



**iterate and ship**

Armin Ronacher

# Armin Ronacher

@mitsuhiko

Flask / Sentry / Lektor

「SENTRY」



# TypeError react/lib/ReactCompositeComponent in updateComponent

● JAVASCRIPT-R3 | Cannot read property 'componentWillReceiveProps' of null | javascript

ASSIGNED



EVENTS

8

USERS

6

✓ Resolve ▾ Snooze ▾ ★ 🗑️ Create GitHub Issue



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## Event 97e62eee2b2d4506b4e7ea955054042b

May 9 2016 21:39:57 CEST | [JSON \(60.5 KB\)](#)

[⏪](#) [Older](#) [Newer](#) [⏩](#)

Last 24 Hours

Last 30 Days

First seen

When: a month ago

Date: April 1 2016 14:51:54 CEST

Release: [6590d03f1e38](#)

Last seen

When: 2 hours ago

Date: May 9 2016 21:39:57 CEST

Release: [a89626174115](#)

### Message

TypeError: Cannot read property 'componentWillReceiveProps' of null

### Tags

browser = [Chrome 50.0](#) device = [Other](#) environment = [prod](#) level = [error](#) logger = [javascript](#)

os = [Mac OS X 10.11.4](#) release = [a89626174115214fcf1e8d29bfc7018a287bfc64](#)

sentry\_version = [1c5ae57c8a9c1dec5ebc83331d8e6572879ea2ad](#)

url = <https://app.getsentry.com/make-me-up-co/> user = [id:43428](#)

### User

## Breadcrumbs



Show 11 collapsed crumbs



xhr

GET `/api/0/subscriptions/make-me-up-co/` [200]

21:39:46



sentry

TypeError: Cannot read property `'_currentElement'` of null

21:39:46



xhr

GET [https://t687h3m0nh65.statuspage.io/api/v2/incidents/unresolved.json?\\_=1462822786179](https://t687h3m0nh65.statuspage.io/api/v2/incidents/unresolved.json?_=1462822786179) [200]

21:39:46



ui.click

`div.col-md-2.org-sidebar > div > ul.nav.nav-stacked > li > a`

21:39:51



navigation

to

`/organizations/make-me-up-co/teams/`

from

`/make-me-up-co/`

21:39:51



sentry

TypeError: Cannot read property `'_currentElement'` of null

21:39:51



ui.click

`span.pull-right.org-selector.dropdown > a.dropdown-toggle > span`

21:39:54



ui.click

`ul.dropdown-menu-right.dropdown-menu > li.active > a`

21:39:56



navigation

to

`/make-me-up-co/`

from

`/organizations/make-me-up-co/teams/`

21:39:56



error

TypeError: Cannot read property `'componentWillReceiveProps'` of null

21:39:57

## BadRequest

```
{u'status': u'invalid event', u'message': u'Event object is invalid', u'errors': [u'Service key is the wrong length (should be 32 characters)']} (99999): []
```

sentry/utils/safe.py in safe\_execute at line 26 | application +/-

```
result = func(*args, **kwargs)
```

sentry/plugins/bases/notify.py in rule\_notify at line 89 | application +/-

```
self.notify(notification)
```

sentry/plugins/bases/notify.py in notify at line 61 | application +/-

```
56.  
57.     def notify(self, notification):  
58.         self.logger.info('Notification dispatched [event=%s] [plugin=%s]',  
59.                         notification.event.id, self.slug)  
60.         event = notification.event  
61.         return self.notify_users(event.group, event)  
62.  
63.     def rule_notify(self, event, futures):  
64.         rules = []  
65.         for future in futures:  
66.             rules.append(future.rule)
```

**event** `<Event at 0x7f68a2996cd0: id=4158489117L, project_id=66490L, group_id=127894815L>`

**notification** `<sentry.plugins.base.structs.Notification object at 0x7f68a24cd488>`

**self** `<sentry_pagerduty.plugin.PagerDutyPlugin object at 0x7f68a4990188>`

sentry\_pagerduty/plugin.py in notify\_users at line 54 | application +/-

```
client.trigger_incident(service_key, description, details=details)
```

# 「 THE TWO PRODUCTS 」



sentry **vs** 'getsentry'



**sentry**

open source repo

on-premise

monthly releases

**'getsentry'**

billing & quotas

depends on sentry

hourly deploys

# 「 THE GOALS 」



deploy in seconds  
be unable to screw up  
and if you do: instant rollbacks

tag a release once a month

# 「WORKFLOW」



commit



review



integration



deploy

requires good test coverage  
requires good local setup  
makes it easier for newcomers



