

Building the World's Largest Studio at **Netflix**

RubyConf Australia, 2018
By Lauren Tan





Lauren Tan



sugarpirate_

poteto

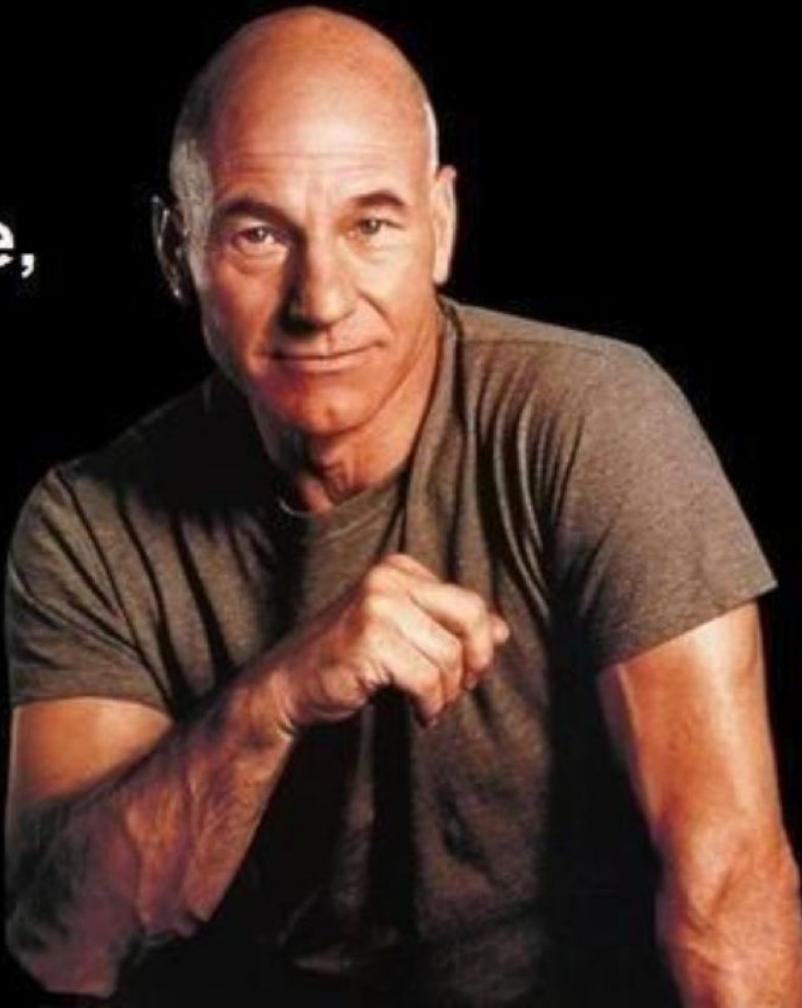
Philosopher

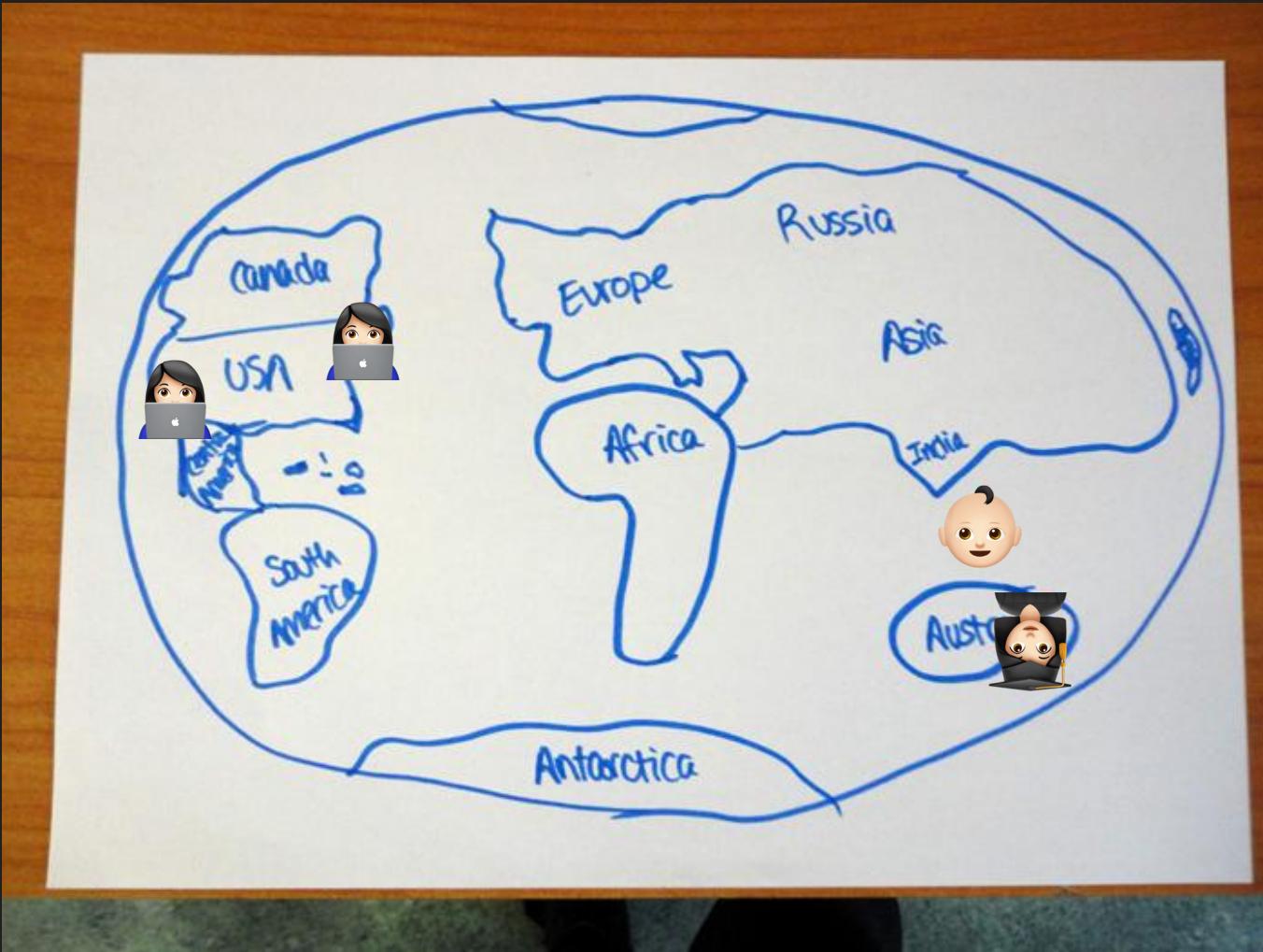
From Wikipedia, the free encyclopedia

A **philosopher** is someone who frequently expresses their dumbass opinions online, which involves a

**"Use the force,
Harry"**

- Gandalf



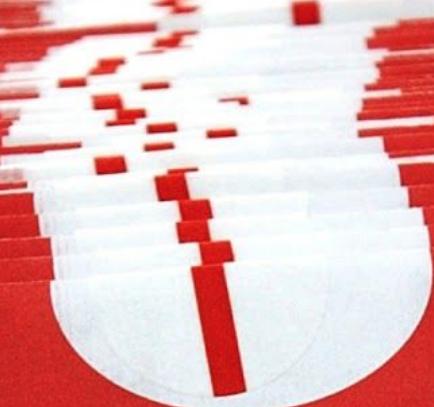






A dark, atmospheric photograph of a night sky. A full moon hangs in the upper center, casting a pale glow. Below it, dark, billowing clouds are scattered across the sky. At the bottom of the frame, a body of water reflects the light from the moon and clouds, creating a shimmering path of light on the dark surface.

Big things have small
beginnings



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America: Freedom to...

Enron: The Smartest Guys...

Super Size Me

Shenkybaby

Foxcon

in the Room

Super Size Me

Play

Play

Play

Play



[More Suggestions For You >](#)

Your Video Quality



Good

How your Internet speed
affects video quality >

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Favorite Genres:

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Comedy

Drama

Independent

Sci-Fi & Fantasy

Thrillers

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Auschwitz: Inside the Nazi State:
Episode 1: "Surprising Beginnings"

Play



From Your DVD Queue

12 Monkeys

Black Rain





Blockbuster ✅

@blockbuster

Follow



Tweet why you're leaving Netflix. The top three most creative tweets using **#GoodbyeNetflix** will win a 1-year subscription to Blockbuster!

12:55 PM - 21 Sep 2011

23,256 Retweets 21,421 Likes



1.0K



23K



21K



Netflix - Watch TV Shows Online

Secure https://www.netflix.com

Lauren

Sign In

See what's next.

WATCH ANYWHERE. CANCEL ANYTIME.

JOIN FREE FOR A MONTH

when the netflix asks if you're "still
watching" and you see your reflection
in the black screen





Netflix US @netflix

Following

Truth wins. Thanks to [@TheAcademy](#), and congratulations to [@BryanFogel](#) and the entire [@IcarusNetflix](#) team



5:40 PM - 4 Mar 2018

New Netflix App Digitizes Prod x Lauren

variety.com/2018/digital/news/netflix-move-app-production-technology-1202720581/?lipi=urn%3Ali%3Apage%3Ad_flagship3_feed%3BuZYXnx8dQx62JVkVgtX%2BfA... 54

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VARIETY ≡ FILM TV MUSIC TECH POLITICS THEATER REAL ESTATE AWARDS VIDEO V500

HOME > DIGITAL > NEWS MARCH 7, 2018 8:44AM PT

Netflix's Newest App Isn't for Consumers, but the People Making Its Shows

By Janko Roettgers | [@jank0](#)



Most Viewed

 Michael B. Jordan to Adopt Inclusion Rider on All Future Projects

 NYPD 'Has A Lot of Information' on Weinstein

 'The Bachelor': ABC Exec Reveals the Real Story Behind Arie's

Must Read

Netflix Lauren

Secure <https://www.netflix.com/title/80134431>

NETFLIX Home TV Shows Movies Originals Recently Added My List

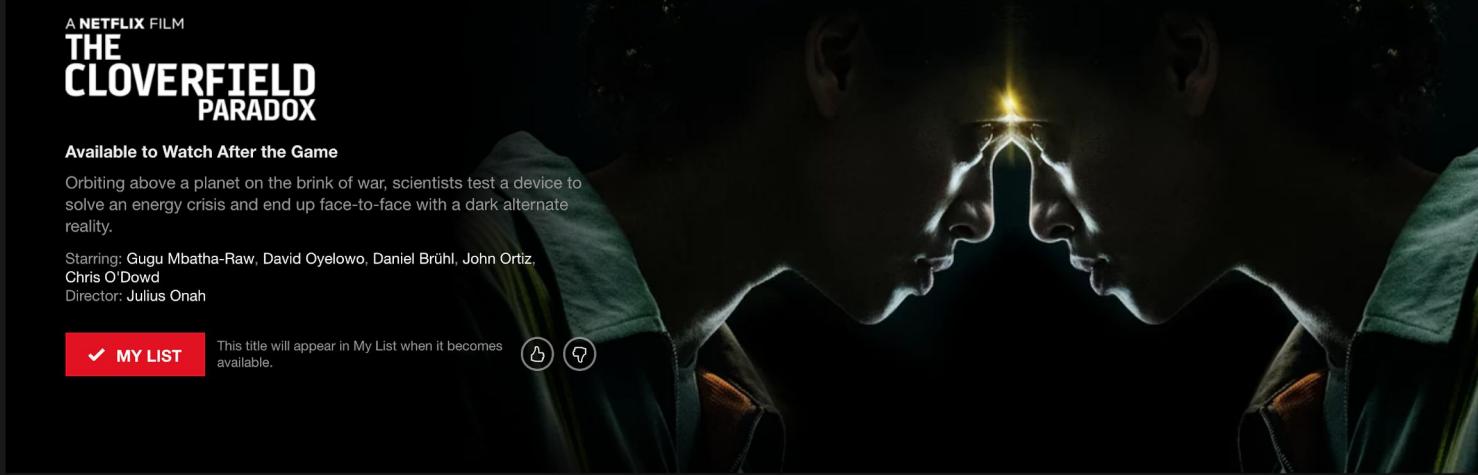
A NETFLIX FILM
THE CLOVERFIELD PARADOX

Available to Watch After the Game

Orbiting above a planet on the brink of war, scientists test a device to solve an energy crisis and end up face-to-face with a dark alternate reality.

