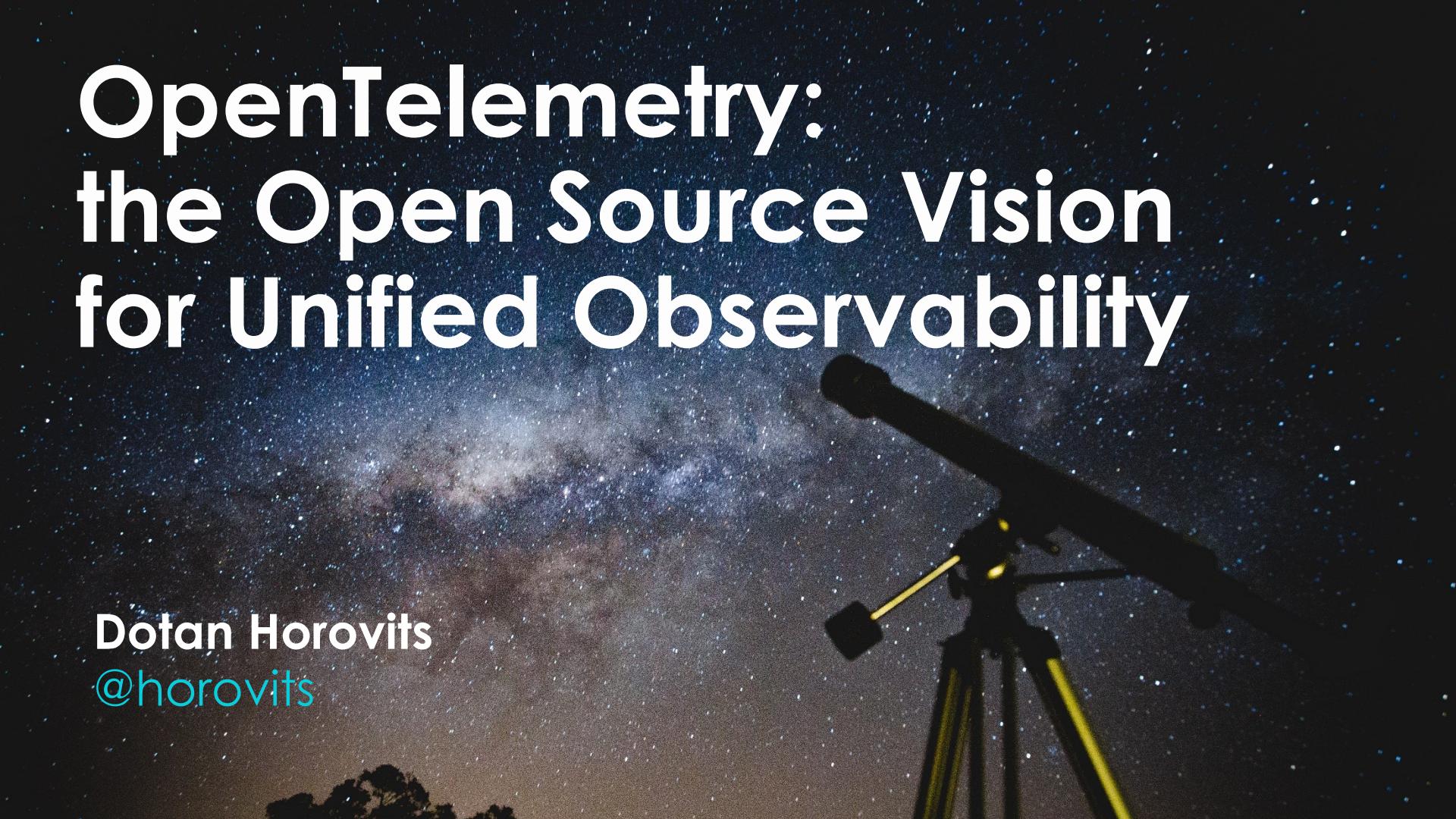


OpenTelemetry: the Open Source Vision for Unified Observability



Dotan Horovits
[@horovits](https://twitter.com/horovits)

