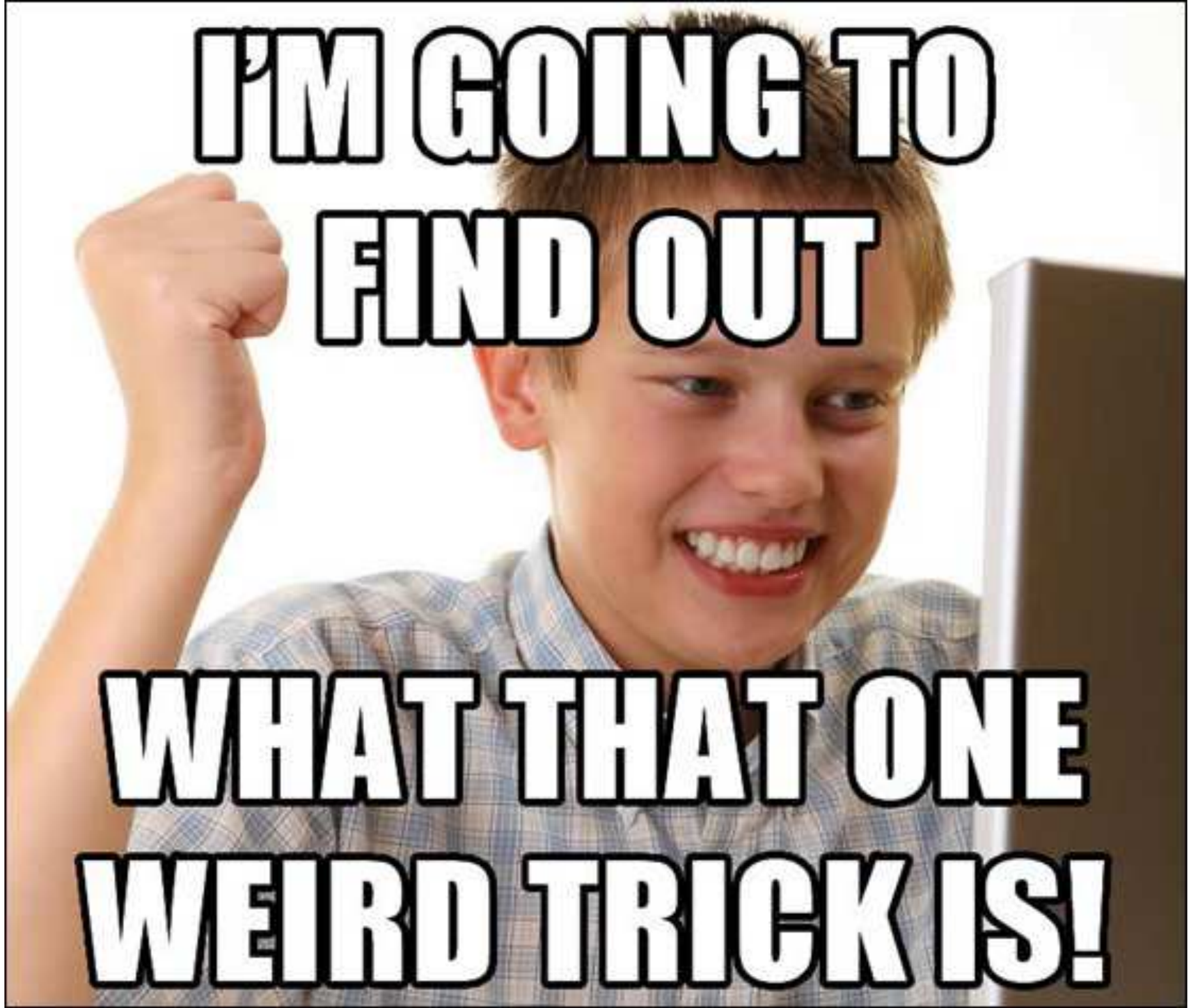
Build the perfect web application with these 12 weird tricks