Starring: Gugu Mbatha-Raw, David Oyelowo, Daniel Brühl, John Ortiz, Chris O'Dowd
Director: Julius Onah

✓ MY LIST This title will appear in My List when it becomes available.  



NETFLIX ORIGINALS



M Artwork Personalization at Net Lauren

[A Medium Corporation \[US\]](#) <https://medium.com/netflix-techblog/artwork-personalization-c589f074ad76>

perfect image on your homepage (and as they say: an image is worth a thousand words), then maybe, just maybe, you will give it a try. This is yet another way Netflix differs from traditional media offerings: we don't have one product but over a 100 million different products with one for each of our members with *personalized recommendations* and *personalized visuals*.

Top highlight

23K





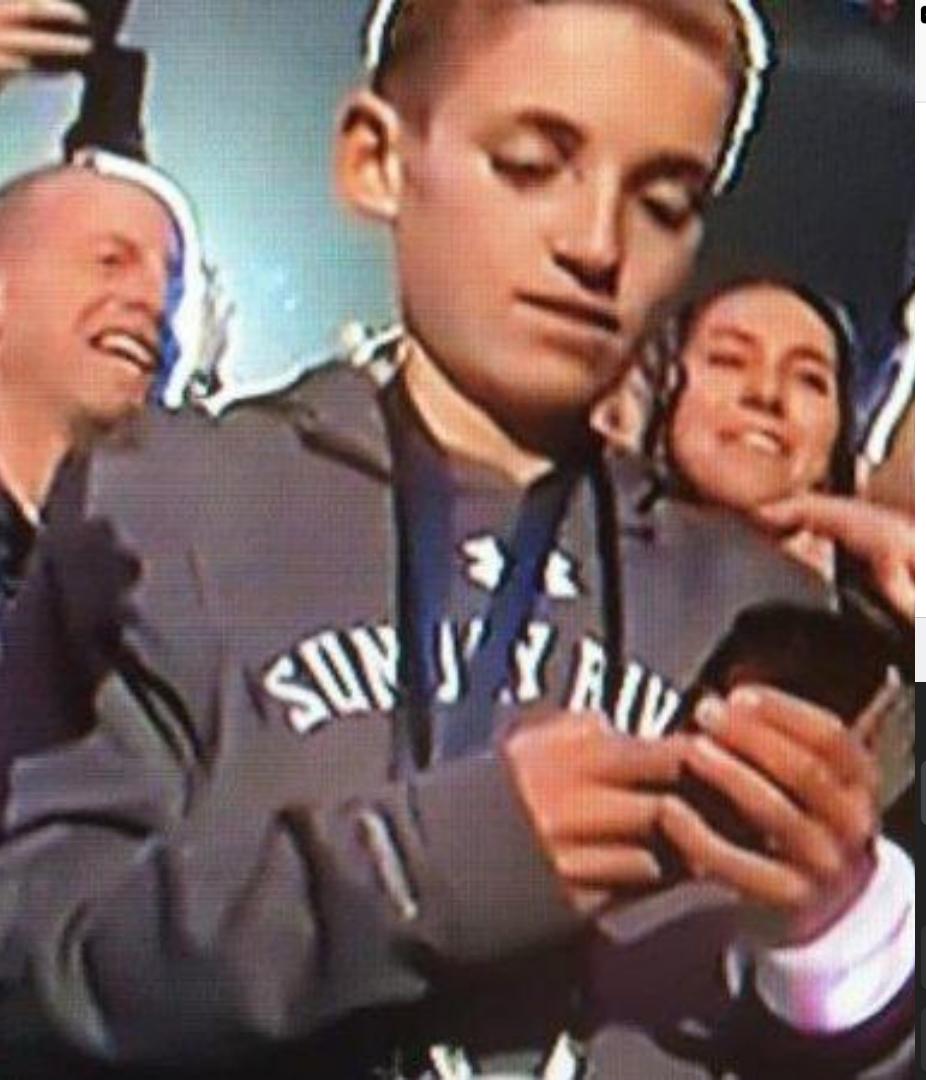


 Top highlight

 A screenshot of a computer monitor displaying the Netflix homepage. The main focus is a large promotional image for the TV show 'Stranger Things'. Below the image, the 'Popular on Netflix' section lists several shows: 'STRANGER THINGS', 'BRIGHT', 'MARVEL'S THE PUNISHER', 'MINDHUNTER', and 'THE CROWN'. At the bottom, the 'Recently Watched' section shows: 'THE MEYEROWITZ STORIES (NEW AND SELECTED)', 'AMERICAN VANDAL', 'STAR TREK: DISCOVERY', and 'FULLER HOUSE'. The Netflix logo is visible at the bottom right of the screen.

A woman stands in a dark, atmospheric environment, possibly a space station or a futuristic facility. She wears a dark jacket over a light-colored shirt. To her left, several glowing red spheres, resembling energy cores or alien artifacts, are embedded in a dark, textured surface. The background is filled with deep blue and black shadows, creating a mysterious and science-fictional atmosphere.

|The Dark Ages



Search 5:48 PM 93%

google.com

ALL IMAGES Sign in

GOOGLE

how to make a movie

how to make a movie

Done

G movie move

q w e r t y u i o p

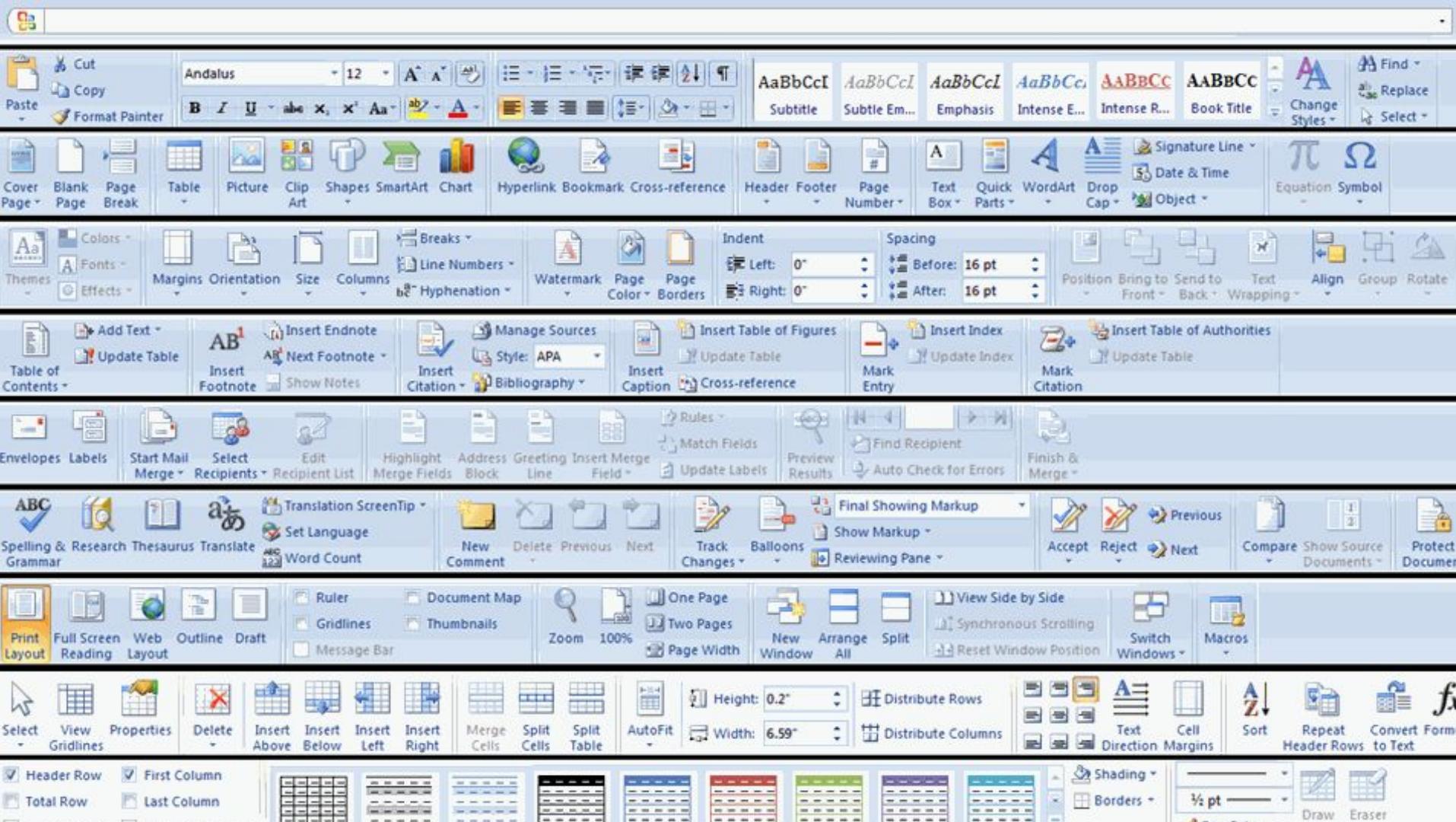
a s d f g h j k l

z x c v b n m

123 , . ? !

Search

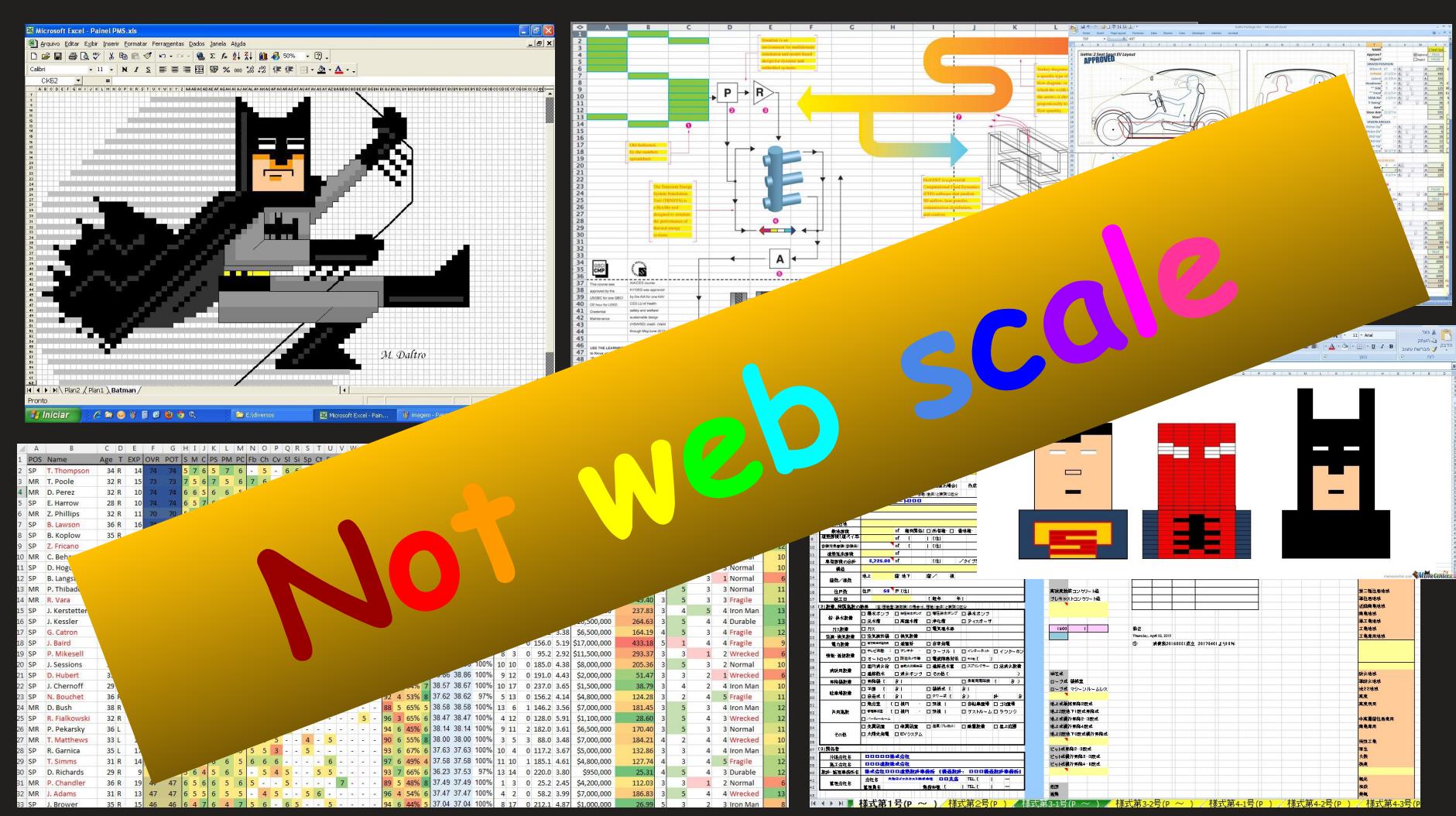
A screenshot of a mobile web browser displaying Google's search interface. The address bar shows "google.com". Below it, there are tabs for "ALL" and "IMAGES", and a "Sign in" button. The main content area features the Google logo with a play button icon. A search bar contains the query "how to make a movie". Below the search bar, a suggestion "how to make a movie" is shown. At the bottom, a keyboard is visible with the "G" key highlighted. The status bar at the top indicates the time is 5:48 PM and the battery level is 93%.











