

Heat, Light, and Love: Telling Twitter's Open Source Program Office's Story

The Story of Students, Interns and Google Summer of Code Students as told by
Remy DeCausemaker
Sean Goggins

Contact: Sean Goggins — outdoors@acm.org

Twitter year in review: <https://twitter.github.io/year-in-review>

Augur Dev Branch: <http://augur.osshealth.io/>

Augur Dev Branch API

Endpoints: <http://augur.osshealth.io:5000/api/unstable/repos>

Augur API Docs: <https://oss-augur.readthedocs.io/en/dev/>

Augur Docs: http://augur.osshealth.io/api_docs/

I want metrics



An Unexpected Journey



Augur



Interns



GSOC



CS Prof



OSPO

Open Source Metrics: Vision and Reality

Year One



An Iterative Process

Year One



OSPO
Need



Vision



Web App
Reports



CHAOSS /
Augur Goals



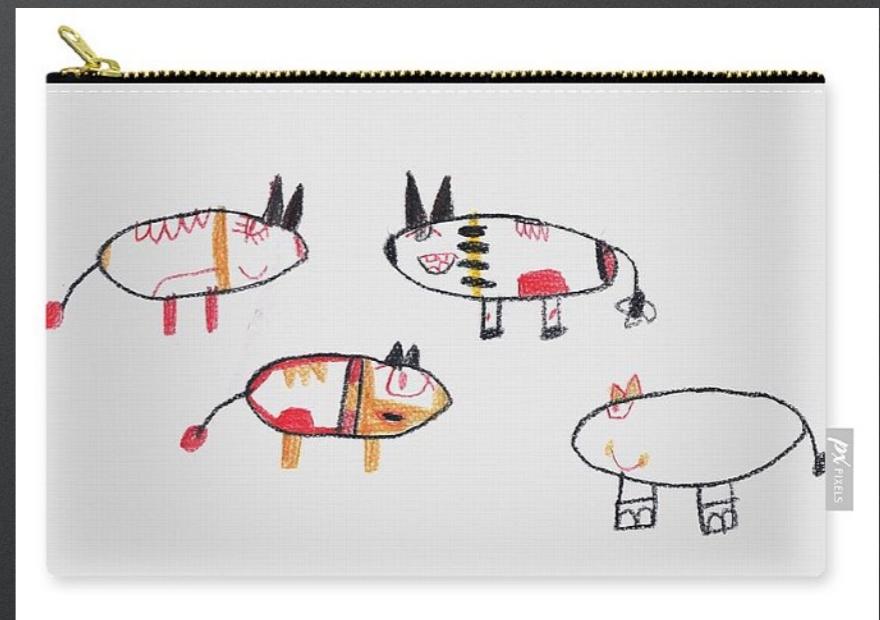
Data

APIs

Software



Vision



Result

An Iterative Process

Year Two

OSPO
Need



Vision



Web App
Reports

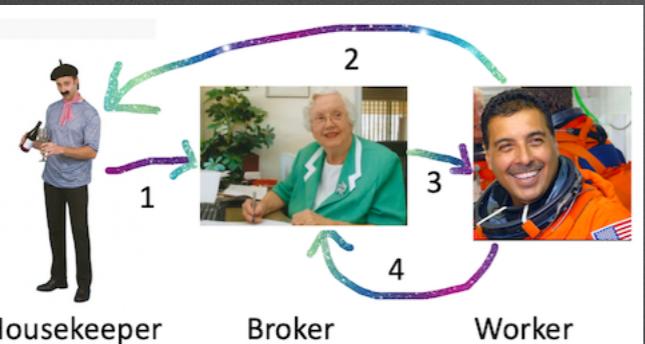


CHAOSS /
Augur Goals

Data

APIs

Software



Welcome
Jan 2019 - Jan 2020
Year in Review
An overview of the past 12 months of activity on Twitter's Open Source projects.