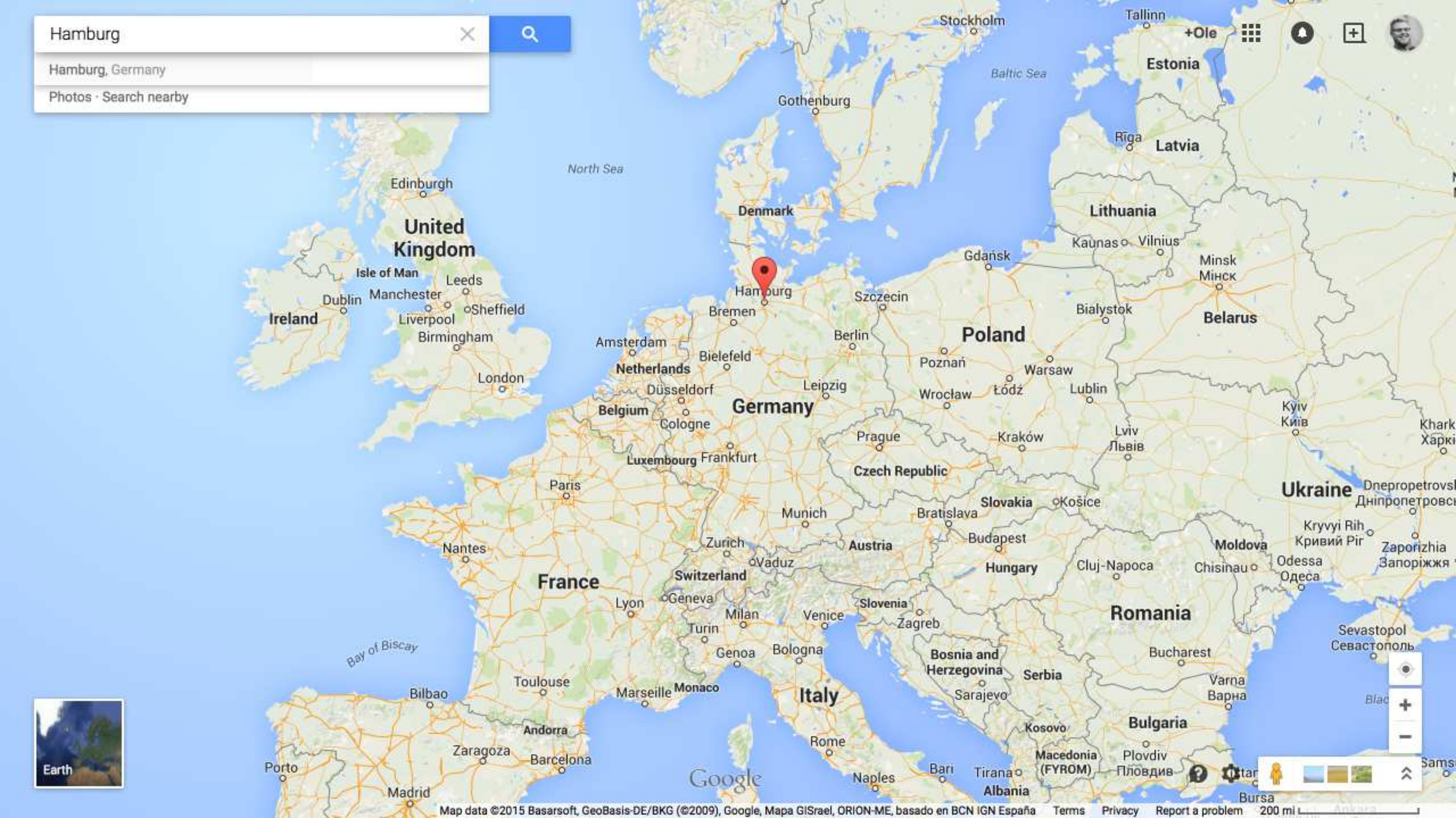
@CodeStars 🚀 Code PaLPOUsa 2015

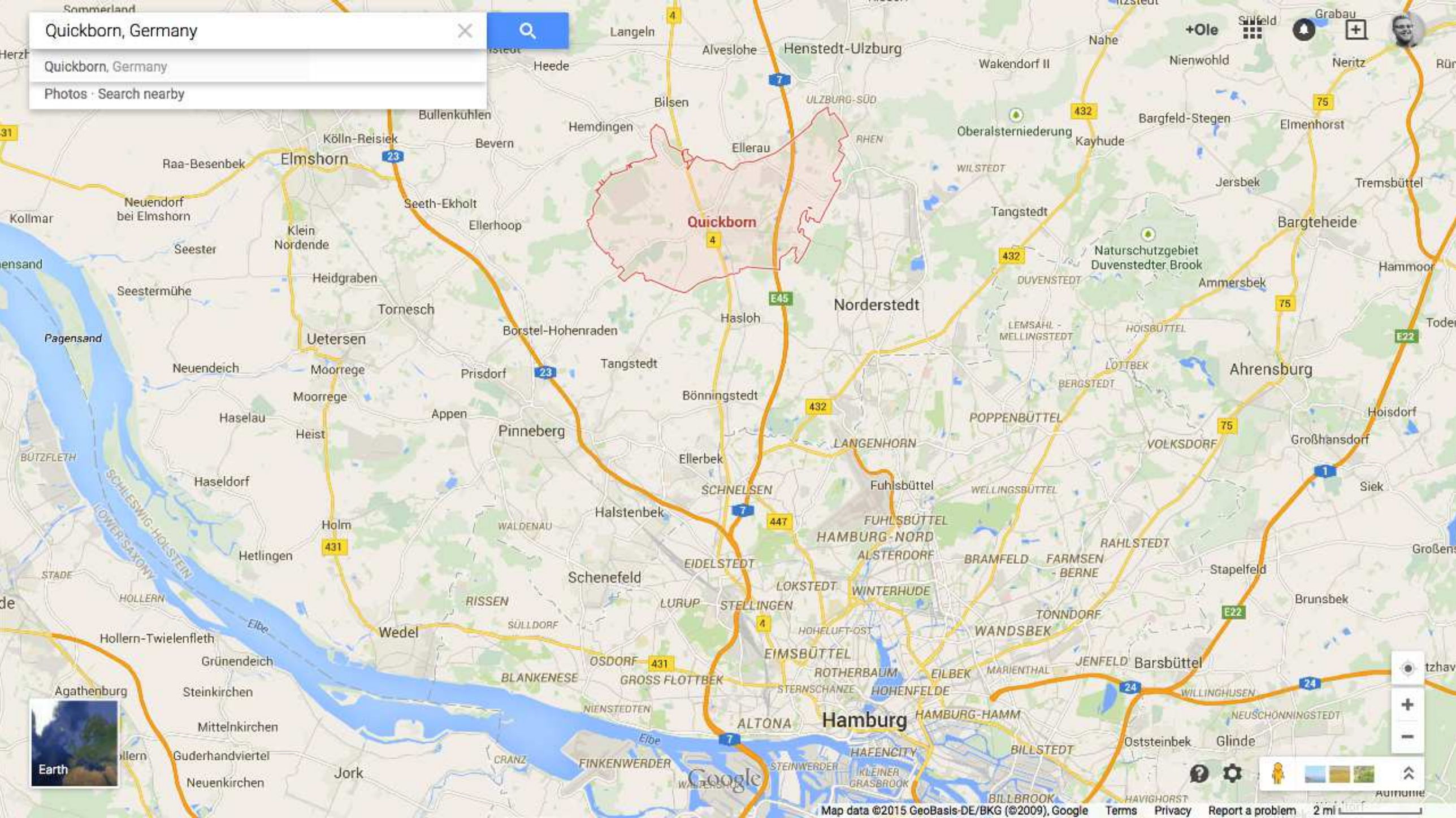

one weird trick to
one weird trick to kill teeth stains
one weird trick to get 20/20 vision
one weird trick to stay asleep all night
one weird trick to erase teeth stains
one weird trick to remove teeth stains
one weird trick to restore 20/20 vision
one weird trick to fight diabetes
one weird trick to restore vision
one weird trick to expose an unfaithful man
one weird trick to repeal obamacare


I'M GOING TO
FIND OUT
WHAT THAT ONE
WEIRD TRICK IS!

Ole Michaelis

🐦 @CodeStars // ⚓ codestars.eu // 🐙🐱 NesQuick // 💞 slidr.io


Hamburg
Hamburg, Germany
Photos · Search nearby
Stockholm
Tallinn
+Ole
Estonia
Baltic Sea
Gothenburg
Riga
Latvia
North Sea
Edinburgh
United Kingdom
Denmark
Lithuania
Kaunas
Vilnius
Gdańsk
Minsk
Минск
Isle of Man
Leeds
Manchester
Dublin
Sheffield
Liverpool
Ireland
Birmingham
Hamburg
Bremen
Szczecin
Bialystok
Belarus
Amsterdam
Berlin
Poland
Bielefeld
Poznań
Warsaw
Netherlands
London
Düsseldorf
Leipzig
Wrocław
Łódź
Lublin
Belgium
Germany
Cologne
Kyiv
Київ
Prague
Kraków
Lviv
Львів
Luxembourg
Frankfurt
Czech Republic
Paris
Ukraine
Slovakia
Košice
Munich
Bratislava
Budapest
Nantes
Zurich
Austria
Moldova
Kryvyi Rih
Кривий Ріг
Zaporizhia
Запоріжжя
Vaduz
Hungary
Cluj-Napoca
Chisinau
Odessa
Одеса
Switzerland
France
Lyon
Geneva
Slovenia
Milan
Venice
Zagreb
Romania
Turin
Sevastopol
Севастополь
Genoa
Bologna
Bosnia and Herzegovina
Bucharest
Bay of Biscay
Serbia
Toulouse
Varna
Варна
Bilbao
Marseille
Monaco
Italy
Sarajevo
Andorra
Kosovo
Bulgaria
Rome
Zaragoza
Barcelona
Macedonia (FYROM)
Plovdiv
Пловдив
Porto
Bari
Tirana
Naples
Albania
Madrid
Bursa
Earth
Google
Map data ©2015 Basarsoft, GeoBasis-DE/BKG (©2009), Google, Mapa GISrael, ORION-ME, basado en BCN IGN España
Terms
Privacy
Report a problem
200 mi