「 COMMITTING 」



# lint on commit!

```
mitsuhiko at herzog in ~/Development/sentry on git:master+? workon sentry  
$ git ci -am 'Performance improvements to the data scrubber.'  
src/sentry/utils/data_scrubber.py:147:1: F401 'unused' imported but unused
```

**On Prem:** 1 Release / Month

**Hosted:** 5 Deployments / Day

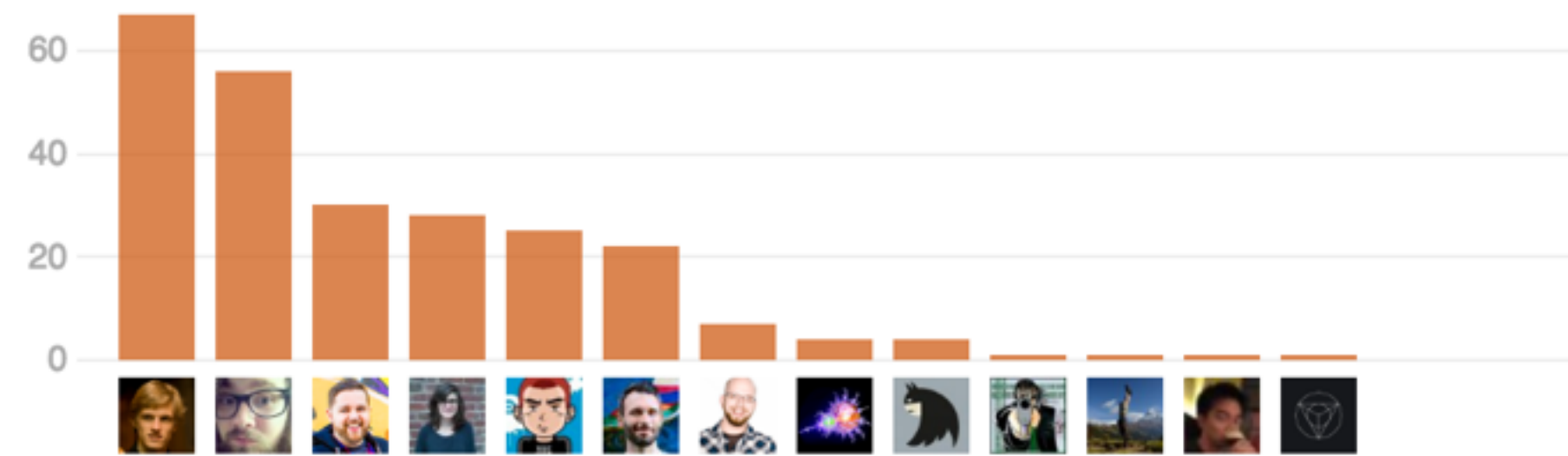
April 9, 2016 – May 9, 2016

Period: 1 month ▾

### Overview

<b>104</b> Merged Pull Requests	<b>7</b> Proposed Pull Requests	<b>46</b> Closed Issues	<b>31</b> New Issues

Excluding merges, **13 authors** have pushed **213 commits** to master and **247 commits** to all branches. On master, **251 files** have changed and there have been **8,385 additions** and **1,681 deletions**.



**4 Releases** published by **1 person**

**Published** 8.3.2 28 days ago

**Published** 8.2.5 12 days ago

**Published** 8.3.3 12 days ago

**Published** 8.4.0 7 days ago

**104 Pull requests** merged by **12 people**

**master is stable**



1. branch off master
2. pull request
3. merge

# all the pull requests

## fix letter avatars in email #3059

**Merged** macqueen merged 2 commits into `master` from `fix-email-avatars` 22 days ago

Conversation 2

Commits 2

Files changed 7



macqueen commented 22 days ago

Sentry member



@getsentry/ui

fix letter avatars in email

dfde8bc



mattrobenolt commented 22 days ago

Sentry member



It'd be worthwhile to probably add some tests for this template tag next. I wouldn't hold up this fix for it though.

Question: if it's simple to use HTML, is there a reason we want to use SVG elsewhere and not just use HTML all the time?

