

If There Are No Metrics, Did It Even Happen? Tracking Open Source Contributions at Comcast

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Comcast Open Source Program Office

Opened beginning of 2017

Support 7k+ developers

Support 141 project repos on GitHub

4 person team





How do we
quantify the work?

We needed a
way to
measure





Project health metrics can help us determine which projects are thriving.



Project health metrics can help us determine which ones may need attention.

Which projects are we contributing to?

Are people outside of Comcast contributing to our projects?

Which developers are actively contributing to open source projects?

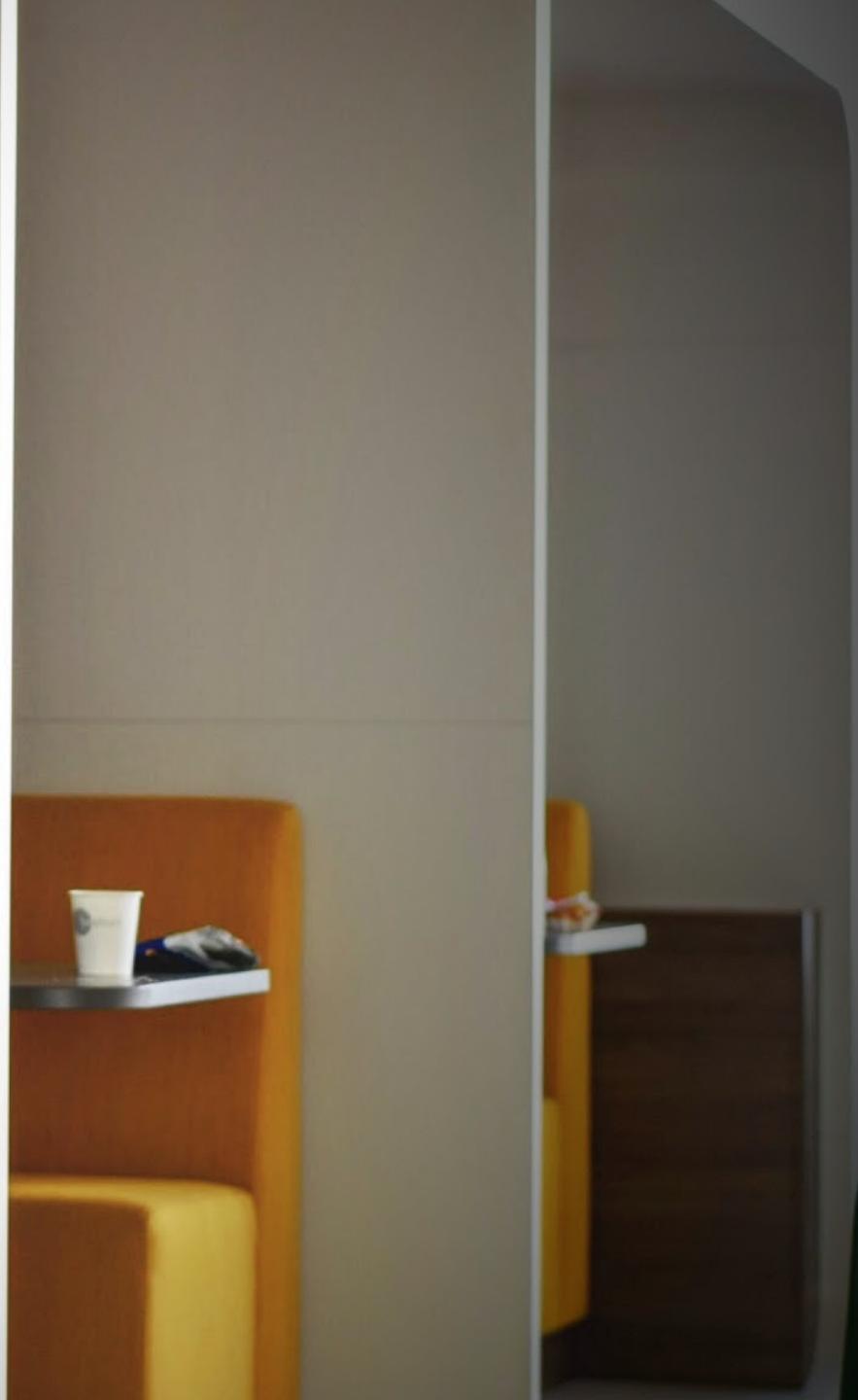
Which Comcast projects have an active community?