L51563BG02



Projects - Origin Story Lauren

Watched Projects (0)

All Projects Deal Structures Statuses (6) Buying Teams Genres Show All Seasons

Title Deal Structure Content Type Status Buying Team



No Projects Found

Have you tried adjusting your filters or watching a project?

Did you know? Watching a project allows you to follow and be notified of all of a project's changes.







STUDIO
ENGINEERING

Studio Apps





Reed Hastings

April 21 at 1:51pm ·

Follow

Celebrating 100m members the same way I did 1m: a steak alone at Denny's.



Like

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Netfli... Lauren

Secure | https://www.recode.net/2018/1/22/16920150/netflix-q4-2017-earnings-subscribers

  TRENDING TOPICS ▾ WRITERS ▾ MORE ▾  

MEDIA STREAMING TV

Netflix now has nearly 118 million streaming subscribers globally

The streaming company added 8.3 million subscribers last quarter.

By [Rani Molla](#) | [@ranimolla](#) | Jan 22, 2018, 4:52pm EST

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MORE ▾



BUSINESS

ENTERTAINMENT

TECH

Netflix plans to spend \$8 billion to make its library 50 percent original by 2018

51

That includes a whole lot of original anime series

By Nick Statt | @nickstatt | Oct 16, 2017, 8:14pm EDT



SHARE





A photograph of a rustic wooden bridge with a metal railing, spanning a river. The bridge is surrounded by lush green trees and bushes. The water below is dark and reflects the surrounding environment.

| Why Ruby?



WE ARE NETFLIX TEAMS LOCATIONS INCLUSION & DIVERSITY WORK LIFE PHILOSOPHY

Search Jobs



Netflix Culture

Entertainment, like friendship, is a fundamental human need; it changes how we feel and gives us common ground. Netflix is better entertainment at lower cost and greater scale than the world has ever seen. We want to entertain everyone, and make the world smile.

This document is about our unusual employee culture, which is helping us succeed.

Like all great companies, we strive to hire the best and we value integrity, excellence, respect, and collaboration. What is special about Netflix, though, is how much we:



Freedom & Responsibility



Yukihiro Matsumoto

@yukihiro_matz

Follow

FYI, Ruby's birthday (the date I named it) is Feb 24th. Thank you for the messages. I wish more to come. #ruby25th

7:40 AM - 22 Feb 2018

184 Retweets 506 Likes



6

184

506





|MINSWAN

(Matz Is Nice So We Are Nice)

“But Ruby is more playful than that. The syntax is, shall we say, flexible. The runtime can be changed. And that makes developers feel like exploring. *What happens if I do this? How can I do this differently?*”

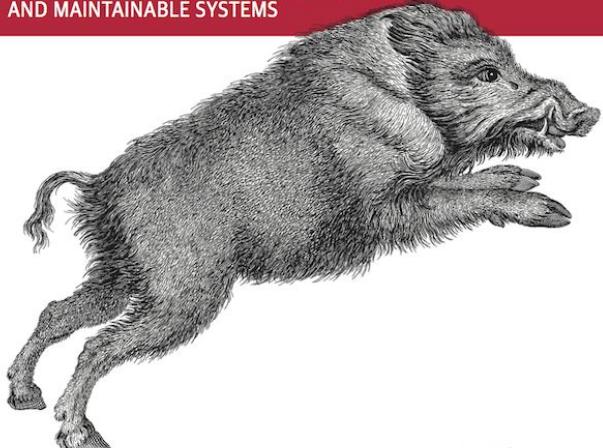
– [Dave Thomas \(@pragdave\)](#)



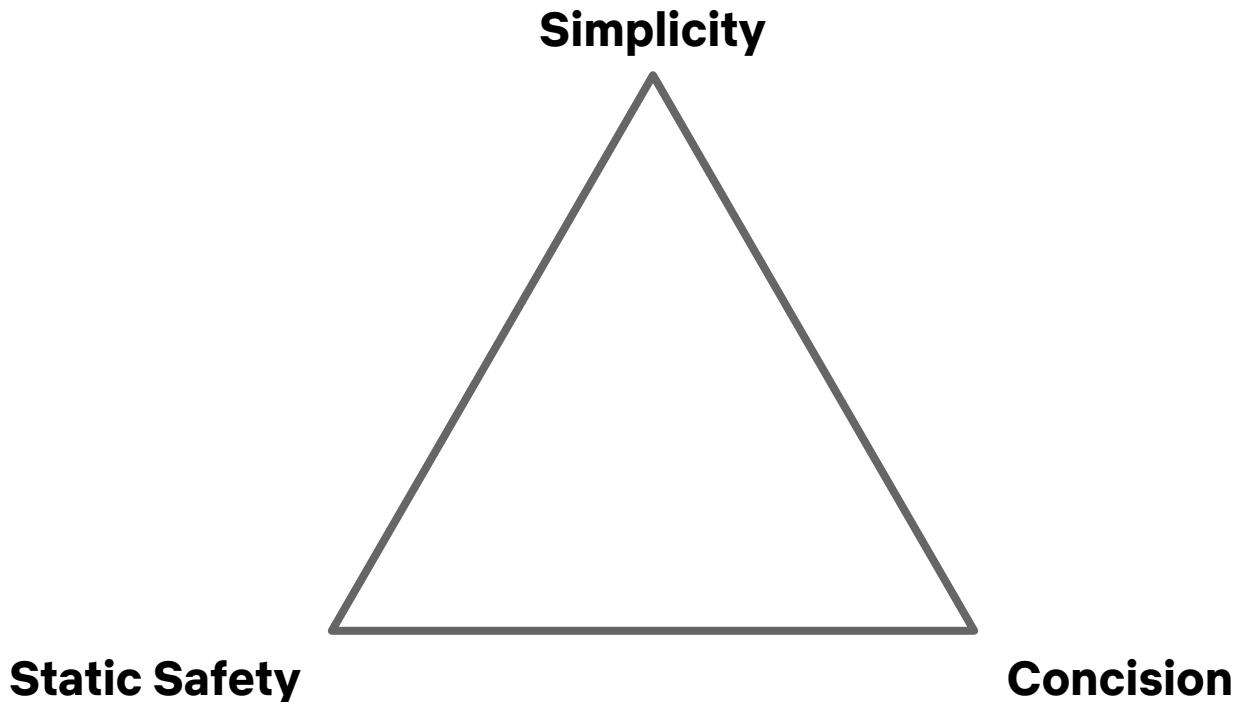
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Designing Data-Intensive Applications

THE BIG IDEAS BEHIND RELIABLE, SCALABLE,
AND MAINTAINABLE SYSTEMS



Martin Kleppmann



Goal

**Shorter time from idea to
business value/impact**

“Computers are easy; people are hard.”



All Things Open 2017 - Bridget Kromhout

Secure <https://www.youtube.com/watch?v=gRHyhbYIBfw>

YouTube Search Lauren

~~Computers are easy, people are hard~~

Massively scalable fault-tolerant distributed systems require a significant engineering effort to build and operate; complex socio-technical systems are even more challenging.

1:20 / 32 @bridgetkromhout #ato2017

All Things Open 2017 - Bridget Kromhout - Computers are easy, people are hard.

16 views

Up next

AUTOPLAY

All Things Open 2017 - Ben Lesh - RxJs

All Things Open 182 views



Nick Takayama

@ntakayama

Follow

The hardest problem in computer science is
not being an opinionated jerk about
everything.

9:59 PM - 26 Mar 2014

3,040 Retweets 3,251 Likes



71



3.0K



3.3K



Thanks Ruby, for having a developer experience so wonderful that I can't stop talking about it.

 **Julia Evans** 
@b0rk

Following

#ruby25th is such a delightful hashtag, I love seeing people talk about a programming language they love

4:16 PM - 21 Feb 2018

8 Retweets 57 Likes 

Comment 1 Retweet 8 Like 57 Email

Ruby is the first programming language I used at work that made me actually enjoy my job. I love being a Ruby programmer! #ruby25th

4:56 PM - 20 Feb 2018

288 Retweets 1,275 Likes 

Tweet your reply

 **Aaron Patterson** @tenderlove · Feb 20
By using Ruby, I was able to meet so many nice people around the world, and I'm really grateful for that. #ruby25th

Comment 2 Retweet 14 Like 190 Email

Ruby was the first language I fell in love with. The community around Ruby allowed me to project the way I see the world, gave me the encouragement to step in to my curiosity and made me who I am today. Thank you, yoroshiku onegaishimasu #ruby25th

 **Linda Liukas**
@lindaliukas

Following



A photograph of two men in a car, both laughing heartily. The man on the left is wearing a blue t-shirt and has a white napkin tucked under his chin. The man on the right is wearing a grey button-down shirt over a yellow t-shirt. They are both wearing seatbelts. The background shows a blurred landscape through the car windows.

Empathy

A photograph of a cozy interior. In the center is a dark-colored wood-burning stove with its glass door open, revealing a bright orange fire inside. To the left of the stove, several logs are stacked on the floor. In the bottom left corner, there's a stack of books. The background shows a large window looking out onto a body of water with bare trees across it. On the windowsill, there are three small wooden horse figurines. A tall, thin vase holder stands to the right of the stove, holding dried flowers. The overall atmosphere is warm and inviting.

|Sharing the pain

M The Majestic Monolith – Signal Lauren

Secure | https://m.signalvnoise.com/the-majestic-monolith-29166d022228

M | Signal v. Noise 

Sign in Get started

HOME OUR GREATEST HITS TRY BASECAMP FREE - ONE PLACE, NOT ALL OVER THE PLACE Q

The Majestic Monolith

3.2K

Some patterns are just about the code. If your code looks like this, and you need it to do that, here's what to do. You'd do well to study such patterns, as they give you a deep repertoire of solutions ready to apply and make your code better every time you hit their context.

Then there are other patterns that are less about the code and more about how the code is being written, by whom, and within which organization. The Majestic Monolith is one of those patterns. But before we dive into all its glory, let's first examine its opposite pattern: Micro/services oriented architecture.

