DevOps 日常

My name is Fung

- NCCU
- ALPHA Camp
- Back-end developer
- DevOps in iCook

DevOps in team

當大家在開發的時候

當大家在部署的時候

當服務成功上線之後

當夜深人靜的時候

所以我們到底在幹麻?

一個support的概念

Environment

Deploy

Monitor

Maintenance

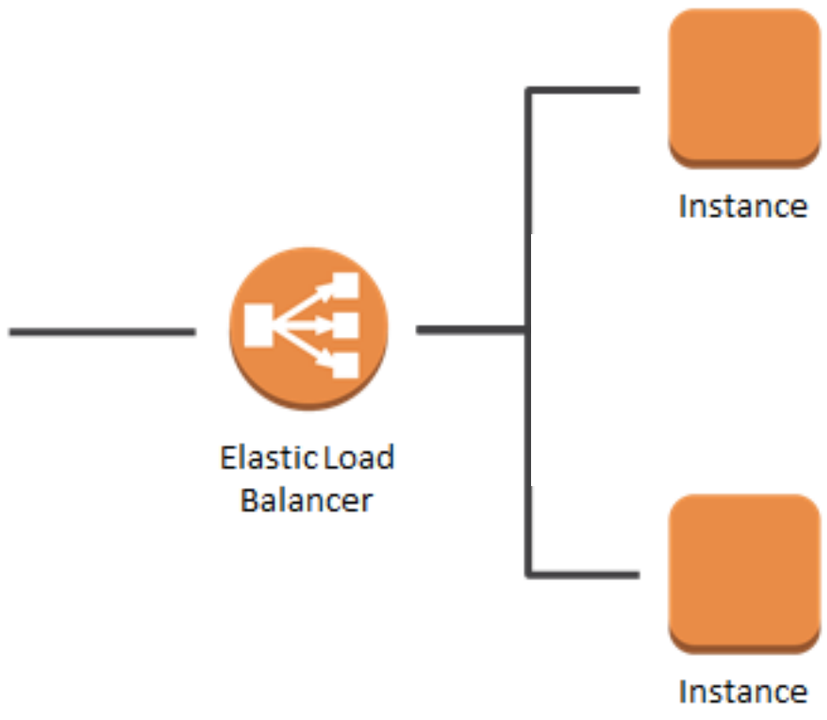
Elasticsearch Upgrade

Instance

Security

Configurations

EC2 + ELB



Instance

Security

Configurations

IAM

- 動作
- 對象
- 可以做 / 不可以做

IAM

- 動作 => Read S3
- 對象 => elasticsearch
- 可以做 / 不可以做 => Allow

Security Group

- port
- group

Security Group

- port => 9200-9300

- group => ec2-elasticsearch-group

Instance

Security

Configurations

Chef

- write infrastructure as code
- online resources

Recipe

```
include_recipe "monit"
include_recipe "java"
include_recipe
"elasticsearch"
```

Recipe

```
if url = node[:elasticsearch][:corpus][:ik]
  script "install_ik_data" do
    interpreter "bash"
    user "root"
    cwd node[:elasticsearch][:default_path]
    code <<-EOH
      wget #{url}
      tar -zxf ik.tar.gz
    EOH
  end
end
```

AWS Opswork

Deployments and Commands

Deploy an App | Run Command

Deployments are a set of operations that you can use to manage your apps, such as deploying an app to a set of app server instances, or to run a command on some or all instances in the entire stack, such as updating packages. Learn more.

	Created at (UTC)	User	Command	Comment	App	Instances	Actions
✔	2015-05-04 09:07:11	OpsWorks	execute_recipes		–	2	
✔	2015-05-01 01:57:23	frozenfung	setup		–	2	repeat
✔	2015-05-01 01:35:08	frozenfung	setup		–	2	repeat
✔	2015-05-01 01:31:47	frozenfung	update_custom_cookbooks		–	2	repeat
✖	2015-05-01 01:23:45	frozenfung	setup		–	2	repeat
✔	2015-05-01 01:21:22	frozenfung	update_custom_cookbooks		–	2	repeat
✔	2015-04-30 10:48:03	frozenfung	setup		–	2	repeat
✔	2015-04-30 10:40:52	frozenfung	setup		–	2	repeat
✔	2015-04-30 10:27:53	frozenfung	execute_recipes		–	2	repeat

