



Open Source Monitoring with Loki, Grafana, Tempo, and Mimir

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Java client library



@fstabr



Demo & Code

github.com/fstab/jbcn.conf-2022



Script running
curl in a loop

Hello World
Application

Greeting
Service

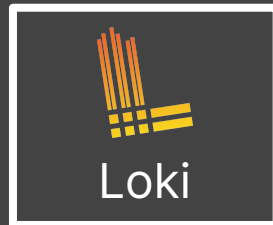
GET http://localhost:8080/

GET http://localhost:8081/

"Hello, World!"

"Hello, World!"





Left out in this talk: Alerting, on-call, infra monitoring, ...





Optional: Grafana Cloud
Free forever plan:

- 10,000 active series for metrics
- 50 GB of logs
- 50 GB of traces



Left out in this talk: Alerting, on-call, infra monitoring, ...



Instrumentation

Metrics



Micrometer



OpenTelemetry



Prometheus

Traces



OpenTelemetry



Zipkin's Brave



Jaeger

Logs



Any of the
Java logging
frameworks.

This demo: OpenTelemetry's Java instrumentation agent.
`java -javaagent:./opentelemetry-javaagent.jar -jar myapp.jar`



Tracing

hello-world-app

span.kind = "server"

span.kind = "internal"

span.kind = "client"

greeting-service

span.kind = "server"

span.kind = "internal"



Thank you!

Demo & Code:

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 *@fstabr*