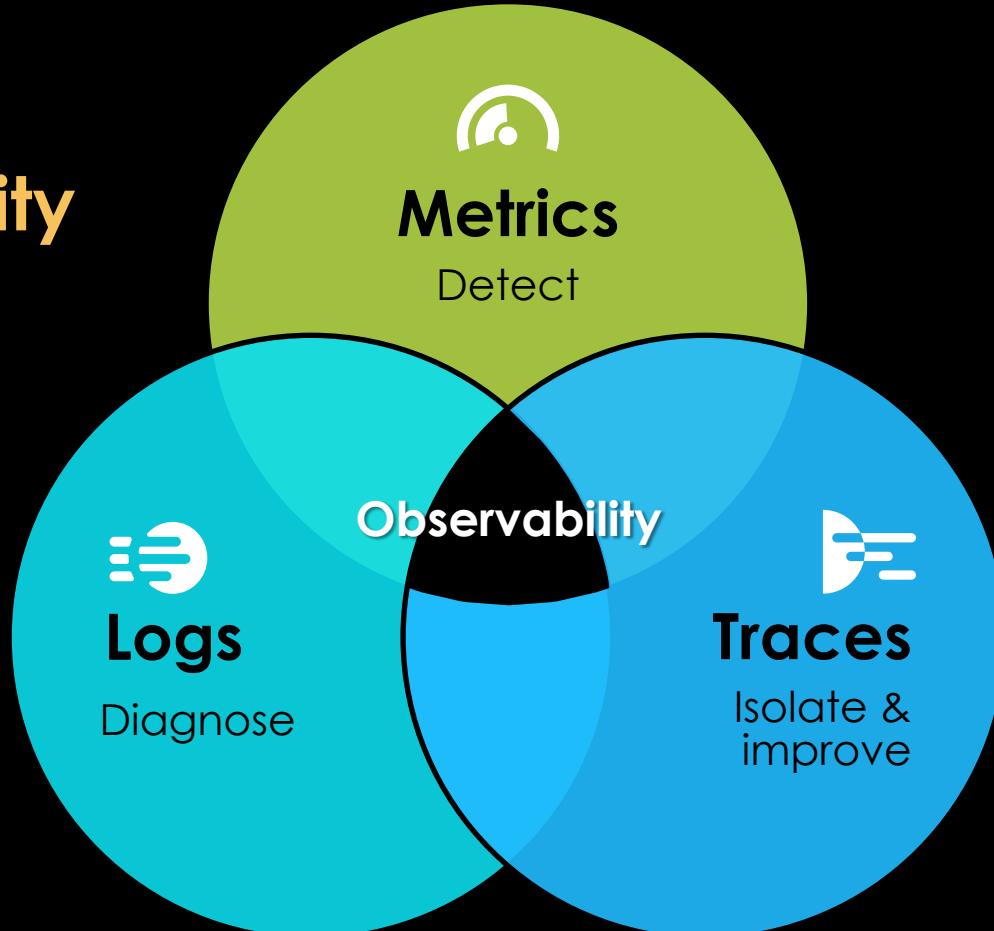


Dotan Horovits
@horovits

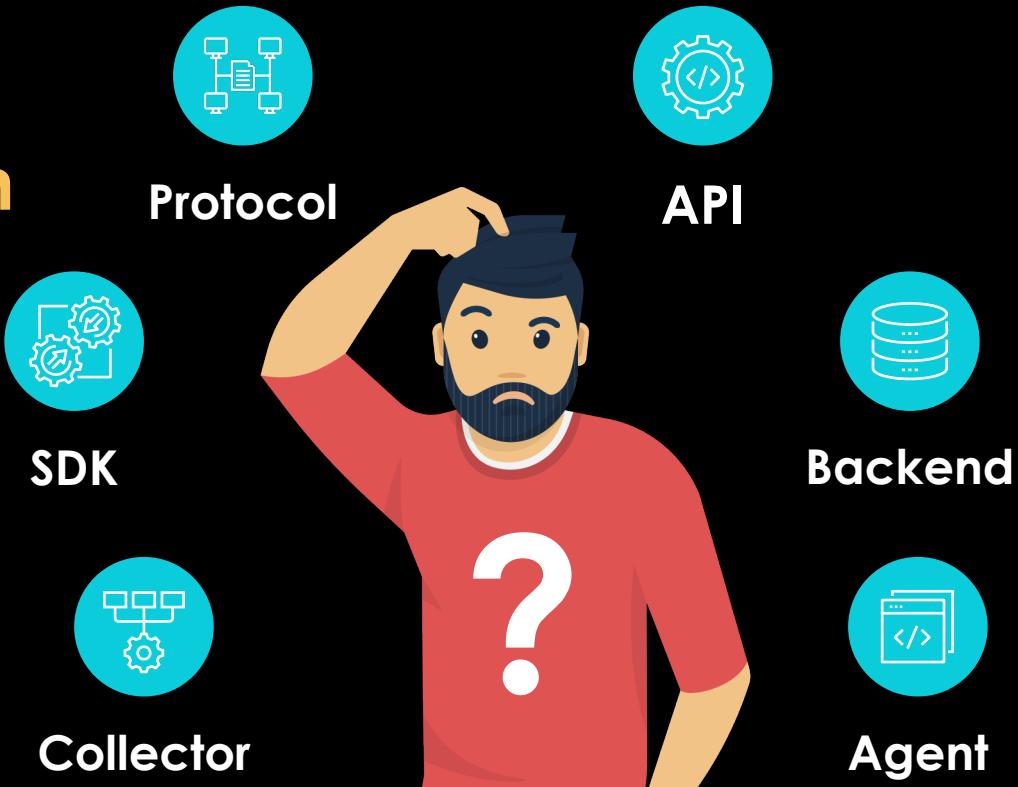
- Developer Advocate at  logz.io
- 20 years in the hi-tech industry
- Developer, architect, product
- CNCF advocate, meetup organizer
- OpenObservability Talks podcast



The vision: unified observability



