

# Jaeger Project Monthly Call

## Call Details

- Video call: <https://zoom.us/j/96017839550?pwd=...> or <https://logz-io.zoom.us/j/87817137433>
  - If not joining through the link, Meeting ID 960-1783-9550, Password: 690161
- Schedule: ([link to Google Calendar](#))
  - Monthly on the 3rd Thursday, 11am New York time

## Why Join This Call

- Follow project updates and current work
- Ask questions to maintainers
- Participate in the architecture discussions & feature prioritization

## Meeting Notes

### 2025-05-15

- Project updates - Mentorships (current active projects)
- Clickhouse work
- Himanshu asking about the React UI upgrade - [Upgrade Jaeger-UI to React v19 · Issue #2764 · jaegertracing/jaeger-ui](#)

### 2024-07-18

- QueryService missing features vs v1
- Need to also do this for Kafka v1 vs v2
- Potential projects for next semester of internships
  - Helm Chart
  - Operator
- Need to figure out the config
- [Jonah] - Projects are due on Tuesday - Doc for draft [Jaeger LFX Mentorship](#)
- Pavol Loffay deprecate Jaeger agent
  - Keep it until V1 exists or it produces incompatibility issues

## 2024-03-28

- Kubecon
  - Contribfest - Not a great use of time to make an actual impact/change
    - Might be better to have a hands-on demo
    - Jonah will ask the contribfest organizer if we can do something different for SLC
  - Observability day - 5 minute thing
  - Session was very busy - 800 people plus at least 75 who cannot get in
  - Next time (SLC) we should do more polling - [Slido - Audience Interaction Made Easy](#)
    - Ask questions about what they are interested in, what they would like to see us do in the project
  - Do we have survey feedback? - Jonah to ask : <https://cloud-native.slack.com/archives/C0Y3Q6M0T/p1711639225627079>
- Mentorship
  - GSOC - Jaeger v2 operator work
    - How do we deal with backend provisioning and management
  - LFX Summer - Need to think about adaptive sampling and some other items not handled in the last semester

## 2024-03-21 - moved to next week due to KubeCon

## 2024-02-15

- [jkowall] - Discuss futures around SPM and metric aggregates
  - Using ClickHouse/ElasticSearch/OpenSearch directly to create SPM metrics without Otel rollup.
  - Need to have v2 storage API before CH is finished
- [jkowall] - Flink work on jobs vs Spark approach today
  -
- [jkowall] - Other roadmap items we should consider (monitoring use cases and production vs debugging)

## 2023-09-21

- Kubecon participation
-

2023-07-20

- LFX Mentorship
  - Possible to add some frontend projects?
  - How to find resources for frontend dev?

2023-06-15

- Friendly chat

2023-05-18

- LFX mentorship projects -
  - Yash - Start ramping up on the project - <https://github.com/jaegertracing/jaeger-ui/issues/1288> - for mentoring and have some basic idea about the deliverables
- Discussion on Tempo's TraceQL

2023-04-20 - canceled

Due to KubeCon

2023-01-19

- Jaeger schema support in OpenSearch dashboards is ready for review and contributions: [Add support for jaeger schema \[FEATURE\] · Issue #755 · opensearch-project/observability \(github.com\)](#) (Derek Ho to present and discuss)
  - [Recording](#)

2022-12-15 - no meeting

2022-11-17

- We are encouraged to put Jaeger project details into the landscape [https://github.com/cncf/landscape/blob/master/readme\\_summary.md](https://github.com/cncf/landscape/blob/master/readme_summary.md)

## 2022-10-20

- Promscale backend certification
- Cassandra support in OTEL Collector as exporter

## 2022-09-15

- Meeting link: <https://logz-io.zoom.us/j/87817137433>
- AOB
- Vineeth: Update on Promscale as a certified Jaeger backend.
  - Write path supported
  - Promscale License is APLv2

## 2022-08-18

- Multitenancy status ([umbrella issue](#)) (Ed Snible)
  - Metrics partitioned per tenant
  - Self tracing in jaeger is not supported
  - UI

## 2022-07-21

- Jaeger @ AmEx (Peter Lin)
  - PT/day On OpenSearch 1.2
  - Multi-tenancy w/ ES
    - Data is accessible by all tenants, with RBAC
- Promscale (Ramon Guiu)

## 2022-06-16

- Jonah to demo multi-tenancy in Logz.io
- <https://github.com/open-telemetry/opentelemetry-collector-contrib/issues/9018>
  - Spanmetrics processor locks up possibly due to high cardinality

## 2022-05-19

- ☐ Jaeger Session - Kubecon EU (will add youtube link soon) here is the deck: [Jaeger Kubecon EU 2022 - Upload](#)
  - Highlighted new features over the past 6-12 months
    - Metrics/Monitoring tab
  - Roadmap
    - Opentelemetry/overlaps with Jaeger
    - Operator
    - Otel Collector distribution vs. Jaeger collector
- ☐ Ed Snible - working on Jaeger multi tenancy
  - Header propagates from GRPC ingestion to storage layer and is injected into the elastic query
  - OTEL collector does not have tenancy support. But the collector will likely pass a tenancy (generic) header

## 2022-04-21

- What should the Jaeger roadmap look like?
  - Updates to dependency graph UI (Jonah)
  - Discussion: DAG calculation in Otel Collector (Jonah)
    - [New component: Service graphs processor · Issue #9232 · open-telemetry/open telemetry-collector-contrib \(github.com\)](#)
    - Setting up Spark job of Kafka streams is complicated
    - Doing in OTEL Collector requires sharding by trace-id
  - Receive OTLP natively
- [Jaeger Project Updates - KubeCon EU 2022](#)

## 2022-03-17

- (Jonah) ATM update
  - Still fixing small bugs
  - Hearing good feedback both from customers and oss users, including in OTEL collector
  - [Tempo Metrics Generator Design Doc](#)
  - Adding screenshots to the doc: [Monitoring Jaeger — Jaeger documentation \(jaegertracing.io\)](#)
  - ATM blog post for Jaeger blog

## 2022-03-03

- How to organize end-to-end documentation for new features
- Ed: how to fix grpc reflection

## 2022-02-03

<https://github.com/jaegertracing/jaeger-ui/issues/874>

## 2022-01-20

- (Yuri) Jaeger v2 - what are the goals / trade-offs?
  - Accepting OTLP by Implementing OTEL GRPC Only
    - Costs
      - Have to fork jaeger <-> otel proto conversion
      - Always will pay an otel -> jaeger cost
    - Benefits
      - Easier to implement
  - Migrate to OTLP semantics (attributes vs tags)
    - Update UI?
    - Docs
    - Internal code updates to match OTEL naming
    - Schema changes? Largest cost
  - Rebuilding on top of OTEL collector architecture
    - Benefits
      - Replace a bunch of internal code with OTEL (e.g. Kafka receiver)?
      - Reusing OTEL collector features?
      - Deployment model alignment
      - OAuth
    - Costs:
      - Performance penalty for model translations if we don't reimplement storage layers
      - Deployment infra changes (help, operator)
      - We'd probably lose some existing features like data loss reporting

## 2022-01-06

- (Pavol): Is anybody interested in working on Jaeger v2 (rebase on top of OTELcol)

- <https://github.com/jaegertracing/jaeger/issues/2837>
- (Jonah): Maybe stupid question.... Is there a way we can implement the Spark component as a processor in OpenTelemetry Collector to simplify things?
- Adaptive sampling discussion - [dynatrace-research/opentelemetry-sampling-poc: Proofs of Concept for Trace Sampling in OpenTelemetry \(github.com\)](#)

## 2021-11-11

Regrets: Juraci Paixão Kröhling

- (Yuri) Status: Jaeger clients deprecation notices are up in the docs and all client repos
- (Ed Snible) Demo of a Jupyter notebook UI alternative for Jaeger
  - [Recording](#)

## 2021-10-28

- (Yuri) Jaeger clients deprecation status, next steps, time frames
  - NB: Ted told me that OT shims exist in practically all Jaeger-supported languages (except C++).
  - Decision: make announcement now, accept PRs until December
- UI cleanup
  - Doing PR reviews
  - Questions:
    - continuing to review open issues in the ui repo...
    - [Archive Button on Trace should indicate if already archived · Issue #369 · jaegertracing/jaeger-ui](#) Is there any interest in creating this on the query service to enable this feature? I don't see a lot of open issues or history on the archive feature (I was not even aware of it).
    - [Extracting parts of TracePage into separate package. · Issue #507 · jaegertracing/jaeger-ui \(github.com\)](#) > Since Grafana did not go this route, should we clean up all the open and linked PRs to this one. I do not know if creating embeddable Jaeger components is a goal of the project. There are also other open issues about embedding Jaeger into other tools.
      - [\(Extract TracePage components \[Subtask\] · Issue #508 · jaegertracing/jaeger-ui \(github.com\)\)](#),
      - [Make TracePage components themeable \[Subtask\] · Issue #509 · jaegertracing/jaeger-ui \(github.com\)](#),
      - [Add possibility to inject custom behaviour into TracePage \[Subtask\] · Issue #510 · jaegertracing/jaeger-ui \(github.com\)](#)
- (Yuri) Testing on other architectures ([Include testing of Linux/ARM64 Docker Images · Issue #3332](#))

- I suggest we say No to this and similar tickets. We do not have sufficient CI infra quotas to keep running all tests on all possible architectures. We build binaries for many architectures already, but we only test on Linux/amd64.
- Had a discussion on eBPF and possibilities for traceid interception
- Other Kubecon updates and sharing observations

## 2021-10-14

- Deprecation of SDKs
  - Set retire date as end of Oct for all languages
  - Juraci to try to write migration guide for Java
  - Yuri to add OT bridge requirement to OTEL matrix
    - There is one for Java, and Node.js
    - There may be one for Go
    - There seems one for Python
  - Jaeger remote sampler
    - Constant was merged into spec
    - Add to the matrix too
- State of UI
  - Logz.io is looking to take more active maintainer role
- Helm charts repository
  - There is activity in the repo
  - Questions on slack are often not answered

## 2021-09-30

- Yuri can't make it
  - Kubecon is ready to go
  - [joe.elliott@grafana.com](mailto:joe.elliott@grafana.com) will release 1.27
- <https://github.com/jaegertracing/jaeger/blob/master/RELEASE.md>

## 2021-09-02

- Release this weekend
  - Ideally include Adaptive Sampling PR
- Go client to modules
  - PR looks good
  - An opportunity to clean up a lot of accumulated "TODO (breaking change)"s



## 2021-08-19

- [Adaptive Sampling PR](#)
- ATM demo
  - [https://miro.medium.com/max/2904/1\\*s709wzHJoYXN7NoPAoL1ag.png](https://miro.medium.com/max/2904/1*s709wzHJoYXN7NoPAoL1ag.png) - idea for the heatmap view
  - Fix the headers on ATM view to make more sense for the data
  - Another option is using this type of display: [Cubism.js \(square.github.io\)](#)
- Need to make some changes on the current views
  - Add percentile for first graph (P95) or look at a different display potentially
  - Others should not be average, but instead based on the rate they are showing

## 2021-08-05

- KubeCon talk accepted for the maintainer's track
  - Jonah to sync with Joe
- OpenSearch image changes, they may make it secure by default

## 2021-07-22

Yuri: I can't make the call today.

- Kubecon NA talk?
- Boston University PEACLab and Tufts University D.O.C.C. Lab research groups have prepared a short 20 minute presentation on the work in progress implementing a variance driven automated instrumentation framework ([Pythia](#) SOCC'19 paper) to work with Jaeger. As a proof of concept, we added a feature to enable/disable tracepoints in the Python Jaeger client, while retaining relationships between spans. Since making modifications to Jaeger clients is not really scalable, we would like to discuss a method to propagate which traces to enable/disable, in a similar fashion to how the Jaeger agent propagates sampling strategies to clients. These features will take into account future compatibility with OpenTelemetry.
- Joe PTO - 2 weeks

## 2021-07-08

- No one showed up (there was a clash with OTEL Sampling SIG first meeting).
- Jonah talked with Ed on sample data and extending traces through Istio.

- Jonah suggested that ed look at autoinstrumentation for python and go.
- Jonah Showed logz.io and how we demo Jaeger and the data in our demos.