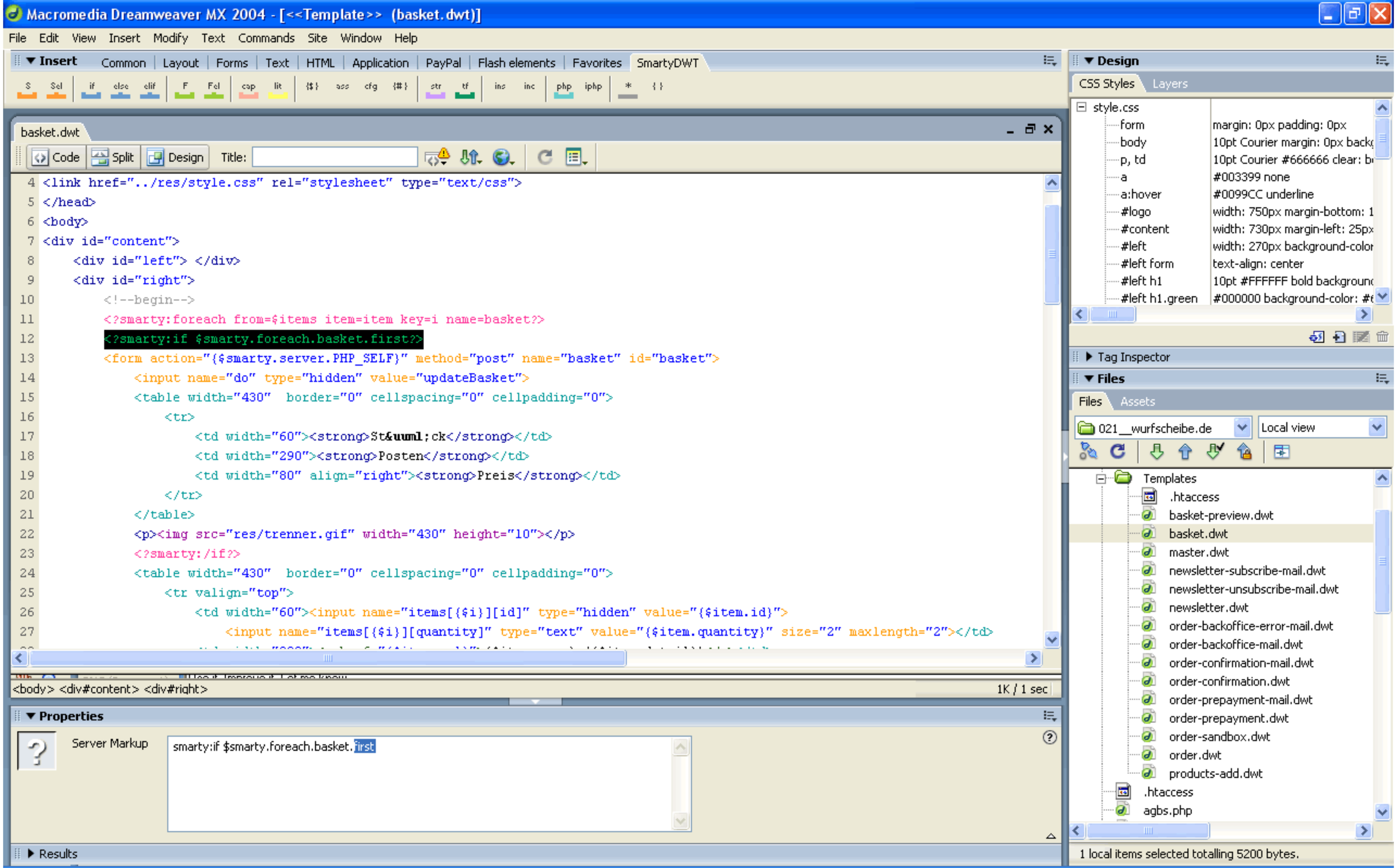

Quickborn, Germany
Quickborn, Germany
Photos · Search nearby
+Ole
Quickborn
Hamburg
Elmshorn
Norderstedt
Ahrensburg
Pinneberg
Schenefeld
Wedel
Barsbüttel
Bargteheide
Henstedt-Ulzburg
Langeln
Alveslohe
Heede
Bilsen
Hemdingen
Ellerau
Bullenkuhlen
Kölln-Reisiek
Bevern
Raa-Besenbek
Neuendorf bei Elmshorn
Seeth-Ekholt
Ellerhoop
Klein Nordende
Seester
Heidgraben
Seestermühe
Tornesch
Uetersen
Borstel-Hohenraden
Hasloh
Tangstedt
Bönningstedt
Neuendeich
Moorrege
Prisdorf
Appen
Haselau
Heist
Haseldorf
Holm
Hetlingen
Halstenbek
Ellerbek
Fuhlsbüttel
Hollern-Twielenfleth
Grünendeich
Steinkirchen
Agathenburg
Mittelnkirchen
Guderhandviertel
Neuenkirchen
Jork
Oberalsterniederung
Kayhude
Bargfeld-Stegen
Elmenhorst
Nienwohld
Wakendorf II
Nahe
Jersbek
Tremsbüttel
Tangstedt
Naturschutzgebiet Duvenstedter Brook
Ammersbek
Hammoor
Hoisdorf
Großhansdorf
Siek
Stapelfeld
Brunsbek
Oststeinbek
Glinde
Earth
Map data ©2015 GeoBasis-DE/BKG (©2009), Google
Terms
Privacy
Report a problem
2 mi

Quickborn
Kreis Pinneberg

[1] We are hiring: http://jimdo.com/

Code PaLOUsa

Code PaLOUsa


Macromedia Dreamweaver MX 2004 - [<<Template>> (basket.dwt)]
File Edit View Insert Modify Text Commands Site Window Help
Insert Common Layout Forms Text HTML Application PayPal Flash elements Favorites SmartyDWT
basket.dwt
Code Split Design Title:
4 <link href="../res/style.css" rel="stylesheet" type="text/css">
5 </head>
6 <body>
7
8
9
10 <!--begin-->
11 <?smarty:foreach from=$items item=item key=i name=basket?>
12 <?smarty:if $smarty.foreach.basket.first?>
13 <form action="{$smarty.server.PHP_SELF}" method="post" name="basket" id="basket">
14 <input name="do" type="hidden" value="updateBasket">
15 <table width="430" border="0" cellspacing="0" cellpadding="0">
16 <tr>
17 <td width="60">Stück</td>
18 <td width="290">Posten</td>
19 <td width="80" align="right">Preis</td>
20 </tr>
21 </table>
22 <img src="res/trenner.gif" width="430" height="10">
23 <?smarty:/if?>
24 <table width="430" border="0" cellspacing="0" cellpadding="0">
25 <tr valign="top">
26 <td width="60"><input name="items[{$i}][id]" type="hidden" value="{$item.id}">
27 <input name="items[{$i}][quantity]" type="text" value="{$item.quantity}" size="2" maxlength="2"></td>
<body> <div#content> <div#right>
1K / 1 sec
Properties
Server Markup
smarty:if $smarty.foreach.basket.first
Results
Design
CSS Styles Layers
style.css
form margin: 0px padding: 0px
body 10pt Courier margin: 0px back
p, td 10pt Courier #666666 clear: b
a #003399 none
a:hover #0099CC underline
#logo width: 750px margin-bottom: 1
#content width: 730px margin-left: 25px
#left width: 270px background-color
#left form text-align: center
#left h1 10pt #FFFFFF bold backgroun
#left h1.green #000000 background-color: #
Tag Inspector
Files
Files Assets
021__wurfscheibe.de
Local view
Templates
.htaccess
basket-preview.dwt
basket.dwt
master.dwt
newsletter-subscribe-mail.dwt
newsletter-unsubscribe-mail.dwt
newsletter.dwt
order-backoffice-error-mail.dwt
order-backoffice-mail.dwt
order-confirmation-mail.dwt
order-confirmation.dwt
order-prepayment-mail.dwt
order-prepayment.dwt
order-sandbox.dwt
order.dwt
products-add.dwt
.htaccess
agbs.php
1 local items selected totalling 5200 bytes.

```
$ svn propset svn:externals common 'http://sourceforge.net/code' .
property 'svn:externals' set on '.'
$ svn commit
$ svn up
Fetching external item into 'common'
```

```
$ echo "gem 'nokogiri'" >> Gemfile
$ bundle install
…12 MB logoutput here…
$ git add …
$ git push origin master
```

BUNDLE EXEC FOREMAN RUN RAKE DB:MIGRATE

✌🏻

rails new

```
λ  villafix  tree config
config
├── application.rb
├── boot.rb
├── database.yml
├── environment.rb
├── environments
│   ├── development.rb
│   ├── production.rb
│   └── test.rb
├── initializers
│   ├── backtrace_silencers.rb
│   ├── cookies_serializer.rb
│   ├── filter_parameter_logging.rb
│   ├── inflections.rb
│   ├── mime_types.rb
│   ├── session_store.rb
│   └── wrap_parameters.rb
├── locales
│   └── en.yml
├── routes.rb
└── secrets.yml

3 directories, 17 files
```

CONFIGURE YOUR ENV WITHIN YOUR ENV

```
ENV['AWS_SECRET']
```

~~ENV['AWS_SECRET']~~

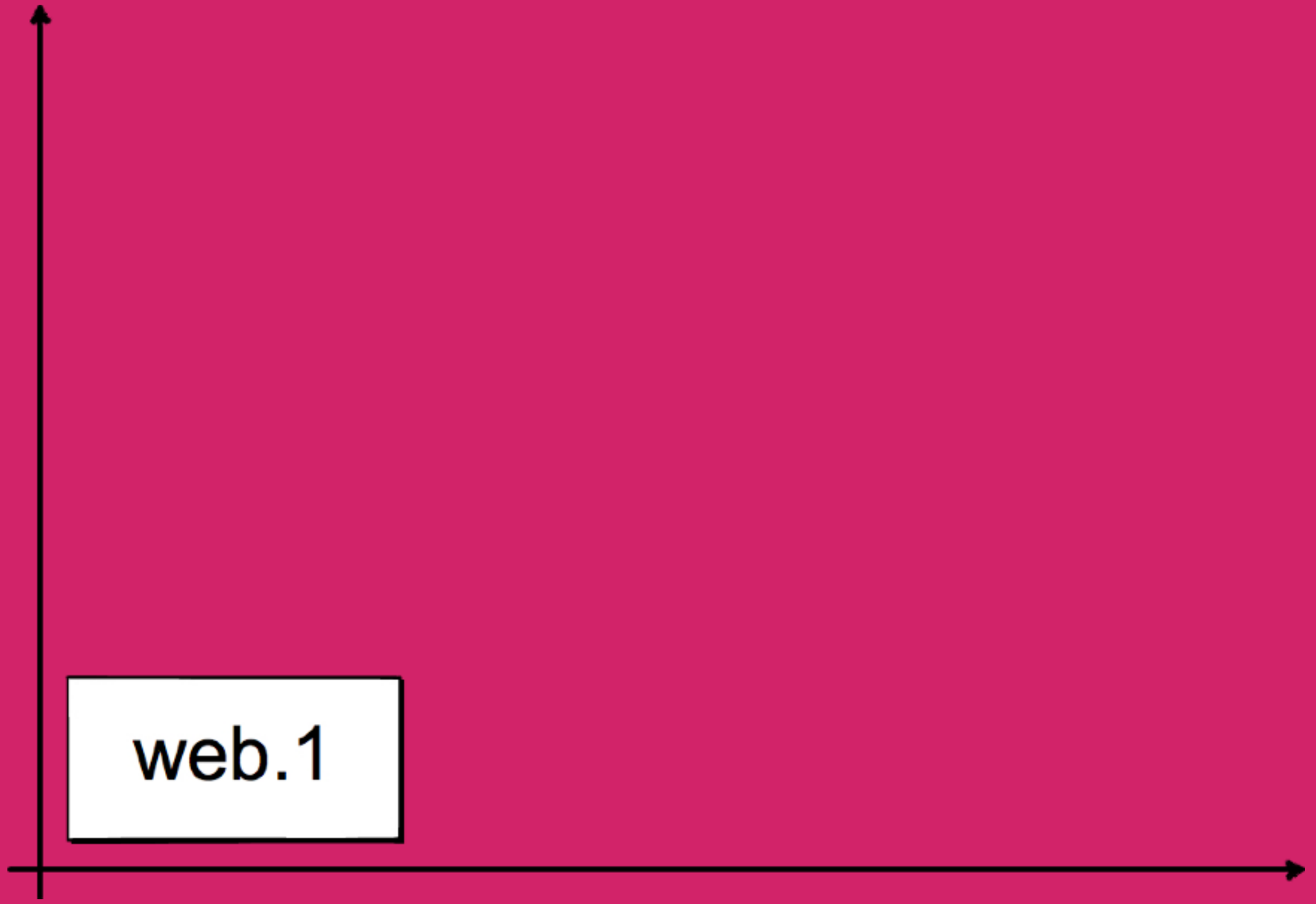
ENV.fetch('AWS_SECRET')