It was time to
cross-collaborate.









Which projects are we contributing to?

Are people outside of Comcast contributing to our projects?

Which developers are actively contributing to open source projects?

Which Comcast projects have an active community?



Comcast

COMCAST Comcast brings together the best in media and technology to create the world's best entertainment and online experiences

<https://comcast.github.io>

Repositories 245

People 385

Teams 81

Projects 0

Settings

Search repositories...

Type: All ▾

Language: All ▾

Customize pinned repositories

New

parodus

The XMiDT client.



xmidt xmidt-client

● C ★ 10 21 Apache-2.0 Updated 7 hours ago

talaria

The Webpa routing agent.



● Go ★ 4 4 Apache-2.0 Updated 11 hours ago

wdmp-c

C implementation of the WebPA Data Model Parser



webpa webpa-client

● C ★ 1 9 Apache-2.0 Updated 12 hours ago

webpa-common

The collection of small common packages for the webpa project.



caduceus scytale webpa talaria petasos xmidt

● Go ★ 18 10 Apache-2.0 Updated 12 hours ago

Top languages

● Go ● JavaScript ● C ● Java
● Python

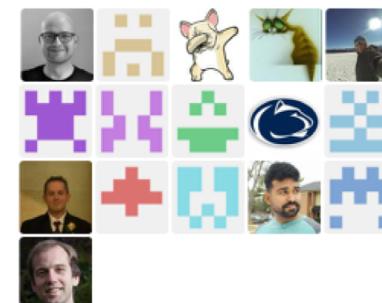
Most used topics

Manage

ospok webpa xmidt
javascript akamai

People

385 >



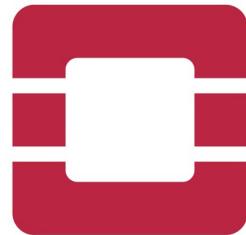
Invite someone



kubernetes



fluentd

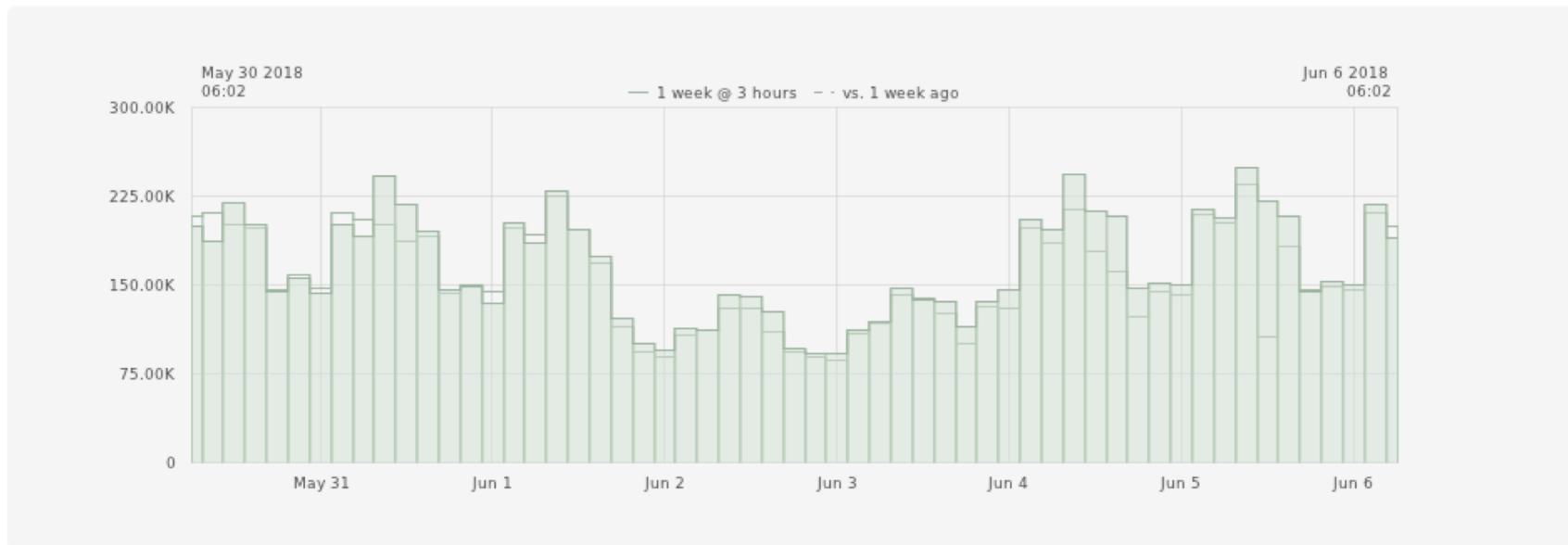


