

# DIY Monitoring with OSS





Turner Novak   
@TurnerNovak

...

Coinbase (?) had a \$65 million Datadog bill per its Q1 earnings call. Wild.

h/t [@ChairliftCap](#)

[Traducir post](#)

**Mark Ronald Murphy**

*JPMorgan Chase & Co, Research Division*

David, looking at the math on this large upfront bill that did not recur, it seems to be about **\$65 million**, if I'm running that correctly. Can you possibly shed a little more light? For instance, will you recapture that or some of that in Q2? And what type of customer and customer dynamic is operating at that level? And then I have a quick follow-up.

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**DATADOG, INC. FQ1 2023 EARNINGS CALL MAY 04, 2023**

**David M. Obstler**

*Chief Financial Officer*

Yes. We -- that is a customer of ours. What we said was the billing frequency changed and the size. So that customer's bill will, one, be spread out more over time. That company -- **that was a crypto company** and continues to be a customer of ours, but that was an early optimizer. We had always talked that some of the industries that were most affected optimized. And that is -- so we will get that -- we will get that bill at a smaller size than was billed last year in a more of a chunked up billing way.

5:02 p. m. · 5 may. 2023 · 942,8 mil Reproducciones

DIY Monitoring with OSS



@ianaya89

62

↑↓ 264

1 mil

261

↑

2





own it



# Nacho Anaya



Cloud Engineer @AltinityDB



@ianaya89



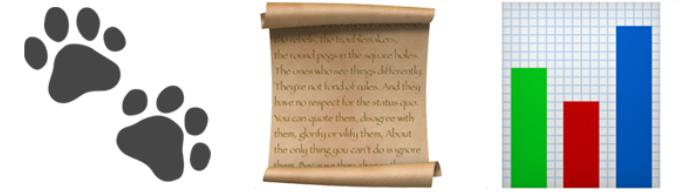
# Monitoring & Observability



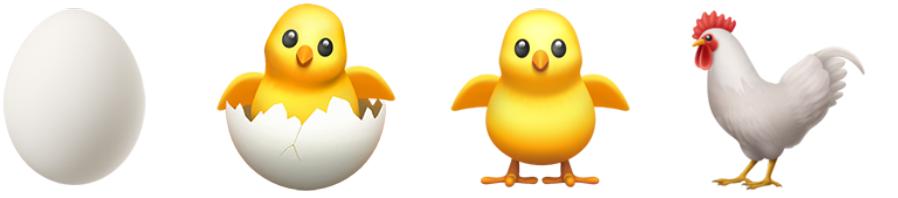
# Responder Preguntas







# traces - logs - metrics

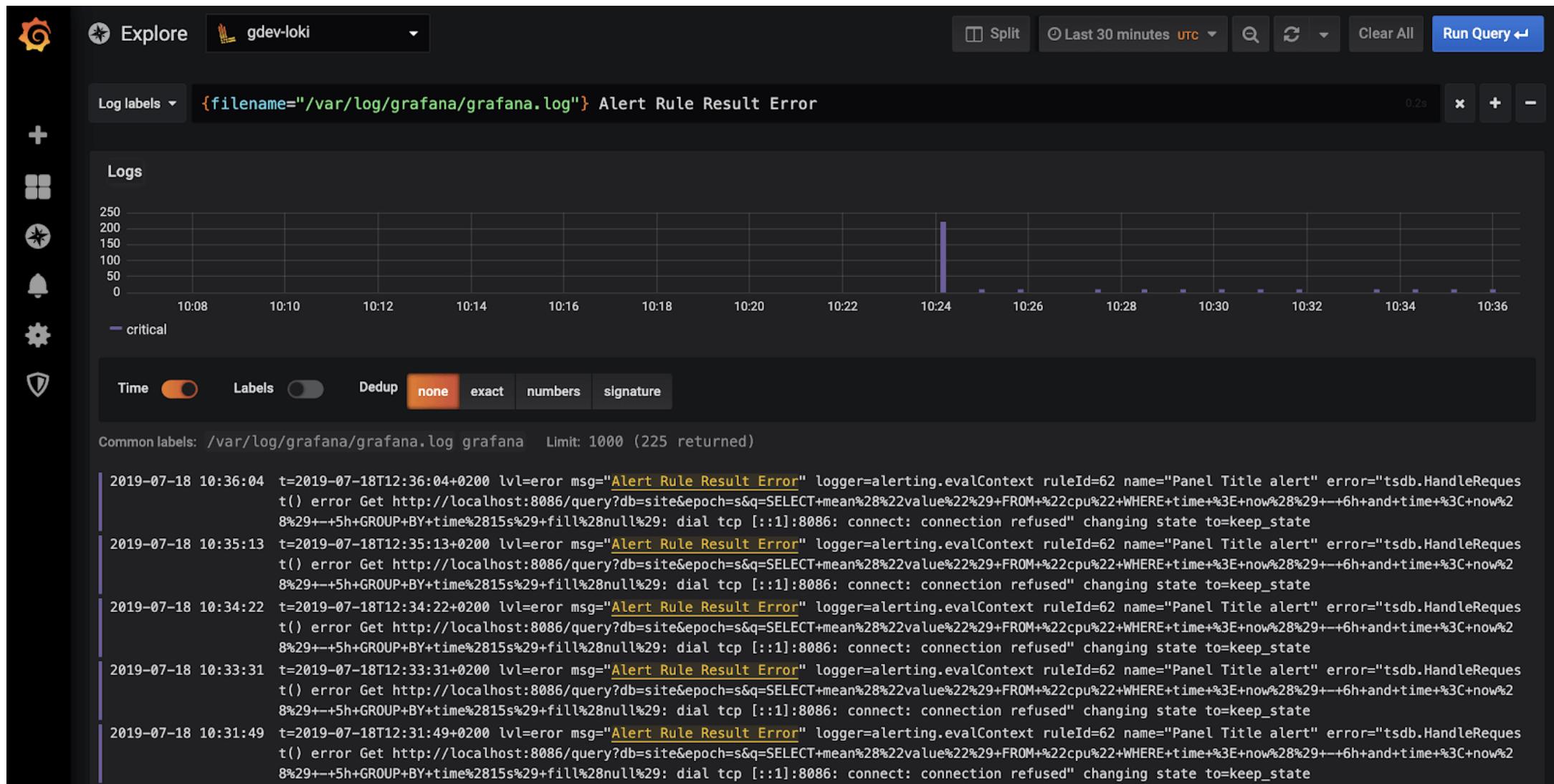