Environment

Deploy

Monitor

Maintenance

Review code

Deploy flow

Pull request on Github

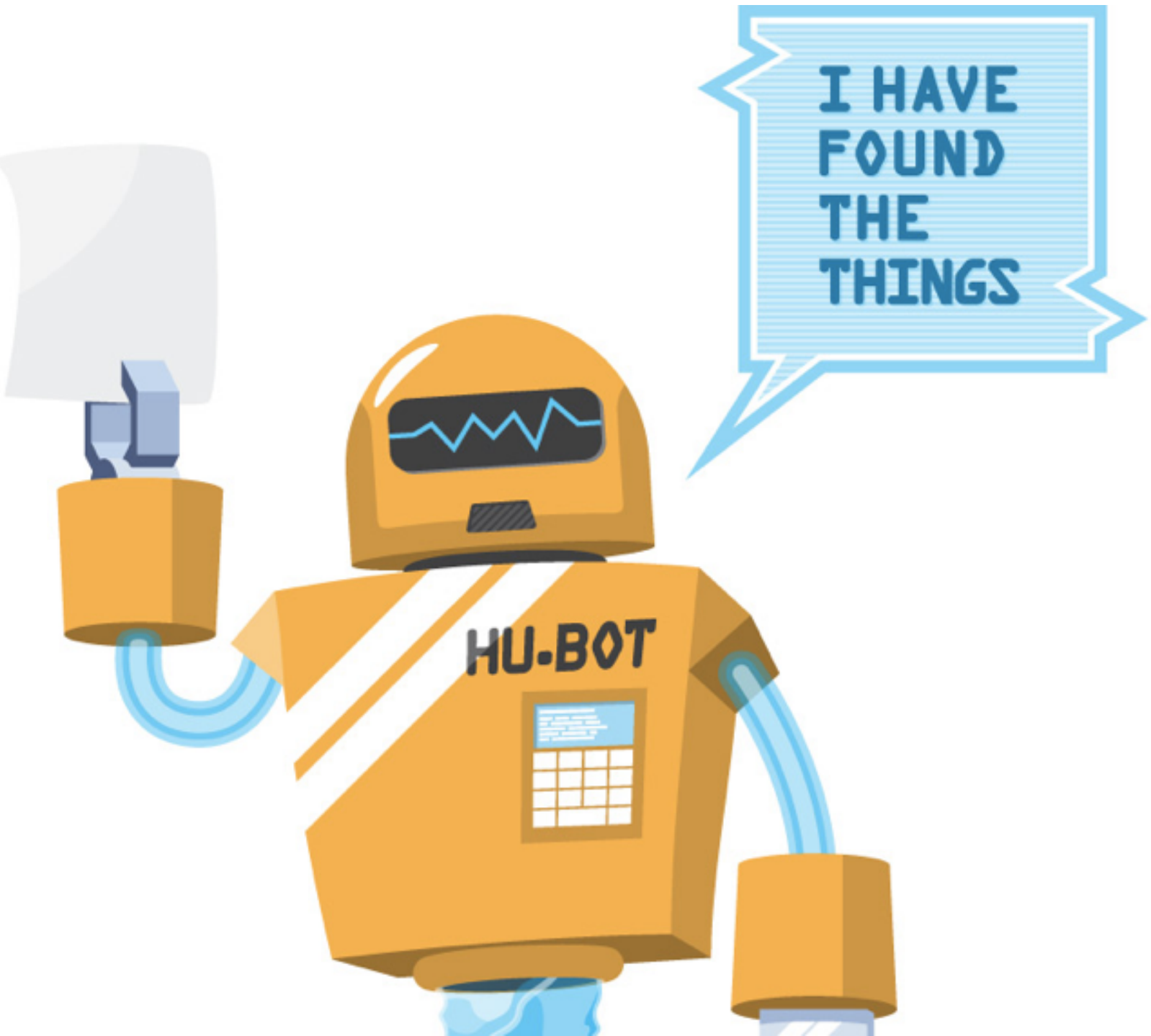
Hound CI

Travis CI

Review code

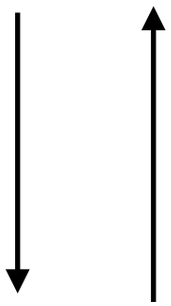
Deploy flow

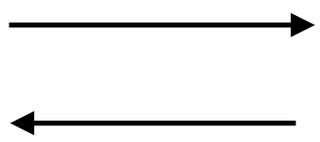
Hubot

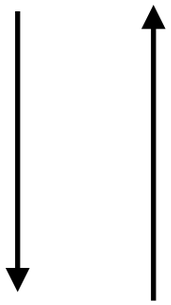


hubot deploy iCook

Hubot



Heaven  Github



AWS Opswork

dora chen 1:57 PM

hubot image me 5566我難過

I'm Hubot BOT 1:57 PM

https://i.ytimg.com/vi/g-LMvkXtMOs/hqdefault.jpg#.png (18KB)