openstack®



Tools





Open-source developers all over the world are working on millions of projects: writing code & documentation, fixing & submitting bugs, and so forth. GH Archive is a project to **record** the public GitHub timeline, **archive it**, and **make it easily accessible** for further analysis.

GitHub provides [20+ event types](#), which range from new commits and fork events, to opening new tickets, commenting, and adding members to a project. These events are aggregated into hourly archives, which you can access with any HTTP client:

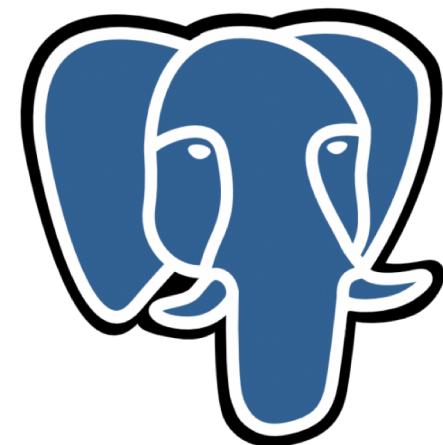
Query	Command
Activity for 1/1/2015 @ 3PM UTC	<code>wget http://data.gharchive.org/2015-01-01-15.json.gz</code>
Activity for 1/1/2015	<code>wget http://data.gharchive.org/2015-01-01-{0..23}.json.gz</code>
Activity for all of January 2015	<code>wget http://data.gharchive.org/2015-01-{01..30}-{0..23}.json.gz</code>

[Code](#)[Issues 5](#)[Pull requests 0](#)[Projects 1](#)[Wiki](#)[Insights](#)

GitHub archives, git, GitHub API -> Postgres databases -> Grafana dashboards <https://k8s.devstats.cncf.io/>

[githubarchive](#)[postgres](#)[kubernetes](#)[prometheus](#)[opentracing](#)[fluentd](#)[linkerd](#)[grpc](#)[postgres-database](#)[grafana-dashboard](#)[metrics](#)[apache](#)[rkt](#)[cni](#)[envoy](#)[jaeger](#)[notary](#)[cncf](#)[statistics](#)