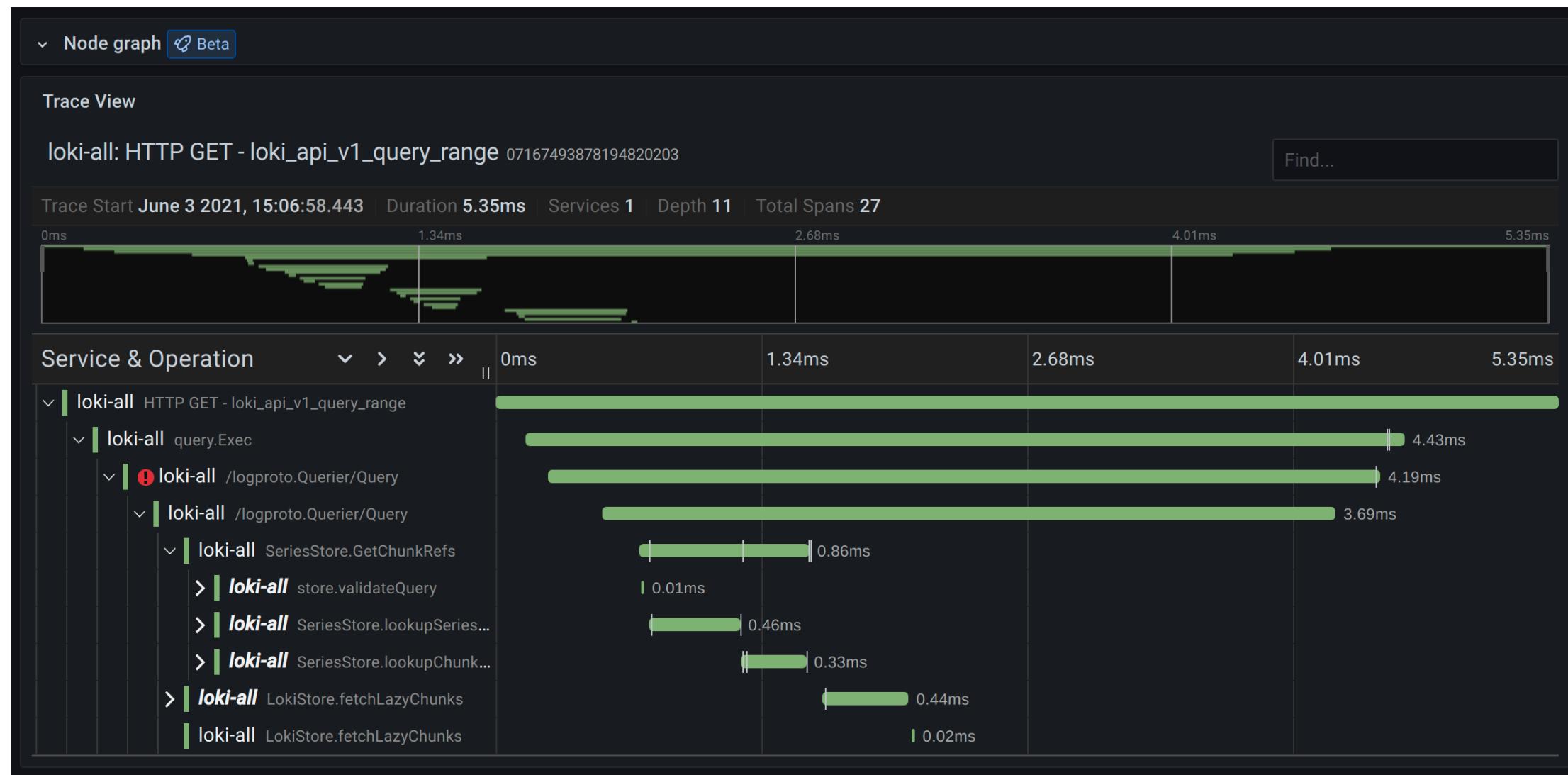
```
$ vmstat -n 2 10
```

procs		memory					swap		io		system			cpu		
r	b	swpd	free	buff	cache	si	so	bi	bo	in	cs	us	sy	id	wa	st
0	0	343296	21690808	2290104	6897160	0	0	3	187	0	2	4	2	94	0	0
0	0	343296	21690800	2290104	6897160	0	0	0	60	2989	7688	2	1	97	0	0
0	0	343296	21690140	2290104	6897164	0	0	0	72	4704	13677	3	2	95	0	0
0	0	343296	21689888	2290104	6897164	0	0	0	14	3132	9364	2	1	97	0	0
0	0	343296	21690220	2290104	6897168	0	0	0	86	3014	7995	1	1	97	0	0
0	0	343296	21690448	2290104	6897176	0	0	0	20	2660	7297	1	1	98	0	0
0	0	343296	21690268	2290104	6897176	0	0	0	12	2695	7222	1	1	98	0	0
1	0	343296	21690196	2290104	6897180	0	0	0	80	3641	10419	2	1	97	0	0
0	0	343296	21689696	2290104	6897180	0	0	0	14	4108	12605	3	2	95	0	0
0	0	343296	21689900	2290104	6897184	0	0	0	60	2688	7270	2	1	97	0	0