Environment

Deploy

Monitor

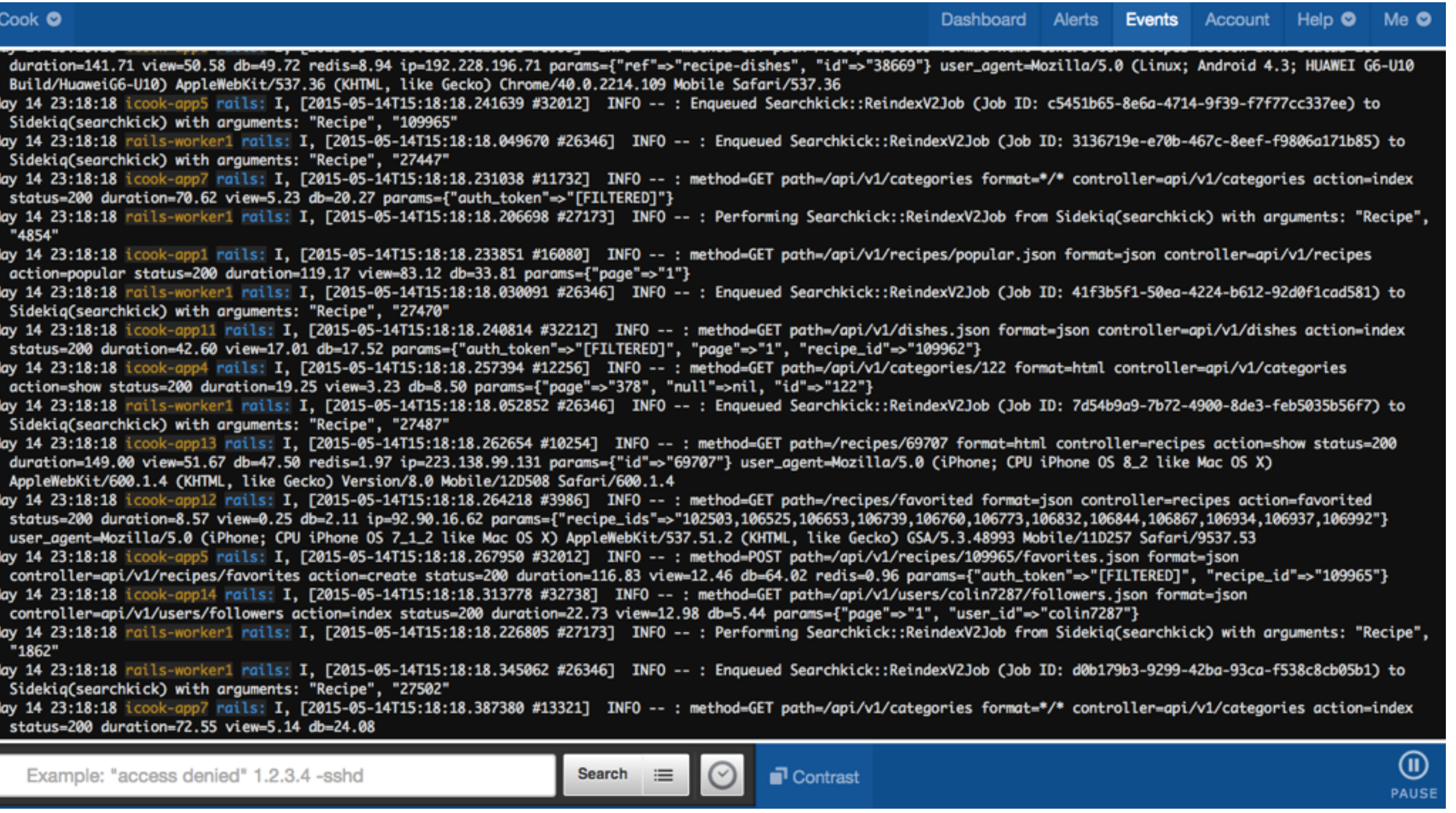
Maintenance

Log

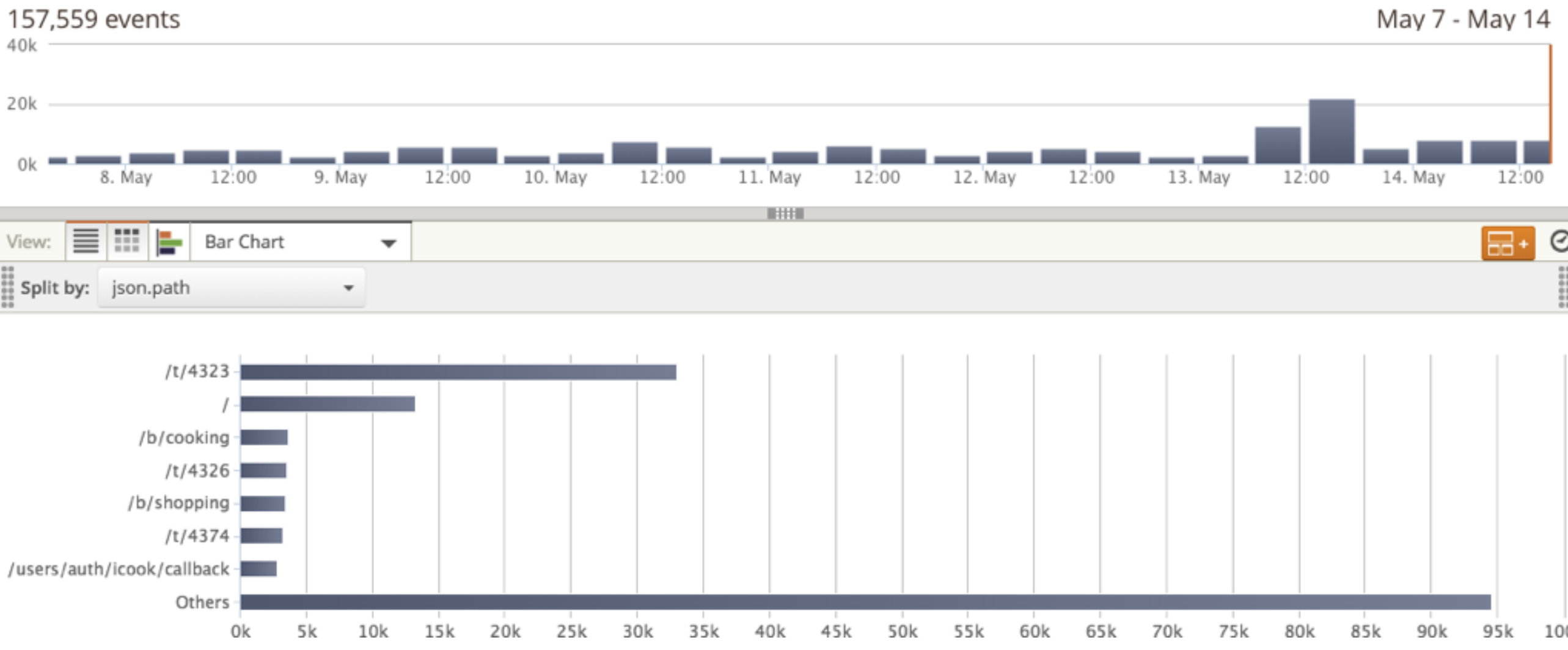
Server

Schedule

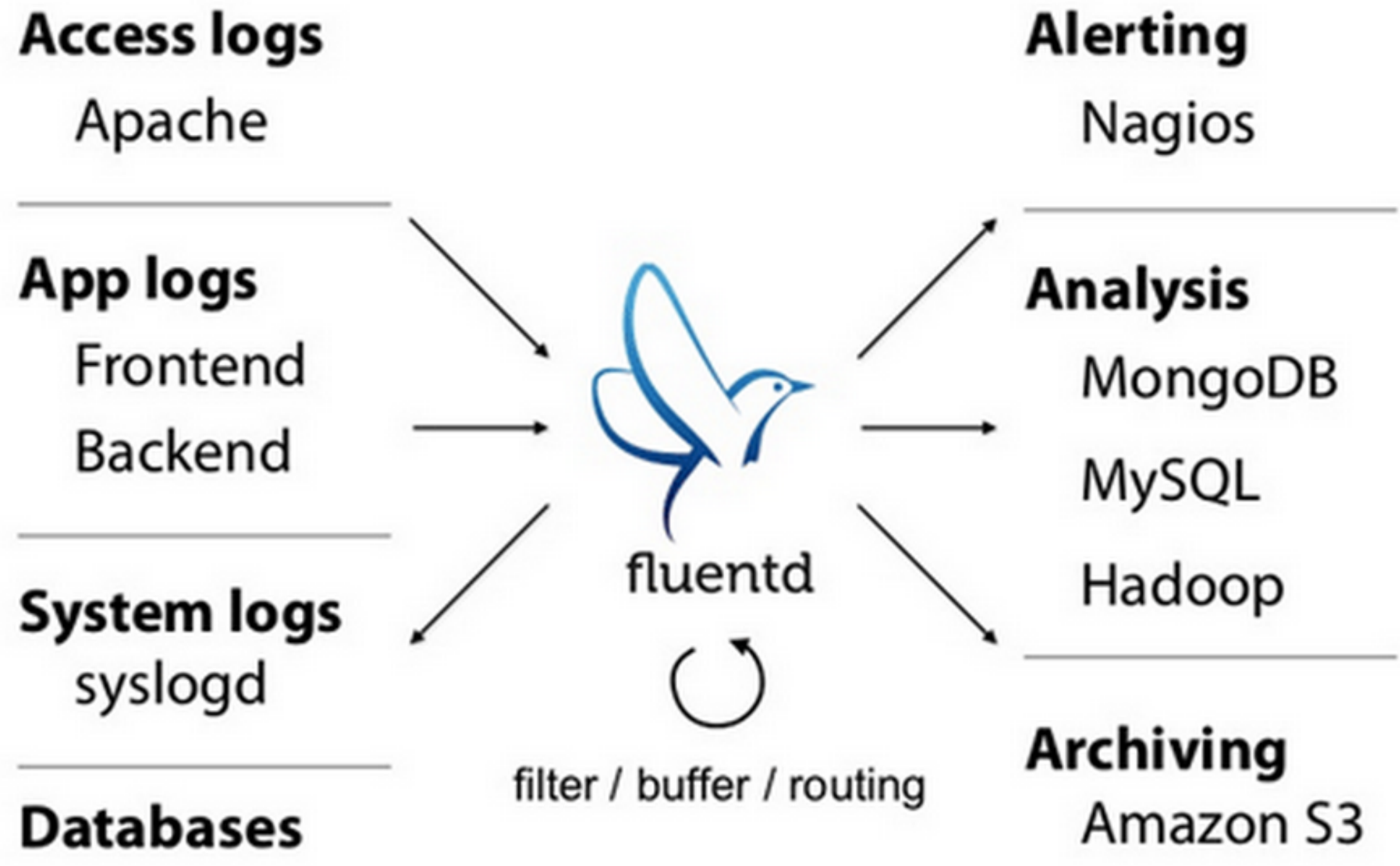
Papertrail


Cook
Dashboard
Alerts
Events
Account
Help
Me
duration=141.71 view=50.58 db=49.72 redis=8.94 ip=192.228.196.71 params={"ref"=>"recipe-dishes", "id"=>"38669"} user_agent=Mozilla/5.0 (Linux; Android 4.3; HUAWEI G6-U10 Build/HuaweiG6-U10) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/40.0.2214.109 Mobile Safari/537.36
ay 14 23:18:18 icook-app5 rails: I, [2015-05-14T15:18:18.241639 #32012] INFO -- : Enqueued Searchkick::ReindexV2Job (Job ID: c5451b65-8e6a-4714-9f39-f7f77cc337ee) to Sidekiq(searchkick) with arguments: "Recipe", "109965"
ay 14 23:18:18 rails-worker1 rails: I, [2015-05-14T15:18:18.049670 #26346] INFO -- : Enqueued Searchkick::ReindexV2Job (Job ID: 3136719e-e70b-467c-8eef-f9806a171b85) to Sidekiq(searchkick) with arguments: "Recipe", "27447"
ay 14 23:18:18 icook-app7 rails: I, [2015-05-14T15:18:18.231038 #11732] INFO -- : method=GET path=/api/v1/categories format=*/* controller=api/v1/categories action=index status=200 duration=70.62 view=5.23 db=20.27 params={"auth_token"=>"[FILTERED]"}
ay 14 23:18:18 rails-worker1 rails: I, [2015-05-14T15:18:18.206698 #27173] INFO -- : Performing Searchkick::ReindexV2Job from Sidekiq(searchkick) with arguments: "Recipe", "4854"
ay 14 23:18:18 icook-app1 rails: I, [2015-05-14T15:18:18.233851 #16080] INFO -- : method=GET path=/api/v1/recipes/popular.json format=json controller=api/v1/recipes action=popular status=200 duration=119.17 view=83.12 db=33.81 params={"page"=>"1"}
ay 14 23:18:18 rails-worker1 rails: I, [2015-05-14T15:18:18.030091 #26346] INFO -- : Enqueued Searchkick::ReindexV2Job (Job ID: 41f3b5f1-50ea-4224-b612-92d0f1cad581) to Sidekiq(searchkick) with arguments: "Recipe", "27470"
ay 14 23:18:18 icook-app11 rails: I, [2015-05-14T15:18:18.240814 #32212] INFO -- : method=GET path=/api/v1/dishes.json format=json controller=api/v1/dishes action=index status=200 duration=42.60 view=17.01 db=17.52 params={"auth_token"=>"[FILTERED]", "page"=>"1", "recipe_id"=>"109962"}
ay 14 23:18:18 icook-app4 rails: I, [2015-05-14T15:18:18.257394 #12256] INFO -- : method=GET path=/api/v1/categories/122 format=html controller=api/v1/categories action=show status=200 duration=19.25 view=3.23 db=8.50 params={"page"=>"378", "null"=>nil, "id"=>"122"}