FUCK THE STATE

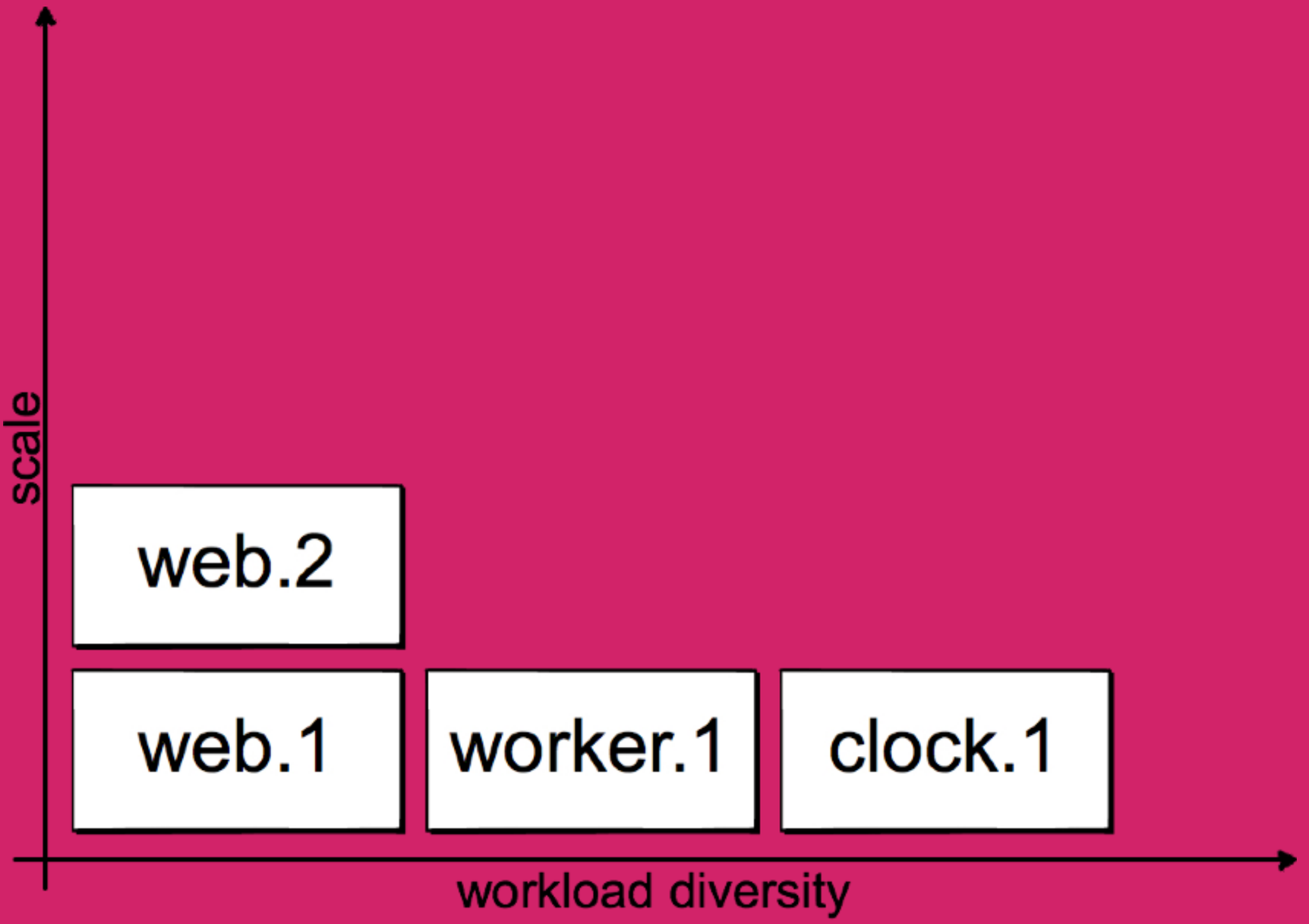
Oh,

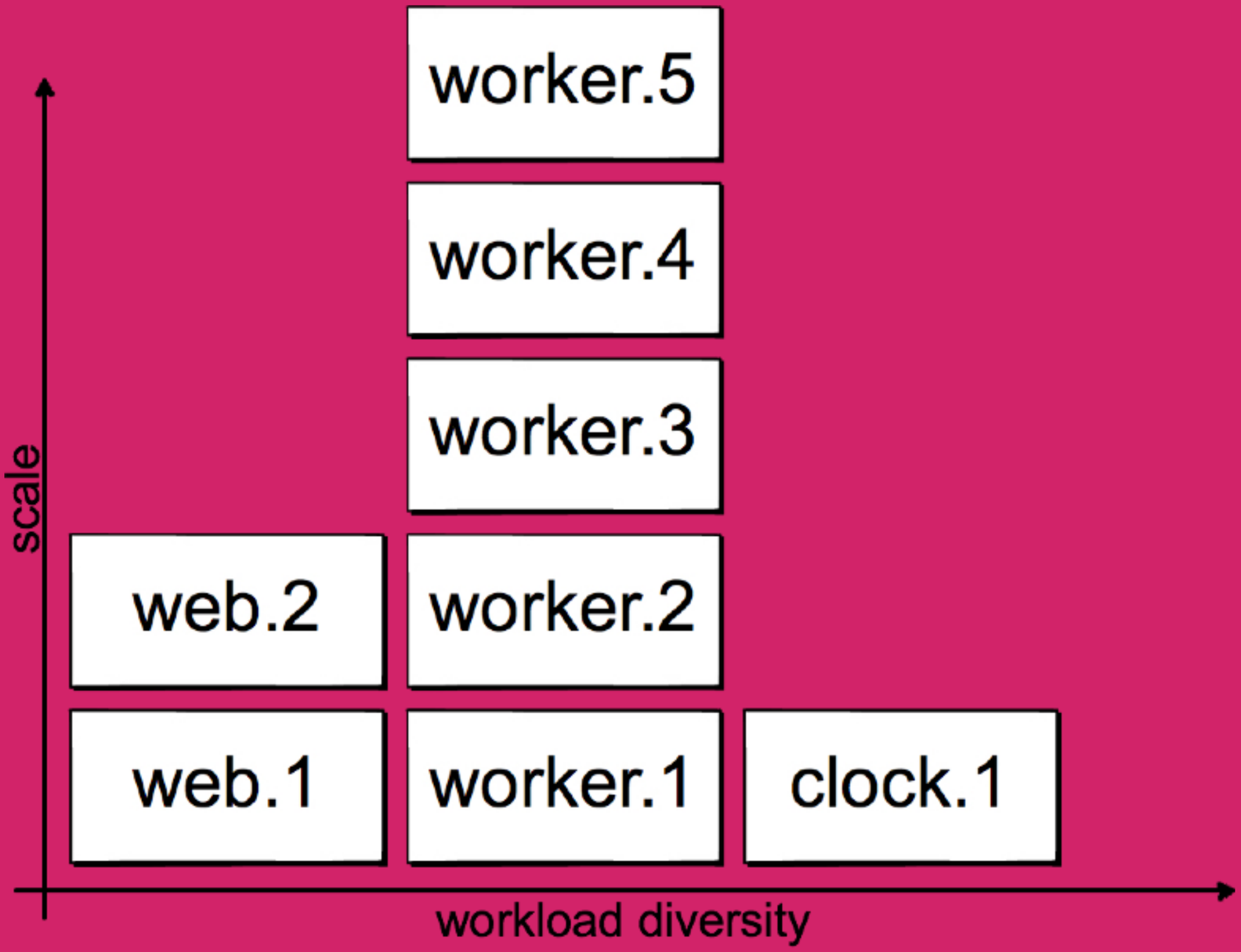
- LOAD OF COMPLEXITY

SCALING++


web.1

scale
web.1
workload diversity


scale
web.2
web.1
worker.1
clock.1
workload diversity


worker.5
worker.4
worker.3
web.2
worker.2
web.1
worker.1
clock.1
scale
workload diversity

