



THE LINUX FOUNDATION
OPEN SOURCE SUMMIT

Contributability:

getting more hands on your open source project

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**Even as maintainers,
we're contributors**



Backstory



**What is
contributability?**



**Right now, it's ad
hoc**



Why care?

A decorative blue background on the left side of the slide. It features a large, semi-transparent circular graphic that overlaps a photograph of a forest with tall evergreen trees. The overall aesthetic is clean and professional.

**"If you can't measure it, you
can't improve it."**

- Peter Drucker ¹



**So we can build
better things**



**Choose our metrics
with intent**



**Because project
metrics are not the
same**



**Those are about code,
not people**



**They're adjacent,
we're getting close**



**Metrics that
communicate
interest → metrics
that communicate
interaction**



**commits →
community activity**

cloudfoundry / cf-deployment

Unwatch

131

Unstar

89

Fork

181

Code

Issues 21

Pull requests 8

Projects 0

Insights

Pulse

Contributors

Community

Traffic

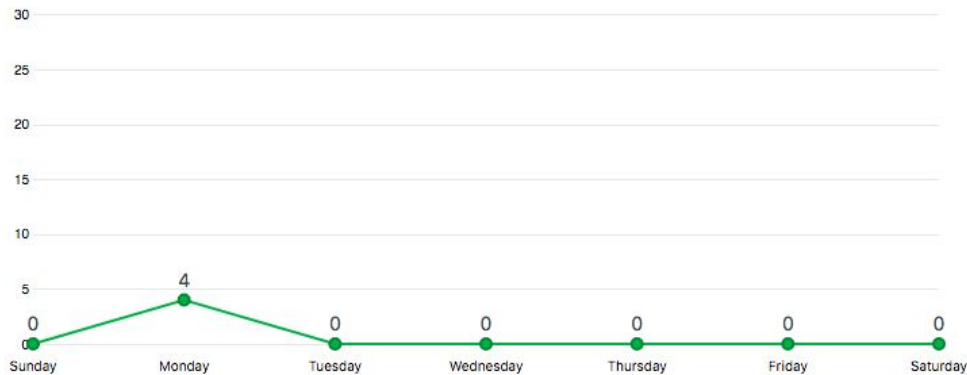
Commits

Code frequency

Dependency graph

Network

Forks



Pulse

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July 30, 2018 – August 30, 2018

Period: 1 month

Overview

19 Active Pull Requests

25 Active Issues

16

Merged Pull Requests

3

Proposed Pull Requests

18

Closed Issues

7

New Issues

Excluding merges, **32 authors** have pushed **180 commits** to master and **241 commits** to all branches. On master, **46 files** have changed and there have been **1,539 additions** and **911 deletions**.





**github stargazers →
interaction**

 [kubernetes](#) / [kubernetes](#)