## 2021-06-24

- [Yuri] [OpenTelemetry incubation public comment period](#) started. Part of the plans is [sunsetting/archiving the OpenTracing project](#), which puts us in an odd position since most Jaeger docs recommend using OpenTracing. And we cannot simply replace this recommendation with OTEL because OTEL SDKs do not support Jaeger's remote samplers.
  - [jpkroehling] We can make official what we already say in the community: use OpenTelemetry for most of the green field development, but use Jaeger+OpenTracing if remote sampling is desired.
  - [Yuri] That approach is hard to recommend, if a company is investing in tracing instrumentation it's unlikely they would want to go with deprecated API, even if it's supported by OTEL
  - [Pavol] We could migrate/implement our remote sampler as OTEL sampler, but depending on the language it may not be straightforward to enable such sampler when people use auto-instrumentation
- [Jonah] Kubecon plans for Jaeger project, anyone attending? Is there a booth planned? I heard about an Otel event, but doesn't seem to have come together. Has anyone else heard of this?
  - [jpkroehling] Who would volunteer for the maintainer track? Intro+deep dive. We have to apply by July 6. Interesting that they seem to have changed the submission rules this time:
    - *In order to submit a session to the Maintainer Track, you must lead a CNCF [Graduated/Incubating Project](#), a CNCF [TAG \(formerly known as SIG\)](#) or [Working Group](#), or a [Kubernetes SIG](#), [Working Group](#), [User Group](#), or [Subproject](#). Speakers are not required to be leads or have maintainer status.*
- [Joe] [Adaptive Sampling PR](#)
- [Pavol]: <https://github.com/jaegertracing/jaeger-idl/pull/76>

## 2021-06-10

- [Pavol]: Jaeger query API <https://github.com/jaegertracing/jaeger/issues/169>
  - Goal: Establish supported query API with schema
    - The API will be used by other projects (e.g. Kiali, OpenShift)
  - Initially the API will offer the same capabilities as the current query API, however the API will serve OTLP Trace JSON format.
  - In the long term the UI should be migrated to this new API.

- ~~— GraphQL vs REST. The former is more flexible (allows loading partial data e.g. search screen), however it requires multiple queries when switching screens (trace search → deep dependency diagram → trace detail)~~
- [Joe]: Adaptive sampling?
  - Missing files?
  - Elastic/OpenSearch support
  - [jonah] how will it work with OTEL SDKs
    - Jaeger samplers need to be migrated to OTEL SDKs
    - Jaeger implements these samplers in most supported languages already
  - [yuri] One issue with the current solution is it hardcodes service+operation dimensions. There have been other use cases that would benefit from more flexible multi-dimensional model. It does not affect the core adaptive sampling that much, just using more complex keys for calculations of different signals.
- [Mykhailo Semenchenko]: Demo current work in progress of the [Monitor tab](#) and request for early feedback.

## 2021-05-27

[Zoom recording](#) -- [Zoom audio only](#)

Attendees: jpkroehling, jkwall, Rajiv (AWS), Jeff Wright (AWS), Pavol, Yuri, rkukura, Joe Elliott

Agenda:

- [Jonah and Amazon folks] OpenDistro for Elasticsearch / OpenSearch PM and engineering team to present on plugins for trace analysis, anomaly detection and alerting.
  - <https://opendistro.github.io/for-elasticsearch-docs/docs/ppl/>
  - <http://www.yangdb.org/>

## 2021-05-20

Attendees: albertteoh,

Agenda:

## 2021-05-13

Attendees: Jonah, Joe, Yuri, Prithvi, Bob, Ruben

Agenda:

- Nonuniformity in probabilistic sampler ([#582](#))

- Prithvi to run a benchmark for using (1) extra random number, and (2) an extra hash function
- OTLP or OpenMetrics for Jaeger metrics service ([#2988](#))
  - [Joe] OTLP is expected to be OpenMetrics compatible by end of year
  - [done] Yuri to [comment on the PR](#)
- Add OTLP grpc compatible service to collector?
  - Concerns about vendoring issues with the translation layer
  - [done] Yuri to open a ticket in OTEL Collector to suggest a shared library: <https://github.com/open-telemetry/opentelemetry-collector/issues/3168>

## 2021-05-06

Attendees: albertteoh,

Agenda:

## 2021-04-29

Attendees: jpkroehling,

Agenda:

- YAAAAS - [Adaptive Sampling attempt](#)
  - WIP
- [Jaeger client go release for http client addition](#)
- Remaining Travis migrations: <https://github.com/jaegertracing/jaeger/issues/2691>
  - Go is still on the list, so is Java
- KubeCon -
  - Joe's and Prithvi's session: <https://sched.co/iE7b> 6:25AM EDT
- Roadmap
  - Query API using OpenAPI or GraphQL
- v2
  - Wait for otelcol to become GA, remove current v2 code as it's at risk of getting broken (no CI)
- 

## 2021-04-22 (Roadmap Meeting 60 Minutes at 11am EST)

Attendees: jpkroehling (joining late), rkukura, jkowall

Zoom for this session: <https://us02web.zoom.us/j/87101288831>

Link for recording:

<https://drive.google.com/file/d/1OL1QVPn--auG7CqschlOiEJJhJR6gtQS/view?usp=sharing>

Agenda:

- Anyone is interested in #bugbash hackathon at Kubecon? From CNCF email:
  - If your project is interested in participating, or at least learning more, fill out this form and we will contact you to share more information and get your project ready for the bash: <https://forms.gle/TV35i8JecvRTCTgu7>
  - If you have any questions, feel free to reach out to all of us on the CNCF Slack in the [#bugbash](#) channel
- Update the [Jaeger – Roadmap \(jaegertracing.io\)](#)
- Notes and topics in open doc: [https://docs.google.com/document/d/1BxQQk2FGL-HRna\\_p7pKO44py1nIrwCpPst\\_cbO7rYw/edit?usp=sharing](https://docs.google.com/document/d/1BxQQk2FGL-HRna_p7pKO44py1nIrwCpPst_cbO7rYw/edit?usp=sharing)

## 2021-04-22 (regular meeting in the APAC time)

Attendees: yoav, albertteoh

Agenda:

- Discussed Metrics Query scalability and use cases.

## 2021-04-15

Attendees: Jonah Kowall (logz.io), Meenal, Joe, Yuri

Agenda:

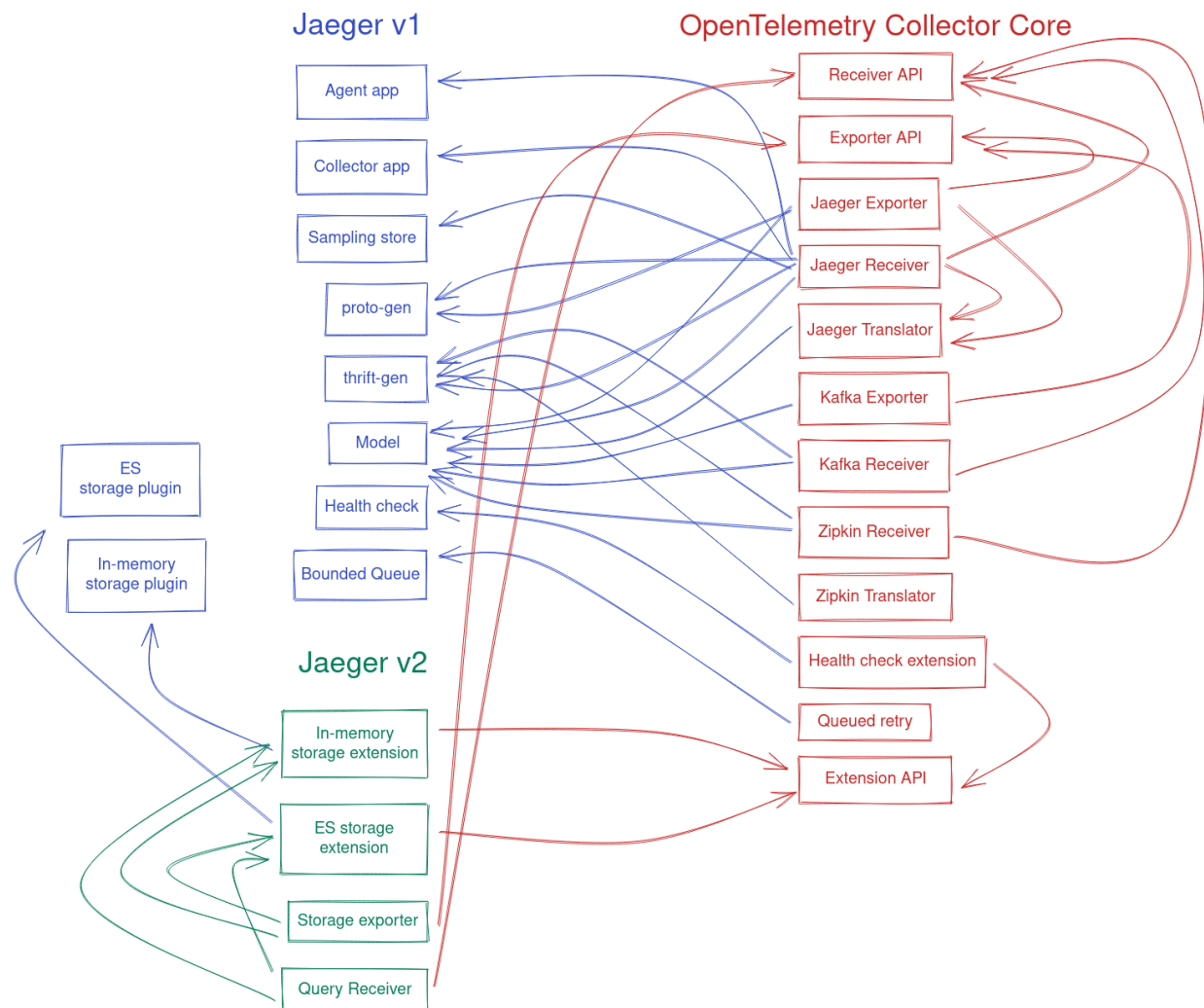
- meenal06 to present Cypress as an alternative for UI tests. ([#708](#))
  - jpkroehling: Please, record this one, as Red Hat folks are unable to join today.
    - Recording: [https://zoom.us/rec/share/VyVupqI3UMBLr0hQPD5IEyv\\_DXwHvV83wPMOpGbTEwZQveNzKehOuwlYwJKR\\_N6u.Rp9O59jvorpV60j](https://zoom.us/rec/share/VyVupqI3UMBLr0hQPD5IEyv_DXwHvV83wPMOpGbTEwZQveNzKehOuwlYwJKR_N6u.Rp9O59jvorpV60j)
- jkwall: Updating roadmap page: [Jaeger – Roadmap \(jaegertracing.io\)](#) Seems outdated and could be reorganized. I am happy to take a crack as some edits. Similarly we have a lot of dated issues in Github which can be cleaned up, offering my help!
  - jpkroehling - your timing is perfect! We (Red Hat) are talking about our own roadmap right now, and there are some things that we might want to propose for the future as well. How about we do an ad-hoc call to talk about this? Next week, same time as this here?

2021-04-08

Attendees: jpkroehling, albertteoh, zoltan bedi

Agenda:

- Jaeger v2 priorities
  - jpkroehling asked how critical v2 is seen by the community
    - v2 requires a lot of work, and other fronts (otelcol, otel-operator) also need engineering time
  - Current state: with v2 as a separate module, this is how the dep graph would look like (no circular dependency)



- With the v2 as part of the same module as v1, we have circular dependencies that we need to break. There are talks already in the otel-collector SIG in moving

components like the jaeger/kafka/zipkin receivers and exporters to contrib, but other things will need to either move, or be forked (bounded queue, health check)

- In the temp Slack channel where we are discussing the split of Jaeger components, Yuri mentioned that it would be his preference to have Jaeger receivers/exporters as part of otelcol-contrib instead of Jaeger, so a simple move from core to contrib would be needed. Is that idea shared by other maintainers as well?