YAY, SCALING
CATTLE VS PET

DISPOSABILITY

```
Sep 09 15:34:28 hatos app/web.2: method=GET path=/api/patch_level/1228 format=json controller=api/design_versions action=index status=200 duration=16.58 view=0.34 db=7.37
Sep 09 15:34:28 safe-oasis app/web.2: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/324/1228/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/324/1272/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#request=1 measure#request.time=100ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 safe-oasis app/web.2: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/278/1227/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/278/1262/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#backend.status.3xx=1
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#request=1 measure#request.time=97ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#backend.status.3xx=1
Sep 09 15:34:28 safe-oasis app/web.1: info: source=web.1 count#request=1 measure#request.time=55ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/1140" host=live.dmp.jimdo-server.com request_id=0413311d-62c8-47db-bb40-5b586b5a8335 fwd="199.27.76.24" dyno=web.1 connect=1ms service=18ms status=200 bytes=477
Sep 09 15:34:28 hatos app/web.1: method=GET path=/api/patch_level/1140 format=json controller=api/design_versions action=index status=200 duration=10.06 view=0.15 db=2.98
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#request=1 measure#request.time=124ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 safe-oasis app/web.2: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/298/1191/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/298/1193/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/312/1145/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=0541d52a-fdf0-4930-a472-df92606f6593 fwd="185.31.18.24" dyno=web.2 connect=2ms service=253ms status=304 bytes=1166
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/1227" host=live.dmp.jimdo-server.com request_id=f00d4462-bdf7-4567-9283-7009a0c15146 fwd="199.27.76.28" dyno=web.1 connect=3ms service=22ms status=200 bytes=476
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/1128" host=live.dmp.jimdo-server.com request_id=fda41c5b-1a17-467d-a369-f31d6f874564 fwd="199.27.76.23" dyno=web.1 connect=0ms service=15ms status=200 bytes=476
Sep 09 15:34:28 safe-oasis app/web.1: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/319/1223/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/319/1277/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis app/web.1: info: source=web.1 count#request=1 measure#request.time=63ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 safe-oasis app/web.1: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/328/1140/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/328/1238/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis app/web.1: info: source=web.1 count#backend.status.3xx=1
Sep 09 15:34:28 hatos app/web.1: method=GET path=/api/patch_level/1128 format=json controller=api/design_versions action=index status=200 duration=9.57 view=0.25 db=2.79
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/319/1223/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=5a75658f-7f21-426b-911e-a6e81e8ca17b fwd="185.31.18.21" dyno=web.1 connect=1ms service=251ms status=304 bytes=1168
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/324/1228/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=80c07c07-f922-478f-ad96-d86375f7bc16 fwd="185.31.18.31" dyno=web.2 connect=1ms service=290ms status=304 bytes=1167
Sep 09 15:34:28 hatos app/web.2: method=GET path=/api/patch_level/1191 format=json controller=api/design_versions action=index status=200 duration=20.16 view=0.27 db=5.58
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/1214" host=live.dmp.jimdo-server.com request_id=df40df83-fe5a-4238-aff3-670059ebb707 fwd="199.27.78.28" dyno=web.1 connect=2ms service=14ms status=200 bytes=470
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/1191" host=live.dmp.jimdo-server.com request_id=6646fc73-c749-48d5-92a3-f2e7dc50f956 fwd="199.27.78.28" dyno=web.2 connect=1ms service=31ms status=200 bytes=469
Sep 09 15:34:28 safe-oasis app/web.1: info: source=web.1 count#backend.status.3xx=1
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#request=1 measure#request.time=62ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/328/1140/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=83a88726-5065-4366-87d2-896c7049d3bf fwd="185.31.18.30" dyno=web.1 connect=0ms service=254ms status=304 bytes=1167
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/278/1227/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=d9ef59f6-d49b-418b-9bac-4a857b0b87b7 fwd="185.31.18.31" dyno=web.2 connect=1ms service=296ms status=304 bytes=1168
Sep 09 15:34:28 hatos app/web.2: method=GET path=/api/patch_level/899 format=json controller=api/design_versions action=index status=200 duration=43.75 view=0.28 db=35.39
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/899" host=live.dmp.jimdo-server.com request_id=f8566d48-6581-4db1-b8df-da1e30724876 fwd="199.27.76.20" dyno=web.2 connect=2ms service=59ms status=200 bytes=476
Sep 09 15:34:28 safe-oasis app/web.1: info: source=web.1 count#request=1 measure#request.time=107ms count#patch=0 count#backend.error=0
Sep 09 15:34:28 safe-oasis app/web.1: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/311/899/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/311/899/screenshots/medium.jpg
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/1212" host=live.dmp.jimdo-server.com request_id=668c509b-5bf1-4302-8a3c-0801f00c4b86 fwd="199.27.76.29" dyno=web.1 connect=1ms service=16ms status=200 bytes=475
Sep 09 15:34:28 hatos app/web.1: method=GET path=/api/patch_level/1214 format=json controller=api/design_versions action=index status=200 duration=8.57 view=0.19 db=2.81
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/286/1128/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=629e5774-a5a6-4657-a2fa-54eee0b6aa59 fwd="185.31.18.24" dyno=web.2 connect=1ms service=253ms status=304 bytes=1166
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#request=1 measure#request.time=108ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 safe-oasis app/web.2: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/286/1128/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/286/1244/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#backend.status.3xx=1
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#backend.status.3xx=1
Sep 09 15:34:28 hatos app/web.1: method=GET path=/api/patch_level/1212 format=json controller=api/design_versions action=index status=200 duration=9.44 view=0.17 db=3.34
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/298/1191/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=03a8c426-589c-41af-b514-5013bd05095b fwd="185.31.18.33" dyno=web.2 connect=2ms service=340ms status=304 bytes=1168
Sep 09 15:34:28 safe-oasis app/web.2: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/317/1214/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/317/1270/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#request=1 measure#request.time=64ms count#patch=0 count#backend.error=0
Sep 09 15:34:28 safe-oasis app/web.2: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/292/1212/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/292/1212/screenshots/medium.jpg
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#backend.status.3xx=1
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#backend.status.3xx=1
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/292/1212/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=9e8ea3f6-09c8-4089-85d6-de80c71e4213 fwd="185.31.18.33" dyno=web.2 connect=1ms service=257ms status=304 bytes=1168
Sep 09 15:34:28 safe-oasis heroku/router: at=info method=GET path="/311/899/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=dcf41e49-122c-43f0-b153-d10c720c0968 fwd="185.31.18.35" dyno=web.1 connect=1ms service=300ms status=304 bytes=1167
Sep 09 15:34:28 safe-oasis app/web.1: info: source=web.1 count#backend.status.3xx=1
Sep 09 15:34:28 hatos heroku/router: at=info method=GET path="/api/patch_level/987" host=live.dmp.jimdo-server.com request_id=ff159aa3-abec-4299-b215-29a42cb46cef fwd="199.27.78.21" dyno=web.2 connect=31ms service=146ms status=200 bytes=469
Sep 09 15:34:28 safe-oasis app/web.2: info: source=web.2 count#request=1 measure#request.time=239ms count#patch=1 count#backend.error=0
Sep 09 15:34:28 hatos app/web.2: method=GET path=/api/patch_level/987 format=json controller=api/design_versions action=index status=200 duration=121.15 view=0.27 db=43.46
Sep 09 15:34:28 safe-oasis app/web.2: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/297/987/screenshots/medium.jpg proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/297/1019/screenshots/medium.jpg
Sep 09 15:34:29 safe-oasis app/web.2: info: source=web.2 count#backend.status.3xx=1
Sep 09 15:34:29 safe-oasis heroku/router: at=info method=GET path="/297/987/screenshots/medium.jpg" host=design-proxy.dmp.jimdo-server.com request_id=e8c1c6e3-63a3-4ef8-94c7-5095dc7cea04 fwd="185.31.18.33" dyno=web.2 connect=1ms service=434ms status=304 bytes=1167
Sep 09 15:34:29 hatos heroku/router: at=info method=GET path="/api/patch_level/1250" host=live.dmp.jimdo-server.com request_id=46c73c8b-5184-4070-b756-9feaad479e2b fwd="199.27.76.30" dyno=web.1 connect=1ms service=14ms status=200 bytes=477
Sep 09 15:34:29 hatos app/web.1: method=GET path=/api/patch_level/1250 format=json controller=api/design_versions action=index status=200 duration=8.61 view=0.15 db=3.26
Sep 09 15:34:29 safe-oasis app/web.1: info: source=web.1 count#request=1 measure#request.time=59ms count#patch=0 count#backend.error=0
Sep 09 15:34:29 safe-oasis app/web.1: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/293/1250/assets/css/variction-lively.css proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/293/1250/assets/css/variation-lively.css
Sep 09 15:34:29 safe-oasis app/web.1: info: source=web.1 count#backend.status.3xx=1
Sep 09 15:34:30 safe-oasis heroku/router: at=info method=GET path="/293/1250/assets/css/variction-lively.css" host=design-proxy.dmp.jimdo-server.com request_id=701f173a-a55e-42bc-bafd-af2825434c82 fwd="103.245.224.22" dyno=web.1 connect=2ms service=250ms status=304 bytes=977
Sep 09 15:34:31 hatos heroku/router: at=info method=GET path="/api/patch_level/1281" host=live.dmp.jimdo-server.com request_id=1b6bc219-b047-4f59-a5ea-dbf77a18d63b fwd="199.27.76.35" dyno=web.2 connect=3ms service=79ms status=200 bytes=477
Sep 09 15:34:32 hatos app/web.2: method=GET path=/api/patch_level/1281 format=json controller=api/design_versions action=index status=200 duration=39.17 view=0.43 db=20.70
Sep 09 15:34:32 safe-oasis app/web.1: info: source=web.1 count#request=1 measure#request.time=129ms count#patch=0 count#backend.error=0
Sep 09 15:34:32 safe-oasis heroku/router: at=info method=GET path="/283/1281/assets/manifest.json" host=design-proxy.dmp.jimdo-server.com request_id=8f8525f1-9df5-450c-8670-b596cb9104b8 fwd="23.235.43.33" dyno=web.1 connect=2ms service=335ms status=304 bytes=1028
Sep 09 15:34:32 safe-oasis app/web.1: info: method=GET request=http://design-proxy.dmp.jimdo-server.com/283/1281/assets/manifest.json proxying_to=http://prod-jimdo-designmarketplace.s3.amazonaws.com/283/1281/assets/manifest.json
Sep 09 15:34:32 safe-oasis app/web.1: info: source=web.1 count#backend.status.3xx=1
Sep 09 15:34:35 hatos heroku/router: at=info method=GET path="/api/patch_level/1099" host=live.dmp.jimdo-server.com request_id=e667796c-5383-49df-a639-01a08f60f94b fwd="199.27.76.28" dyno=web.2 connect=2ms service=20ms status=200 bytes=476
Sep 09 15:34:35 hatos app/web.2: method=GET path=/api/patch_level/1099 format=json controller=api/design_versions action=index status=200 duration=11.86 view=0.20 db=4.62
```