Welcome
Top 10 repos
Locations
Heat metrics
Light metrics
Love metrics
@TwitterOSS

Year in Review

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66k forks
Forks represent the number of repositories used by developers and testing.

2427 PRs merged

Our users contribute pull requests often directly back to us.

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141k commits

Commits reflect the amount of activity across our repositories.

416 committers

Committers are the those individuals that often change in our repositories.

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7141 watchers

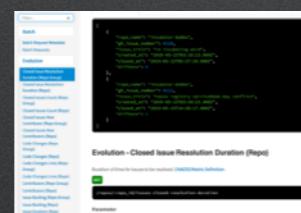
Watchers receive notifications for some or all changes to our repositories.

135k stars

Stars show preference for a repository, like a bookmark.

Vision

Result



Year In Review: Twitter

Welcome

This webpage updates weekly and provides a sliding window into the previous 12 months. Patches are always welcome.

- [Top 10 repos](#)
- [Locations](#)
- [Heat metrics](#)
- [Light metrics](#)
- [Love metrics](#)
- [@TwitterOSS](#)

Jan 2019 - Jan 2020

Year in Review

An overview of the past 12 months of activity on Twitter's Open Source projects.

Heat, Light, Love

- [Welcome](#)
- [Top 10 repos](#)
- [Locations](#)
- [**Heat metrics**](#)
 - Heat means work. We measure heat by the number and frequency of commits and committers across our repos.
- [Light metrics](#)
- [Love metrics](#)
- [@TwitterOSS](#)



141k commits

Commits reflect the amount of activity across our repositories.

416 committers

Committers are the unique individuals that drive change in our repositories.

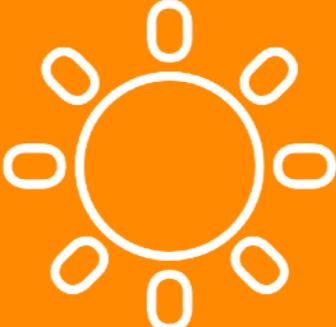
Heat, Light, Love

- Welcome
- Top 10 repos
- Locations
- Heat metrics

Light metrics

Light means visibility. We measure visibility by number of watchers subscribed to updates, and number of people who have favorited our projects.

- Love metrics
- @TwitterOSS



7141 watchers

Watchers receive notifications for some or all changes to our codebases.

135k stars

Stars show preference for a repository, like a bookmark.

Heat, Light, Love

 Twitter Open Source Year in Review

Welcome

Top 10 repos

Locations

Heat metrics

Light metrics

Love metrics

Love means culture and support. We measure love by the number of users who have copied our projects and contributed changes back upstream.