## 2021-04-01

Attendees:

Agenda:

- ~~[prithvi] Discuss float64 support for gauges~~
  - ~~<https://github.com/jaegertracing/jaeger-lib/issues/88>~~
- [albertteoh] (I'll be absent from the meeting) Continue [documentation discussion](#):
  - What should be the use case/role of our README vs. jaegertracing.io? A demuxer like [k8s'](#) or [Envoy's](#) READMEs providing link redirects to documentation for specific use cases?
    - A proposed first step: Move overlapping content between README and docs (e.g. intro & features) from README into jaegertracing.io.
  - Where should “compatibility guarantees” documentation eventually reside: README or jaegertracing.io?

## 2021-03-25

Attendees: albertteoh

Agenda:

- [albertteoh] Lightning talk proposal submitted:
  - **Timeslot:** 13:00 (1pm) CEST / 23:00 (11pm) AEST.
  - **Title:** Using trace data for monitoring & alerting of application health, not just debugging.
  - **Abstract:** Trace data is ideal for debugging slow or erroneous requests, but how can we find (and be alerted about) these problem “needles” in our “haystack” of requests within our constellation of services and endpoints?

A proposal of aggregating trace data into metrics is presented; identifying statistically significant problems such as a consistently slow endpoint, then visualizing these results within Jaeger UI or Grafana.

- [albertteoh] Update on Metrics Query work:
  - Aim to complete POC by end of week.

- Have added [example API calls and responses](#) into the original proposal doc. Would appreciate feedback before I start submitting PRs, which I aim to do next week.
- Call/request counts and error counts are “done” in the POC. Latency is currently a WIP.

## 2021-03-18

Attendees: jpkroehling, jkowall, jelliott

### Agenda:

- [jpkroehling] Pavel Kositsyn has built some interesting features on top of OpenTelemetry Collector and adapted the UI to show, among other things, the critical path of a trace. He'll demonstrate what they built during this call.
- [jpkroehling] v2 directory consuming v1 code
  - <https://github.com/jaegertracing/jaeger/issues/2883>
  - Decisions:
    - jpkroehling to model the dependencies between the repositories/modules
    - Preferably, we are having one single module, no v2
    - If a new module is needed for some reason, we can reconsider having jaeger-otelcol to hold the OpenTelemetry-specific code (exporters, receivers, ...)
- 

## 2021-03-11

Attendees: albertteoh

### Agenda:

- [albertteoh] Should we bump major version numbers on breaking flag changes?
  - jpkroehling - No, it should be possible to deprecate them two minor versions before actually removing them as we've been doing already. Any concerns with this approach?
  - albertteoh - Reason for bringing it up is from this comment in Gitter:

Kasper Toft Andersen@softwareMar 07 05:33

Normally you don't do breaking stuff in minor versions

I think this is a fair point, given the [semantic versioning guidelines](#) state:



*Before you completely remove the functionality in a **new major release** there should be at least one minor release that contains the deprecation so that users can smoothly transition to the new API.*

Is it common practice to treat config flags differently to APIs with respect to semantic versioning?

## 2021-03-04

Attendees: kearls, jpkroehling, joe-elliott, yurishkuro~~~, rkukura

Agenda:

- Are we doing KubeCon Pavilion and Lightning Talk?
  - Operator
  - Overview of the metrics recording in collector

**Lightning Talks:** As a graduated project, you also receive the option to have a 10-minute Lightning Talk that will take place Tuesday, May 4. The talk will be pre-recorded and hosted on the [Meeting Play Virtual Platform](#). Please send the below info to [kmatischeno@linuxfoundation.org](mailto:kmatischeno@linuxfoundation.org) or complete [this form](#) by **Tuesday, March 16**

- Project Name
- Speaker Name
- Speaker Email Address
- Session Title
- Session Abstract
- gRPC upgrade: hashicorp plugin not behaving

## 2021-02-25

Attendees: kearls, Dotan, Albert

Agenda:

- [jpkroehling] Move to Slack
  - Sorry for bringing this topic again, but OpenTelemetry is moving to CNCF's Slack instance, making Jaeger (my) only community still in Gitter.
  - I use Slack for other purposes as well, and I have to admit that it's way more advanced than Gitter.
  - We could use other alternative open-source solutions, but I haven't used any and I'm not ready to recommend them.
  - No objections from those on the call:

- Is the “[unofficial](#)” [#jaeger](#) channel the one we want to move to and make official?
- Jaeger v2 status update
  - Kevin:
    -
  - Juca:
    - PoC for storage mechanisms as extensions still under development
- Dotan’s [post on storage in Jaeger](#). Feedback welcome!
- [dotan] should we communicate with the community about our position on Elasticsearch, and finding an alternative?
  - There have been a couple of proposals in Github discussions like [Apache Solr](#) and [Clickhouse](#).
  - Possibility of using the open source fork of Elasticsearch led by Amazon.
- [albertteoh] [Metrics Query Endpoint](#):
  - Okay to proceed or are there outstanding questions or concerns that need addressing?
- [albertteoh] Jaeger release frequency:
  - My team are releasing docker images off “latest” (changing the tag to commit hash), because we cannot wait for the next release (~3 months for last release).
  - Should we re-evaluate the release frequency to address this problem?
- [albertteoh] Outreachy mentoring/co-mentoring: time commitment, expectations of the mentor.
- [albertteoh] Would it be helpful to move this meeting time 2 hours later (I have daily “standups” 1 hour later) to accommodate more folks? I really don’t mind as I usually work up until 11pm Sydney time to overlap with Israel.

## 2021-02-18

Attendees: JP, Kevin, Joe, Prithvi, Jonah, Yuri, Dotan, Bob Kukura

Agenda:

- [Joe] gRPC upgrade
  - [JP] Need to confirm that gRPC clients will not break
  - [Yuri] There is no change in the wire format, only in generated Go code
  - [Joe] will run some benchmarks | [Jonah] can do some real world tests and determine GC and other impact
- [JP] Thrift upgrade
  - 0.14 has breaking changes, and requires OTEL side upgrades
  - Decision: use Jaeger-private fork of 0.13 with bug fixes
- [Yuri] What is the role of Jaeger Agent in Jaeger 2 and the adoption of OTel collector?
  - [JP] May still want to keep the agent
    - People who only use tracing

- In case we have some custom functions (like client metrics)
  - Smaller size
- Extensions on otelcol are single-instance
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## 2021-02-11

- Attendees: Albert, Kevin, Dotan
- OTEL code in main Jaeger Repo
- What is the status of the Metrics proposal
- What is the role of Jaeger Agent in Jaeger 2 and the adoption of OTel collector?

## 2021-02-05

- Attendees: Jonah, Juraci, Prithvi, Joe, Ruben, Kevin, Yuri, Arie
- New meeting times
  - Thursdays
    - Slot 1: 11am New York bi-weekly / 5pm Berlin / 3am Sydney
    - Slot 2: 2am New York bi-weekly / 8am Berlin / 6pm Sydney
- OTEL code in main Jaeger repo?
  - <https://github.com/jaegertracing/jaeger/discussions/2779>
  - Blockers: need to test out UI as an extension
  - <https://github.com/jaegertracing/jaeger-otelcol/>
  - <https://medium.com/opentelemetry/building-your-own-opentelemetry-collector-distribution-42337e994b63>

## 2021-02-01 Jaeger workshop

Feb 1st 11:30am ET - 1:30pm ET

Using the same zoom as above

Recording:

[https://zoom.us/rec/share/1\\_4k2BSfZqmVAz7-fdWH7RFYnbA6aN6P\\_tUAoG3Mm\\_NNDz-r\\_EmlNncv0TqDokfd.9qinHnIFtLUJxINl](https://zoom.us/rec/share/1_4k2BSfZqmVAz7-fdWH7RFYnbA6aN6P_tUAoG3Mm_NNDz-r_EmlNncv0TqDokfd.9qinHnIFtLUJxINl)

### Agenda:

1. Future roadmap and concepts for Jaeger and updates on [Jaeger – Roadmap \(jaegertracing.io\)](#)
  - a. What are the boundaries? We are a small team, we have to prioritize

- i. Alerting
    - ii.
  - b. Metrics
    - i. *Result: for v2, we are having a generic metrics query*
    - ii. do we want to aggregate data based on what we have; or
    - iii. do we want to offload that into a metrics backend and try to work with a better integration with the two worlds?
  - c. Anomaly detection is better left out of core Jaeger
    - i. *Result: we might have custom distributions, with those bits. One “core” distribution would be similar to the core we have today*
  - d. Querying data:
    - i. *Result: not having a query language for v2, not opinionated on a storage for v2*
    - ii. Kibana can do a lot of things already
    - iii. For some things, too slow, therefore Metrics might be helpful for other questions
    - iv.
- 2. New UI changes for Jaeger v2
- 3. What is in scope for V2
  - a. Different backend, different options & configuration
  - b. Same UI, fully compatible with existing SDKs
  - c. No need to gate new features on 2.0, release them when ready
- 4. Aggregated trace metric inclusion and operational use cases versus debugging

## 2021-01-22

### Agenda:

- (Jonah/Albert/Arie) Jaeger 2 planning
  - Impact of Opentelemetry plans/delays and timing for release
    - We'll continue working on it, but won't release v2 before their v1
  - New UI or updates for Jaeger v2
- (Jonah/Albert) MetricQuery Service design document [Jaeger MetricQuery Service Proposal - Google Docs](#)
- (Yuri) Storage backends ([issues/638](#))
  - [ElasticSearch is changing the license](#)
  - (JPK) We've been playing with other storage backends for some time, trying to come up with something nice before proposing a solution to the Jaeger community. Given the circumstances, I'll share (earlier) what we have so far.
    - <https://www.influxdata.com/blog/announcing-influxdb-iox/>
    -
- Alternate timezones?
  - Yes, alternate between 2 timezones, 12h between them

- Move meeting to Thursdays?
  - yes
- (Joe) Status of OTelCol tail based sampling processor?
  - People are using it already (loadbalancer exporter?)

## 2021-01-08

### Agenda:

- Need volunteers for Maintainer Track Sessions at KubeCon + CloudNativeCon Europe 2021 Virtual
  - Deadline is Feb 7
  - Up to 4 speakers
  - A single 35-min session, pre-recorded, with live Q&A
  - Juraci, Prithvi, and Joe will do that talk and coordinate amongst themselves
- (Yuri) Enable stale bot for PRs ([issues/2717](https://github.com/jaegertracing/jaeger/issues/2717))
  - Currently the bot only kicks in if there's a `needs-info` label. Why do we need the label? If the PR author is MIA, I don't see much value in keeping the PR open, it makes the project look bad as if we're not reviewing PRs.