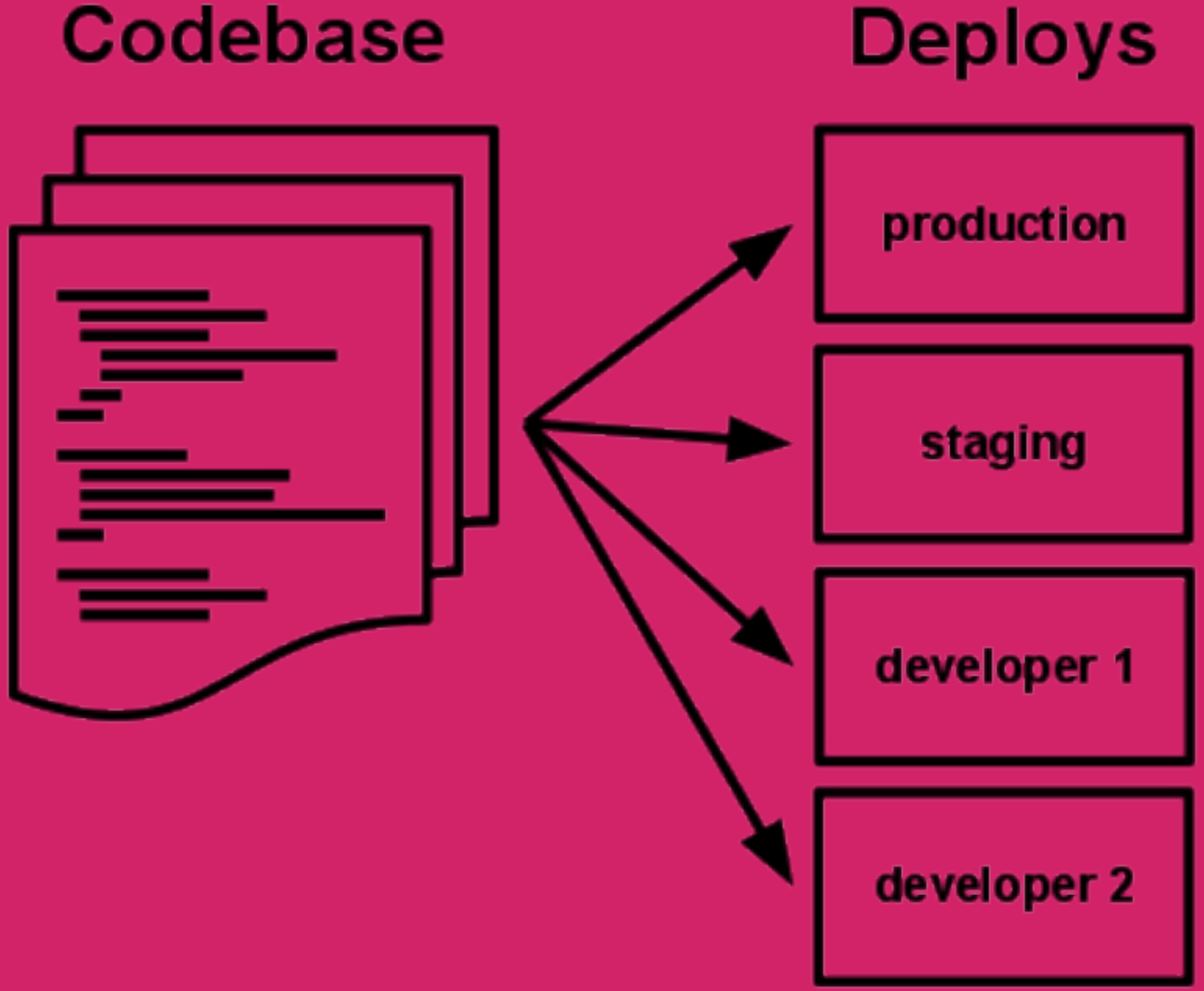
THERE IS NO LOG
EVERYTHING IS A EVENT STREAM