# Observability Hype

# Monitoring





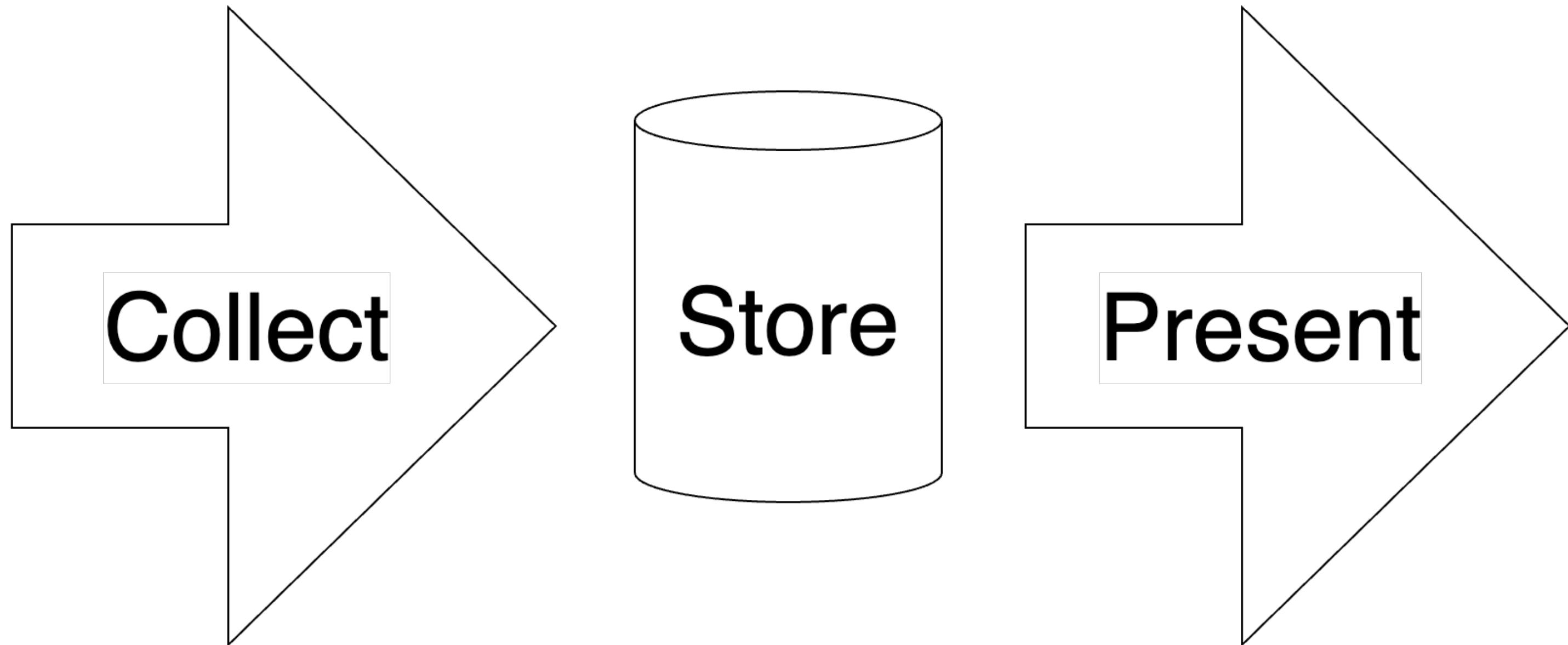


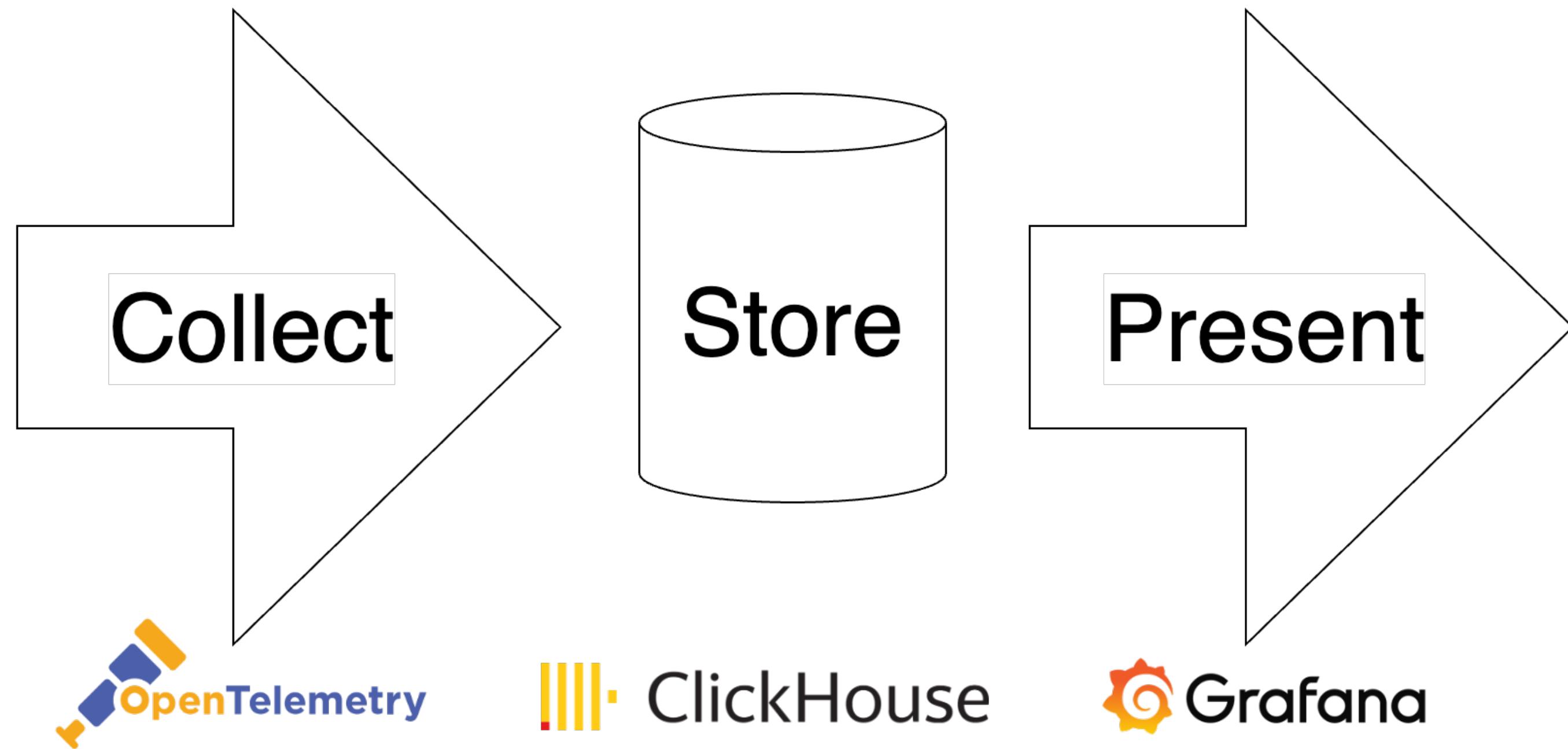