### Did not discuss:

- Jaeger 2 planning (Jonah, if I can make it, might not have internet, if not will address in next meeting)
  - Impact of Opentelemetry plans/delays
  - New UI or updates for Jaeger v2
  - Timing for release
- MetricQuery Service (Jonah, if I can make it, might not have internet, if not will address in next meeting), public doc is coming before the meeting (WIP)

## 2020-12-25 - No meeting

## 2020-12-11

### Agenda:

- Do we want to enable Discussions on GitHub? They are like Stackoverflow.
  - And change the issue template for Question to go to Discussions
  - Example: <https://github.com/vercel/vercel/discussions>
  - JPK - need to figure out if it can be enabled at org level, or if it's per repo. In any case, there are no objections.
- [gbrown] [pkg/queue dependency](https://github.com/jaegertracing/jaeger/pkgs/container/queue-dependency) from OpenTelemetry Collector (exporterhelper/queued\_retry.go)

- JPK - they depend on bounded queue, health check, protobuf, thrift-gen. As long as we keep them for v1, it's not a big deal, but for v2, we need to be careful on what we expose
- [gbrown] [One executable vs one per role](#)
  - One executable, no default config, user provides explicit config
    - JPK - one binary per component seems to be the final goal. If it's easier to get started with an all-in-one, then we'll start with that.
    - JPK - default config is something that otelcol is also interested in having/implementing.
    - JPK - Query service as extension:
      - One idea would be to have a handler in a module, and an extension that consumes that module.
      - The main reason to have an extension for it is to be able to easily build an all-in-one binary
      - Same for the UI
  - Executable per role (agent, collector, ingester) with default config, user customizes by overriding config and/or using "--set"
    - <https://github.com/open-telemetry/opentelemetry-collector/issues/1995>
- [rvargasp] Proposal for a trace view to collapse spans based on different criteria  
[https://docs.google.com/document/d/1fLJQBO0go-T6oQ3gPwNdwZG-kdI4E\\_xvhOgs5y5qLcg/edit?usp=sharing](https://docs.google.com/document/d/1fLJQBO0go-T6oQ3gPwNdwZG-kdI4E_xvhOgs5y5qLcg/edit?usp=sharing)

## 2020-11-27

Agenda:

- <https://github.com/open-telemetry/opentelemetry-collector/pull/2162>
  - jpkroehling will take a look next week
- <https://github.com/jaegertracing/jaeger/pull/2611>
  - To discuss in two weeks:
    - Do we want multi arch builds as part of the CI, or only during the release process? On one hand, our CI build time is already high. On the other hand, not sure we want to release binaries that we are not actually testing (although, I think we are doing that already?)
    - If we want to change the release process, should we think about moving to something like goreleaser? Feedback has been good from different people (jpkroehling and Joe)

## 2020-11-13

Agenda:

- Jaeger v2 PoC
  - Before the last call, I was able to build an agent binary with no effort using the existing receivers/exporters
  - What's blocking us from starting a PoC? If nothing: any takers?
    - AI: jpkroehling to setup a repo jaeger-otelcol and initial bootstrap
    - Reference: <https://github.com/observatorium/observatorium-otelcol>
    - Need to figure out the circular dependency between the otelcol and jaeger receivers
      - One option is put common pkgs (used by otel jaeger receivers) into jaeger-lib for use by otel-collector
      - jaeger repo then uses otel-collector-builder to build binaries based on manifests, with additional jaeger specific components/extensions being also part of this repo and referenced from the manifests
- [OTel Metrics service](#) revisited - support in the v2 agent?
  - jpkroehling - We should direct people to use the otelcol as agent if they want metrics
    - The problem with us shipping a binary that contains metrics/logs is that it gives people the impression that we'd support/answer questions/fix bugs on that path
  - jpkroehling - We should also add integration tests, to make sure that otelcol can be used as agent
  - Other option is use openmetrics/prometheus in the SDK, so scraped rather than exporter via OTLP
    - jpkroehling - I believe this is how it's currently done in the main collector: opencensus is used for the instrumentation and an openmetrics-compatible endpoint is available via /metrics

## 2020-10-30

Agenda:

- Jaeger OpenTelemetry Collector
  - [Jaeger/OTel Integration](#)
- Tempo
  -

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## 2020-10-16

Agenda:

## 2020-10-02

### Agenda:

- Project updates for KubeCon keynotes
  - Jaeger V2 coming, fully based on OpenTelemetry collector infrastructure
  - AI: Yuri to find the list from EU KC
    - Jaeger is turning 5ys in Aug.
    - Several Jaeger backend components recreated on top of OpenTelemetry Collector.
    - Storage implementations are transitioning to OpenTelemetry data model.
    - Recently released Grafana 7 directly integrates with Jaeger to view metrics, logs, and traces in a single dashboarding tool.
- KubeCon logistics
  - Do we still want to do a conf? OpenTelemetry is doing a [Community Day](#).
  - Deep Dive session announced, speakers Pavol, Annanay, Yuri
  - 15min lightning talk opportunity (up to 2 spkrs, Oct-11 deadline)
    - Joe volunteered
  - Project booth opportunity
    - Email: Based on the feedback received from the recent KC + CNC EU Virtual, there will only be 5 booths available in the Project Pavilion at a first come first serve basis.
    - What was our booth experience at KC EU?
- Bots
  - JPK - I got in touch with the cncf-ci group and there isn't a Prow (k8s-robot) available for us to use at the moment. They have an initiative to expand support for other CNCF projects, but nothing concrete at the moment. I expressed our interest in being onboarded once it gets available.
  - Mergify and dependabot in action at the Jaeger Operator:  
<https://github.com/jaegertracing/jaeger-operator/pull/1219>
    - Mergify seems to have features for both requirements: review by 1+, assign to 1+
  - Nothing (reliable) was found for re-running Travis CI jobs.
    - Travis does have a "travis\_retry" bash command, which I added to a few places. Might need to add to a couple more, depending on the need.
  - [Yuri] I am a bit concerned about merge-on-green if we keep sticky approvals. Nothing prevents a PR author to replace the branch with completely different code, even wiping out the whole repository.
  - AI: Juraci to enable Mergify
    - With strict merge on green (i.e. PR changes must invalidate approval



- With rotation of reviewers
  - Multi-tenancy - [#2509](#)
    -
  - Planning for [Jaeger 2](#)
    - What else should be added?
    - Supporting additional queries? e.g metrics based on tracing data queries
- 

## 2020-09-18

### Agenda:

- (jpk) Gitter improvements
    - Multi-line comments in threads
    - Notifications seem to be working
  - Bots
    - Mergify -- <https://mergify.io/>
      - Automatically assign reviewers based on code path
      - “Merge on green” option
    - Wish list:
      - Add 1+ people as reviewers
        - Mergify can do this: [“#approved-reviews-by>=2”](#)
      - Add ==1 person as “assigned”
    - Alternative: Kubernetes bot
      - AI: figure out what needs to happen if we want to run k8s bot
    - Other bots - “rerun CI”
    - dependabot too?
  - Memory issues in the agent
    - Limited to PHP clients?
    - Can kill the agent by sending bad data
    - Fuzzing might solve this
  - Agent cannot send data only when running as daemon set
    - Most likely related to old grpc version
  - (Jonah) Starting work on building roll-up metrics
- 

## 2020-09-04

### Agenda:

- Release wooes
  - Undetected UI issues
  - Memory leak
    - Maybe related to Thrift + Elastic combination

- [Potential performance regression?](#)
  - Dependency upgrades
    - gRPC headache
      - <https://github.com/open-telemetry/opentelemetry-collector/blob/master/.github/dependabot.yml>
      - <https://github.com/open-telemetry/opentelemetry-collector-contrib/blob/master/.github/dependabot.yml>
      - <https://github.com/open-telemetry/opentelemetry-collector-contrib/pull/952>
      -
    - Dependabot for incrementing versions automatically in a PR
- 

## 2020-08-21

Agenda:

- Congrats to Ruben on [becoming a UI maintainer!](#)
  - Blog posts - <https://github.com/jaegertracing/documentation/issues/428>
    - Another idea: include index of blog posts into website index
  - 1.19 release scope <https://github.com/jaegertracing/jaeger/issues/2398>
    - Try to merge <https://github.com/jaegertracing/jaeger/pull/2387>
    - Target release next week
  - [jpkroehling] Gitter problems
    - Not proposing a change right now, but wanted to check if others are having trouble as well. If so, please give your “+1” to the related issues.
    - We can discuss a change in the future, if the situation doesn’t improve.
    - Blockers (to me):
      - <https://gitlab.com/gitlab-org/gitter/webapp/-/issues/2483>
      - <https://gitlab.com/gitlab-org/gitter/webapp/-/issues/2533>
    - A few other smaller problems bothering me:
      - <https://gitlab.com/gitlab-org/gitter/webapp/-/issues/2541>
      - <https://gitlab.com/gitlab-org/gitter/webapp/-/issues/2340>
      - <https://gitlab.com/gitlab-org/gitter/webapp/-/issues/2338>
- 

## 2020-08-07 (cancelled)

There will be no meeting this week.

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## 2020-07-24

### Agenda

- [Jonah] Moving to OTel collector, custom exporter <https://github.com/logzio/jaeger-logzio>
  - [Pavol] some changes merged in OTel to improve exporter performance. Working on converting ES read path to the official elastic-go client. Also working on Kafka receiver/exporter.
  - [Pavol] Look at issue for converging onto a single binary
- 

## 2020-07-10

### Agenda

- Jaeger 2
  - Wait for OpenTelemetry Collector 1.0?
  - Assuming it has an aggregated collection mechanism (as discussed last meeting), should Jaeger 2 support the concepts of separate Blob and Index storage?
    - May just have impact on span reader API
    - Do we want to support configuration with just blob storage (for example)
    - Auto detection/configuration of UI?
  - Move to badger 2
  - Multi-tenancy
  - Decision: Revisit once the OTel Collector 1.0 release plan is better understood. But multi-tenancy and general project progression would be good reasons to have a 2.0.
- [Trace anonymizer](#)
  - Should this be contributed as an OpenTelemetry Collector processor?
  - Enable users to easily export (possibly after tailbased sampling)
  - Upload to OTel community as samples to aid distributed tracing research
  - Decision: Issue is legal rather than technical - usually requires an NDA between the organizations. However having the technology support this would be good.
- Kafka Streams discussion and sharing (logz.io)

## 2020-06-26

### Agenda

- Uber's [prototype of aggregating collectors](#)
  - Look into OTEL collector instead
    - [WG notes](#)

- Tail-based sampler there needs to be separated into aggregator & sampler
- Exporters do not have notion of a “trace”, only group of spans
- Go client migration to modules
- <https://github.com/jaegertracing/jaeger-idl/commit/23f33f2d162607dd4b2177e7ebcfe78d4f9717bc#diff-1540001a82a880cbd0bef5f41fcd3be1>
  - Probably wouldn't compile without this, but nobody knows now
- 

## 2020-05-29

### Agenda

- Renaming all binaries to \$(binary)-\$(GOOS)-\$(GOARCH)
  - <https://github.com/jaegertracing/jaeger/pull/2176/files>
  - Currently only some arch's get the \$(GOARCH), requiring duplication in the Makefile

## 2020-05-15

### Agenda

- UI performance degradation on large traces. Can we do automated perf testing via CI?
- [pavol]: New set of flags for Jaeger OTEL components  
<https://github.com/jaegertracing/jaeger/issues/2246>

## 2020-05-01

### Agenda

- @jkowall on ML in Jaeger
  - Public document with additional details and ideas:  
<https://docs.google.com/document/d/1VJcYquZSwpZGg5-r7gjr0x9jCyZ9Y3ZfEGJs7bZ7GJs/edit?usp=sharing> would appreciate any comments or ideas
  - CTO of logz.io
  - SaaS with Jaeger as a service
  - Customers feedback: focus on problem identification, and areas for optimization
  - E.g. highlighting the longest spans, parallelizable queries, highlighting traces with time gaps (no coverage), long run times without async spans, spans of the same length (likely retries)
  - (yuri) Also critical path in one trace and across traces
  - Analysis across traces:
    - Common database calls and outliers among them

- Top-k slowest calls/spans
  - Most common error types
  - Trace data for security purposes, e.g. SQL injection
- Gbrown: Do we want to participate in early access to CodeQL in GH Actions?  
<https://github.com/jaegertracing/jaeger/pull/2207>
  - Worth trying out.