Grafana



Postgre**SQL**

Code

Issues 12

Pull requests 0

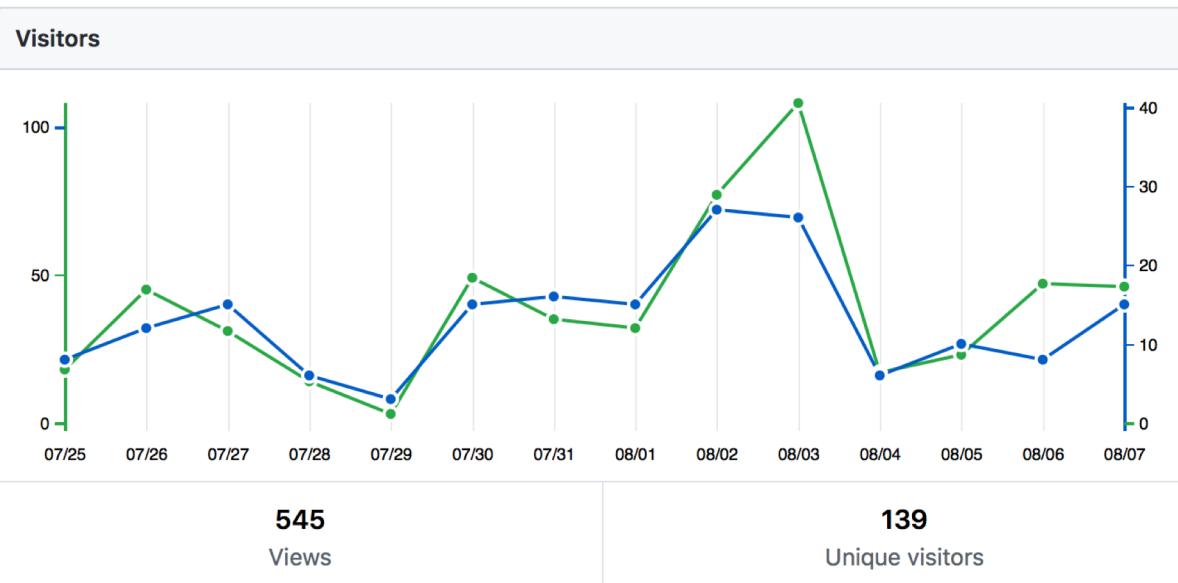
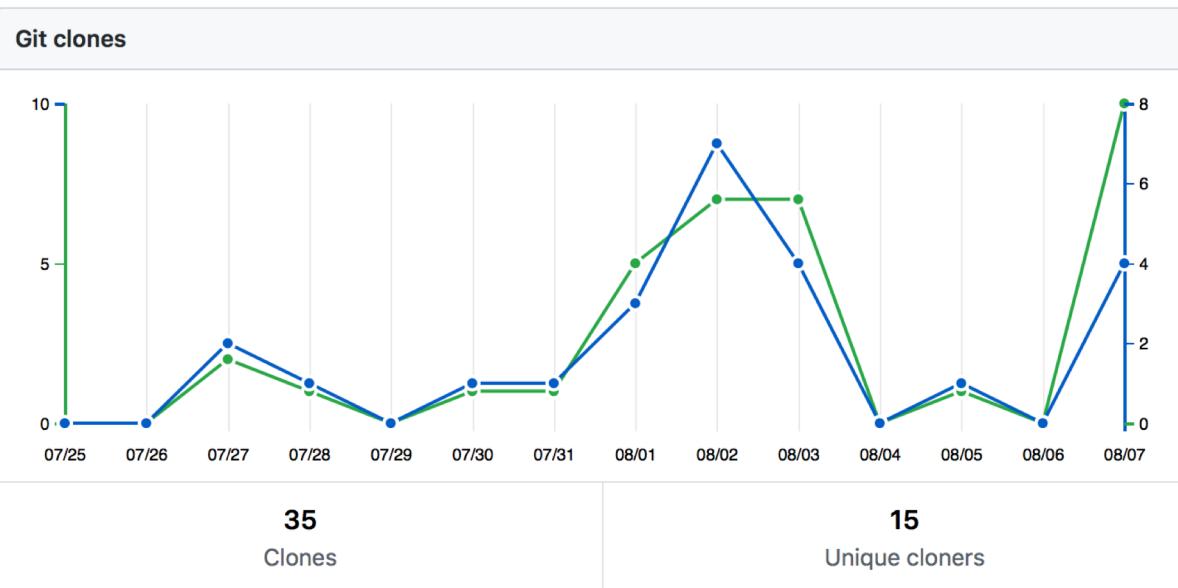
Projects 0

Wiki

Insights

Settings

- Pulse
- Contributors
- Community
- Traffic
- Commits
- Code frequency
- Dependency graph
- Network
- Forks