able

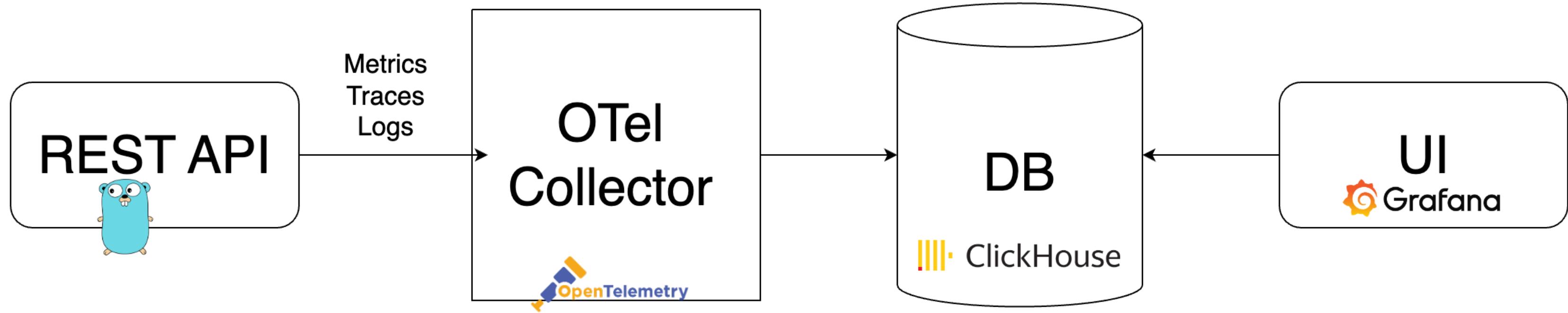
Escalable

Adaptable

Confiable