ay 14 23:18:18 rails-worker1 rails: I, [2015-05-14T15:18:18.052852 #26346] INFO -- : Enqueued Searchkick::ReindexV2Job (Job ID: 7d54b9a9-7b72-4900-8de3-feb5035b56f7) to Sidekiq(searchkick) with arguments: "Recipe", "27487"
ay 14 23:18:18 icook-app13 rails: I, [2015-05-14T15:18:18.262654 #10254] INFO -- : method=GET path=/recipes/69707 format=html controller=recipes action=show status=200 duration=149.00 view=51.67 db=47.50 redis=1.97 ip=223.138.99.131 params={"id"=>"69707"} user_agent=Mozilla/5.0 (iPhone; CPU iPhone OS 8_2 like Mac OS X) AppleWebKit/600.1.4 (KHTML, like Gecko) Version/8.0 Mobile/12D508 Safari/600.1.4
ay 14 23:18:18 icook-app12 rails: I, [2015-05-14T15:18:18.264218 #3986] INFO -- : method=GET path=/recipes/favorited format=json controller=recipes action=favorited status=200 duration=8.57 view=0.25 db=2.11 ip=92.90.16.62 params={"recipe_ids"=>"102503,106525,106653,106739,106760,106773,106832,106844,106867,106934,106937,106992"} user_agent=Mozilla/5.0 (iPhone; CPU iPhone OS 7_1_2 like Mac OS X) AppleWebKit/537.51.2 (KHTML, like Gecko) GSA/5.3.48993 Mobile/11D257 Safari/9537.53
ay 14 23:18:18 icook-app5 rails: I, [2015-05-14T15:18:18.267950 #32012] INFO -- : method=POST path=/api/v1/recipes/109965/favorites.json format=json controller=api/v1/recipes/favorites action=create status=200 duration=116.83 view=12.46 db=64.02 redis=0.96 params={"auth_token"=>"[FILTERED]", "recipe_id"=>"109965"}
ay 14 23:18:18 icook-app14 rails: I, [2015-05-14T15:18:18.313778 #32738] INFO -- : method=GET path=/api/v1/users/colin7287/followers.json format=json controller=api/v1/users/followers action=index status=200 duration=22.73 view=12.98 db=5.44 params={"page"=>"1", "user_id"=>"colin7287"}
ay 14 23:18:18 rails-worker1 rails: I, [2015-05-14T15:18:18.226805 #27173] INFO -- : Performing Searchkick::ReindexV2Job from Sidekiq(searchkick) with arguments: "Recipe", "1862"
ay 14 23:18:18 rails-worker1 rails: I, [2015-05-14T15:18:18.345062 #26346] INFO -- : Enqueued Searchkick::ReindexV2Job (Job ID: d0b179b3-9299-42ba-93ca-f538c8cb05b1) to Sidekiq(searchkick) with arguments: "Recipe", "27502"
ay 14 23:18:18 icook-app7 rails: I, [2015-05-14T15:18:18.387380 #13321] INFO -- : method=GET path=/api/v1/categories format=*/* controller=api/v1/categories action=index status=200 duration=72.55 view=5.14 db=24.08
Example: "access denied" 1.2.3.4 -sshd
Search
Contrast
PAUSE