Code

Issues 6

Pull requests 1

Projects 0

Wiki

Insights

Prometheus exporter for github metrics

prometheus-exporter

metrics

prometheus

exporter

monitoring

github

50 commits

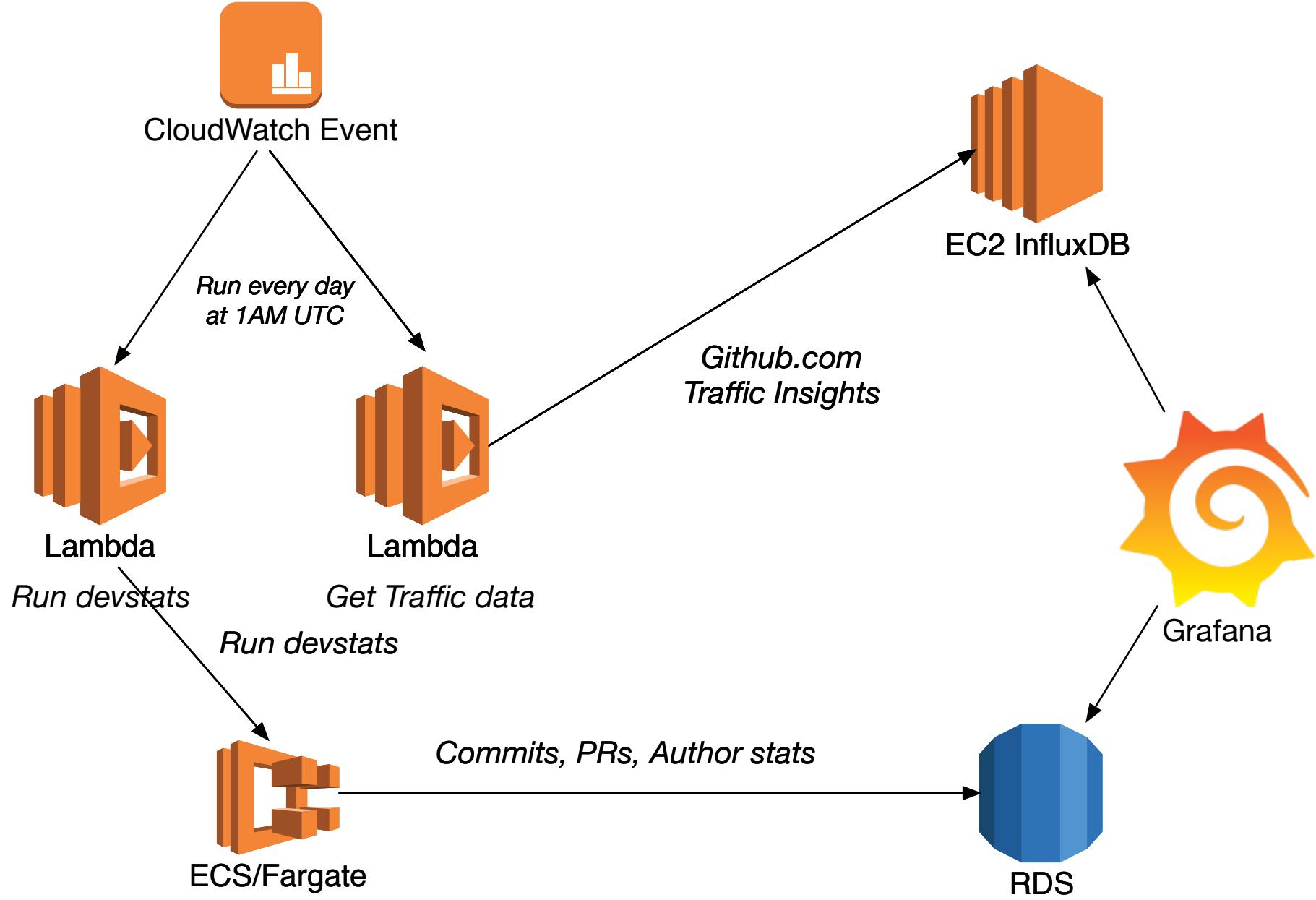
3 branches

4 releases

9 contributors

MIT





Thank
you!

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