M/SOA is a prescription to break down an application into many smaller parts, run each of these parts as their own application, and then let the constellation solve the grand problem you really care about.

This is a great pattern. No, really. Not being sarcastic here. If you're Amazon or Google or any other software organization with thousands of developers, it's a wonderful way to parallelize opportunities for improvement. Each

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https://m.signalvnoise.com/?source=logo-lo_dnt_573ef0277b99---668e14b18fb1



Daniel Quirino
@dquo

Follow



Microservices in a nutshell

Monolithic vs Microservices



Monolithic



Microservices



@alvaro_sanchez



11:19 AM - 3 Apr 2015

1,354 Retweets 912 Likes



55



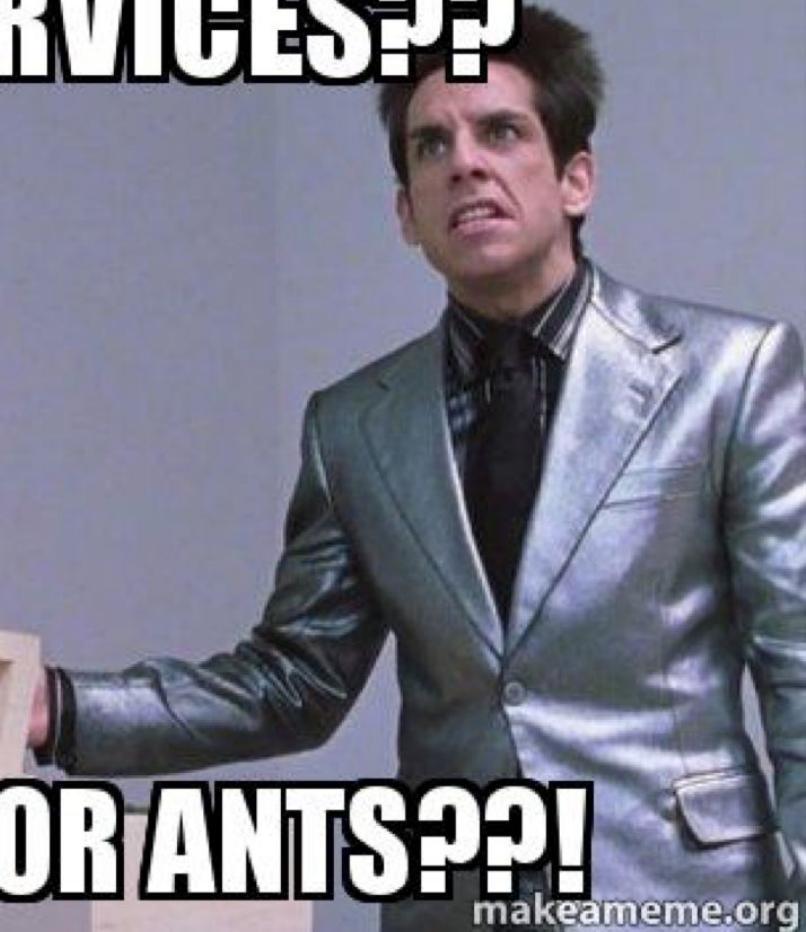
1.4K



912



MICROSERVICES??



SERVICES FOR ANTS??!



You must be
this tall to use
microservices





Aaron Patterson ✅

@tenderlove

Following



TBH, the main reason I like microservices is that I feel like my method calls are too fast and I'd prefer to throw in some latency.

10:06 AM - 6 Mar 2015

414 Retweets 424 Likes



20

414

424



corporations. So far so good



DHH

Where things go astray is when people look at, say, Amazon or Google or whoever else might be commanding a fleet of services, and think, hey it works for The Most Successful, I'm sure it'll work for me too. Bzzzzzzzt!!
Wrong!



Ben Lesh 🛡️👑🔥
@BenLesh

Following

Replies to @AdamRackis

I steer clear of terms like "never", personally.
There are tradeoffs. I have yet to see a silver bullet for anything in our industry

RETWEETS

6

LIKES

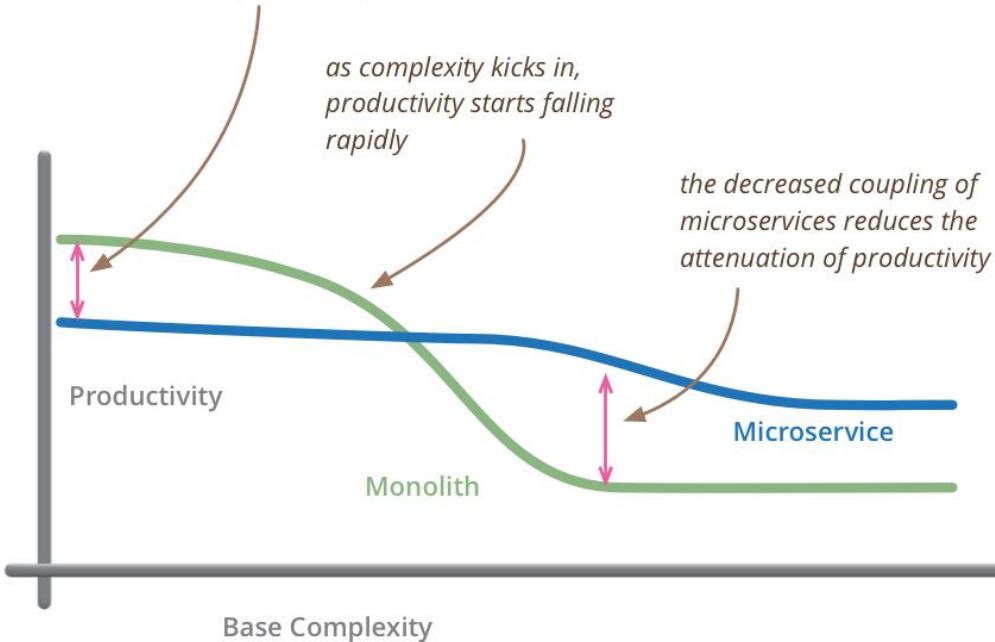
20



11:13 PM - 5 Apr 2017 from Salt Lake City, UT



for less-complex systems, the extra baggage required to manage microservices reduces productivity



but remember the skill of the team will outweigh any monolith/microservice choice

Conway's Law

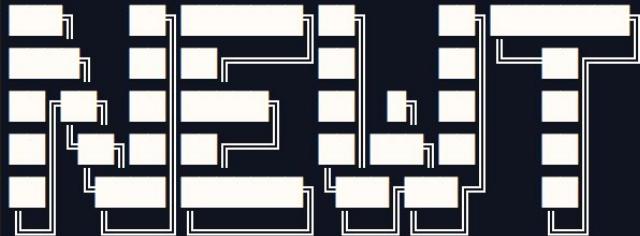


| Productivity





```
x ~ /code/rubyconfau-2018 ➜ newt init --app-type=rails-ami-deploy
```



NEtflix Workflow Toolkit (v 0.0.465)

```
+=====+  
| Using 'rails-ami-deploy' app-type...  
|
```

```
| Packages a Rails app with partial runtime support via Prana.  
| If this app is intended to be customer facing, please  
| consider using the `java-project` app-type, which is fully  
| supported by runtime.  
|
```

```
+=====+
```

```
? Initialize which directory for rails-ami-deploy project? .
```

```
? Would you like me to set up a Stash repo? (Y/n) [
```

Browse IT-Apps / orion_api - S x Lauren

IT-Apps / orion_api

Source

master ...

+ New File Upload Browse Filter

gradle/wrapper

root

src

.editorconfig Refactor WorkingTitle integration 08 Feb 2017

.gitignore EPO-666 Ignore IDE settings for sublime 04 Jan 2018

.rvmrc moved rvm to correct spot, removed overcommit, added gradle for canary build 05 Sep 2016

build.gradle Release 1.13.12 5 days ago

gradlew EPO-849 Add and update Nebula wrapper 12 Dec 2017

gradlew.bat EPO-849 Add and update Nebula wrapper 12 Dec 2017

README.md Update README.md 09 Jan 2018

RELEASE.md Add RELEASE.md to document how to release 31 Mar 2017

sonar-project.properties Add sonar-project.properties 08 Feb 2017

README.md

Edit README

Orion API

Orion is powered by a Ruby on Rails API, consumed by an Ember application.

Getting Started

orionapi · Pipeline Executions Lauren

SPINNAKER Applications Search Properties Analytics Search What's New Help Availability

orionapi PIPELINES CLUSTERS TASKS LOAD BALANCERS SECURITY GROUPS PROPERTIES ANALYTICS CONFIG

Pipelines

+ - Group by Pipeline Show 2 executions per pipeline stage durations

ITOPSPROD ezbake_canary Trigger: enabled [Configure](#) [Start Manual Execution](#)

GIT	05:24	00:45	07:34	08:18	Duration: 16:41
a day ago					
Details					
Status: SUCCEEDED					

ITOPSPROD ezbake_beta Trigger: enabled [Configure](#) [Start Manual Execution](#)

GIT	05:08	00:42	12:11	07:56	Duration: 20:50
4 days ago					
Details					
Status: SUCCEEDED					

ITOPSPROD ezbake_production Trigger: enabled [Configure](#) [Start Manual Execution](#)

BUILD #99	00:44	05:28	07:42	07:07	Duration: 15:34
TRIGGERED BUILD					
ep-orionapi-production					
Details					
Status: SUCCEEDED					

SEARCH PIPELINES STATUS

- ezbake_canary
- ezbake_beta
- ezbake_production
- ezbake_dev

Reorder Pipelines

- Running
- Terminal
- Succeeded
- Not Started
- Canceled
- Stopped

orionapi · pipeline config Lauren

SPINNAKER Applications Search Properties Analytics Search What's New Help Availability

orionapi PIPELINES CLUSTERS TASKS LOAD BALANCERS SECURITY GROUPS PROPERTIES ANALYTICS CONFIG

ezbake_canary Configuration Jenkins (EPJenkins, API Tests) Jenkins (Opseng, EPRailsBase canary) Bake Deploy Permalink Create Configure Pipeline Actions Add stage Copy an existing stage

CONCURRENT EXECUTIONS Concurrent Executions AUTOMATED TRIGGERS (1) DISABLED CONCURRENT PIPELINE EXECUTIONS (only run one at a time). DO NOT AUTOMATICALLY CANCEL PIPELINES WAITING IN QUEUE.

PARAMETERS NOTIFICATIONS (1) DESCRIPTION

Automated Triggers Type Git Executes the pipeline on a git push Remove trigger Project Project name, i.e. SPKR for stash.mycorp.com/projects/SPKR/repos/echo Repo name orion_api Branch develop

⚡ Revert ⚡ Save Changes

```
graph LR; Configuration --> Jenkins1["Jenkins (EPJenkins, API Tests)"]; Configuration --> Jenkins2["Jenkins (Opseng, EPRailsBase canary)"]; Jenkins1 --> Bake[Bake]; Jenkins2 --> Bake; Bake --> Deploy[Deploy]
```

ep-orionapi-canary [Jenkins] Lauren

Back to Dashboard Status Changes Configure Embeddable Build Status Set Next Build Number Job Config History

Project ep-orionapi-canary

Orion API Canary Environment. Watches develop branch. Bakes and simultaneously runs API tests against develop branch. If API tests fail, halt pipeline.