The reality: fragmented instrumentation



OpenTelemetry (a.k.a. OTel)



CLOUD NATIVE
COMPUTING FOUNDATION

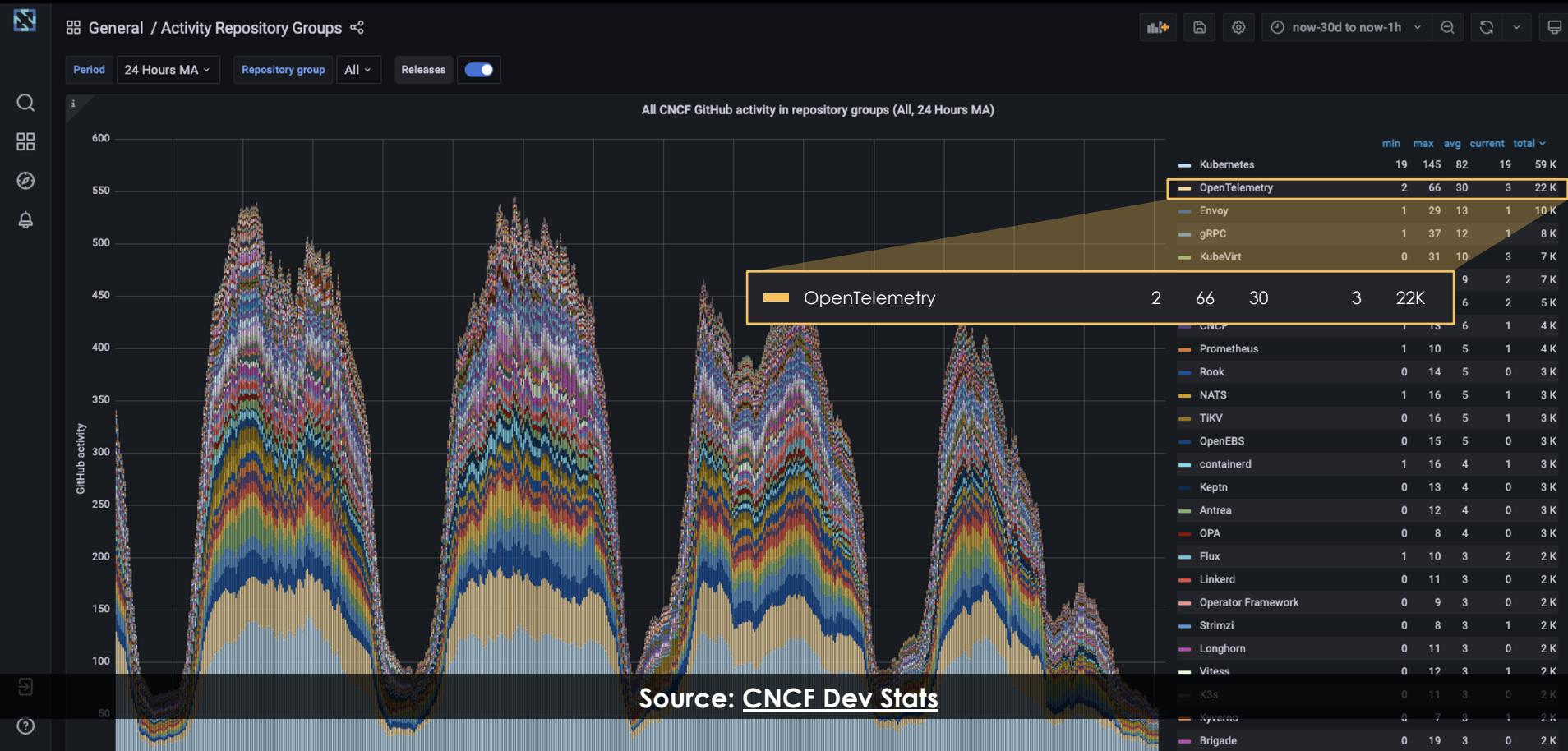
“OpenTelemetry is an observability framework – software and tools that assist in **generating and capturing telemetry data** from cloud-native software.”