## 2020-04-17

### Agenda

- Pavol: OTel Collector status
  - Support for Kafka, ES, Cassandra, all storage flags exposed
  - (almost) Can be used as drop-in replacement for Jaeger collector
    - Flags can be used as default config if OTel config is missing
    - HC/merics ports will be different
    - OTel receiver part does not support flags today, may need support upstream
  - Next:
    - Crossdock tests
    - Flags in OTel collector
- Jonah: [logz.io](https://logz.io) plans
  - Managed Jaeger service SaaS
  - Interested in ML
- RedHat: [log anomaly ML](https://log.anomaly.ml) also <https://opendatahub.io/>

## 2020-04-03

### Agenda

- Gaps in documentation
    - “Currently there is a restriction to view spans for the last 2 days. Is there a way I can change it?” ([comment](#))
    - How to configure schema job in Cassandra
    - API for saving dependencies calculated externally
  - [Pavol]: Publish Jaeger OTEL collector image
    - Publish latest only for now, exclude from Docker semver tagging
    - Don't include in the GH Releases bundle
- 

## 2020-03-20

### Agenda

- [Gary] OTC Metrics update:  
<https://github.com/open-telemetry/opentelemetry-collector/issues/662>

## 2020-03-06

### Agenda

- [Pavol] name for W3C TraceContext propagation format  
<https://github.com/jaegertracing/documentation/pull/380>
  - Decision: “w3c”
- [Pavol] Jaeger codec in OTEL clients  
<https://github.com/open-telemetry/opentelemetry-java/issues/967>
- [Pavol] status for Jaeger OTEL collector
  - Default configuration when OTEL configuration file is missing  
<https://github.com/open-telemetry/opentelemetry-collector/issues/601>
    - E.g. choose exporter based on SPAN\_STORAGE\_TYPE
  - Move to Jaeger main repository <https://github.com/jaegertracing/jaeger/pull/2086>
    - Use go submodule
  - Should we switch to OTel data model?
- jpkroehling - proposal for a new maintainer: [Annanay](#)
  - I believe he fulfills the requirements listed in our [governance doc](#)
  - He has [contributed](#) to a good number of components (operator, backend, analytics)
  - He's also active in our Gitter channel answering questions
  - Working on Jaeger and OpenTelemetry is now his full job!
- Gbrown - what tasks should be in [acceptance criteria](#)
- [Gbrown - metrics](#)

## 2020-02-21

### Agenda

- How do we feel about taking a dependency on <https://github.com/xdg-go/scram>? That repo hasn't changed in 2yrs, a very straightforward (and the only) PR opened 6mo ago had no maintainer feedback. [Kafka connection using SCRAM authentication · Issue #2046 · jaegertracing/jaeger](#)
  - Decision:
    - Accept xgd-go/scram for now
    - Defer decision on Confluent until someone has time to test thoroughly
- [Pavol] Support W3C Trace-Context in Jaeger clients. E.g.  
<https://github.com/jaegertracing/jaeger-client-java/pull/649>
  - There is a tracking ticket with “help wanted”. So far there were no PRs implementing the codecs.

- [Pavol] Release Jaeger 1.17.0,  
<https://github.com/jaegertracing/jaeger/milestones/Release%201.17>
    - Uber team will do the release.
  - [Pavol] Define <https://github.com/jaegertracing/jaeger-opentelemetry-collector> acceptance criteria to be moved into the main repository
    - Circular dependency
    - Configurations as flags
    - all-in-one based on jaeger-otel-collector
      - Unified configuration with jaeger-otel-collector - e.g. jaeger-query supports flags and jaeger-otel-collector conf files
  - [Jun] Span examples for trace quality metrics  
<https://github.com/jaegertracing/jaeger-ui/issues/526>
- 

## 2020-02-07

### Agenda

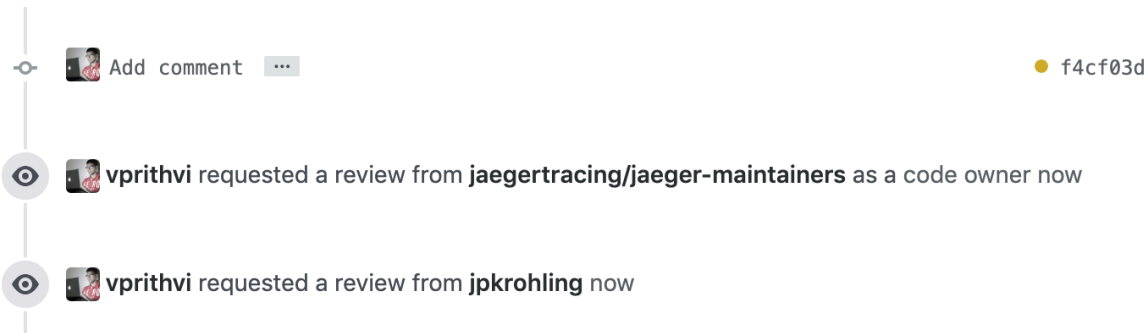
- Annanay
  - Publish Swagger-UI  
Lots of requests to see api-spec (for jaeger-query). We already have auto-generated swagger.json from the proto-files. Just need to serve this with the UI components.
    - Current JSON from query-service is different from proto-generated JSON
    - Proto-generated JSON is not served today by query-service
    - Recommendation is to use gRPC
    - Open question: how strong is the need for “official” JSON?
    - Task: set up query-service endpoint that serves proto-based JSON (e.g. /api/v2)
  - [Docker protobuf](#) repository - integrate with jaeger account on DockerHub
    - Created <https://hub.docker.com/repository/docker/jaegertracing/protobuf/>
    - It supports auto-builds, no need for tokens
- [Jaeger vs OpenTelemetry Agent/Collector competitive analysis](#)
- jpk - Clock skew adjuster discussion ([#1459](#))

## 2020-01-24

### Agenda:

- ys - Discuss roadmap to converge with OpenTelemetry Collector
  - [2019-12 Proposal for scaling tail sampling](#)
  - [Tail-Based Sampling - Scalability Issues · Issue #407](#)
  - <https://github.com/open-telemetry/opentelemetry-proto>

- AI: Red Hat to work on a competitive analysis between OpenTelemetry Collector and Jaeger Collector
  - Annanay interested in helping on that
- jpkroehling - Jaeger 2.0
  - How are the plans so far? Can we have some public docs, so that we can also contribute to it? The doc could include:
    - Why? (Is the current architecture not sufficient?)
    - How? (Draft architecture)
    - When? (Roadmap)
  - I can help create this doc, just need to get up to speed with the current plans
- prithvi - code reviews
  - CODEOWNERS file is updated to have @jaegertracing/jaeger-maintainers
  - Reviews auto-assigned by Github using LB. Currently excluding black-adder and tiffon from auto-assignments.
    - Related: When do maintainers age out? (Do we have a policy about when a maintainer should no longer be a maintainer?)



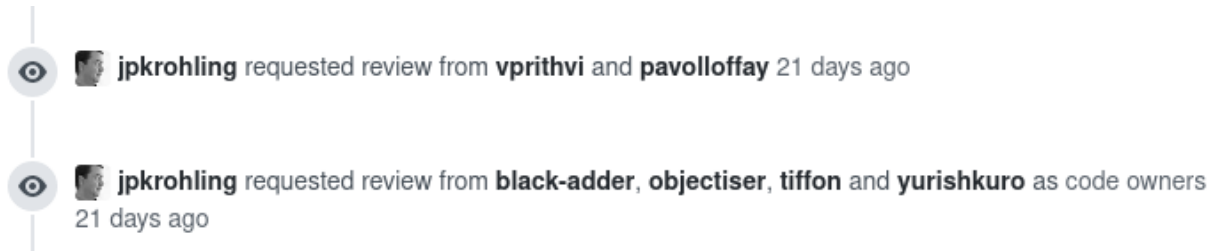
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## 2020-01-10

Agenda:

- jpkroehling - Code reviews -- right now, I can't pre-select people to review my PRs, as CODEOWNERS (?) ends up selecting all code owners. My feeling is that nobody ends up reviewing PRs other than Yuri, and I can't understand how he hasn't got a burn out already :-)
  - What happened to the "Approver" role we discussed a few meetings back?
  - Example: <https://github.com/jaegertracing/jaeger/pull/1985>





- Sarama-cluster <https://github.com/jaegertracing/jaeger/pull/2009>
- Prithvi to give update on aggregating collectors
- Extracting Trace page UI into separate package that can be imported into other apps.  
<https://docs.google.com/document/d/1fRpiNdj3NmxDGpvkW49MII19M5RdPa2GZloDsaz8PxU/edit?usp=sharing>

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## 2019-12-27 (skipped, everyone on PTO)

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## 2019-12-13

Agenda:

- Possibility of Helm chart(s) <https://github.com/jaegertracing/charts>
  - Would potentially host 2 charts
    - Jaeger (<https://github.com/helm/charts/tree/master/incubator/jaeger>)
      - Somewhat equivalent to jaeger-kubernetes
    - Jaeger Operator (<https://github.com/helm/charts/tree/master/stable/jaeger-operator>)
      - Simply deploy k8s manifests required by operator
  - There would be a disclaimer in README similar to <https://github.com/elastic/helm-charts#elastic-stack-kubernetes-helm-chart>
  - GitHub issue: <https://github.com/jaegertracing/jaeger/issues/1976>
- Consider Redis Streams as a swap-in replacement for Kafka as intermediate buffer
  - <https://redis.io/topics/streams-intro>
  - (The suggested way to add new backends is to use the storage plugins)
- Sidecar Injection <https://github.com/jaegertracing/jaeger-operator/issues/171>
  - Are following projects worth looking into?
    - <https://github.com/tumblr/k8s-sidecar-injector>
    - <https://github.com/JoelSpeed/webhook-certificate-generator>
- Deprecate tchannel in 1.16?
  - With aim to remove in 1.17/8?
  - Add warning message if used, to prewarn of removal

- JPK - Follow-up from the previous meeting
    - Proposal to use “[needs-triage](#)” bot to add a label to all new issues
    - Whenever we need info from reporters, add the label “needs-info”
    - When user provides the info, remove “needs-info” label manually
      - This is the main step that might fail: if we just ignore an issue, it will be automatically closed, despite the user providing the required info. But I think we can try it out and see if it’s going to be a real problem.
    - Use the [stale bot](#) to close issues with “need-info” label
    - To apply to jaegertracing/jaeger; jaegertracing/jaeger-operator to begin with
  -
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2019-11-29

No meeting due to US holiday

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2019-11-15

Agenda:

- 1.15
  - Outstanding docs PRs
  - Can go ahead w/ release
- Should we introduce Approver role, to help with code reviews?
  - Let’s do it
- Docs site: should we have “latest” links by default? Now they redirect to versioned links.
  - Don’t change from versioned
- Carryover - open issues maintenance
  - Wishlist label
  - Pavol: good to know status like “waiting on author / waiting on maintainer”?
  - Not great if users cannot remove the label themselves / automatically
  - Envoy seems to have a bot
  - GH Workflow actions might be used instead of bots
  - AI: Juraci to try GH actions
  - AI: Yuri to apply wishlist label
- Move <https://github.com/pavolloffay/jaeger-tracedsl> to jaegertracing org and change the name.
  - jaeger-analytics-java
  - jaeger-analytics -> jaeger-analytics-flink

---

## 2019-11-01



### Agenda:

- Congrats on [graduation](#)
- AI: Do spring cleaning on issues and PRs
  - Yuri will create a s/s
- Release of 1.15: <https://github.com/jaegertracing/jaeger/issues/1877>
  - Wait for Pavol's fix for Elastic 7
- Tag based sampling in Go/Node
- Release rotation among maintainers?
  - Clean up release process documentation
    - UI release
      - What about Plexus release?
    - Backend release
      - Changelog
      - Checking if we have breaking features
    - Docs website release
      - Adding docs for new features
  - Establish rotation
  - Uber to do the next release
- UI components
  - Plexus is a React graph component published from Jaeger repo

---

## 2019-10-18

### Agenda:

- Jaeger graduation status - email voting should be kicked off today
- Multi-parent spans
  - New custom reference type to force root span
  - Detect spans from different traces and start root span
- Unstable build in the main repo  ,  |
  - Consider starting storage before crossdock
  - Consider switching to Elastic

---

## 2019-10-04

### Agenda:

- Jaeger was [presented to CNCF TOC](#) on Oct-2
    - Working on due diligence doc w/ Matt
    - Next: share DD doc w/ TOC and hopefully call for vote
  - Gremlin graph DSL demo
    - Existing trace quality computations:  
<https://github.com/jaegertracing/jaeger-analytics/tree/master/tracequality-job/src/main/java/io/jaegertracing/tracequality/score>
- 

## 2019-09-20

### Agenda:

- Graduation presentation is scheduled for Oct-15 TOC meeting.
  - Weaveworks case study coming out soon
  - Discussion/demo of [dependency graph based on search results](#) [Ruben]
  - ~60 KubeCon submissions involving Jaeger, but none accepted
    - Watch for issues, blog posts, encourage people to submit talk proposals
    - People on the ADOPTERS list
  - Need to create a description of the remaining work to productionalize DDG Flink jobs
- 

## 2019-09-06

### Agenda:

- Span tag based sampling
- Jaeger KubeCon talks
  - We want to encourage people to submit talks to conferences. What should we do?
    - Check submission stats with the CNCF. Did we have only few, low-quality submissions?
- Travis CI
  - What are the alternatives?
  - Is GitHub Actions a viable alternative?