Last Successful Artifacts ep-orionapi-canary_1.13.12-h843.90b5fd9_all.deb 229.86 KB view

Recent Changes

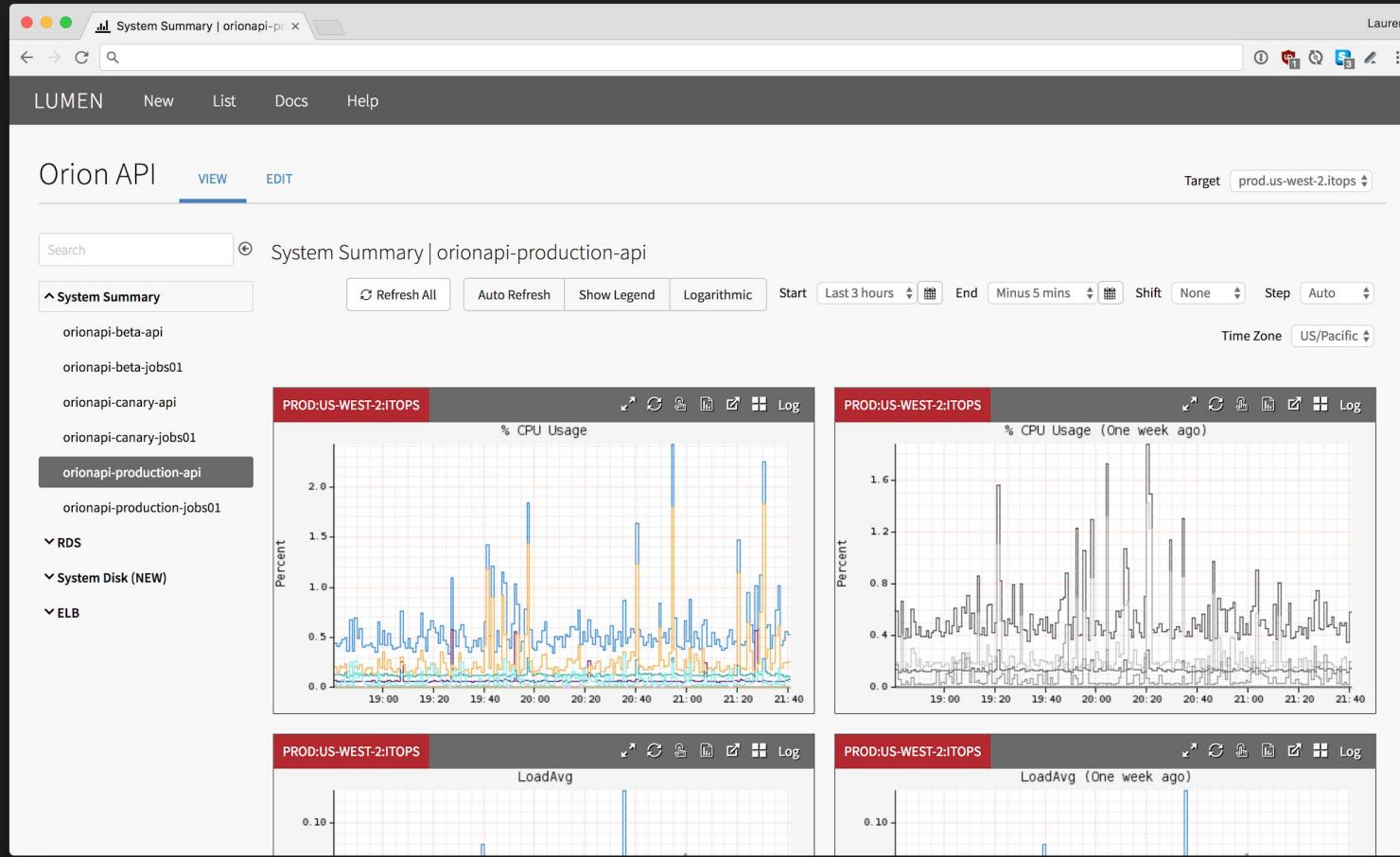
Build History

trend	Build #	Date	User
find	#843	Feb 5, 2018 1:44 PM	[TL-JEN-mark-perm]
	#842	Feb 2, 2018 3:53 PM	[TL-JEN-mark-perm]
	#841	Feb 2, 2018 12:22 AM	[TL-JEN-mark-perm]
	#840	Feb 1, 2018 11:56 PM	[TL-JEN-mark-perm]
	#839	Feb 1, 2018 10:11 AM	[TL-JEN-mark-perm]
	#838	Jan 31, 2018 2:23 PM	

Permalinks

- [Last build \(#843\), 1 day 9 hr ago](#)
- [Last stable build \(#843\), 1 day 9 hr ago](#)
- [Last successful build \(#843\), 1 day 9 hr ago](#)
- [Last failed build \(#827\), 8 days 7 hr ago](#)
- [Last unsuccessful build \(#827\), 8 days 7 hr ago](#)
- [Last completed build \(#843\), 1 day 9 hr ago](#)

edit description Disable Project



```
module Orion
  class EventShell
    BLACKLIST = %w(deleted_at created_at updated_at metadata id
                    event_source_type event_source_id).freeze
    COLUMNS = Orion::Api::V1::CalendarEvent.column_names.select do |col|
      !BLACKLIST.include? col
    end.freeze
    attr_accessor(*COLUMNS)

    def to_h
      self.class.const_get(:COLUMNS).reduce({}) do |hash, col_name|
        hash[col_name] = send(col_name)
      hash
    end
  end
end
```

```
[2] pry(main)> event_shell = Orion::CalendarEventShell.new
=> #<Orion::CalendarEventShell:0x007f8352b44330>
[3] pry(main)> event_shell.title = 'Strangest Things'
=> "Strangest Things"
[4] pry(main)> event_shell.to_h
=> {"start_at"=>nil,
 "title"=>"Strangest Things",
```

GitHub, Inc. [US] https://github.com/zdennis/activerecord-import Lauren

zdennis / activerecord-import master

This repository Search Pull requests Issues Marketplace Explore

zdennis / activerecord-import

Watch 35 Unstar 2,205 Fork 451

Code Issues 16 Pull requests 2 Projects 0 Wiki Insights

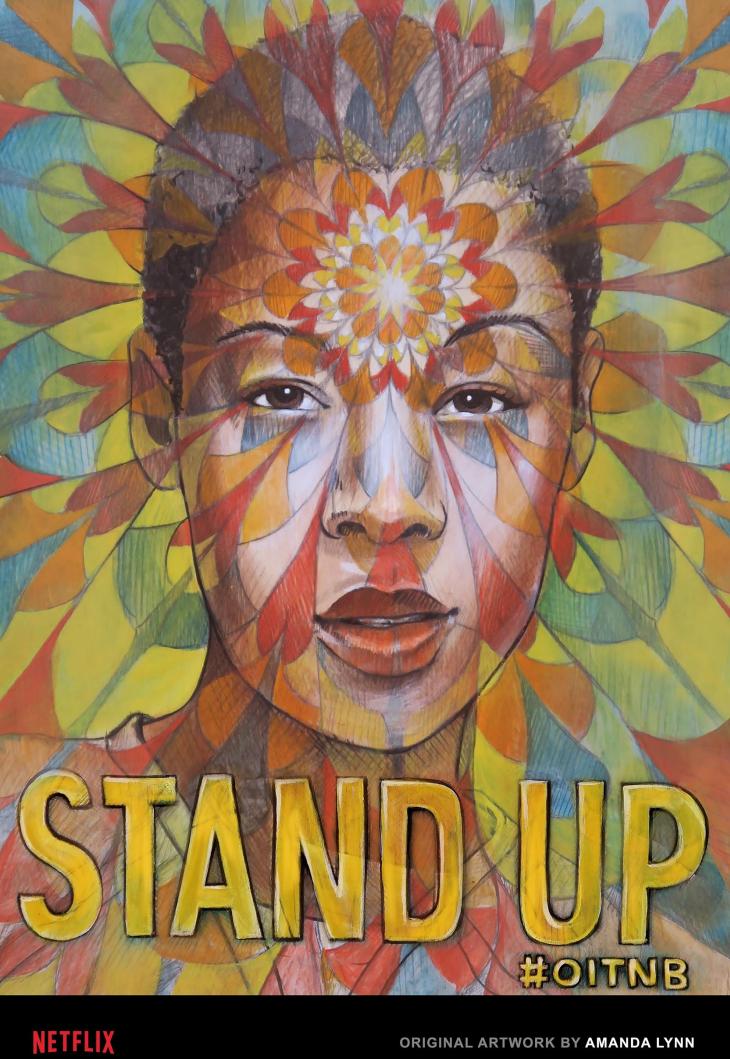
A library for bulk insertion of data into your database using ActiveRecord. <http://www.continuousthinking.com>

766 commits 3 branches 50 releases 77 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

File	Description	Time Ago
jkowens Merge pull request #498 from jkowens/alias_import_method	Latest commit d2dd492 4 days ago	
benchmarks	Lock Rubocop at 0.40.x	6 months ago
gemfiles	Add AR 5.2 to Travis matrix	5 days ago
lib	Rename the import method to bulk_import and alias to import.	11 days ago
test	Fix validation logic for recursive import	a month ago
.gitignore	remove hard system requires to allow "plugin" gems	4 years ago
.rubocop.yml	Lock Rubocop at 0.40.x	6 months ago
.rubocop_todo.yml	Use empty? instead of size == 0	2 years ago
.travis.yml	Add AR 5.2 to Travis matrix	5 days ago
Brewfile	Fixed Brewfile	3 years ago
CHANGELOG.md	Update CHANGELOG.md	17 days ago
Gemfile	Update mysql2 gem	4 days ago
LICENSE	add ruby license and specify in gemspec.	4 years ago
README.markdown	Clean up readme	11 months ago

|Authentication





Welcome to

Login with Meechum



Welcome to Gravity

→ Login

Need access to Gravity? Contact us



Connect with Meechum



Welcome to Moneyball

Login

et

n



BOLT UI

RailsConf 2014 - Lightning Fast Deployment of Your Rails-backed JavaScript app

7,675 views

0:01 / 31:43

Up next

AUTOPLAY

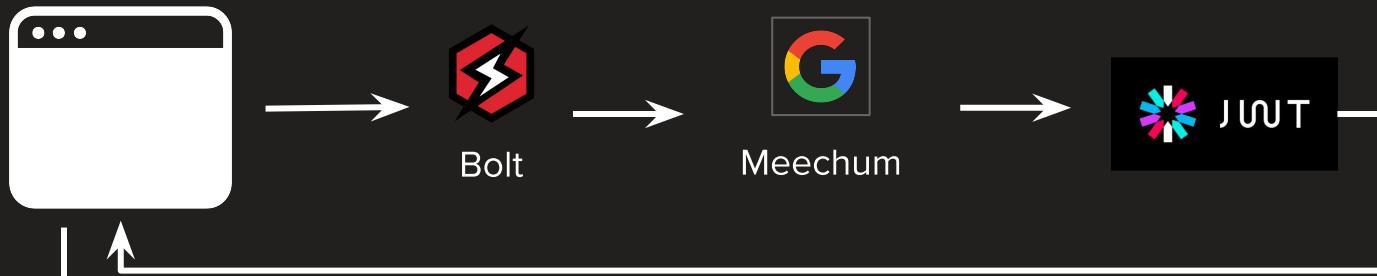
RailsConf 2014 - The "Rails of JavaScript" Won't be a Confreaks

3.3K views



The image shows a YouTube video player window. The main video frame displays a presentation slide with the words 'Lightning Fast' in large, stylized orange letters. The letters appear to be floating or moving towards the viewer, set against a dark background with bright blue and red light rays emanating from behind them. Below the video frame, a progress bar indicates the video is at 0:01 of 31:43. At the bottom of the player, there's a title card for the video: 'RailsConf 2014 - Lightning Fast Deployment of Your Rails-backed JavaScript app'. The video has 7,675 views. To the right of the video frame, there's a sidebar titled 'Up next' with another video thumbnail for 'RailsConf 2014 - The "Rails of JavaScript" Won't be a Confreaks' with 3.3K views. The YouTube interface includes standard controls like play/pause, volume, and a search bar at the top.