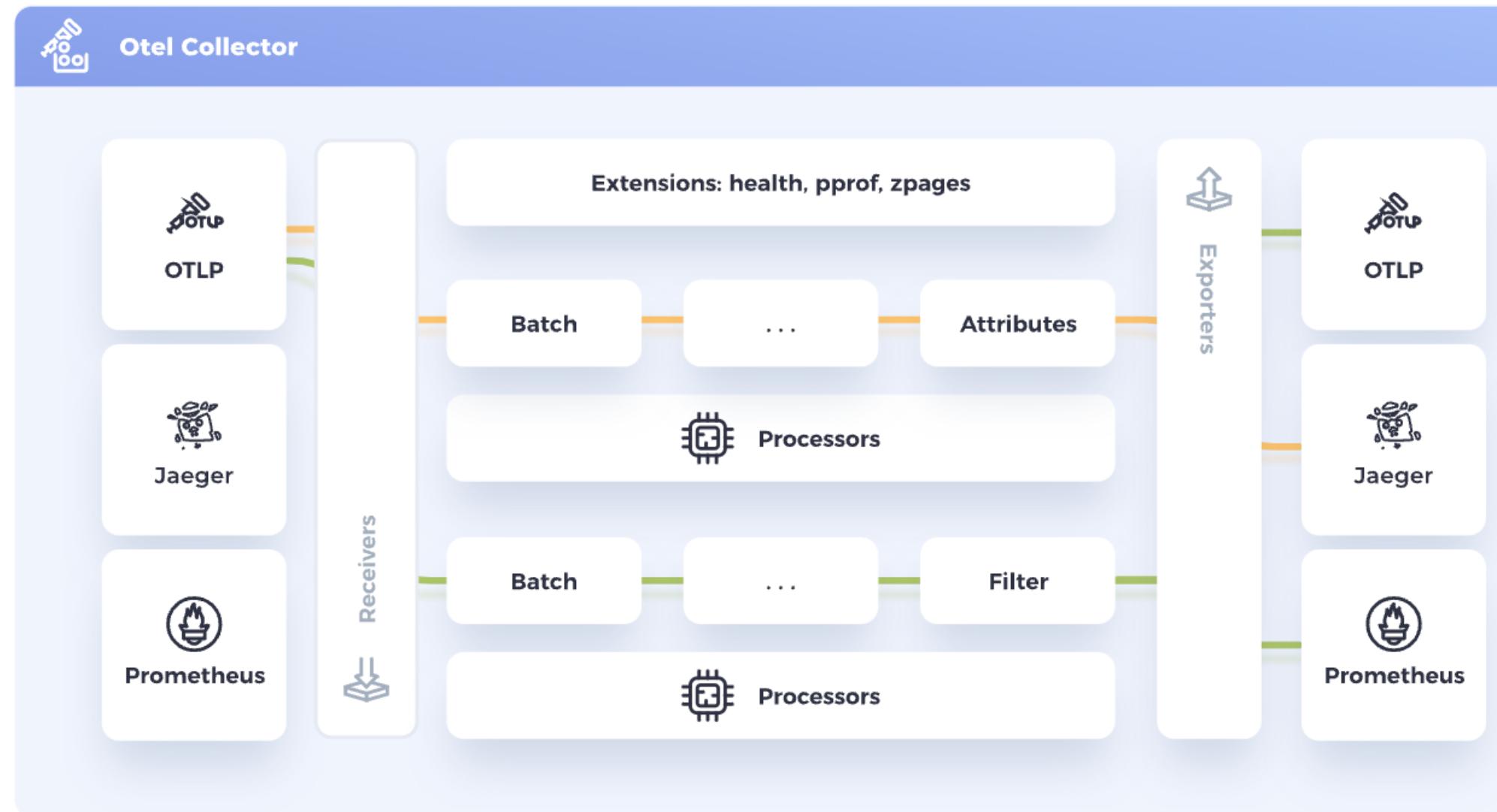


# ¿Por qué OpenTelemetry?

- Universal (Standard)
- API & SDKs
- Herramientas (Collector)