@TwitterOSS



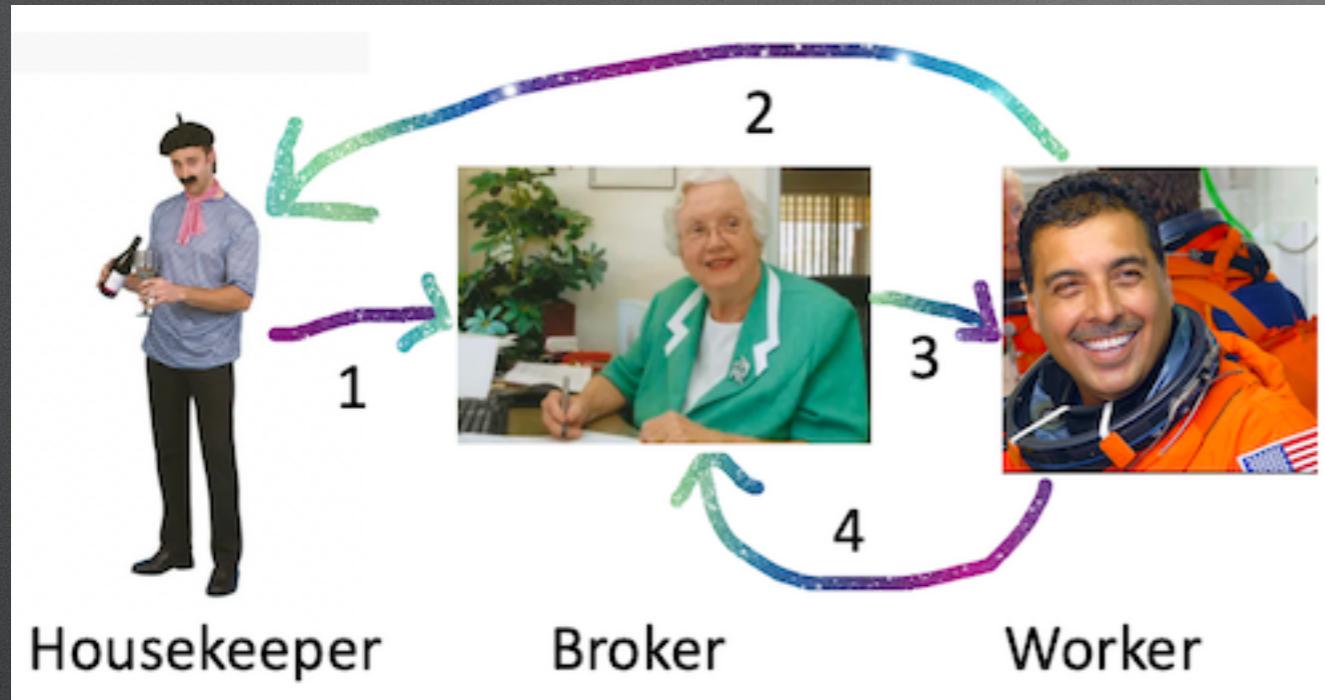
66k forks

Forks represent full-copies of our repositories, usually for development and testing.

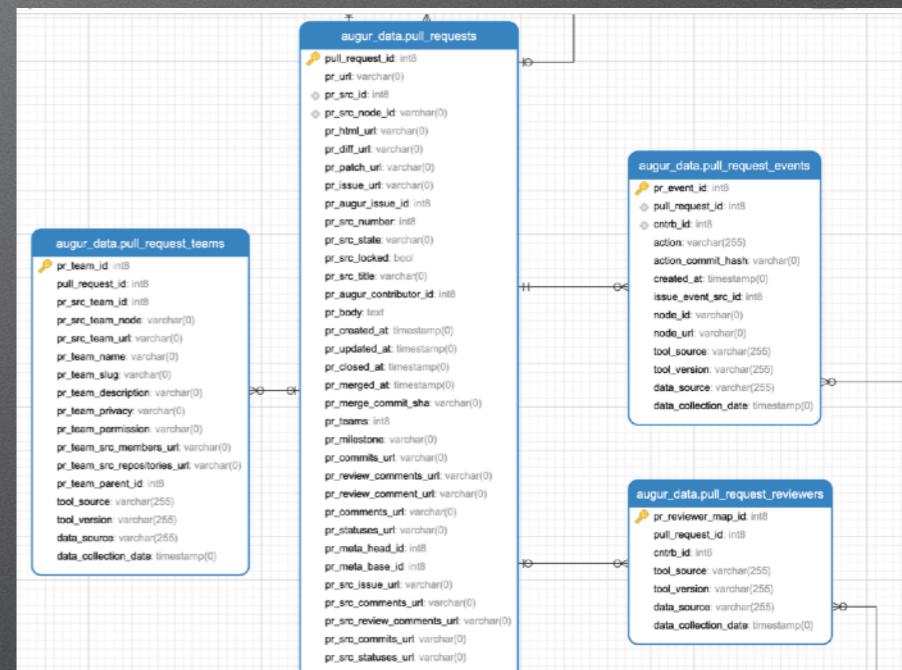
2427 PRs merged

Our users contribute pull requests (PRs) directly back to us.