Browser

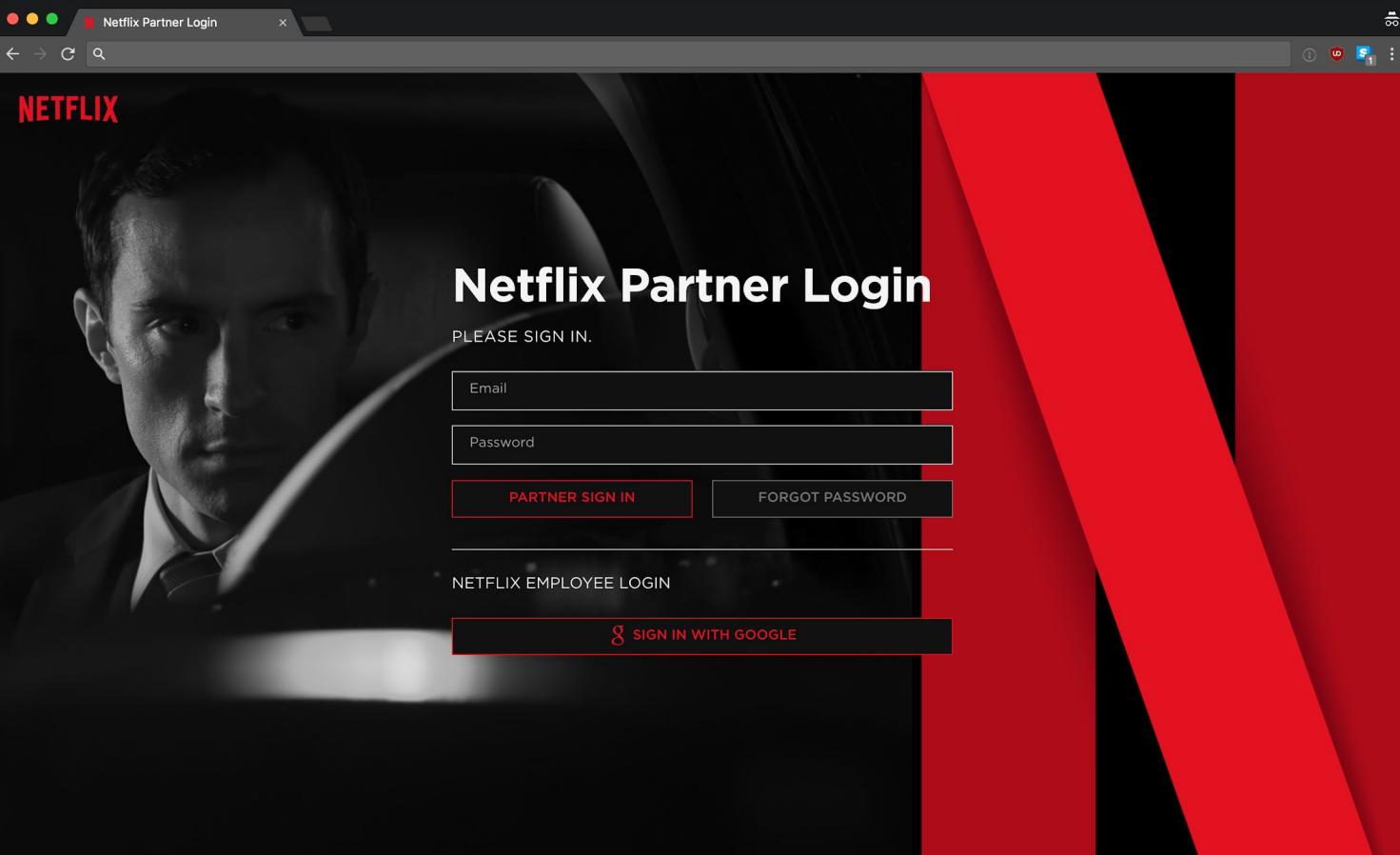


GET /users

Authorization Bearer ...



API

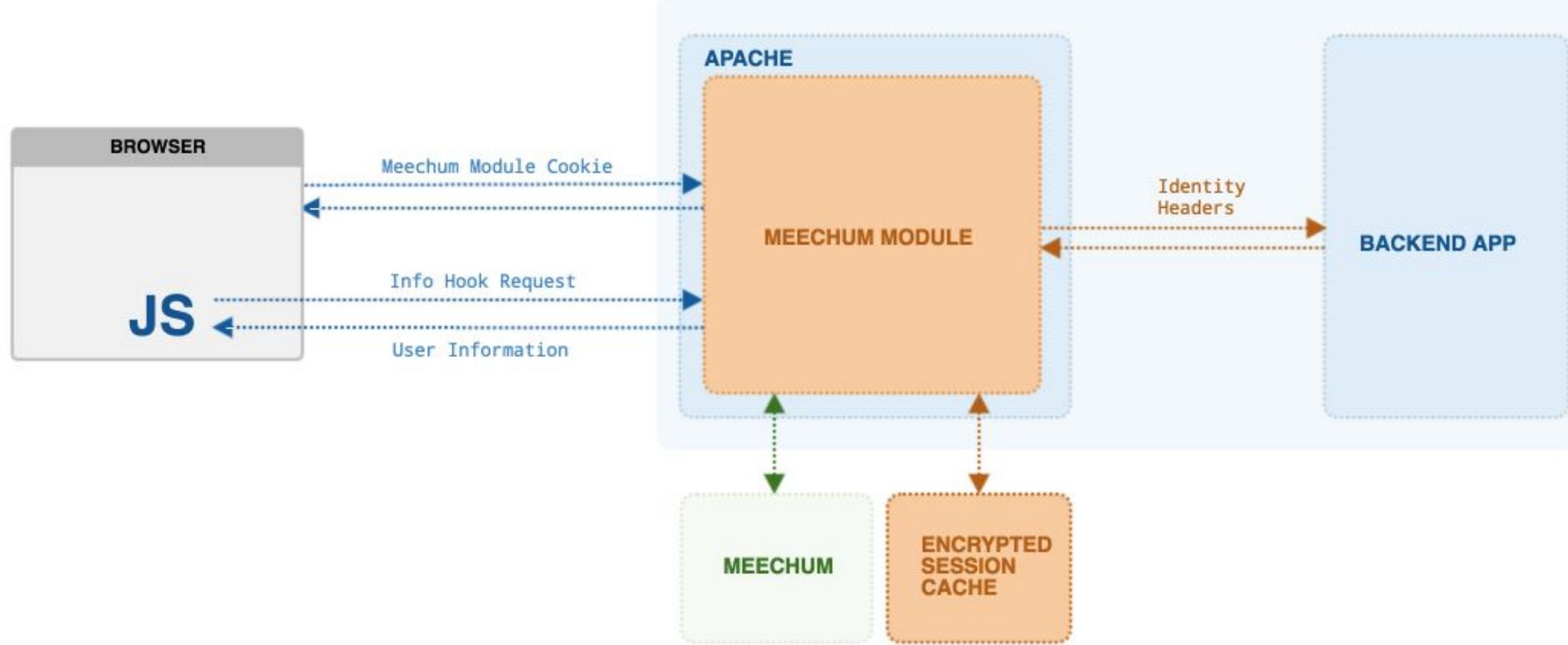




Not My Problem

MEECHUM APACHE MODULE

STANDARD INTEGRATION



```
before_action :authenticate_user

def authenticate_user
  meechum_info = sign_in_with_meechum!(request.headers)
  claims = meechum_info[:claims]
  props = {
    first_name: claims.dig("GIVENNAME"),
    last_name: claims.dig("FAMILYNAME"),
    profile_image: claims.dig("THUMBNAILPHOTOURL"),
    department: claims.dig("ORG", "DEPARTMENT")
  }
  @current_user = V1::User.find_or_initialize_by(email: claims.dig("EMAIL"))
  @current_user.update(props)
end
```

Module Claims - Meechum Lauren

Apache Module / Module Claims Search Stash

Meechum

- Welcome to Meechum
- Apache Module ^
 - Introduction
 - Prerequisites ^
 - Infohook
 - Module Claims**
 - Sample Applications/ Demo
 - FAQ
- Local Development ^
 - Libraries ^
 - Confluence
 - FAQ
 - Help

Module Claims

Here are the basic set of claims (identity information) that are passed in the headers.

Please note that you will not see this information in your browser since the information is retrieved via a backend call to the Meechum user info endpoint.

Identity Information / Claims	Description	Example
[REDACTED]		

Browse Platform Security / metatron

Lauren

Bitbucket Projects Repositories Snippets Pull requests Search for code or repositories... Lauren 8 10

Platform Security / metatron.rb

Source

master | metatron.rb /

+ New File | Upload | Browse | Filter

lib

test

.gitignore Update with netflix publishing directives. 18 Jul 2017

Gemfile Update with netflix publishing directives. 18 Jul 2017

metatron.gemspec Bump version 08 Feb 2018

Rakefile Refactored project into gem. 18 Jul 2017

README.md Fix formatting in README 09 Feb 2018

README.md

Edit README

Usage

Use the MetatronHTTP class to reach metatron-TLS enabled HTTP endpoints. Follow instructions at go/gem to add the Netflix artifactory as a source, e.g.

```
gem source -a [REDACTED]. Install this gem with gem install metatron.
```

You can use this gem like this:

```
require 'metatron'

uri = URI.parse('REDACTED/REST/v1/hello')
http = Metatron::MetatronHTTP.new(uri.host, uri.port)
http.server_app_name = 'helloworldmetatron'
response = http.start do |s|
  s.get(uri.request_uri)
end
```

Browse Studio Engineering / m x Lauren

Bitbucket Projects Repositories Snippets Pull requests Search for code or repositories... ? 6

Studio Engineering / metatron_faraday_adapter

Source

master ... metatron_faraday_adapter /

+ New File Upload Browse Filter

bin lib test

.gitignore Refactor metatron_its_adapter to extend from Faraday's NetHttp adapter and override necessary methods 21 Sep 2017

Gemfile Initial commit 21 Sep 2017

Gemfile.lock Initial commit 21 Sep 2017

LICENSE.txt Initial commit 21 Sep 2017

metatron_faraday_adapter.gemspec Initial commit 21 Sep 2017

Rakefile Initial commit 21 Sep 2017

README.md Refactor metatron_its_adapter to extend from Faraday's NetHttp adapter and override necessary methods 21 Sep 2017

README.md Edit README

MetatronFaradayAdapter

This gem serves to provide easy access to MetatronTLS encryption on your Faraday requests.

It augments Faraday's base NetHTTP adapter by leveraging Platform Security's [metatron.rb](#) gem to add your Metatron certs and validation.

Installation

Add this line to your application's Gemfile:

| Authorization



Protego

Lauren

DE

Netflix Studio - Orion

Studio app - Orion

netflix.studio.orion

Capabilities (4) +

Create Proposal

Unique ID: orion.proposal.create

Description: Ability to create a new proposal

Created By: [REDACTED]

Created At: Tue Aug 29 2017 15:15:23 GMT-0700 (PDT)

Export Events

Unique ID: orion.event.export

Description: Ability to export events

Created By: [REDACTED]

Created At: Mon Oct 30 2017 17:53:16 GMT-0700 (PDT)

Export Proposals

Unique ID: orion.proposal.export

Description: Ability to export proposals

Created By: [REDACTED]

Created At: Thu Oct 26 2017 19:55:33 GMT-0700 (PDT)

Update Proposal

Unique ID: orion.proposal.update

Description: Ability to update an existing proposal

Profiles (2) +

Orion Editor

Unique ID: orion.editor

Description: This is an Orion Editor, they will have elevated privileges.

Description: This is an Orion Editor, they will have elevated privileges.