Loggly


157,559 events
May 7 - May 14
40k
20k
0k
8. May
12:00
9. May
12:00
10. May
12:00
11. May
12:00
12. May
12:00
13. May
12:00
14. May
12:00
View:
Bar Chart
Split by:
json.path
/t/4323
/
/b/cooking
/t/4326
/b/shopping
/t/4374
/users/auth/icook/callback
Others
0k
5k
10k
15k
20k
25k
30k
35k
40k
45k
50k
55k
60k
65k
70k
75k
80k
85k
90k
95k
100

Fluentd


Access logs
Apache
App logs
Frontend
Backend
System logs
syslogd
Databases
fluentd
filter / buffer / routing
Alerting
Nagios
Analysis
MongoDB
MySQL
Hadoop
Archiving
Amazon S3

Log

Server

Schedule

Monit

“mysql” running

“nginx” running

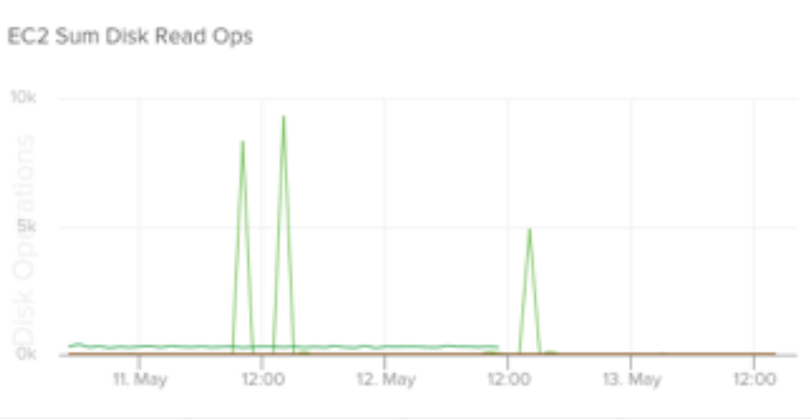
“elasticsearch” execute failed

“td-agent” restarting

Librato

C2 Avg CPU Utilization
11. May
12:00
12. May
12:00
13. May
12:00

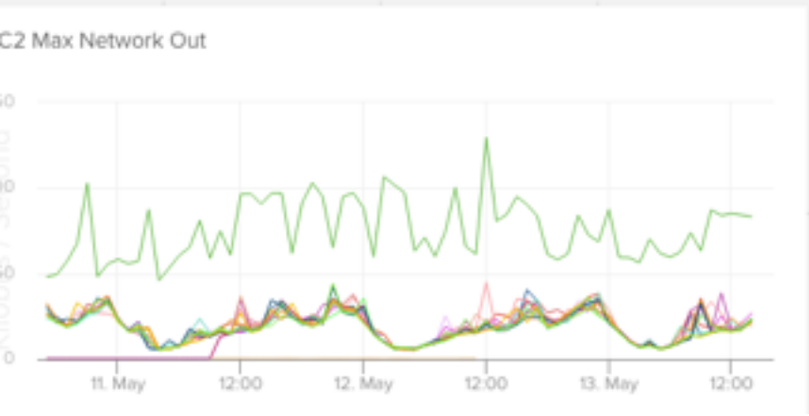
EC2 Avg Disk Reads
0.0075
0.005
0.0025
0
11. May
12:00
12. May
12:00
13. May
12:00