 Watch ▾

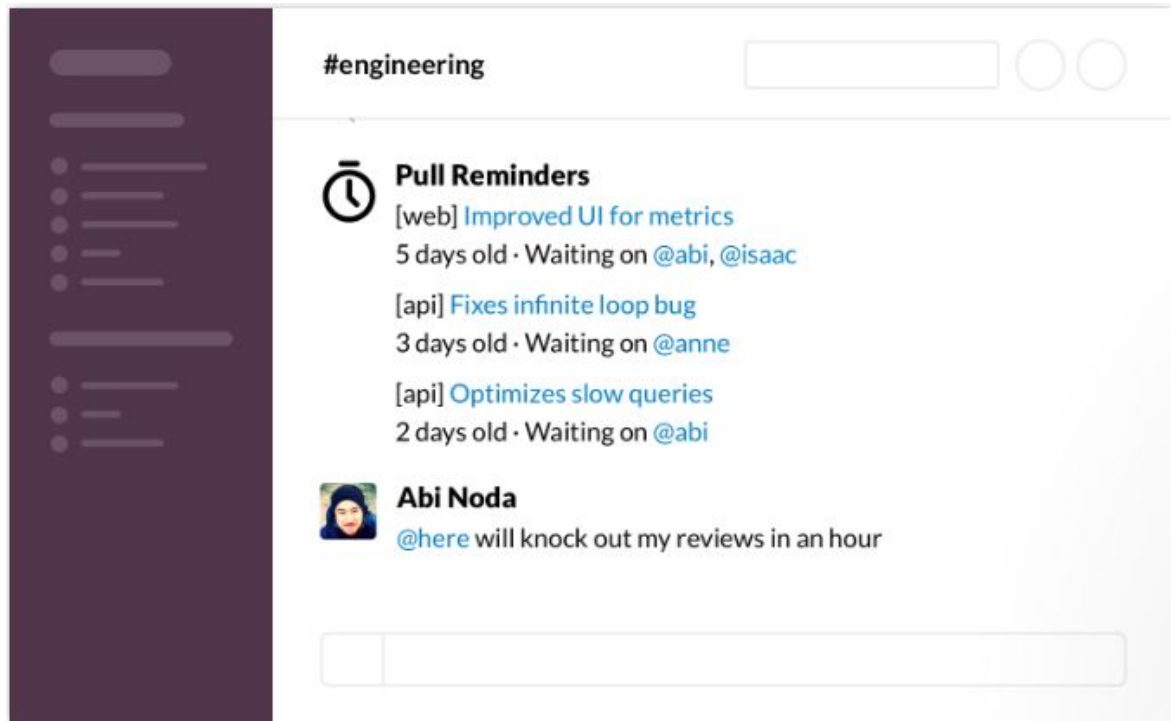
2,626

 Star

39,757

 Fork

13,854



The image shows a screenshot of a social media feed for the hashtag #engineering. On the left is a dark purple sidebar with a list of items. The main content area has a header with the hashtag #engineering, a search bar, and two circular icons. Below the header, there is a section titled "Pull Reminders" with a clock icon. This section contains three entries: "[web] Improved UI for metrics" (5 days old, waiting on @abi, @isaac), "[api] Fixes infinite loop bug" (3 days old, waiting on @anne), and "[api] Optimizes slow queries" (2 days old, waiting on @abi). Below these entries is a post by "Abi Noda" (@here) with the text "will knock out my reviews in an hour". At the bottom of the feed is a large empty text input field.

#engineering

Pull Reminders

[web] Improved UI for metrics
5 days old · Waiting on @abi, @isaac

[api] Fixes infinite loop bug
3 days old · Waiting on @anne

[api] Optimizes slow queries
2 days old · Waiting on @abi

Abi Noda
@here will knock out my reviews in an hour

<https://pullreminders.com/>



clones → contribution

cloudfoundry / cf-deployment

Unwatch 131

Unstar 89

Fork 180

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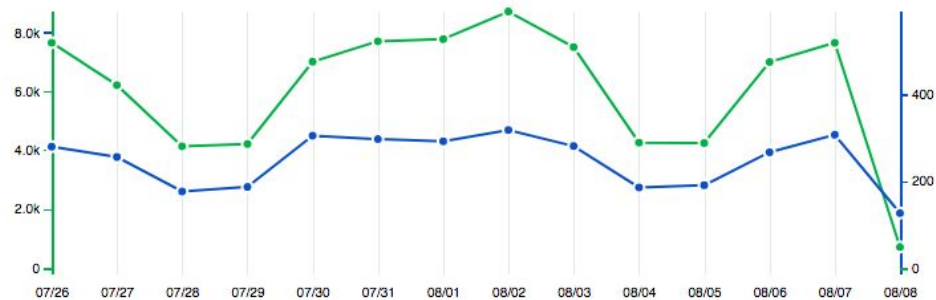
Code frequency

Dependency graph

Network

Forks

Git clones



84,792
Clones

528
Unique cloners



atomist APP 1:24 PM

New comment on open issue [#377: rlp process consumes all memory and swap when binding 5000 syslog drains](#)

@bradylove

@jomora there are a few outcomes from our scaled up test.

