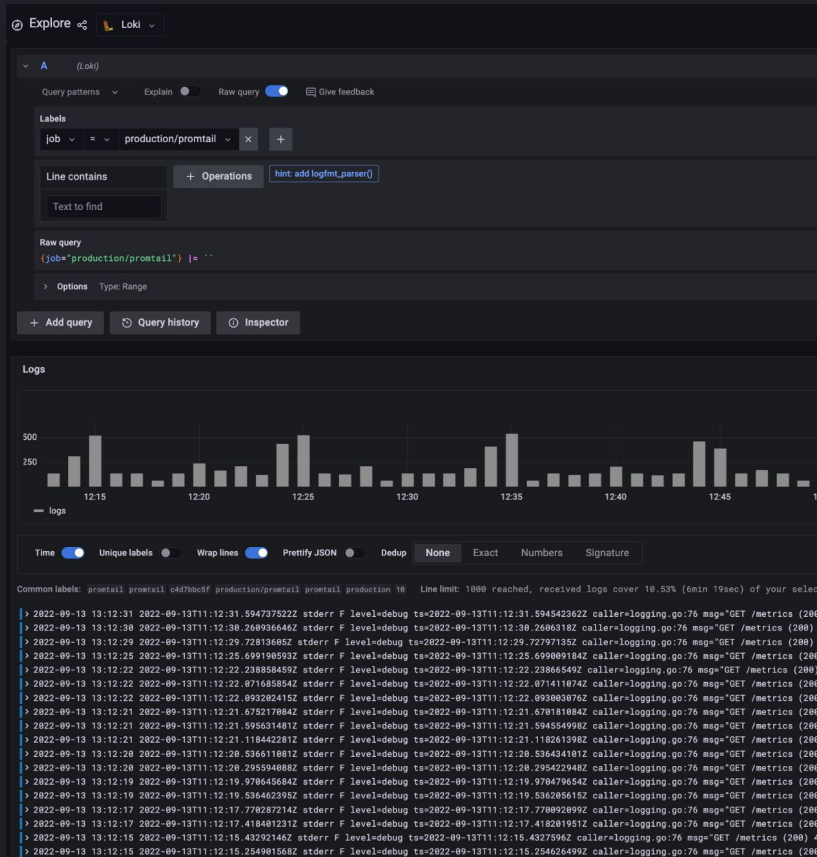# Trino Loki Connector

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About Me

2013 - 2016 Amazon

Engineer at the Core Machine Learning team.

2016 - 2020 Mesosphere / D2IQ

Maintainer of Marathon, a container orchestrator for Mesos.

2020 - now Grafana Labs

Maintainer of Loki for two years, now Cloud Provider observability.

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DISCLAIMER

I'm talking as an OSS contributor not as a Grafana Labs representative.

Big tent
Composable

LGTM
Open

Grafana Cloud
Easier

Grafana Loki

Loki is a horizontally-scalable, highly-available, multi-tenant log aggregation system inspired by Prometheus

https://github.com/grafana/loki

Tailored for logs, built for
developers and operators *

* But it's ok if other people use it too

Why a Trino Loki Connector?

- People start using Loki for more than "just" observability
    - E.g. analysing business processes or SIEM
    - But Loki is limited
- Bridge observability and data analytics
    - Query logs from Trino
    - Join with metadata
    - Aggregate multiple statistics in one query
    - ETL: extract raw logs, transform them and load them into another database

That said...

- Loki's architecture is being refactored
    - Building on Warpstream/Kafka the ingest path has been improved.
    - Variants allow multiple statistics in one query
    - More to come...

Demo Time!

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Next Work Items

- Split/shard queries

- Support Parquet responses

- Support authentication

- Push down limit and predicates

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Thank you