Fix the listing issue and it looks good to me.

add tests for html version of letter avatar

3898b7c

**!! AVOID DOWNTIME !!**



# postgres <3

transactional ddl, concurrent  
indexes, cheap alter table add  
nullable columns

**bidirectional compatibility**

separation of state and connections

# 「CONTINUOUS TESTING」



**sentry**

[travis-ci.org](https://travis-ci.org)

test all the code

**'getsentry'**

[travis-ci.com](https://travis-ci.com)

test code relevant for us

# 「CONTINUOUS DELIVERY」



# FREIGHT

wait for travis > build > ship



ACTIVE DEPLOYS

docs/production#440 5c0c97a  
Started a few seconds ago – by armin master

DEPLOY HISTORY



docs/production#439 5c0c97a  
Finished 2 hours ago – 6 min – by matt master

getsentry/production#2061 d3379cc  
Finished 3 hours ago – 18 min – by matt master

getsentry/production#2060 e9e7e4c  
Finished 3 hours ago – 18 min – by matt master

getsentry/production#2059 a896261  
Finished 5 hours ago – 3 min – by david@getsentry.com a89626174115214fcf1e8d29bfc7018a287bfc64

getsentry/production#2058 a896261  
Failed 6 hours ago – 17 min – by dcramer master

bidirectional  
communication with  
the main slack channel

```
00:48 ☆ armin hubot deploy docs
00:48 Freight BOT [docs/production] Starting deploy #440 (5c0c97a)
[docs/production] Deploy #440 (5c0c97a) was cancelled after 26.41s
```

**dev** never matches **prod** :(

thus: **fast rollbacks!**  
(backwards + forwards compatibility)

# 「CODE STRUCTURE」



large systems are organisms

not all things will run the  
same code at the same time

data schema ~ code behavior

break up larger features



feature flag it!

(we shipped some code to on-prem we backed out)

# 「MOVING PARTS」



keep **dev** basic: fewer parts

do not diverge **dev** from **prod**  
too much

virtual machines and docker  
are not an acceptable dev  
environment

# 「REPRODUCIBLE BUILDS」



pip freeze / npm shrinkwrap

nothing is more frustrating than a failed deploy  
because a dependency of a dependency of a  
dependency of a dependency pushed out a  
broken release



build once > ship to many

# 「 MONITOR FAILURES 」



associate failures to users

map support requests to failures

use sentry :-)





# 「 FRIENDLY ROBOTS 」



replace yourself!

# bots and webhooks

🔗 Commits on May 10, 2016

-  **Use more efficient `sentry.utils.json` instead of `json`**  
mattrobenolt committed 8 minutes ago
-  **Handle non-string platform value**  
dcramer committed 10 minutes ago
-  **getsentry/sentry@94475ea**  
getsentry-bot committed 13 minutes ago
-  **getsentry/sentry@1f19a52**  
getsentry-bot committed 18 minutes ago



# github hooks

Add more commits by pushing to the `move-south-migrations` branch on `getsentry/sentry`.



## All checks have failed

2 failing checks

[Hide all checks](#)



**×** `continuous-integration/travis-ci/pr` — The Travis CI build failed

Required

[Details](#)



**×** `continuous-integration/travis-ci/push` — The Travis CI build failed

Required

[Details](#)



## Required statuses must pass before merging

All required [status checks](#) on this pull request must run successfully to enable automatic merging.

As an administrator, you may still merge this pull request.



**Merge pull request**

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

# notify to communication hub

21:44 **jtcunning** and seeing as how we have 500k+ pulls, we're probably part of that list

21:44 **Freight** BOT [getsentry/production] Successfully deployed [#2060](#) (e9e7e4c) after 1082.96s

21:44 **matt** Yeah, I have no way to gauge that scale.

21:45 ☆ Like, that seems like a super crazy amount, haha

「 BETTER CLIMATE 」



the more robots,  
the better the integration,  
the smaller the fear of doing damage

If you can launch a feature on your first  
day of work that's motivating

# also: happy customers

**Philipp Krenn** @xeraa Following

.@getsentry is a great tool to keep your sanity and is very responsive bug report to fix within 3h on friday night: [github.com/getsentry/sent...](https://github.com/getsentry/sentry)

LIKES 4

8:51 PM - 13 Nov 2015

Reply to @xeraa @getsentry

**Alex MacCaw** @maccaw Following

.@getsentry just implemented a feature request in under an hour. That's got to be a record!

RETWEETS 4 LIKES 14

2:12 AM - 3 Feb 2016

Reply to @maccaw @getsentry

**David Cramer** @zeeg · Feb 3 @maccaw dat continuous deployment

@ProductHunt [producthunt.com/tech/sentry](https://producthunt.com/tech/sentry) h/t @ckj