# OTel Collector





# ClickHouse



# Real Time Analytics DB

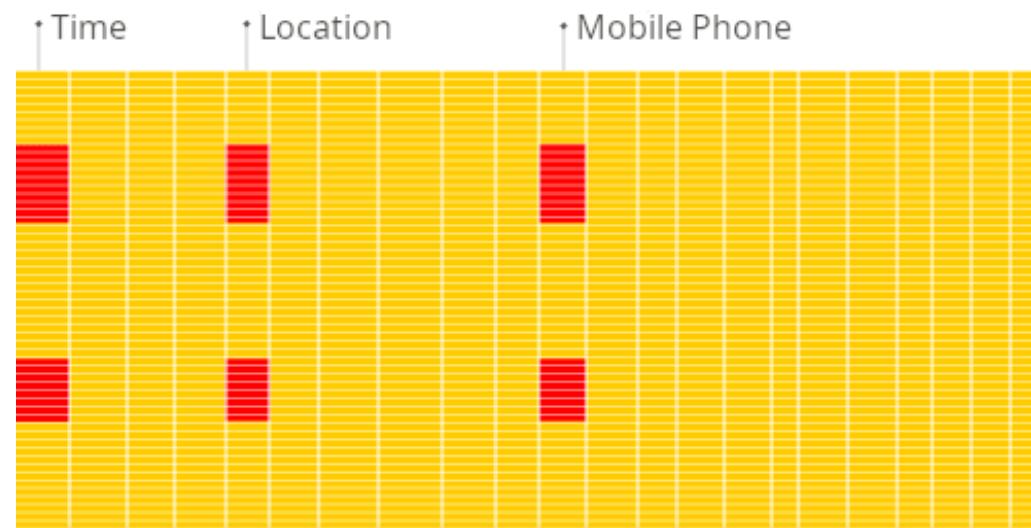
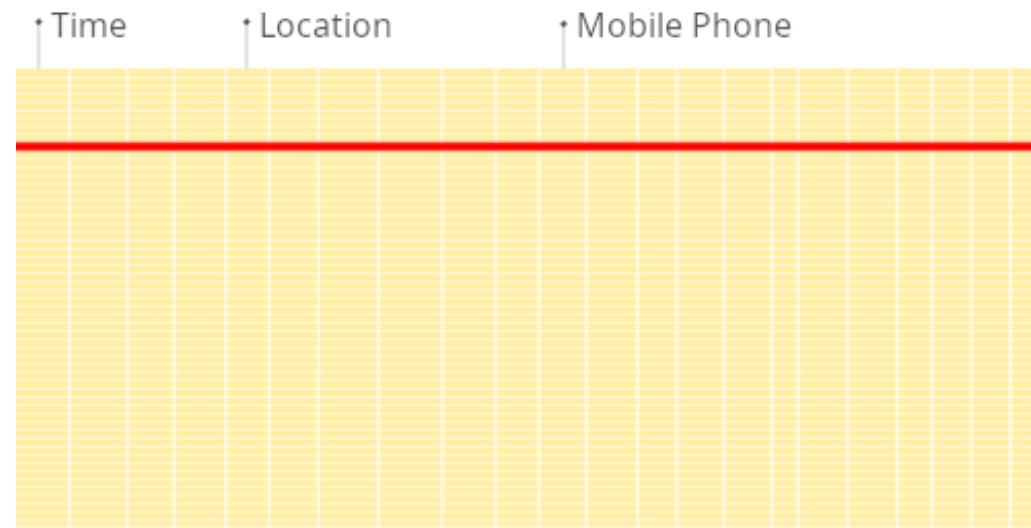
Query **billions** of rows  
in milliseconds

ClickHouse is the fastest and most resource efficient open-source database for real-time apps and analytics.



# ¿Por qué ClickHouse?

- SQL
- Metal & Cloud
- Orientada a Columnas
- Escalabilidad (PB)



```
CREATE TABLE helloworld.my_first_table
(
    user_id UInt32,
    message String,
    timestamp DateTime,
    metric Float32
)
ENGINE = MergeTree()
PRIMARY KEY (user_id, timestamp)

INSERT INTO helloworld.my_first_table (user_id, message, timestamp, metric) VALUES
(101, 'Hello, ClickHouse!', now(), -1.0 ),
(102, 'Insert a lot of rows per batch', yesterday(), 1.41421 ),
(102, 'Sort your data based on your commonly-used queries', today(), 2.718 ),
(101, 'Granules are the smallest chunks of data read', now() + 5, 3.14159 )

SELECT * FROM helloworld.my_first_table
```