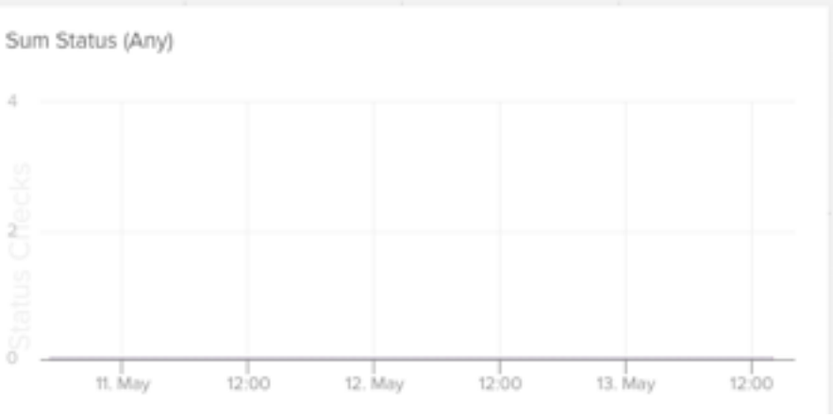

EC2 Sum Disk Read Ops
10k
5k
0k
11. May
12:00
12. May
12:00
13. May
12:00

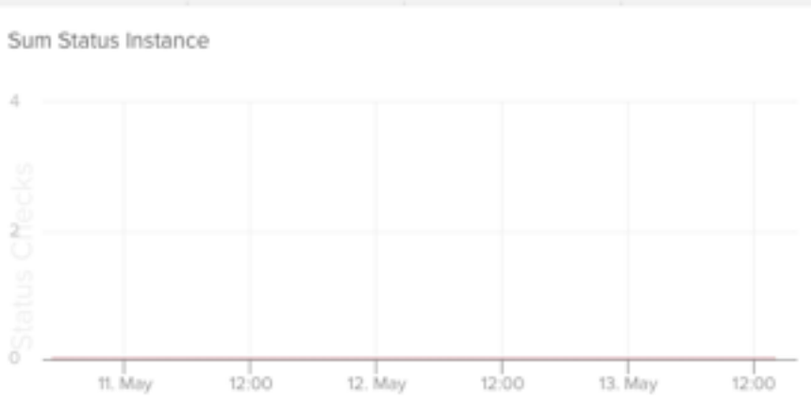
C2 Avg Disk Writes
0.02
0.015
0.01
0.005
0
11. May
12:00
12. May
12:00
13. May
12:00

EC2 Sum Disk Write Ops
150k
100k
50k
0k
11. May
12:00
12. May
12:00
13. May
12:00

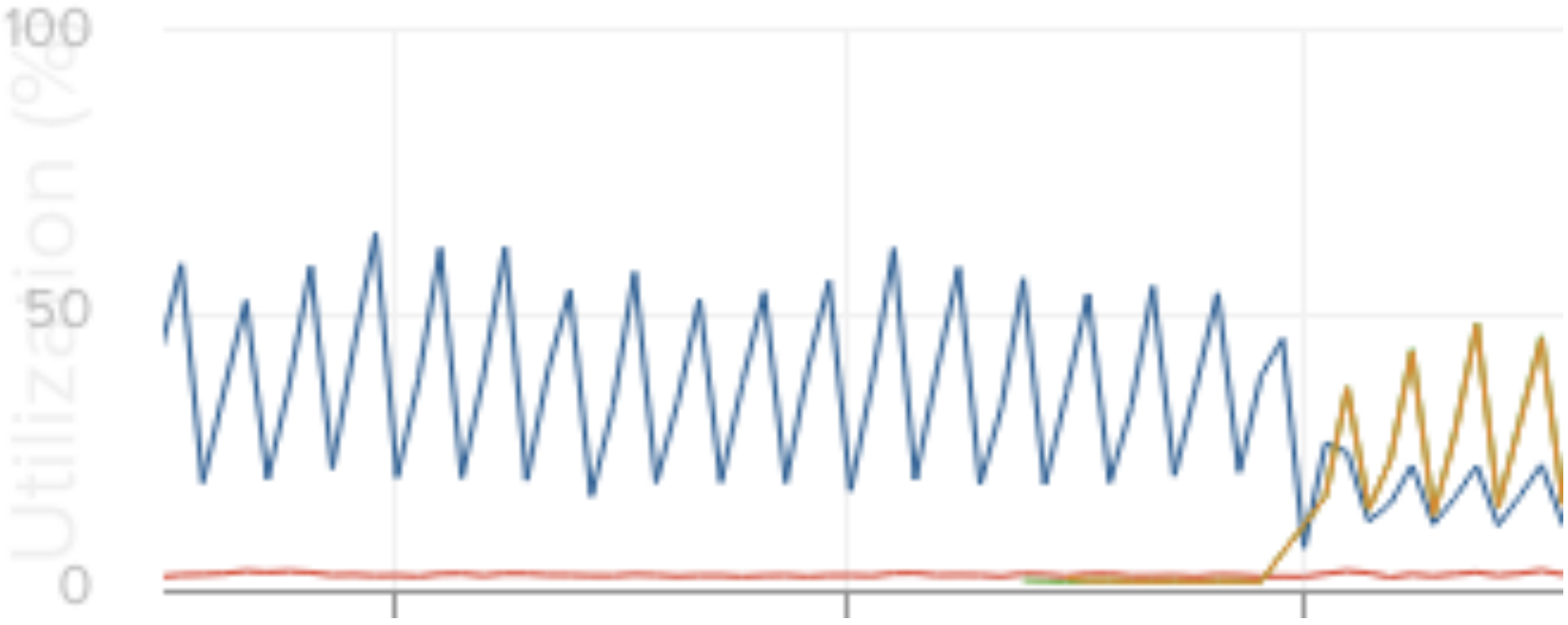
EC2 Max Network In
150
100
50
0
11. May
12:00
12. May
12:00
13. May
12:00