Created By: [REDACTED]

Created At: Tue Sep 26 2017 10:44:50 GMT-0700 (PDT)

Capabilities (4)

orion.proposal.export

orion.event.export

orion.proposal.update

orion.proposal.create

Orion Forecast Coordinator

Unique ID: orion.forecast.coordinator

Description: Export forecast launch dates

Description: Export forecast launch dates

Created By: [REDACTED]

Created At: Wed Nov 15 2017 13:05:10 GMT-0800 (PST)

Capabilities (1)

+

GitHub, Inc. [US] https://github.com/varvet/pundit Lauren

varvet / pundit master

This repository Search Pull requests Issues Marketplace Explore

Watch 123 Star 5,679 Fork 436

Code Issues 28 Pull requests 25 Projects 0 Insights

Minimal authorization through OO design and pure Ruby classes

313 commits 11 branches 9 releases 77 contributors MIT

Branch: master New pull request Create new file Upload files Find file Clone or download

brendanthomas1 authored and ingemar committed on Dec 5, 2017 Clean-up Rubocop rules and warnings (#483) Latest commit 1036bd7 on Dec 5, 2017

lib	Rubocop -a for 2.4.1 sake	10 months ago
spec	CI against Ruby 2.2.8/2.3.5/2.4.2 (#489)	3 months ago
.gitignore	ignore binstubs	5 years ago
.rubocop.yml	CI against Ruby 2.2.8/2.3.5/2.4.2 (#489)	3 months ago
.rubocop_todo.yml	Travis build change: Fix build, use latest JRuby	10 months ago
.travis.yml	CI against Ruby 2.2.8/2.3.5/2.4.2 (#489)	3 months ago
.yardopts	Add YARD docs for remaining methods	2 years ago
CHANGELOG.md	tagged 1.1.0	2 years ago
CODE_OF_CONDUCT.md	Add code of conduct	3 years ago
CONTRIBUTING.md	Add contributing file	3 years ago
Gemfile	Travis build change: Fix build, use latest JRuby	10 months ago
LICENSE.txt	Add Elabs to License file	5 years ago
README.md	Correct typo (#456)	10 months ago

Starship DEV

Lauren

APPLICATIONS PARTNERS USERS

 Lauren Tan ✓

[REDACTED]
Partner: Netflix
Hermes ID: Not Set ✓

ONBOARD

Production Roles

Lauren has not been granted any production roles.

App Roles

Roles	Apps
Orion Editor	Netflix Studio - Orion

Apps with Starship Admin Privileges [Add +](#)

App

| JSON:API Serialization



[j] JSON API — A specification for building APIs in JSON Lauren

← → C jsonapi.org

JSON API Specification Extensions Recommendations Examples Implementations FAQ About v1.0 STABLE

{ json:api }

A SPECIFICATION FOR BUILDING APIs IN JSON

[View the specification](#) [Contribute on GitHub](#)

If you've ever argued with your team about the way your JSON responses should be formatted, JSON API can be your anti-bikeshedding tool.

By following shared conventions, you can increase productivity, take advantage of generalized tooling, and focus on what matters: your application.

Clients built around JSON API are able to take advantage of its features around efficiently caching responses, sometimes eliminating network requests entirely.

Here's an example response from a blog that implements JSON API:

```
{  
  "links": {  
    "self": "http://example.com/articles",  
    "next": "http://example.com/articles?page[offset]=2",  
    "last": "http://example.com/articles?page[offset]=10"  
  },  
  "data": [{  
    "id": "1",  
    "type": "article",  
    "attributes": {  
      "title": "The first article",  
      "body": "This is the body of the first article.",  
      "published_at": "2014-01-01T00:00:00Z"  
    },  
    "relationships": {  
      "author": {  
        "data": {  
          "id": "1",  
          "type": "user"  
        }  
      }  
    }]  
}
```

Netflix/fast_jsonapi A lightning fast JSON:API serializer for Ruby Objects.

Code Issues 10 Pull requests 5 Projects 0 Wiki Insights

55 commits 3 branches 1 release 14 contributors Apache-2.0

Branch: master New pull request Create new file Upload files Find file Clone or download

grossadamm Merge pull request #34 from oboxodo/patch-1 ... Latest commit bb7bc45 2 days ago

docs initial commit 3 days ago

lib Merge pull request #14 from forward3d/remove_skylight_forced_dependency 3 days ago

spec Enable oj to AM for fair benchmark test 2 days ago

.document initial commit 3 days ago

.gitignore initial commit 3 days ago

.rspec initial commit 3 days ago

.travis.yml add travis integration 3 days ago

CONTRIBUTING.md version update 2 days ago

Gemfile Use one source for gem dependencies 3 days ago

Gemfile.lock adding the gemfile lock changes 3 days ago

LICENSE.txt initial commit 3 days ago

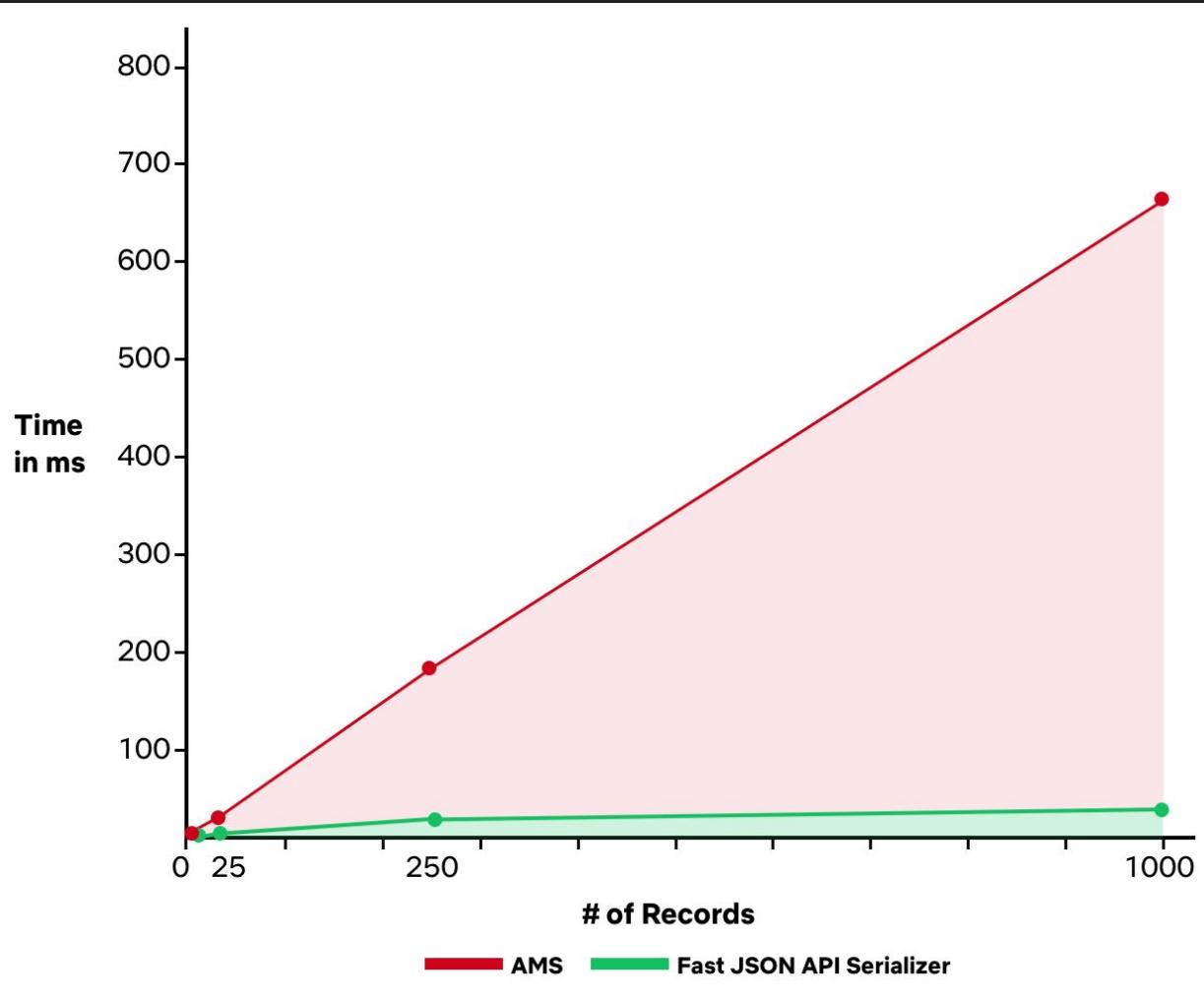
README.md Add missing attribute in README example 2 days ago

Rakefile initial commit 3 days ago

GOTTA GO



FAST



| Feature Flags



orionapi · Persisted Properties Lauren

SPINNAKER Applications Search Properties Analytics Search What's New Help Availability

orionapi PIPELINES CLUSTERS TASKS LOAD BALANCERS SECURITY GROUPS PROPERTIES ANALYTICS CONFIG

Properties

Filter

Create Persisted Property

PROPERTIES ROLLOUTS

Showing 3 results

Property ▾	Value ▾	Env ▾	Summary	Region ▾	Stack ▾	Updated ▾
orionapi-beta-feature-flags	[{"feature_key": "export_proposals", "key": "boolean", "val..."}]	PROD	Region: us-west-2 App: orionapi Stack: beta	us-west-2	beta	2017-11-05 21:04:19 PST
orionapi-canary-feature-flags	[{"feature_key": "export_proposals", "key": "boolean", "val..."}]	PROD	Region: us-west-2 App: orionapi Stack: canary	us-west-2	canary	2017-11-02 14:01:32 PDT
orionapi-production-feature-flags	[{"feature_key": "export_proposals", "key": "boolean", "val..."}]	PROD	Region: us-west-2 App: orionapi Stack: production	us-west-2	production	2017-11-06 16:14:02 PST

The screenshot shows a Bitbucket repository page for a user named Tom Cellucci. The repository is named "nf-configuration-ruby". The page has a dark theme. On the left, there is a sidebar with various icons for file operations like download, upload, and clone. The main area is titled "Source" and shows a list of files and commits. At the top of the list are "lib", "protos", and "spec". Below these are several commit entries:

File/Commit	Description	Date
.gitignore	initial commit	17 May 2017
.rspec	initial commit	17 May 2017
.tool-versions	add support for keys and values methods for easier filtering on keys	29 Dec 2017
Gemfile	initial commit	17 May 2017
nf-configuration.gemspec	update gemspec with homepage and gem.version	17 Jan 2018
Rakefile	first round of feedback:	18 May 2017
README.md	typo fix	29 Dec 2017

Below the commit list, there is a section for "README.md" with an "Edit README" button. The content of the README is as follows:

Netflix Configuration Client

A Netflix Configuration library for ruby

Description

This gem provides configuration properties in the Netflix 'layered' idiom: multiple property sources are aggregated by a single Configuration class with property read access, overrides, and change listener support. The default configuration layers are appOverrides -> PersistedProperties -> Ruby's ENV

```
module Netflix

  class PlatformServiceClient

    require 'grpc'
    require 'protos/platformservice_services_pb'
    require 'google/protobuf'

    attr_reader :service_endpoint

    def initialize(service_endpoint)
      @stub = Com::Netflix::Platformservice::Grpc::Platformservice::Stub.new(
        service_endpoint, :this_channel_is_insecure,
        # ...
      )
      @service_endpoint = service_endpoint
      @max_attempts = 3
    end
  end
end
```

```
config = Netflix::Configuration.new
canary_feature_flags = config['orionapi-canary-feature-flags']
```

orionapi · Persisted Properties Lauren

SPINNAKER Applications Search Properties Analytics orionapi What's New Help Availability

orionapi PIPELINES CLUSTERS TASKS LOAD BALANCERS SECURITY GROUPS PROPERTIES ANALYTICS CONFIG

Properties

Filter Create Persisted Property

PROPERTIES **ROLLOUTS**

PROD Update property: orionapi-canary-feature-flags
14 hours ago 01:00 02:27 Duration: 03:28 Status: SUCCEEDED [Details](#) [Delete](#)

PROD Delete property: is-under-maintenance
a day ago 01:09 10:32 Duration: 11:41 Status: SUCCEEDED [Details](#) [Delete](#)

PROD Delete property: is-under-maintenance
a day ago 01:13 10:32 Duration: 11:46 Status: SUCCEEDED [Details](#) [Delete](#)

PROD Delete property: is-under-maintenance
a day ago 01:05 10:26 Duration: 11:32 Status: SUCCEEDED [Details](#) [Delete](#)

PROD Create property: is-under-maintenance
3 days ago 00:01 04:04 Duration: 04:06 Status: SUCCEEDED [Details](#) [Delete](#)

| Comments



Browse Studio Engineering / c: Lauren

Cacofonix

Cacofonix is a Netflix service for commenting, this gem provides the ability for a rails application to gain access to cacofonix services with as little configuration as possible.