WASTING RESSOURCES

WASTING RESSOURCES

The 12 Factor App

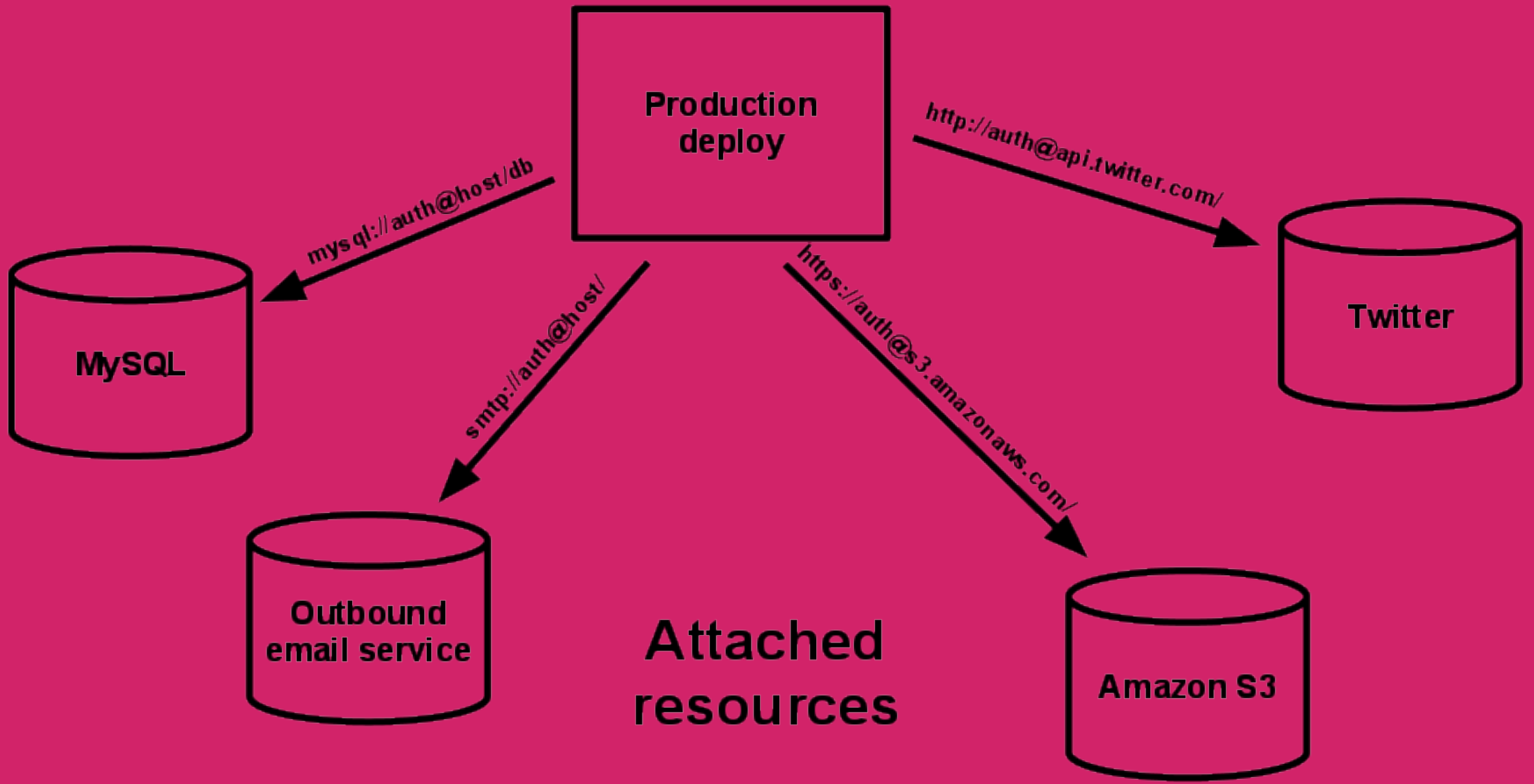
1. Codebase


Codebase
Deploys
production
staging
developer 1
developer 2

2. Dependencies

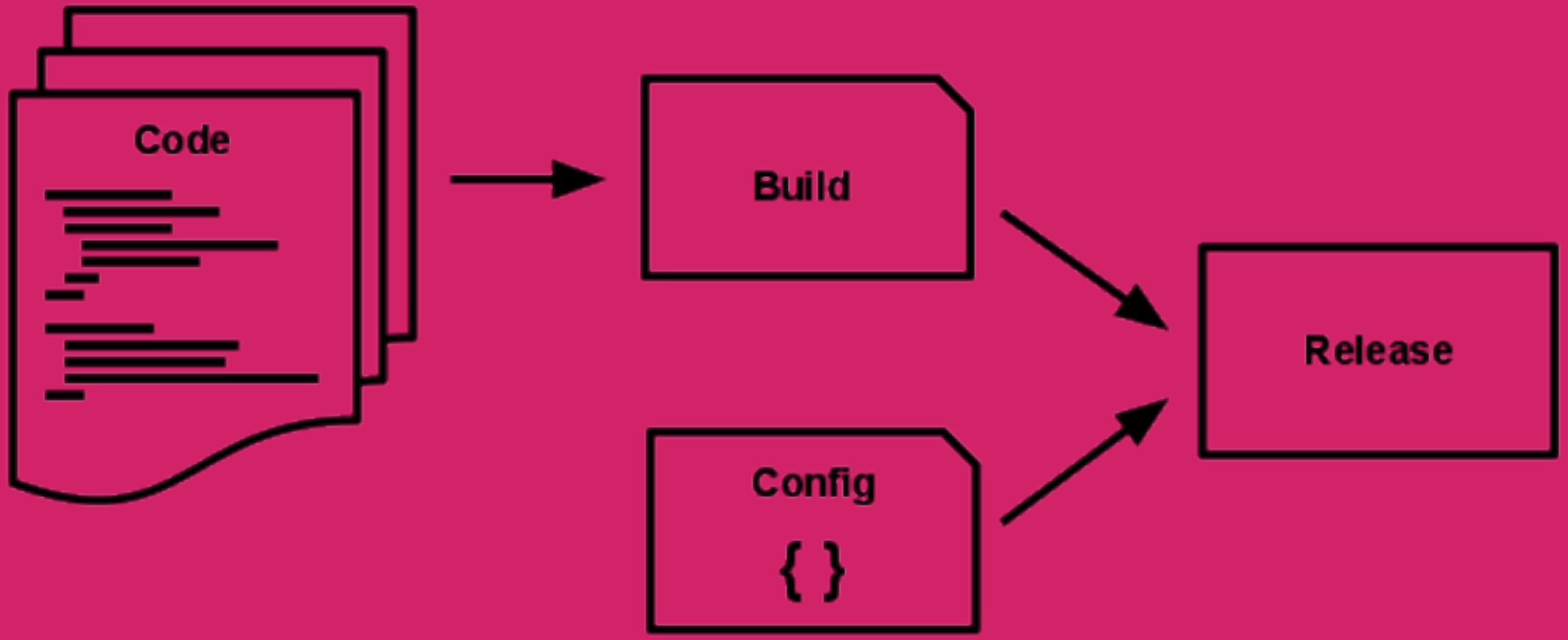
3. Config

4. Backing Services



Attached resources

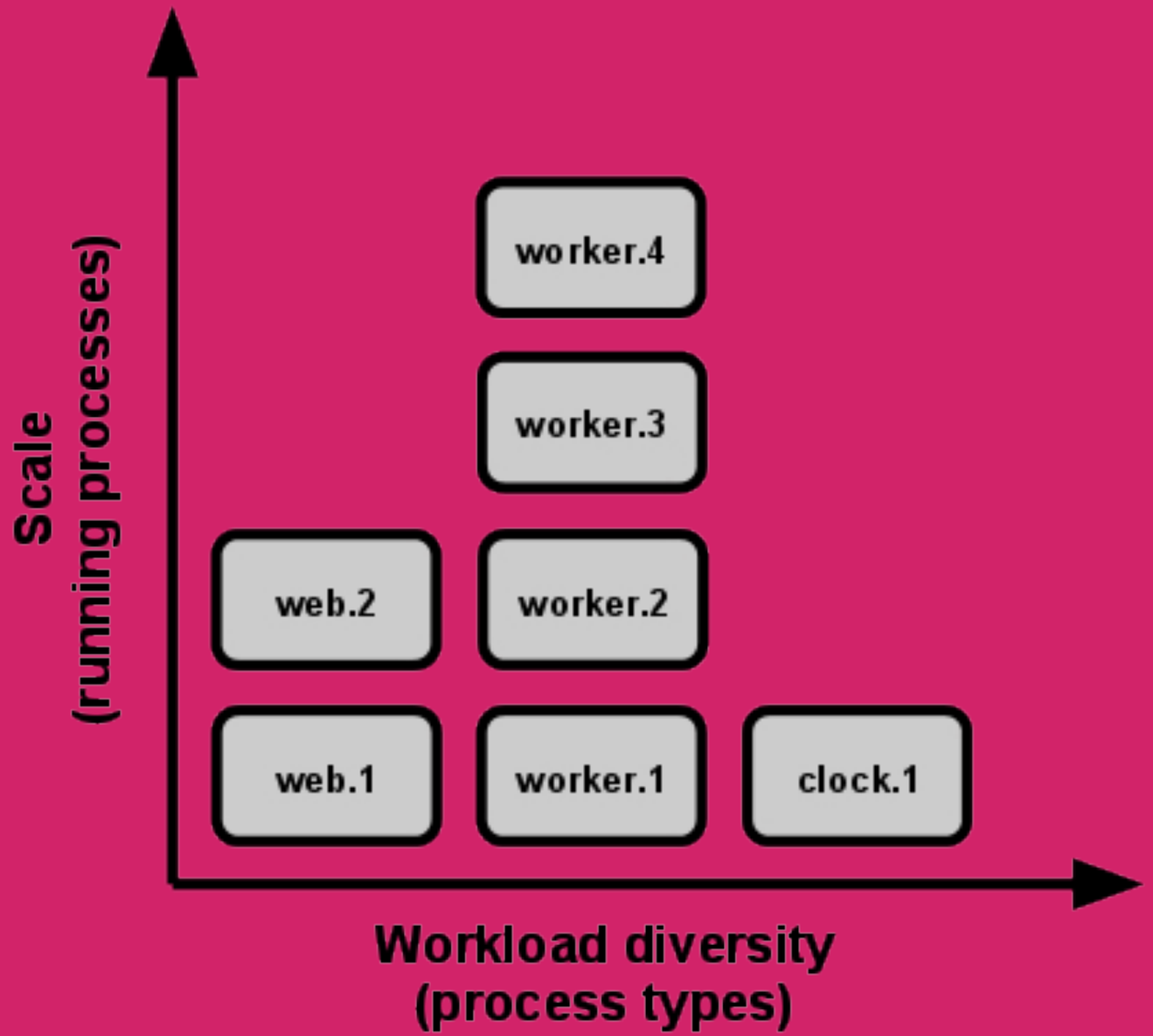
5. Build, release, run


Code
Build
Release
Config
{ }

6. Processes

7. Port binding

8. Concurrency


Scale
(running processes)
worker.4
worker.3
web.2
worker.2
web.1
worker.1
clock.1
Workload diversity
(process types)