Across Traces, Metrics, Logs



OpenTelemetry

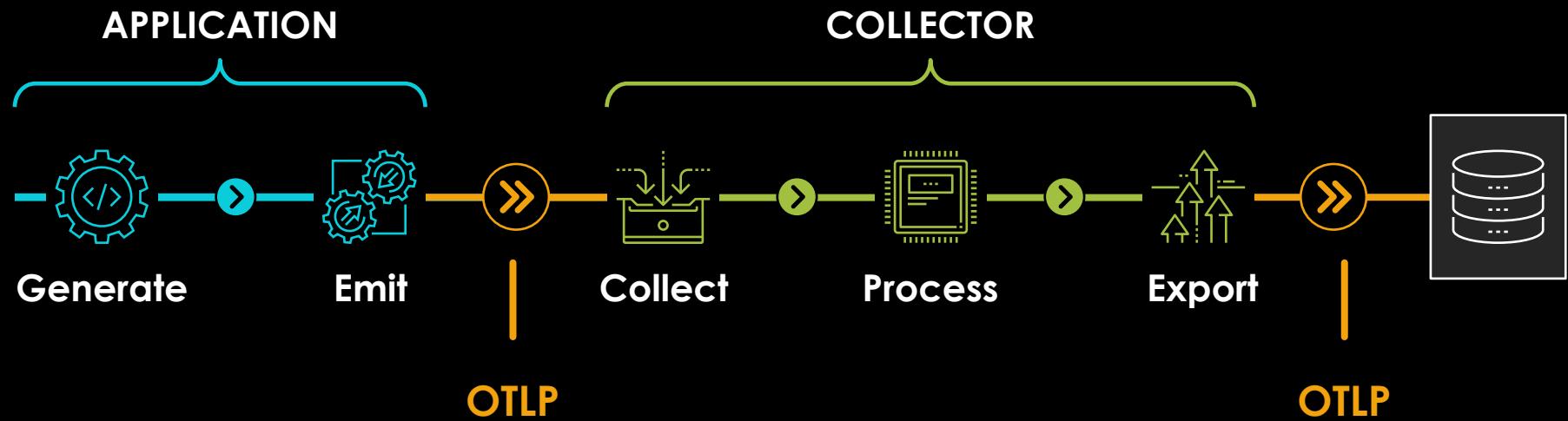
Second most active CNCF project



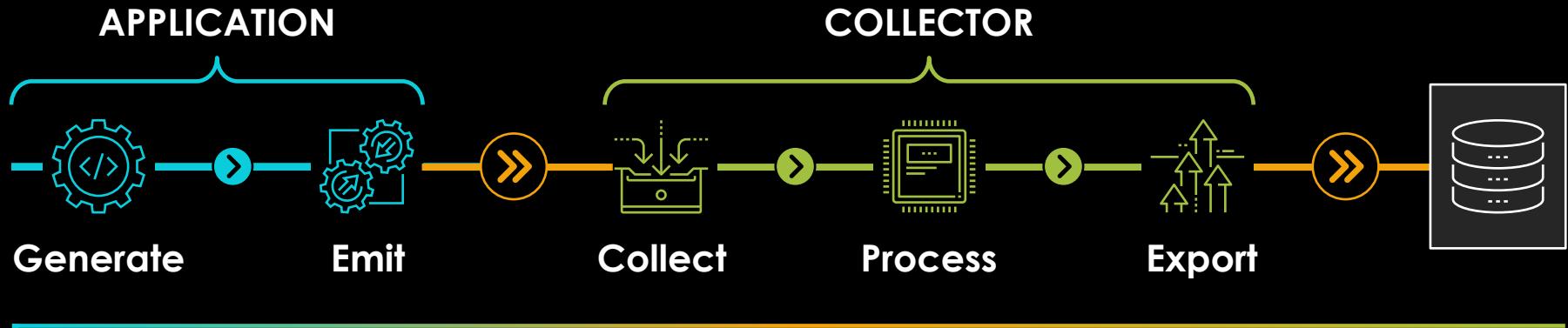
OpenTelemetry



A unified set of vendor-agnostic APIs, SDKs and tools for generating and collecting telemetry data, and then exporting it to a variety of analysis tools.