Usage

In `routes.rb`

```
mount Cacofonix::Engine => '/messages'
```

Add an initializer such as the following:

```
Cacofonix.configure do |config|
  config.api_name = 'working-title'
  config.valid_types = %w(os.project project).freeze
  config.user_model = 'WorkingTitle::Api::V1::User'
  config.messages_concern = 'WorkingTitle::Api::V1::CacofonixMessages'
end
```

Configuration meanings

- `:valid_types` [required] provide the valid scope types
- `:api_name` [required] provide the name of your api (for scoping)
- `:user_model` [required] user model to use for user_id validation
- `:endpoint` cacofonix endpoint override
- `:parent_controller` the parent controller to use if you have base functionality to preserve
- `:messages_concern` a concern that gets loaded in the messages controller

Scoping Messages

Cacofonix scopes messages by `appId` and `clientId` (see their documentation for more info). The `clientId` is the lowest level and `appId` is later stacked on top. Because of this, we chose the following pattern for scoping messages to a given context. Knowing this pattern, it is possible to share messages across applications.

```
def app_id
  "#{scope}.#{scope_id}"
end

def client_id
  "#{Rails.env}.#{config.api_name}"
end
```

A Very Murray Christmas - Orig

Lauren

Projects

◎ A Very Murray Christmas

Data Coverage
89% Complete

Forecast Launch Date: 12/4/2015 Status: Launched Buying Team: Original Features

A Very Murray Christmas [REDACTED]

Production Post Production Finance Calendar Settings & Integrations Watch Project

Overview Project last updated 2/5/2018 by Automated System

Bill Murray rounds up an all-star cast for an evening of music, mischief and barroom camaraderie in this irreverent twist on holiday variety shows.

Announced Status: Project Announced Date Announced

Status: Launched

Deal Structure: Licensed Original

Buying Team: Original Features

Content Type: Feature

Netflix Personnel

Email Personnel

Title	Department	Netflix Employee
Business (Lead)	Creative	[REDACTED]
Creative (Lead)	Creative	[REDACTED]
Business (Lead)	Business	[REDACTED]
Post Production (Lead)	Post Production	[REDACTED]
Production Finance (Lead)	Production Finance	[REDACTED]
Legal (Lead)	Legal	[REDACTED]

This is the very beginning of the conversation.

Jul 13th

Colin Kennedy posted at 11:27 am
Comment test
Reply

Today

Lauren Tan posted at 12:02 am
hi
Reply Edit Delete

Lauren Tan posted at 12:03 am
[REDACTED] you're famous!
Reply Edit Delete

Enter a message. Hit enter to send.

| Service Discovery



Netflix/eureka: AWS Service re... Lauren

GitHub, Inc. [US] https://github.com/Netflix/eureka

Netflix / eureka master

codequality eureka-client eureka-client-archaius2 eureka-client-jersey2 eureka-core eureka-core-jersey2 eureka-examples eureka-resources/src/main/resources eureka-server eureka-server-governator eureka-test-utils gradle/wrapper images .gitignore .netflixoss .travis.yml CHANGELOG.md LICENSE OSSMETADATA README.md build.gradle buildViaTravis.sh gradle.properties gradlew gradlew.bat installViaTravis.sh settings.gradle

This repository Search Pull requests Issues Marketplace Explore

Watch 741 Star 4,810 Fork 1,128

Code Issues 39 Pull requests 3 Projects 0 Wiki Insights

AWS Service registry for resilient mid-tier load balancing and failover.

1,500 commits 9 branches 224 releases 58 contributors Apache-2.0

Branch: master New pull request Create new file Upload files Find file Clone or download

qiangdavidliu	Merge pull request #1033 from qiangdavidliu/NPE_fix	Latest commit 5491428 5 days ago
codequality	Build changes for nebula.netflixoss	3 years ago
eureka-client-archaius2	Utilize parameterized logging and remove calls to toString()	4 months ago
eureka-client-jersey2	Restore passive method signatures. Add missing log parameter binding.	4 months ago
eureka-client	Merge pull request #1026 from Panmax/master	21 days ago
eureka-core-jersey2	Restore is*Enabled() checks that guard against any computation being ...	3 months ago
eureka-core	fix potential NPE for issue #1014	5 days ago
eureka-examples	Add additional instructions in example README to set demo server configs	2 years ago
eureka-resources/src/main/resour...	Delete malformed background-color CSS style	4 months ago
eureka-server-governator	add readme	2 years ago
eureka-server	update server build default props.	2 years ago
eureka-test-utils	Updates to jersey2 compatibility:	2 years ago
gradle/wrapper	update gradle version and netflixoss version to be compatible with tr...	2 years ago
images	"Gold bars adventure" Eureka logo	5 years ago

Browse Tom Cellucci / nf-discovery

Lauren

Bitbucket Projects Repositories Snippets Pull requests Search for code or repositories... Lauren 8

Source

master ... nf-discovery-ruby

+ New File Upload Browse Filter

eureka2-metadata-query

lib

protos/com/netflix/servicediscovery

spec

.gitignore getting closer to useful 12 Jun 2017

.rspec initial commit 06 Jun 2017

.travis.yml initial commit 06 Jun 2017

Gemfile getting closer to useful 12 Jun 2017

LICENSE.txt initial commit 06 Jun 2017

nf-discovery.gemspec refactor module names 15 Jun 2017

Rakefile initial commit 06 Jun 2017

README.md update readme 20 Jun 2017

README.md Edit README

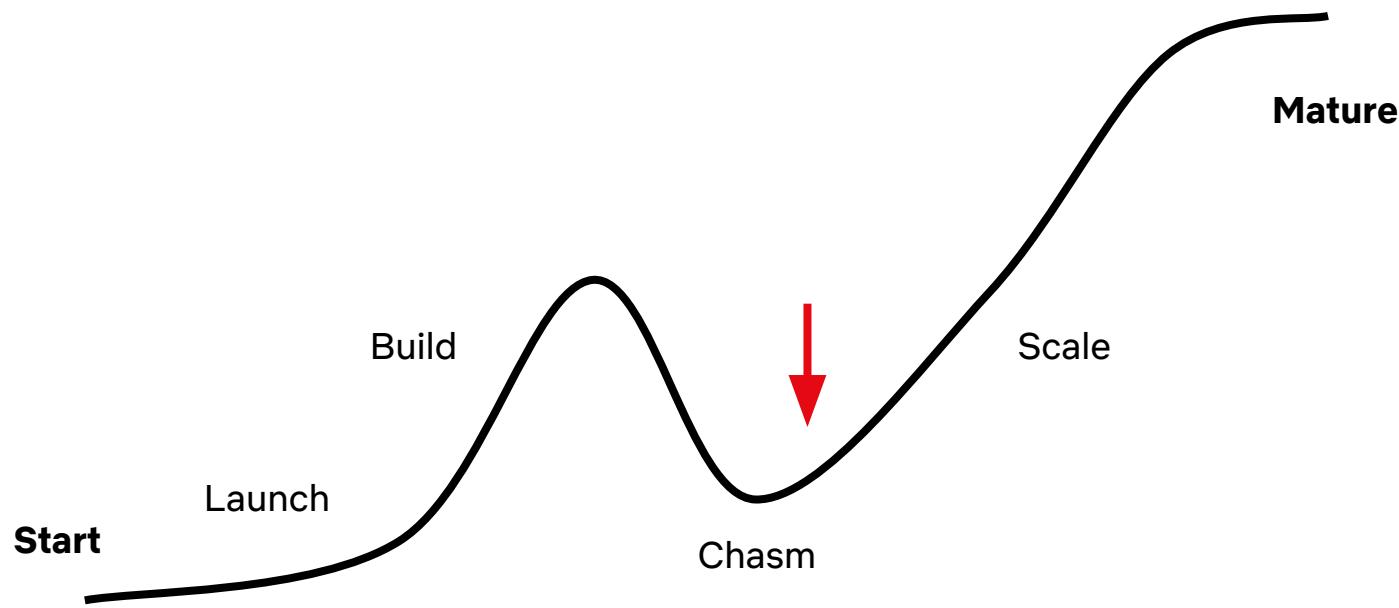
Nf::Discovery::Ruby

Description

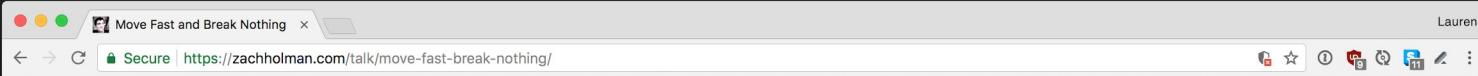


What we're working
towards

Where we are







I gave the closing keynote at the *Future of Web Apps* in London this October, 2014. This is that talk.

The slides and the full video of the talk are directly below. If you're interested in a text accompaniment, read on for the high-level overview.

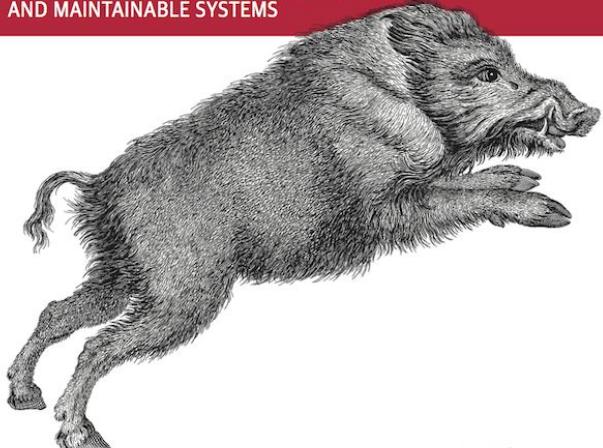
[view the slides](#)

[watch the video](#)

O'REILLY®

Designing Data-Intensive Applications

THE BIG IDEAS BEHIND RELIABLE, SCALABLE,
AND MAINTAINABLE SYSTEMS



Martin Kleppmann

A dark, atmospheric photograph of a night sky. A full moon hangs in the upper center, casting a pale glow. Below it, dark, billowing clouds are scattered across the sky. At the bottom of the frame, a body of water reflects the light from the moon, creating a shimmering path of highlights on the dark, rippling surface.

Big things have small
beginnings

A woman stands in a dark, atmospheric environment, possibly a space station or a futuristic facility. She wears a dark jacket over a light-colored shirt. To her left, two large, glowing red spheres, resembling energy cores or alien artifacts, are embedded in a dark, textured wall. The scene is dimly lit by these spheres and some ambient blue light from the background, creating a mysterious and science-fictional atmosphere.

|The Dark Ages

A photograph of a rustic wooden bridge with metal railings, spanning a river. The bridge is surrounded by lush green trees and bushes. The water below is dark and reflects the surrounding environment.

| Why Ruby?

“Computers are easy; people are hard.”



A photograph of a cozy interior. In the center is a dark-colored wood-burning stove with its glass door open, revealing a bright orange fire inside. To the left of the stove, several logs are stacked on the floor. In the bottom left corner, there's a stack of books. The background features a large window looking out onto a body of water with bare trees across it. On the windowsill, there are three small wooden horse figurines. A tall, thin vase holder stands to the right of the stove, holding dried flowers. The overall atmosphere is warm and inviting.

|Sharing the pain



sugarpirate_

poteto



Thank you.

<http://bit.ly/netflix-rubyconf>

NETFLIX