- CircleCI?
  - AppVeyor
  - GitLab
  - Go modules
- 

## 2019-08-23

Agenda:

- (Yuri) Update on graduation
  - Joe to release a new version of UI, before the backend release.
- 

## 2019-08-09

Agenda:

- (Yuri) Update on graduation
- Badger status / usage
  - May become default recommendation for all-in-one deployments
- Juca: it's Outreachy time again!
  - Want to be a mentor? Let me know!
    - <https://www.outreachy.org/communities/cfp/>
    - Project application process started July 25
    - Oct 1 - community contributions start
    - 3 month internship, starts in December, ends beginning of March
    - Selection process in November, candidates do sample projects
    - Estimated effort for mentor - 4hrs / week
  - Current ideas:
    - Performance benchmarks for the client libraries
      - During our last Outreachy participation, we measured the instrumentation libraries, and it would be nice to continue that work by measuring the clients.
    - Instrumentation work
      - With the move from OpenTracing to OpenTelemetry, it would be good to migrate some of the OpenTracing instrumentation libraries to work natively with OpenTelemetry.
    - Data processing/visualization

- Extracting valuable information from tracing data is one area that we need to improve. The scope of the work here would be to build Proof of Concept projects based on a community-based brainstorming.
    - Perhaps ML
  - Juca: we might have another intern working on both Linkerd and Jaeger
    - Intern coming off Linkerd, wants to continue for another cycle (~4m)
    - May work on adding OpenTelemetry to Linkerd
    - Juca is co-mentor / co-supervisor
- 

## 2019-07-26

Agenda:

- Gary: Deep Dependency Graph progress
    - Resource available to help (e.g. using local store based on trace search results)
    - Tasks (for alternate information source in UI - trace search results, and backend support for other storage options - ES) to be documented and referenced from <https://github.com/jaegertracing/jaeger-ui/issues/399>.
  - Juca: Jaeger IDL with Proto definitions [needed](#) for Open Telemetry SDK for Java
    - <https://github.com/jaegertracing/jaeger/issues/1484> (?)
    - <https://github.com/jaegertracing/jaeger/issues/1213>
    - For OpenTelemetry, copy the protobuf definition files first, use git submodules later (if that's how the project wants for the future)
  - [Monitoring mixins](#)
    - Minor changes to the PR, then merge, then [blog post](#)
- 

## 2019-07-12

Agenda:

- Graduation
  - We don't want to support multitude of auth mechanisms
  - Need docs focused on securing components w/ TLS
- CLI docs are now live
- Grafana Labs [case study published](#)
  - Weaveworks case study next

---

## 2019-06-28

### Agenda:

- Gary: Service dependency view based on trace search criteria:  
<https://github.com/jaegertracing/jaeger-ui/issues/399>
  - We could look at this as part of DDG (deep dep graphs) work
- Pavol: ML
  - Jupiter, Zeppelin
  - Graph QL
  - Facebook's DSL:

```
def browser_time_to_display(trace);  
  browser_thread = trace.execution_units[attr.name == 'client']  
  begin = browser_thread.points[0]  
  end = browser_thread.points[attr.marker == 'display_done']  
  return end.timestamp - begin.timestamp
```

Here is an example of a program the Facebook team did provide, which counts the number of expensive (over 10 seconds) database calls in a trace:

```
def count_expensive_db_calls(trace);  
  count = 0  
  for execution_unit in trace.execution_units:  
    if execution_unit.db_duration_ms > 10000:  
      count += 1  
  return count
```

- 
- [Gist](#) of API explorations

---

## 2019-06-14

### Agenda:

- No topics for today, we ended the call early.

---

## 2019-05-31

### Agenda:

- Jacob Marble: using Jaeger grpc-plugin w/ InfluxDB
- Discussion on aggregates & data mining
- Pavol: Documentation PR

- Try html or man-page output, they may be better formatted
- 

## 2019-05-16

### Agenda:

- Discuss security audit results <https://github.com/jaegertracing/security-audits>
    - AI: create a ticket and 3 sub-tickets to address each of the raised issues
  - [pavol] Release automation
    - Automatically generate changelog, keep breaking changes in a separate file with migration steps, <https://github.com/jaegertracing/jaeger-client-java/issues/629>
    - Release by pushing a tag
    - Release in the main repo could trigger release of docs
    - Proposal:
      - Create make target that generates changes to CHANGELOG locally, categorizing issues based on labels on GitHub (can rerun step multiple times to get proper break-down)
      - Add breaking changes / migration instructions manually
      - Open PR
      - When PR merged, do a Github release
    - AI: try tools that generate changelogs
  - [Joe] JEP - Jaeger enhancement proposals
    - Inspired by [k8s KEP](#)
    - Existing Jaeger process: [making-a-change](#)
    - AI: Joe & Jun will present a proposal / findings in 1m
  - [Prithvi] Flink Jobs
    - Repo is not in great state (build, docs, k8s)
    - AI:
      - create a lot of tickets in that repo describing what needs to be done, tag them help\_wanted
      - Add a tracking ticket in the main repo, tag it help\_wanted
- 

## 2019-05-03

### Agenda:

- Discuss [jaeger-client-node#356](#) http sender
- Plans for releasing 1.12
  - Admin ports



- gRPC query service
  - Profiling
  - jpkroehling - [PHP?](#)
    - AI: ask who uses <https://github.com/jukylin/jaeger-php>
- 

## 2019-04-19

Agenda:

- Leroy-Merlin team talk about their use of Jaeger
    - Node.js servers
    - Leaking connection issues, need to merge PR
    - Writing to Kafka directly from clients
- 

## 2019-04-05

Agenda:

- Security Audit Status:
  - Environment setup - although want to change ingress to expose collector
  - Actual audit not starting until CW18
- OpenTracing/OpenCensus merger:
  - Any indication of timeframe?
  - Thoughts on medium and long term impact on Jaeger?
- Newsletter
  - Monthly is probably too much work
  - [Get first-time contributors script](#)
    - <https://github.com/jaegertracing/documentation/issues/237>
  - <https://jaeger.devstats.cncf.io/d/52/new-contributors-table?orgId=1>
  - Maybe automate pulling changelog changes from all repos
    - We could curate afterwards
    - <https://github.com/jaegertracing/documentation/issues/238>
  - Ask CNCF if they can provide automation for external news/sources
    - Booked a ticket [CNCFS-181](#)

## 2019-03-22

### Agenda:

- Jaeger has been added to the CNCF end user feedback session for April 23, 2019
  - [Agenda doc](#)
  - Who wants to attend?
    - jpkroehling – Added to the agenda
  - What do we want to achieve with the session? What signals are we looking for?
  - I've asked the organizers to find out if there are any topics of interest among the community
  - We do not have much information about who (which end users) will actually be attending
- Change the default sampling strategy to type=const, value=1
  - #1 cause of confusion and help requests
  - How about starting a poll in GitHub to gather feedback, in case we can't get a consensus among the maintainers?
    - Prepare a production readiness guide/checklist
  - Change to GuaranteedThroughputSampler instead of constant
- Security Audit Status:
  - Red Hat QE team are starting the setup of Kubernetes + Jaeger (via operator) in packet.com environment
- Joe reached out to Alibaba
- Dependency graph docs - still in progress
- Performance tuning guide:
  - <https://medium.com/jaegertracing/tuning-jaegers-performance-7a60864cf3b1>

## 2019-03-08

### Agenda:

- Dependency processing
  - Current spark job vs go app (@Lookyan discussed on gitter) - go app could run periodically to incrementally update throughout day - possibly allowing a rolling window to be configured
  - Flink vs Kafka streams when using Kafka
    - Pro of Flink - it can work across many streaming platforms, not just Kafka
    - Prithvi is about to open source Flink job source code when back from vacation
- Jaeger operator
  - Ticketmaster not using it yet; ingester wasn't supported

- Container image registry: <https://quay.io/> (disclaimer: this is a Red Hat product)
    - “Automatic Security Scanning”
    - “Quay is teamwork optimized, with powerful access controls”
    - We can use keys for image publishing via travis, instead of our actual passwords
    - Today (and since a couple of days, it seems) every other `docker push` yields a "500 internal server error"...
    - AI: investigate if quay can mirror to Docker Hub, so that we don't break all existing `docker run` commands
  - Jaeger Security Audit Update
    - Kevin Earls has rejoined Red Hat (Jaeger QE team) - he previously had experience of setting up environment on packet.com so will be handling this.
  - Case Studies
    - Ticketmaster PR signed off on the case study
    - Might be some minor tweaks to stats & wording, Yuri to follow up with RD
  - Uber team is working on deep (path-based) dependency graphs
  - UI is being transitioned to TypeScript
    - Graphing is a module “plexus”
    - For other UI views currently we support embedding
    - GitLab, Grafana want React components (some security considerations)
  - AI: Try to reach out to Alibaba
  - AI: Circulate deep deps graph doc(s)
- 

2019-02-22

Agenda:

- (annanay) Define project layout for Protobuf / gRPC / generated files - <https://github.com/jaegertracing/jaeger/issues/904>
  - We are planning to split query-service definitions into `api_v2/query.proto` as part of [#1307](#)
  - Does it make sense to refactor at this point?
    - Let's discuss on the PR
- KubeCon China CFPs
- (jacobmarble) Solicit feedback on InfluxDB storage plugin <https://github.com/jaegertracing/jaeger/issues/272>
  - <https://github.com/hashicorp/go-plugin/tree/master/examples/grpc>
  -

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2019-02-08

Agenda:

- Security audit needs a working environment - Gary to provide an update
  - Project set up on CNCF (packet.net)
  - Security audit people got the invites
  - Will provision server near the end of March
- Extend Gaby Soria's "internship" by 6 months
  - She is doing a good job in building benchmarks for the OT-Java API and is moving now to test the OT-Contrib Servlet and Spring, using:
    - No instrumentation
    - NoopTracer
    - MockTracer
    - Jaeger
    - Haystack
  - As discussed during the last bi-weekly, we still have a lot of questions to answer and bottlenecks to find, especially in the Jaeger Java Client
  - Therefore, I want to build a proposal offering her a 6 months engagement to continue working on this area.
    - The CNCF might help here
    - If we can agree on a proposal, I'll get this through the CNCF and send to her
  - Initial key points for the engagement:
    - Focus on the Jaeger Java Client, measuring the effects of the diverse configuration options in different scenarios:
      - Different transports
      - gRPC vs. Thrift
      - Agent (UDP) vs. Collector (gRPC)
        - With load balancing aspects as well
      - gRPC Streaming vs. req/res
      - Anything else?
- 

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2019-01-25

Agenda:

- Java OT release candidate
  - [OpenConsensus Working Group](#)
  - Security audit needs a working environment
    - Penetration testing
    - SQL injection - we may want Cassandra storage for that
    - Cross-site scripting attacks
    - AI: Gary is looking into CNCF cluster option, follow up next meeting
  - CNCF graduation - Yuri to follow up with Chris
    - Jan 29th: TOC Election Results Posted
    - If Bryan Cantrill is not elected, we will need another TOC sponsor to call the vote
  - Outreachy intern finishing in ~~May~~ March
    - Overhead of Java client
  - Discussed 100% code coverage policy, which is blocking Badger PR
    - Decision: relax 100% requirements for edge cases of error handling
- 

## 2019-01-11

### Agenda:

- Discuss releasing UI via GitHub releases / tags
    - Decision
      - Start doing semver of the UI
      - Add a check to the backend CI to ensure UI cannot be committed to backend/master from ui/masher/HEAD, only from ui/master/tag
      - Start keeping UI changelog by semver, and copy it, possibly for more than one version, into backend changelog
  - Pavol - Demo ES archive index and rollover
    - Q: if use read alias with many indices, how can we tell ES to only search those of them that match the desired time range
    - Q: How to manage `--es.max-span-age` duration The maximum lookback for spans in Elasticsearch (default 72h0m0s) with read alias
  - Upcoming security audit for Jaeger
- 

## 2018-12-14

### Agenda

- [@copa2](#): Showcase [Trace Graph WIP](#)