OpenTelemetry Specification



**Cross-language requirements for all
OpenTelemetry implementations**

API specification | SDK specification | Data specification

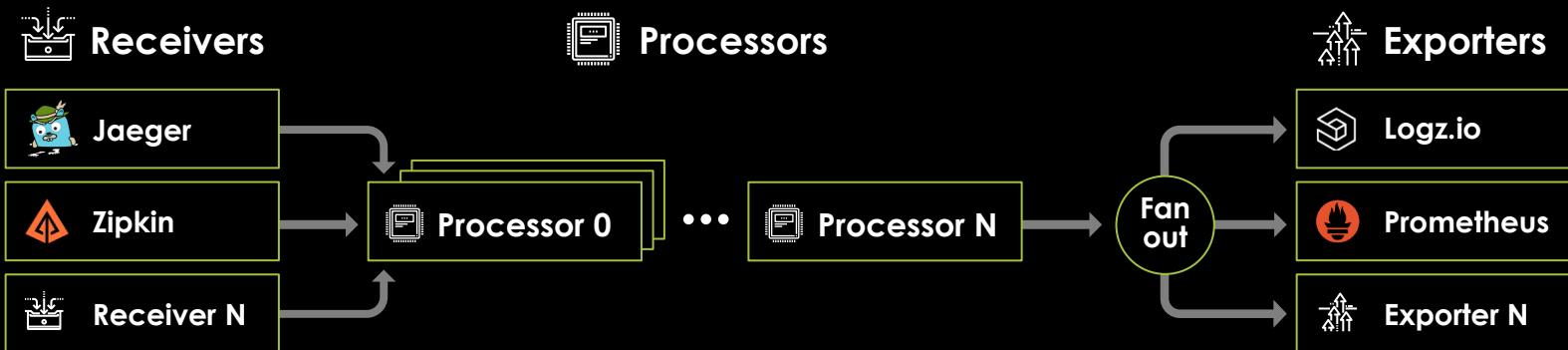
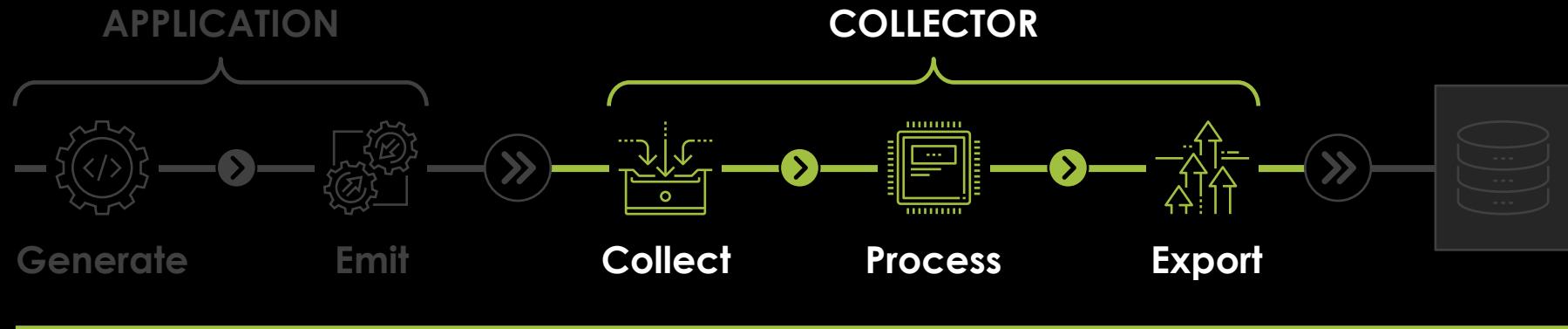
For traces, metrics and logs