C2 Max Network Out
11. May
12:00
12. May
12:00
13. May
12:00


Sum Status (Any)
4
2
0
11. May
12:00
12. May
12:00
13. May
12:00


Sum Status Instance
4
2
0
11. May
12:00
12. May
12:00
13. May
12:00

RDS CPU Utilization



Pingdom

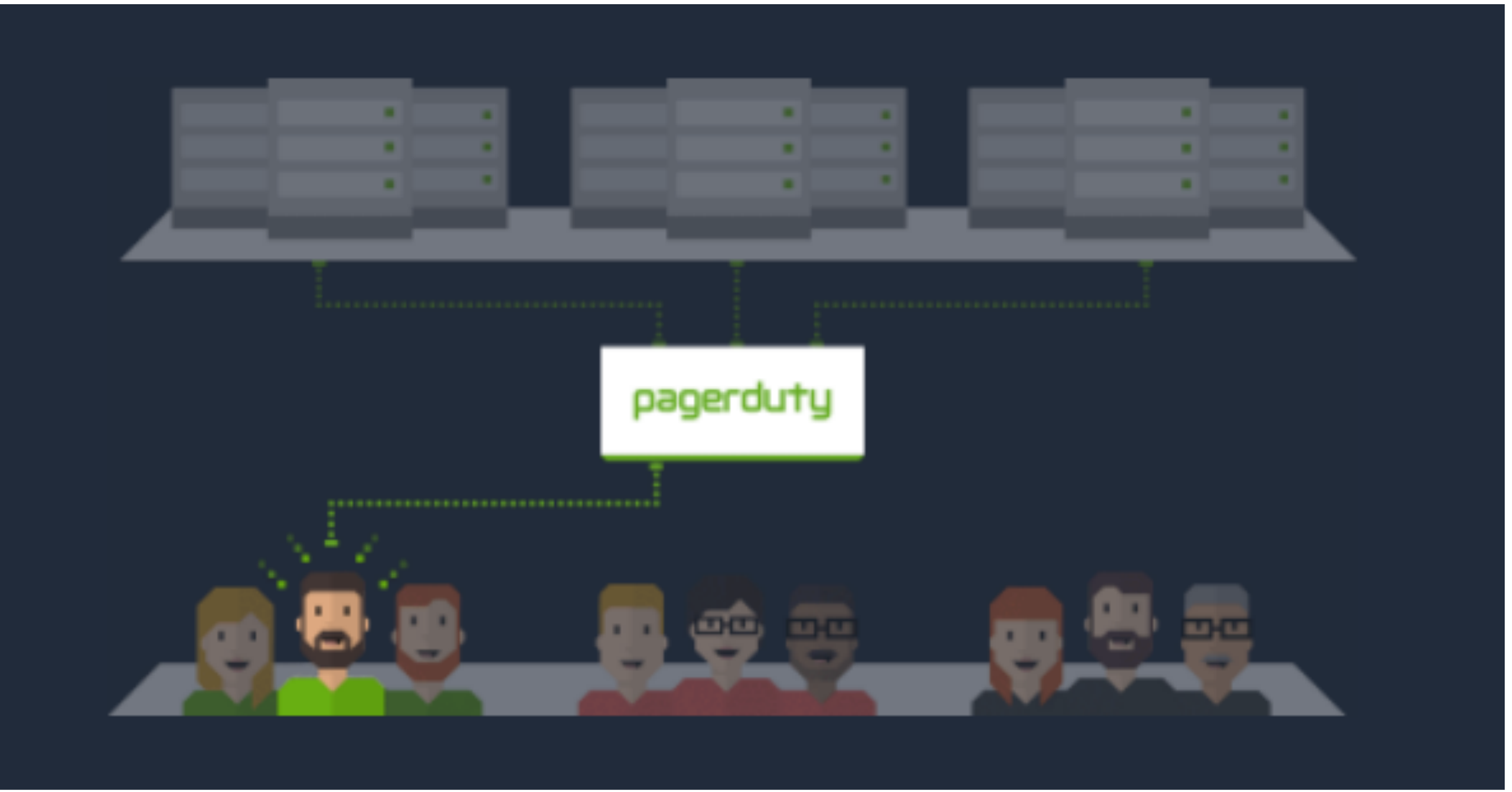
	SITE NAME	TYPE	UP SINCE
↑	**Blog** blog.icook.tw	HTTP	1 mo
↑	**Cafe** cafe.icook.tw	HTTP	13 d
↑	**iCook** icook.tw	HTTP	5 d
↑	**Kitchen** pr.icook.tw	HTTP	2 mo
↑	**Kitchenware** admin.icook.tw	HTTPS	32 m
↑	**Market** market.icook.tw	HTTPS	1 mo
↑	**TV** tv.icook.tw	HTTP	7 d

