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

You have no idea what you mean, do you?
An Unexpected Journey

Augur

Interns

CS Prof

CHA OSS

GSOC

OSPO
Open Source Metrics: Vision and Reality

Year One

OSPO Need

Vision

Web App Reports

CHAOSS / Augur Goals

Data

APIs

Software

Imagined

Rea
An Iterative Process

Year One

OSPO Need

Vision

Web App Reports

APIs

Software

CHA OSS / Augur Goals

Data

Software

Web App

Reports

Vision

Result
An Iterative Process

Year Two

OSPO Need

Vision

Web App Reports

Data

APIs

Software

CHAOSS / Augur Goals

Result

Year in Review

Welcome

Housekeeper

Broker

Worker

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.

- 7141 watchers
  - Watchers receive notifications for some or all changes to our codebases.
- 135k stars
  - Stars show preference for a repository, like a bookmark.

- Love metrics
- @TwitterOSS
Heat, Light, Love

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

Slack

Custom Reports Shared Via Jupyter Notebooks