- Once the adapters started to reach the RLP's max egress streams the adapter would basically DOS the RLP causing the high CPU on the log-api VMs. To work around this you can set [`reverse_log_proxy.egress.max_streams`] (https://github.com/cloudfoundry/loggregator-release/blob/v102.2/jobs/reverse_log_proxy/spec#L30) to `1000`.
- In the RLP when hitting the `BatchedReceiver` API we are leaking a channel which could account for the high memory usage.
- We can greatly reduce the CPU usage of an idle stream in the Doppler by using a conditional mutex to put the goroutine to sleep when there is no data to send, and then wake up the goroutine when th... [Show more](#)

cloudfoundry/loggregator-release - in progress | Feedback | Aug 6th

Comment

Label



Close

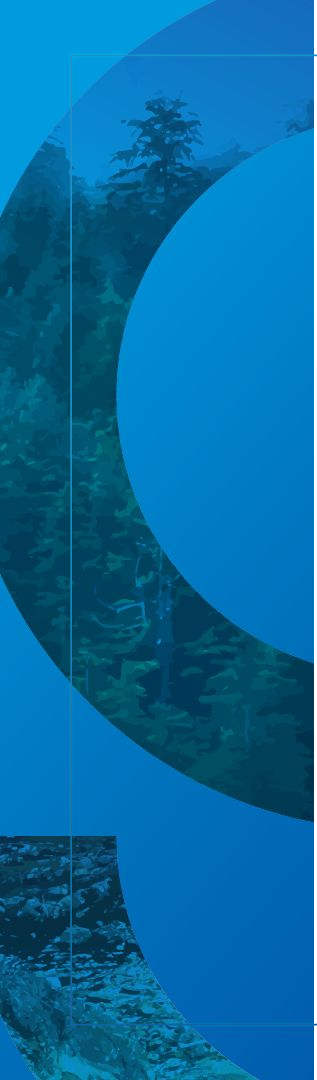
Details



GitHub activity overview (beta)



CNCF Stats



best-in-class communities (the top 20% in terms of maturity) were *twice* as likely to measure community value³

A decorative graphic on the left side of the slide. It consists of a large, semi-transparent blue circle that overlaps a smaller, solid blue circle. The background of the circles is a photograph of a forest with tall evergreen trees and a rocky path.

CHAOSS Project

<https://wiki.linuxfoundation.org/chaoss/metrics>

The image features a decorative blue background on the left side. It includes a large, semi-transparent circular graphic that overlaps a photograph of a forest with tall evergreen trees. Below the forest scene, there is a smaller, curved graphic element that appears to be a rocky or textured surface. The main content of the image is a white rectangular area on the right, which contains the text.

**Improve community
interaction and
contribution**



By measuring it



Observably

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**So the community
knows what you're
about**

A decorative graphic on the left side of the slide. It consists of a large blue circle that is partially cut off by the edge of the frame. Inside the circle, there is a photograph of a forest scene with green trees and a rocky path. The background of the slide is white, and the text is centered in a bold, black, sans-serif font.

**You're a diverse
community⁵**



**Make it visible,
make people
comfortable**

The image features a decorative blue background on the left side, which includes a large circular graphic and a faint image of a forest. The main content is a white rectangular area with a thin blue border containing the following text:

**Inclusive
communities foster
engagement⁶**



**So people want to
contribute to your
project**



Irony



Call for Tooling



Stretch goals

- **Language within communications**
- **Diversity & Inclusions metrics**

#Contributability

github.com/johannasmith/contributability

Resources:

Template community growth graphs:

<https://github.com/BenLloydPearson/grimoirelab-dashboards>

README badge: github.com/johannasmith/contributability

Sources:

[1] <https://guavabox.com/if-you-cant-measure-it-you-cant-improve-it>

[2] <https://github.com/chaoss/metrics>

[3] <https://opensource.com/bus/16/8/measuring-community-health>

[4] <https://opensource.guide/metrics>

[5] <https://opensource.com/business/15/12/top-5-open-source-community-metrics-track>

[6] <https://opensource.com/life/14/8/5-ways-boost-community-engagement>

[7] <https://www.linuxfoundation.org/resources/open-source-guides/tools-managing-open-source-programs>

[8] <https://www.linuxfoundation.org/resources/open-source-guides/measuring-your-open-source-program-success/>



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