---

## 2018-11-30

### Agenda

- Use branches in the main repo only when multiple people are collaborating or for maintenance releases <https://github.com/jaegertracing/jaeger/branches>
  - AI (Pavol) document the policy of not pushing branches to upstream except for release branches
- Plan for [local storage plugin](#) (Badger)? Better default than in-memory for Istio?
  - Issues:
    - Need maintainers to fully understand the Badger internal details & implementation
    - Need to understand how well it works as a replacement for in-memory, e.g. building dependencies on the fly
- Crossdock docker-compose files
  - Continue using the main docker-compose.yml in order to test it
  - Either override to use tchannel via YAML merge, or fix gRPC retries below
- gRPC retries
  - Do we want agents to retry with exponential backoff? - Yes
  - **Need to expose gRPC options via cmd line flags**
  - See config options <https://godoc.org/google.golang.org/grpc>, specifically DialOption.
    - Retry support is currently disabled by default, but will be enabled by default in the future. Until then, it may be enabled by setting the environment variable "GRPC\_GO\_RETRY" to "on". This API is EXPERIMENTAL. (From <https://godoc.org/google.golang.org/grpc>.)
- 1.9 release 2018-12-06 (including gRPC, ES archive traces)
  - Can this include upgrade to jaeger-lib 2? With [#59](#) (namespace change) and [#61](#) (metrics description)?
  - Need an owner for histograms [#62](#)
  - Then upgrade jaeger/master

---

## 2018-11-16

### Agenda

- Outreachy intern
  - Perf tasks, benchmarks

- Dec. 4, 2018 to March 4, 2019
  - Decide on Cassandra search <https://github.com/jaegertracing/jaeger/issues/166>
    - Uber is experimenting with Pinot (columnar store)
  - Status of UI embedded component PR:  
<https://github.com/jaegertracing/jaeger-ui/pull/263>
    - Yuri will ask Joe to review as high priority
  - gRPC streaming - <https://github.com/jaegertracing/jaeger/pull/1183>
    - We don't have much use for the response
      - <https://grpc.io/docs/guides/concepts.html#client-streaming-rpc>
    - Do we need retries?
    - We need to make sure there is load balancing even if we use streaming
      - <https://grpc.io/blog/loadbalancing>
    - We need to test performance of RPC-style vs. stream
  - ES archive index retention - by name or time range -  
<https://github.com/jaegertracing/jaeger/issues/818>
    -
  - Next release scope
- 

## 2018-11-02

### Agenda

- <https://github.com/jaegertracing/jaeger/issues/166>
  - (ys) Review CNCF graduation application [draft](#) (issue #[994](#))
    - AI: Yuri to create a PR to cncf/toc
      - <https://github.com/cncf/toc/pull/171>
    - AI: Yuri to add Weaveworks to Adopters
      - <https://github.com/jaegertracing/jaeger/pull/1161>
  - (jpk) ML/AI "SIG"?
    - <https://opendatahub.io/>
- 

## 2018-10-19


### Agenda

- (ys) Apply for CNCF graduation (issue #[994](#))? TUF & containerd did this week.
  - Prepare a doc, share with few people ([doc](#))
- (pavol) [jaeger/pull/1092](#) - refactor agent configuration
  - Waiting on Isaac tests

- Release 1.7.1 - yes
    - UI fix for time units on search panel
    - Ingester not included in 1.7.0
  - (pavol) continue with gRPC [jaeger/issues/773](#). What is the next step? Rebase [jaeger/pull/903](#)?
    - Yuri to review and merge current PR
    - Open question: IDL for the collector service
  - (pavol) Release process in Java
    - Try scripting the upload to Nexus vs. using gradle plugin
- 

## 2018-10-05

### Agenda

- Documentation update for 1.7 release, what's needed?
  - Trace Diffs, blog 
  - Change release process - we released 1.7 but the docs site says 1.6 is the latest
    - Kafka ingester
    - Something about trace diffs
- Downloads page feedback <https://www.jaegertracing.io/download/>
  - Remove old versions, point to GH Releases page instead
- (Gary - [@objectiser](#)) UI: Performance for large number of traces ([Issue #247](#))
  - Try to solve UI -> query-service API first to minimize the data volume
  - Other improvements possible to avoid loading full traces on the backend
- (Alberto - [@aljesusq](#)) UI: installable by npm as a component library ([Issue #248](#))
  - In progress
- (Gary - [@objectiser](#)) Use stalebot: <https://github.com/apps/stale> to stop issues falling through cracks and automatically clear issues if no activity
  - Stalebot prompts for action
  - Would be nice to have a dashboard
    - Maybe Jira/GitHub integration can help
  - Try better labelling (e.g. Waiting On User)
- (Juca) PHP client: <https://github.com/jaegertracing/jaeger/issues/211>
  - Need a champion to organize discussion & decision making & maintain
  - Maybe follow-up with existing PHP library maintainers about their usage
- (Gary - [@objectiser](#)) Jaeger client [metric name consistency](#)
  - Try to normalize
  - Allow top-level namespace to be configurable, or at least be always consistent (e.g. jaeger\_tracer)
- (ys) Should we support changing log format? [Issue #1103](#).



- Maybe blog post demonstrating how to reformat logs using fluentd / logstash
  - (ys) Java client support for 128bit IDs - needs 2nd review (Juca)
- 

2018-09-21

### Agenda

- Denes Vadasz ([@divdavem](#)) from [Amadeus](#) to share feedback on Jaeger
- 

2018-09-07

### Agenda

- Add to next newsletter:  
<https://medium.com/@masroor.hasan/tracing-infrastructure-with-jaeger-on-kubernetes-6800132a677>
    - Start draft beginning of month
  - jpkroehling - Jaeger Operator to replace Jaeger Kubernetes (and potentially Jaeger OpenShift)
    - <https://github.com/jaegertracing/jaeger-operator>
    - <https://github.com/jaegertracing/jaeger-kubernetes>
  - Versioned documentation coming: [PR #138](#)
    - Off topic: have you seen <https://antora.org/> ?
  - jpkroehling - KCSP meeting -- who's presenting? -- Juca
    - 8 AM PT on Thursday, Sept 20
  - Plugin chat?
    - Louis wants to continue to experiment w/ pkg/plugin
- 

2018-08-24

### Agenda

- (ys) Too many "cannot see spans" questions.
  - Internally @ Uber we have a Troubleshooting guide, we should publish it

- Anything else we can do? Zipkin github has none of these questions (but then, their issue template instructs people not to ask questions through issues, but use gitter)
  - Let's add a new troubleshooting page to the documentation  
<https://github.com/jaegertracing/documentation/issues/128>
  - Can we add more insight into the clients, agents, collectors so that users can debug themselves?
    - Does sampling rate default to 1 in all-in-one via remote sampling strategy? We should check
    - A status (admin) page?
      - Parse spans to get the metadata?
      - On client/agent startup, have them forward a span to the collector to discover agents
      - Admin page can be used to update configs on the collector
      - Possibly outreachy project? Prithvi to mentor if we move forward.
  - [KCSP](#) Meeting
    - Thursday September 20th 8AM PST (5PM CEST)
    - Should be a webinar
    - Pencil in Juca for now, we'll see if there's anyone on our end who's interested.
- 

2018-08-10

## Agenda

- The great [Java 1.6](#) debate
  - Try to survey users about using 1.6, 1.7 and for the next major release, jump to 1.8
  - Keep the legacy version on 1.6 and point people to that
  - Louis-Etienne: Company uses 1.6 still, if we remove support, he would most likely have to support a fork if we add any new features. He would have to backport any bug fixes, etc.
    - The teams that are still using 1.6 are the teams that most need jaeger!
- Outreachy
  - Current cycle ends next week
  - We want to apply for a project for the next program for both Jaeger and Opentracing (UI work? Android work?)
  - Let's take some time to get a list of tasks for the recruitment phase (label tasks as "Outreachy" - pick easy tasks that could take someone new with jaeger a week)
  - Let's also find tasks that could take around 6 months for the main project
- Trace [diffs PR](#)

- Please review
  - Internally at Uber, this new feature has been extremely useful for our users.
- 

2018-07-27

## Agenda

- Juraci out for two weeks
  - Document the upgrade and compatibility policy  
<https://github.com/jaegertracing/documentation/issues/117>
  - Red Hat to try the agent refactoring work ([#927](#)) to move on gRPC thread
- 

2018-07-13

## Agenda

- [gbrown] Kibana friendly ES span format  
<https://github.com/jaegertracing/jaeger/issues/906>
  - No objections, paval to prototype in the coming weeks
- [jpkroehling] Service tags, discuss a common approach across client libraries
  - <https://github.com/jaegertracing/jaeger-client-java/issues/490>
    - Handle in the backend as a Span Filter
- [wjang] Move zipkin reporting to jaeger agent/collector
  - <https://github.com/jaegertracing/jaeger/issues/925>
  - Java written proxy (allows users to pull in zipkin jars (kafka, etc.) as needed)
  - Potentially useful for multi tenancy
  - Potential issues with Istio
    - Istio (mixer specifically) use golang zipkin sender directly, they rather not pull in a backend component. wjang to investigate
- Documentation versioning
  - <https://github.com/jaegertracing/jaeger/labels/documentation>
  - <https://github.com/jaegertracing/documentation/issues/79>

2018-06-29

## Agenda

- When is the next release? What's in it?
  - Wait for Kafka multi-writer to merge, then release
- Java Client Internal API
  - Extract interfaces from implementation
    - **Do extract, empty interfaces at first**
  - Which classes should be part of the public API?
    - Concrete implementations of OT interfaces
      - JaegerTracer, JaegerSpan, JaegerSpanContext
    - **Configuration**
      - Objects that can be used with Configuration, such as concrete Codecs? Concrete reporters (all?) ?
    - **No**
  - What should be internal?
    - Current io.jaegertracing.[exceptions|metrics|utils] packages?
    - io.jaegertracing.baggage?
      - **Everything is internal, except the Configuration object**
  - Which methods from the following classes should be public API?
    - ~~JaegerTracer~~
    - ~~JaegerSpanContext~~
    - ~~JaegerSpan~~
  - Which classes should be part of the SPI?
    - Senders? Samplers? Reporters?
      - **All interfaces from core**
  - How about other modules?
    - Cross-dock
    - Micrometer - public (people can include as dependency on their projects)
    - Thrift - public
    - TracerResolver - public
    - Zipkin - public
      - ZipkinSender is public API
      -

---

2018-06-15

## Agenda

- Store vendor folder in github repo
  - E.g. Istio, Kiali take this approach, should we consider it?
  - Decision:
    - Do not vendor
    - But pin dependencies in glide.yaml to semver or a SHA  
<https://github.com/jaegertracing/jaeger/issues/887>
- Should ES use json from new domain model  
<https://github.com/jaegertracing/jaeger/pull/856?>
  - Pro: consistent json model used from UI to storage
  - Con: I assume will be a breaking change - any other downside?
  - Decision:
    - Keep separate for now
    - Document reasons somewhere  
<https://github.com/jaegertracing/jaeger/issues/888>
- Thrift version in Java client - does it still need to be 0.9.2, as C++ client is using 0.11?
  - Thrift module should shade thrift lib
  - Continue building unshaded jar so that people can upgrade it in case of security issues / bugs (document this reason in the README)
- Jaeger Java Client - Transport API -  
<https://github.com/jaegertracing/jaeger-client-java/issues/407>
  - Not urgent, can put a hold on it, e.g. until protobuf senders are done
- Alex Golonzovsky from LocalSearch, integrating Jaeger. Interested in Kafka pipe.
- Kafka streaming
  - Need to support dual-writer
  - Switch to proto binary format for spans

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2018-06-01

## Agenda

- Baggage for B3 <https://github.com/jaegertracing/jaeger/issues/755>
  - (Yuri) Correlation-Context header is not finalized, could change

- (Pavol) Go with Brave's baggage-xxx header
  - Rename 'io.jaegertracing.Span' to 'io.jaegertracing.JaegerSpan' - <https://github.com/jaegertracing/jaeger-client-java/issues/434>
    - Closed PR with a code that is close to the final state:
      - <https://github.com/jaegertracing/jaeger-client-java/pull/435>
  - Protobuf model <https://github.com/jaegertracing/jaeger/pull/856>
    - Outstanding open question - how to represent span.duration in JSON. Currently the PR is using default Go rendering, as string with unit like "0.001s". This value might be slightly complicated to parse for external consumers of the API, a numeric representation would be better. But int64 cannot be represented in Javascript. Working proposal is to use microseconds with a fraction, e.g. 1500ns will be 1.5.
- 