9. Disposability

10. Dev/prod parity

11. LOGS

12. Admin processes

The Manifesto

http://12factor.net/

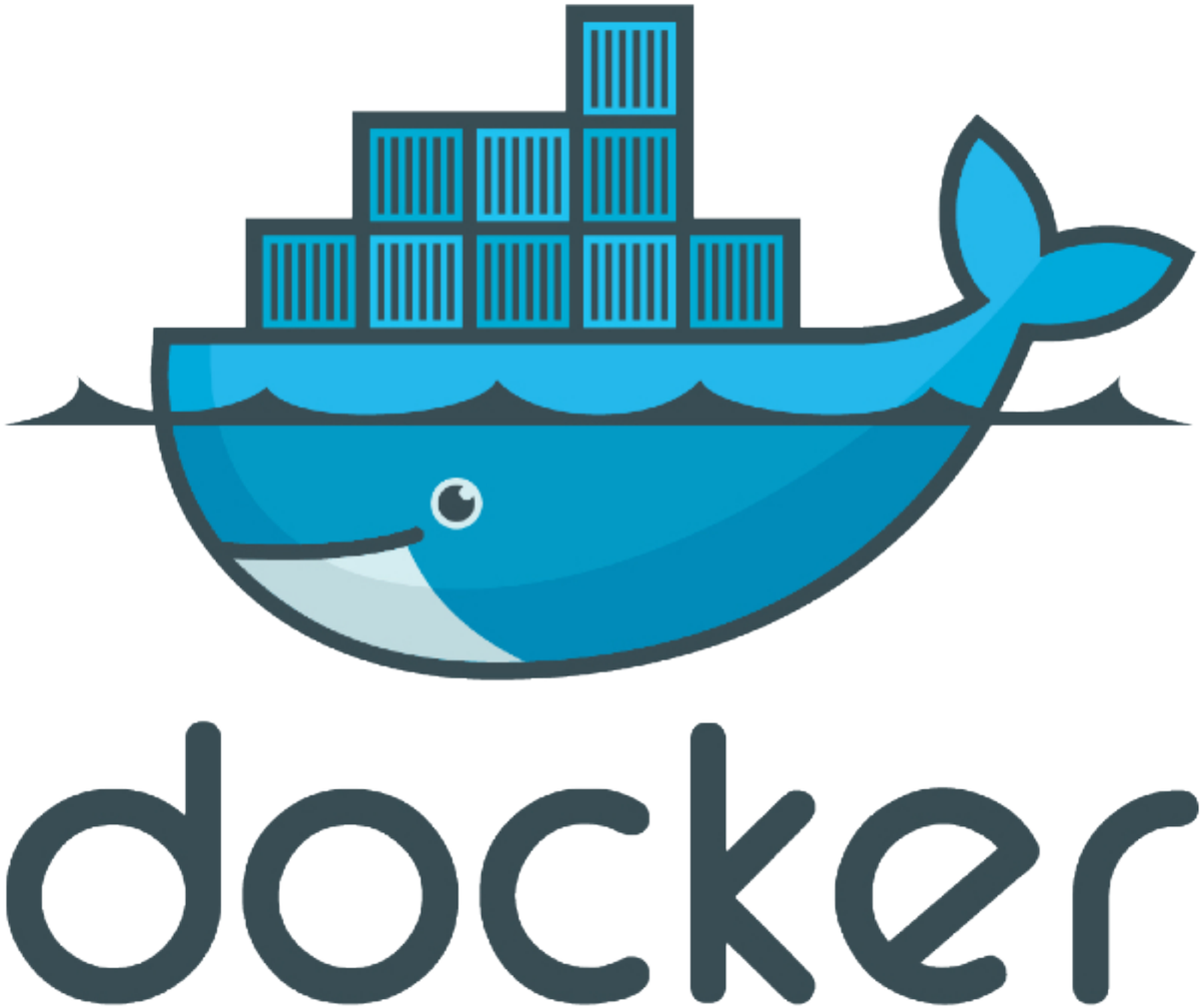
You: Ok, Ole. But that's very theoretical

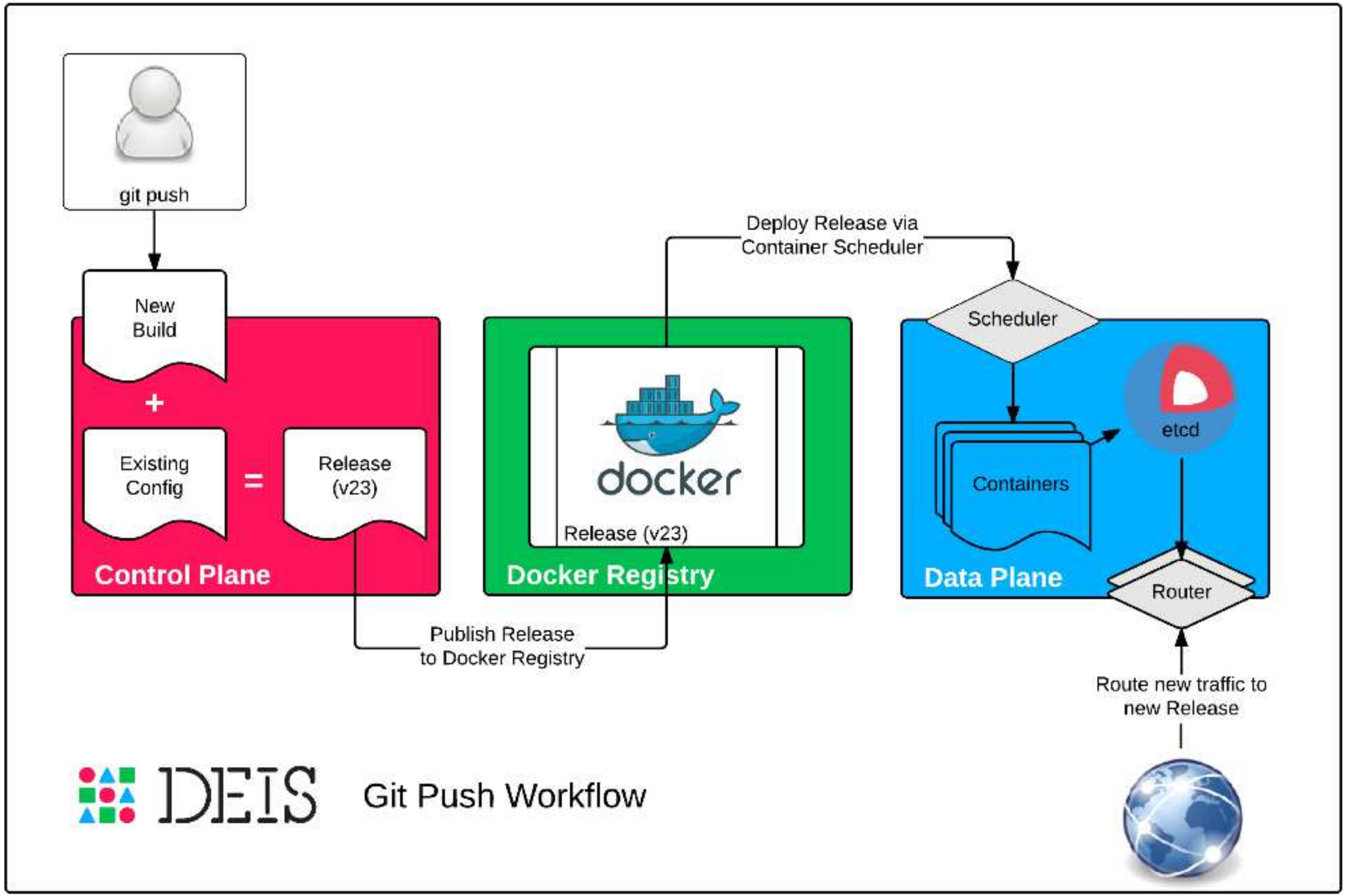
Me: Well, yeah...

12 Factor Apps in the Wild

CAPTAIN
OBVIOUS

heroku


docker


git push
New Build
+
Existing Config
=
Release (v23)
Control Plane
Deploy Release via Container Scheduler
docker
Release (v23)
Docker Registry
Scheduler
etcd
Containers
Data Plane
Router
Publish Release to Docker Registry
Route new traffic to new Release
DEIS
Git Push Workflow

Microsoft Azure

A QUICK NOTE ON CONTAINERS

AND BUILD PACKS

UP!

1. GIVES YOUR APP DESIGN A NAME

2. 100% FREE SCALABILITY

3. MAKES YOUR APPS RUN EVERYWHERE

ALL MODERN PLATFORMS EXPECT YOU TO BUILD 12 FACTOR APPS, BECAUSE IT JUST MAKES SENSE™

— me

Thanks!

Q & A IF YOU WANT

@CodeStars

Ole.Michaelis@gmail.com

PROPS AND KUDOS TO ADAM WIGGINS AND HEROKU FOR KICKING OFF THE 12 FACTOR MANIFESTO

Further Reading:

- http://12factor.net/
- https://speakerdeck.com/craigkerstiens/12-factor-app
- http://bit.ly/the-story-behind-one-wired-trick
- http://eng.joingrouper.com/blog/2014/09/02/configuring-rails-environments/
- https://www.ruby-toolbox.com/projects/foreman
- https://github.com/heroku/12factor

Sources:

- http://www.haaretz.co.il/st/inter/Heng/Products/dinosaur2.jpg
- http://smartydwt.klitsche.org/res/source-formatting-big.png
- http://unsplash.com/post/93258581869/download-by-geoffrey-arduini

STATS FOR THIS TALK

3x OSCAR THE GROUCH, 2x 💩, 2x 🚀, 1x ✌🏻 & 💖, 0x POLICE THIS TIME[2]

[2] http://slidr.io/nesQuick/queue-it-what-job-queues-can-do-for-you-1#3