# Grafana



# ¿Por qué Grafana?

- Simple
- Orientada a series de eventos
- Data sources
- Plugins

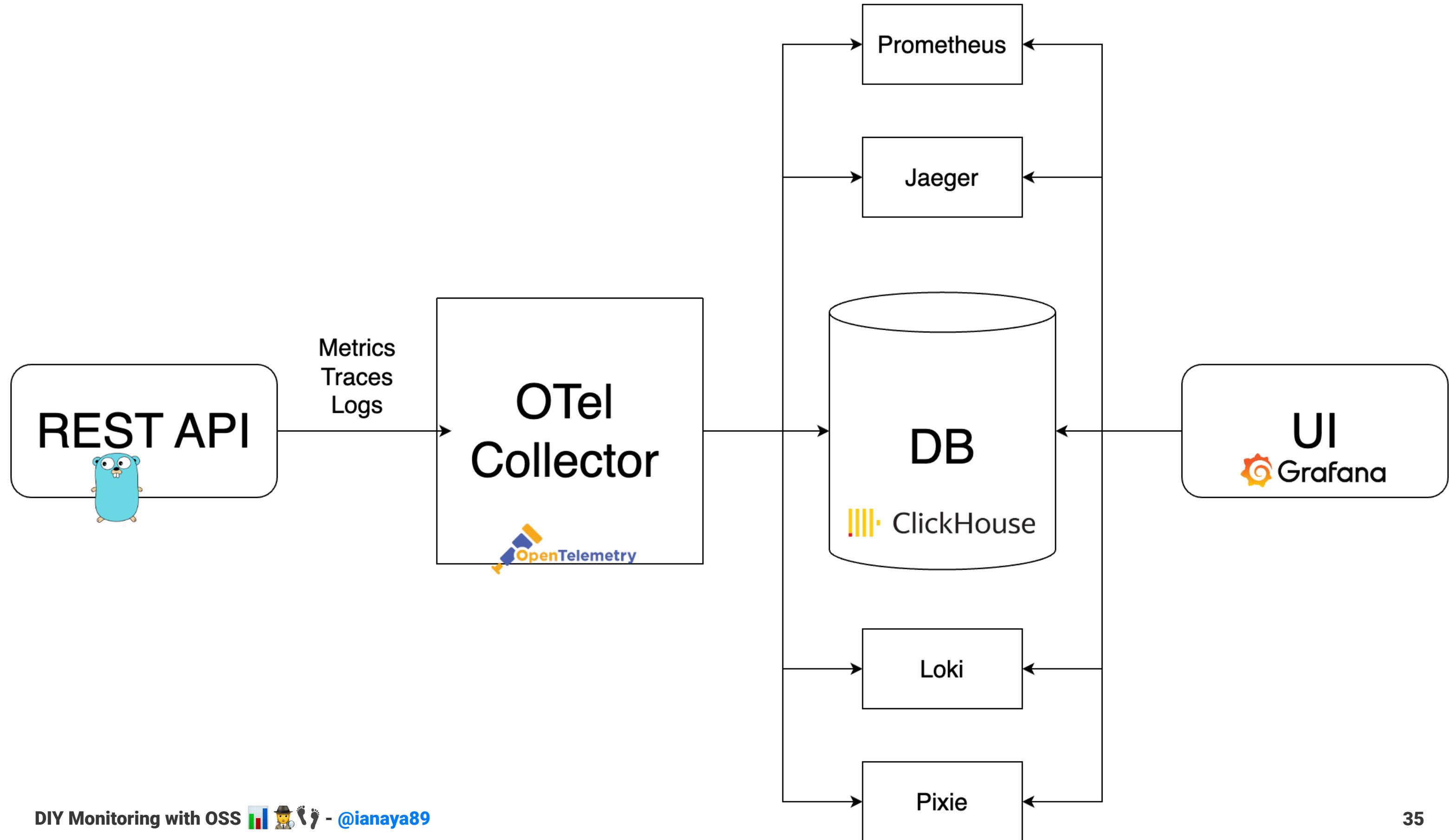






# Demo

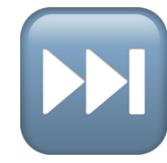








[github.com/ianaya89/diy-monitoring](https://github.com/ianaya89/diy-monitoring)



# opentelemetry-demo

# 💪 building-a-logging-platform-with-clickhouse-and-saving-millions-over-datadog



altinity.cloud



[github.com/altinity/terraform-eks-clickhouse](https://github.com/altinity/terraform-eks-clickhouse)

👏 Gracias!

👉 Preguntas?

🐦 @ianaya89