Log

Server

Schedule

Pagerduty



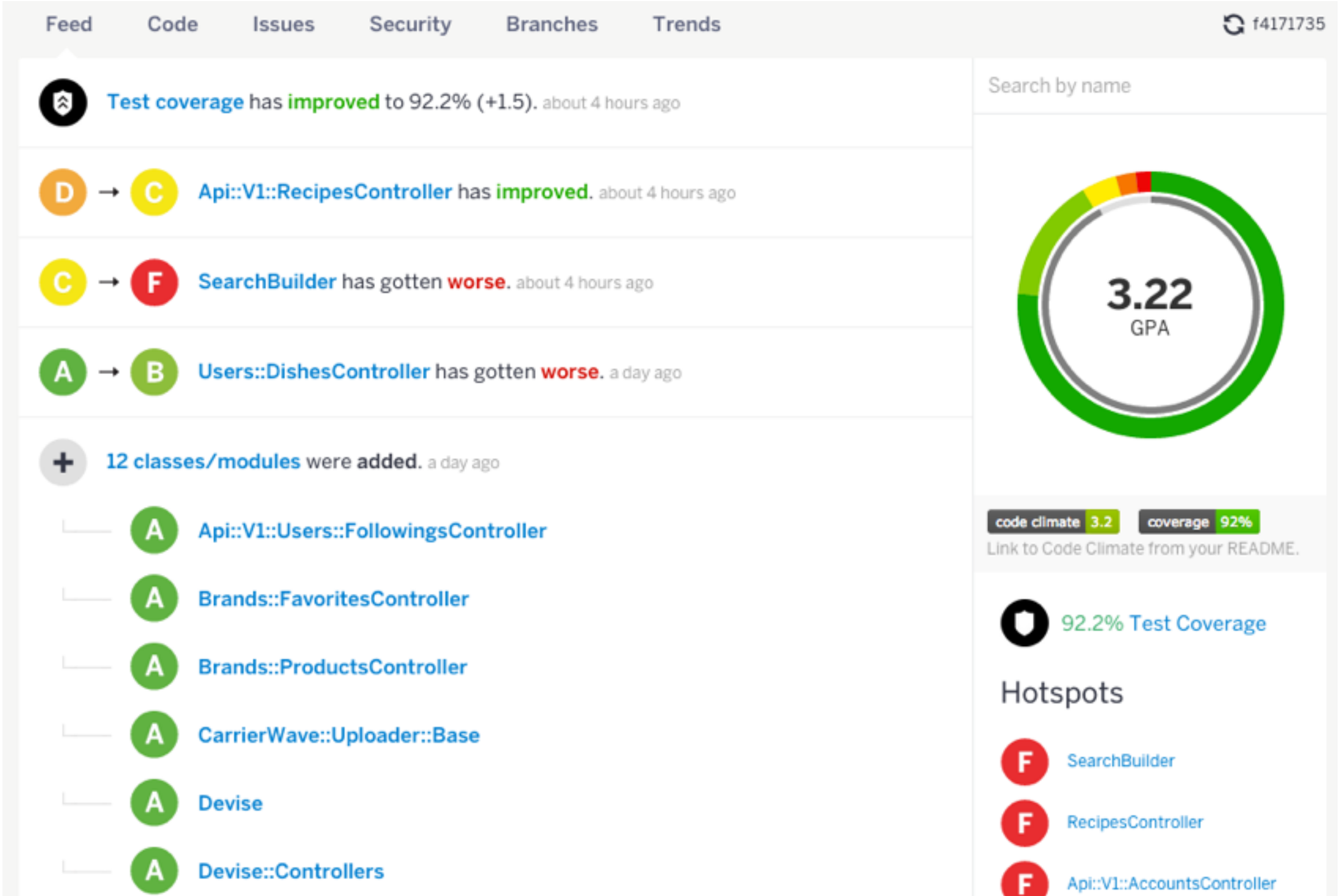
Environment

Deploy

Monitor

Maintenance

Code Climate



Bugsnag

ActionController::UnknownFormat · recipes#print

ActionController::UnknownFormat

P / ● · recipes#print

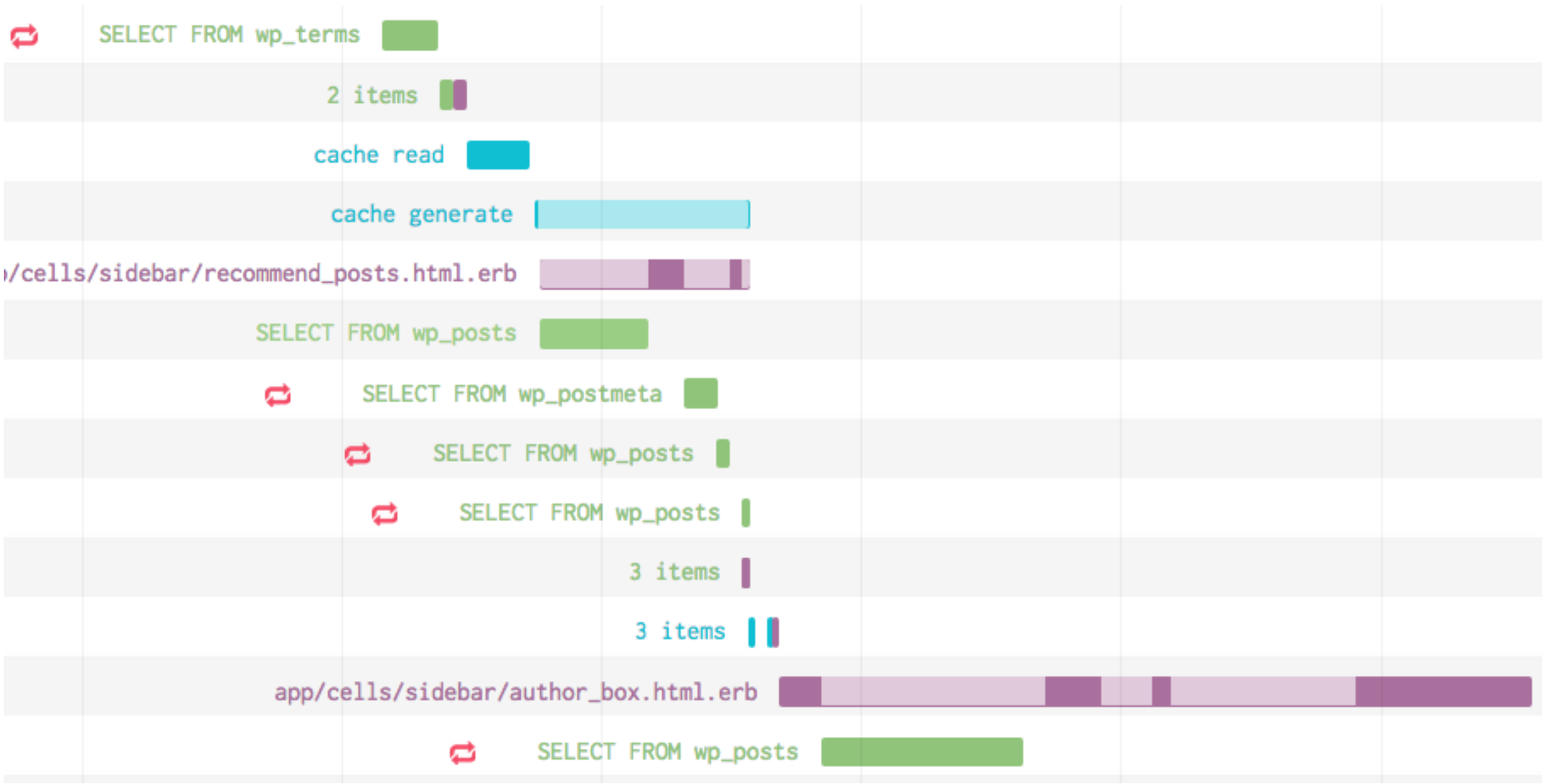
STACKTRACE | REQUEST | SESSION | CUSTOM | HOST | USER | EVENTS | NEW TAB

ActionController::UnknownFormat · *ActionController::UnknownFormat*

app/controllers/recipes_controller.rb:142 · print

```
139     @recipe = Recipe.find(params[:id].to_i)
140
141     if @recipe.published? || @recipe.is_editable_by?(current_user)
142       respond_to do |format|
143         format.html {
144           response.headers['X-Robots-Tag'] = 'noindex, nofollow'
145           render layout: false
```

Skylight


SELECT FROM wp_terms
2 items
cache read
cache generate
/cells/sidebar/recommend_posts.html.erb
SELECT FROM wp_posts
SELECT FROM wp_postmeta
SELECT FROM wp_posts
SELECT FROM wp_posts
3 items
3 items
app/cells/sidebar/author_box.html.erb
SELECT FROM wp_posts

Lots of tools and service

It works not only on my machine

Thank you