Augur Comprehensive Data Collection Architecture



Hardened Data Collection



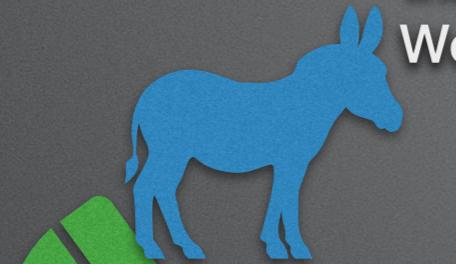
Relational, Named, Structure Data



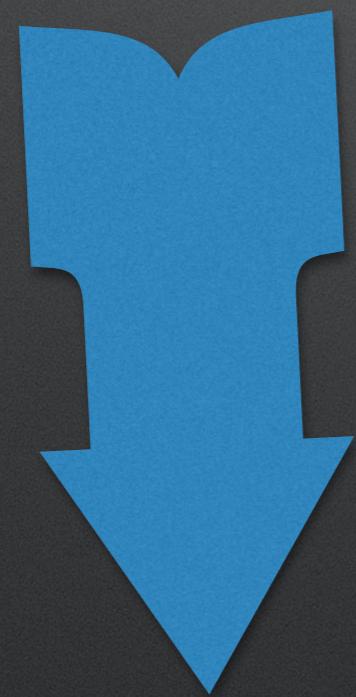
API's

Augur Push

Machine Learning
Insight
Worker

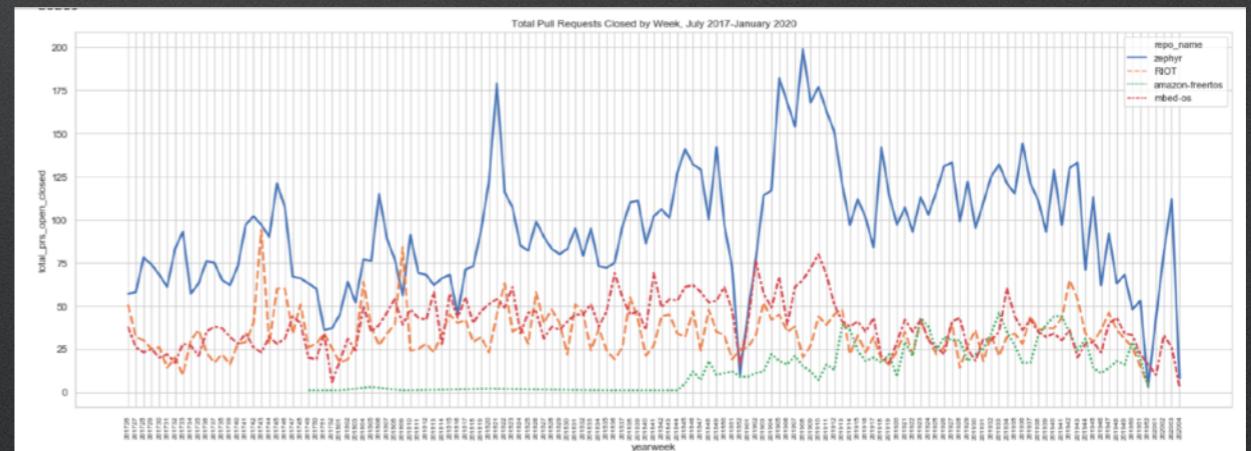


API's



The screenshot shows a Slack interface with a sidebar for 'Augur Labs' and a main channel window. The channel is titled '#notifier-test-891'. It displays several messages from the bot 'Slackbot' and user 'Sean P. Goggins' providing real-time data analysis and API notifications. The messages include statistics about GitHub repository activity like commit counts and pull requests over the last 90 days.

Slack



Custom Reports Shared Via Jupyter Notebooks