2018-05-18

## Agenda

- Do we want to continue supporting Zipkin output from Jaeger [clients](#)?
  - What is the rationale?
    - Istio Mixer (Go)
    - OpenWhisk (Scala)
- Make decision on metrics naming
  - Should the binary name be used as a prefix or a label or offload to scraper
- What should be the next release number, given breaking changes:
  - Metrics names
  - Cassandra schema
    - Migration script exists / tested
    - Spark job needs update
    - Documentation
  - Docker image changes to CMD+ENTRYPOINT
  - Proposal
    - Hold off Docker change
    - Investigate making Cassandra change backwards compatible
- Post-processing use cases
  - [https://docs.google.com/document/d/18i27i6Fkndw4gUAz8i55UMuFXWOo4u6a7\\_WQ6DubMjU/edit#](https://docs.google.com/document/d/18i27i6Fkndw4gUAz8i55UMuFXWOo4u6a7_WQ6DubMjU/edit#)
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2018-05-04

## Agenda

- Newsletter is out:  
<https://medium.com/jaegertracing/april-2018-newsletter-bad00a68080e>
  - Did I miss any recent conference talks? Or community talks / blog posts?
- Tickets / issues cleaning, follow up
- Any feedback from KubeCon?
  - People are interested in the roadmap (particularly adaptive sampling)
  - Sessions were recorded
  - Interest in storage plugin

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2018-04-20

## Agenda

- Make decisions on <https://github.com/jaegertracing/jaeger/issues/773>
  - Tag people on github to take a vote
- Adding issue/pr templates [like this](#). Do we want to discourage questions via Issues in favor of Gitter?
  - (yurishkuro) personally I am ok with questions as Issues, there's even a standard label for those on GitHub.
- Plans for 1.4?
  - <https://github.com/jaegertracing/jaeger/pull/780>
- PR / issue maintenance (labeling, closing, ...)
  - Do this during this meeting starting next time
- Katacoda scenario
  - Who wants to test it?
- Conferences (GIDS next week, KubeCon the week after)

2018-04-06

## Agenda

- Metric names are very unusual and inconvenient ([#732](#))
  - Juca to follow up with @simonpasquier
- All these license check failures are becoming super annoying
- Clients feature matrix
  - PR <https://github.com/jaegertracing/documentation/pull/39>
  - <https://deploy-preview-39--jaegertracing.netlify.com/docs/client-libraries/#features>
- Large PRs
  - Influx metrics PR <https://github.com/jaegertracing/jaeger/pull/763>
    - Prefer to follow the storage factory pattern to avoid polluting CLI help with options that are not applicable
  - Key-value storage <https://github.com/jaegertracing/jaeger/pull/760>
    - Continue, later consider turning into a real plugin
  - ES scrolling <https://github.com/jaegertracing/jaeger/pull/696>
    - Merged
- Project updates for Kubecon
  - 3 releases since the last Kubecon, the latest release 1.3.0
  - Ability to archive traces for longer retention
  - Performance improvements for Elasticsearch storage
  - Improved UI with a new design
  - New website [jaegertracing.io](http://jaegertracing.io) and improved documentation
  - New C# client
- Java client package rename to io.jaegertracing
  - <https://github.com/jaegertracing/jaeger-client-java/issues/287>
  - Old code moved to <https://github.com/jaegertracing/legacy-client-java>
  - May try to refactor it into wrappers around official code

2018-03-23

## Agenda

- Plan to cut over to the new docs site ([prototype](#))
- Jaeger agent on Kubernetes [issue-74](#)
- User feedback on features / direction
  - Proposal: create a GitHub group/team that includes all known users so that they can be tagged on issues where we gather community feedback



- Java client move to io.jaegertracing [jaeger-client-java/issues/287](https://github.com/jaegertracing/jaeger-client-java/issues/287) and deprecate instrumentations [jaeger-client-java/issues/182](https://github.com/jaegertracing/jaeger-client-java/issues/182)
- Release cycle (regarding the new implementation of RemoteSampler + Agent fix for Prometheus)

## Minutes

- Plan to cut over to the new docs site ([prototype](#))
  - Add “try it live” link somewhere
- Jaeger agent on Kubernetes [issue-74](#)
  - Both sidecar and agent modes are supported
- User / stakeholder feedback on features / direction
  - Several groups
    - Instrumentation owners
    - End users
    - Language-specific
  - UI widget, but could be more useful to contact local Jaeger team
  - Mail group
  - Put a link to startup log
- Java client
- Release process, next feature being worked on
  - Maybe “Next Milestone” tags
  - Switch to bi-weekly release cadence

2018-03-09

## Agenda

- (Pavol) Add CODEOWNERS to all repos?
- (Yuri) Jaeger client for PHP, C#
- Milestone 1.0 remaining tasks for Java client:
  - Deprecate framework instrumentations:  
<https://github.com/jaegertracing/jaeger-client-java/issues/182>
  - 128bit id: <https://github.com/jaegertracing/jaeger-client-java/issues/318>
  - Baggage headers with no trace context:  
<https://github.com/jaegertracing/jaeger-client-java/issues/146>

## Minutes

- Jaeger client for PHP, C#
  - C# soon to move to official repo
  - PHP

- Create repo
  - Create feature matrix
  - Tag existing authors to link & explain their current state & features
- Milestone 1.0 remaining tasks for Java client
  - Deprecating instrumentation
    - Move old instrumentation to another repo
    - Question - how to prevent issues if people still case to com.uber classes
  - 128bit IDs and baggage - not required for 1.0
  - [#228](#) nice to fix before 1.0
- Swag <https://store.cncf.io/>
- Docs - Luc expects to have something next week
- Browser/JS client - on hold for now, pending investigation of JSON data model

2018-02-23

## Agenda

- Lightning talks @ KubeCon
- Committer / approver model
- Docs structure ([Hugo-based prototype](#))

## Minutes

- Committer / approver model
  - Approvals from qualified people don't count if they are not maintainers
  - Look into Kubernetes bot
- Lightning talks @ KubeCon
  - Do a post on Medium w/ "call for papers"
- Docs
  - Going with Hugo
    - Discussion: <https://github.com/opentracing/opentracing.io/issues/240>
  - Luc & Alex building home page template and site style
  - [Start jamming on docs outline](#)
- (Frank Greco) may start looking at plugins, need to support encryption of data at rest

2018-02-09

## Agenda

- 1.2 release
- Docs update, if Luc can make it
- W3C Trace-Context
- Mentorship - Outreachy, GSoC
- Conferences

## Minutes

- 1.2 released 2 days ago - the UI is even better than before
- W3C Trace-Context
  - <https://github.com/w3c/distributed-tracing>
  - The spec is still in flux, at the workshop the Trace-Context(-Ext) headers have been renamed to Trace-Parent and Trace-State
  - Many vendors had concerns with size and security implications of the Correlation-Context. Adrian also had concerns with the name "correlation". Further discussions were put on hold until the trace context is formalized.
  - Ted gave another summary at OTSC call (recording tbd)
- Mentorship - Outreachy, GSoC
  - Outreachy next starts in March
    - Need from a mentor
      - Idea of a task (OT site has previous ideas)
    - Deadline for orgs to publish projects
      - The Outreachy application period for the May to August internship round opens in three days, on Monday, Feb 12. On Monday, this page will list all the participating communities:
      - Outreachy can add new participating communities until **March 2.**
  - GSoC - CNCF is participating
    - Google is likely to select CNCF as the org
    - Add your ideas to <https://github.com/cncf/soc>
  - Ideas
    - Android or iOS client
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2018-01-26

## Agenda

- Release 1.0 for Java client
- Status on Outreachy
- Documentation

## Minutes

- Documentation
  - Luc is preparing a skeleton for Hugo project
  - Currently do incremental updates while hosting on readthedocs
  - Migrate docs issues from the main repo to /documentation
  - SSL and hosting - Juca to talk to Luc
- Status on Outreachy
  - Next Outreachy cycle is starting, is CNCF participating?
- Release 1.0 for Java client
  - <https://github.com/jaegertracing/jaeger-client-java/milestone/1>
  - Issue for discussion <https://github.com/jaegertracing/jaeger-client-java/issues/253>

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2018-01-12

## Agenda

- Public instances on CNCF/Packet
  - Jaeger: <http://147.75.69.121:8080/>
  - HotROD: <http://147.75.69.121:90/>
- Documentation
  - Example of automated asciidoc to html
    - <https://github.com/objectiser/doctest>
    - Generated version: <https://objectiser.github.io/doctest/>
  - Get agreement on top level documentation
    - Getting Started Guide
    - Server Reference (deployment, config, tuning, troubleshooting)
    - Client Reference (section per language, or each language has separate guide?, troubleshooting, shared sections - e.g. env vars)
  - Source of information - readmes, issues/google group threads
  - Process around building docs

- Role of README content vs documentation

## Minutes

- Documentation
  - Existing docs: <http://jaeger.readthedocs.io/en/latest/>
  - GitHub repo - <https://github.com/jaegertracing/documentation> (currently empty)
    - Yuri to move docs from /jaeger to /documentation [done]
    - Reconfigure readthedocs to build from that [done]
  - Open questions:
    - Which site generator to use
    - Which layout to use
    - Can mkdocs work with asciidoc files?
  - API docs for clients
    - Generate in the usual way/format by Language
    - Have a landing page pointing to other sites for APIs
      - Javadocs.io, godocs, etc.

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2017-12-15

Attending: Kevin, Pavol, Won, Prithvi, Kara, Yuri

## Agenda

- CloudNativeCon impressions
- Java client release status
- CD/CI

## Minutes

- Java client
  - Do not release 0.22 based on ActiveSpan, keep it as RC
  - Once OpenTracing 0.31 is released upgrade 0.22 to it and release
  - Existing instrumentation (apache, dw, jaxrs2)
    - Used at Uber, we want to keep them
    - Once 0.22 is out, refactor those to be shims around opentracing-contrib versions
    - May need some plugin mechanism for extracting additional data from requests, e.g. x-uber-source header => peer.service tag
- CD/CI
  - Account approved
  - 4 boxes

- Cassandra, ES, HotROD, OpenShift
- Next meeting - skip Dec 29

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## 2017-12-01

Attending: Pavol, Gary, Kevin, Yuri, Joe, Won

### Agenda

- 1.0 release
- Java client release
- CNFC CI infrastructure
- OpenCensus

### Minutes

- 1.0 release this weekend
  - Prometheus metrics “as preview”
- Java client - release 0.22 today (OT 0.30)
- CI
  - Kevin starting to look at it
  - Would be nice to run a small Cassandra permanently
  - <https://www.packet.net/bare-metal/>
- OpenCensus
  - Istio might be switching to OC from OT
  - Douglas Reed @ CloudNativeCon - [doug Reid@google.com](mailto:doug Reid@google.com)
  - The document is:  
<https://docs.google.com/document/d/1yMZPc0w8IpllhZYAdAoiEUK1oZjmFRpCeuxdruLsZ1O/>

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## 2017-11-17

### Agenda

- Refactoring client metrics to be Prometheus friendly [#222](#)
- Java client package rename - as part of the maven group name change. Planning best time to make this breaking change.
- Documentation update - Gary
- Automation of latest all-in-one when UI (and possibly idl) changes are made. Currently latest docker image is updated when jaeger repo changes are made, but don't pick up changes on master for UI, which has led to a number of users being affected by the FOLLOWS\_FROM issue causing spinning in the UI.

- Timing of 1.0 release

## Minutes

- Go client - proceed with current PR
- Java client - wait for OT 0.31 as breaking change
- Documentation
  - CNCF signing up tech writer
- Make all-in-one Docker image pull the latest UI
  - Add a hook to kick off jaeger/master build on UI changes
- 1.0 release
  - Target Nov 27, to give a week for burn in
- Istio PR to change to Jaeger client:  
<https://github.com/istio/istio/pull/1693#issuecomment-345221455>
- Joe will create an issue with proposal for UI plugin framework
-