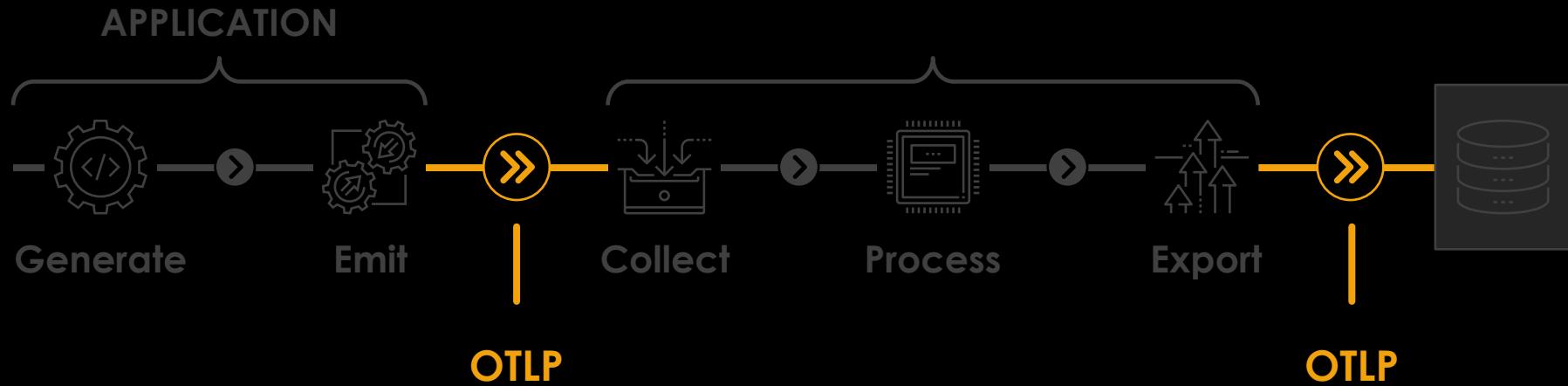
OpenTelemetry Client Libraries



OpenTelemetry Collector

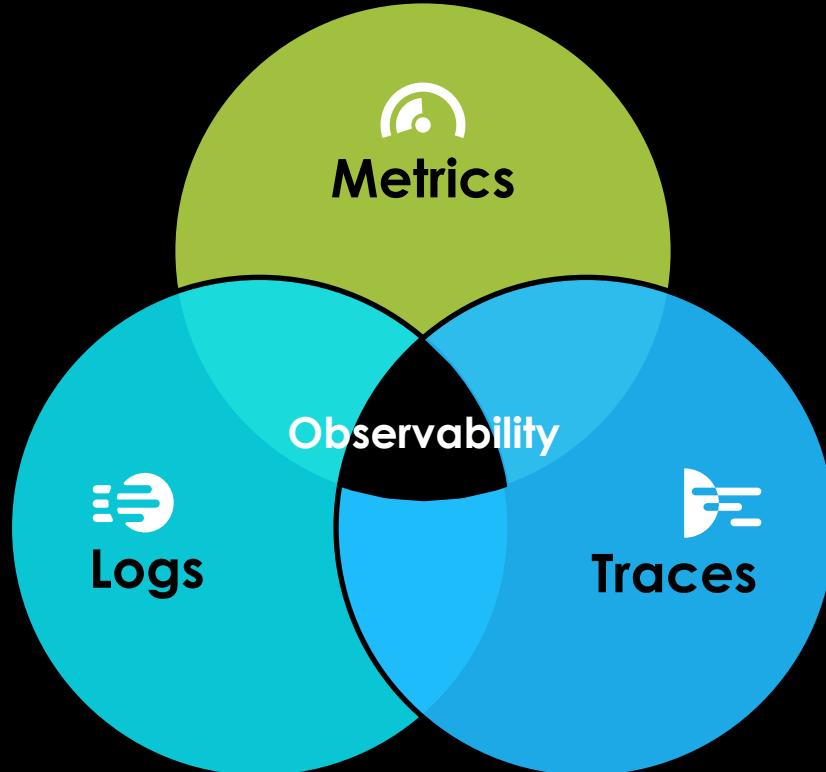


OpenTelemetry Protocol (OTLP)

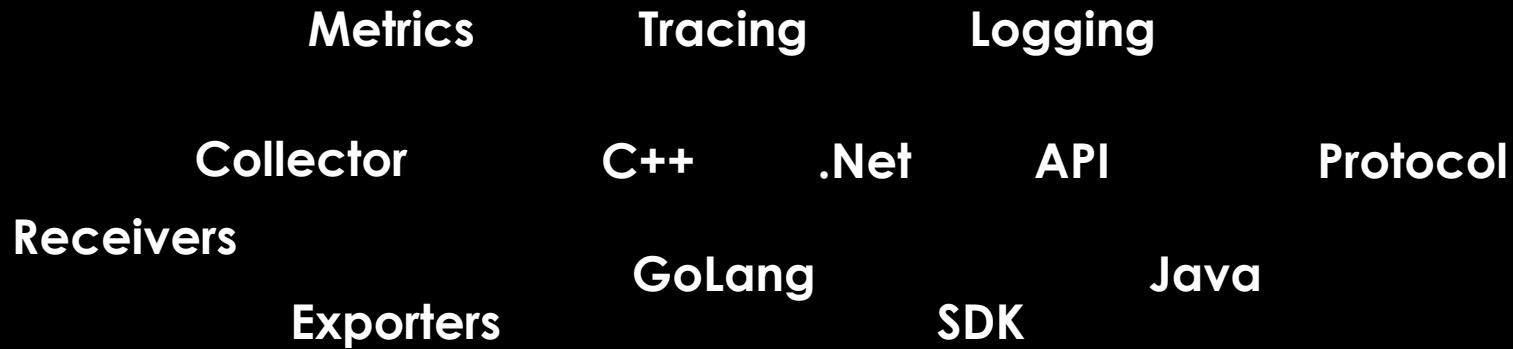


Transport: grpc and HTTP 1.1 | Encoding: protobuf | Telemetry data model

State of the signals



How do I get started with OpenTelemetry?



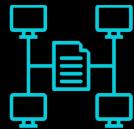
Know your stack



Which
languages?



Which
signals?



Which
protocols?



Which
analytics tools?

Then check status for each and follow respective guides

<https://opentelemetry.io/status/>



**GUIDE TO
OPENTELEMETRY**



Google “**OpenTelemetry Guide**”, or go to:
bit.ly/otel-kubecon



Thank you!

Dotan Horovits,
@horovits

