



Infrastructure Monitoring

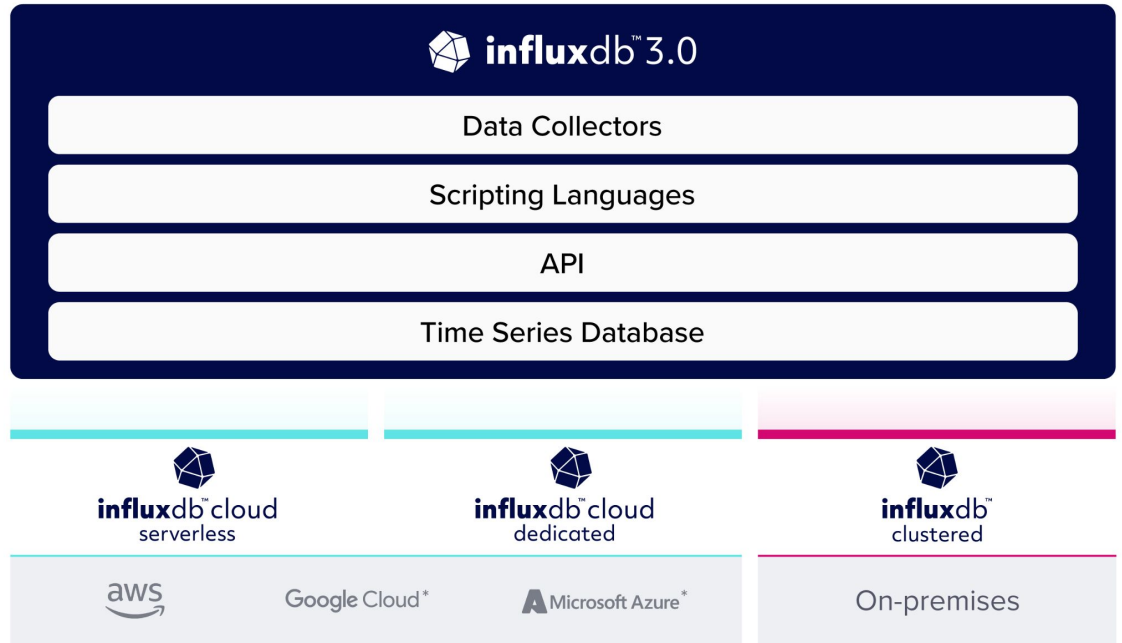


Agenda

- InfluxDB Overview
- Use Cases
- Demo

What is InfluxDB?

Database & platform for handling time series data at massive scale



* Availability to be announced

InfluxDB v3.0 Overview

InfluxDB v3.0 is the new database & storage engine launched in 2023, and forms the new core of the platform itself

Fast time series platform with built-in analytics



**One data store
for metrics,
events & traces**

**Faster time to
learning and
insights**



**Designed to
deliver
sub-second
query responses**

**Deliver awesome
end user
experiences**



**Keep data
forever on
low-cost object
store**

**Lower overall
costs of
ownership (TCO)**



**Faster Time to
Awesome® with
SQL, InfluxQL**

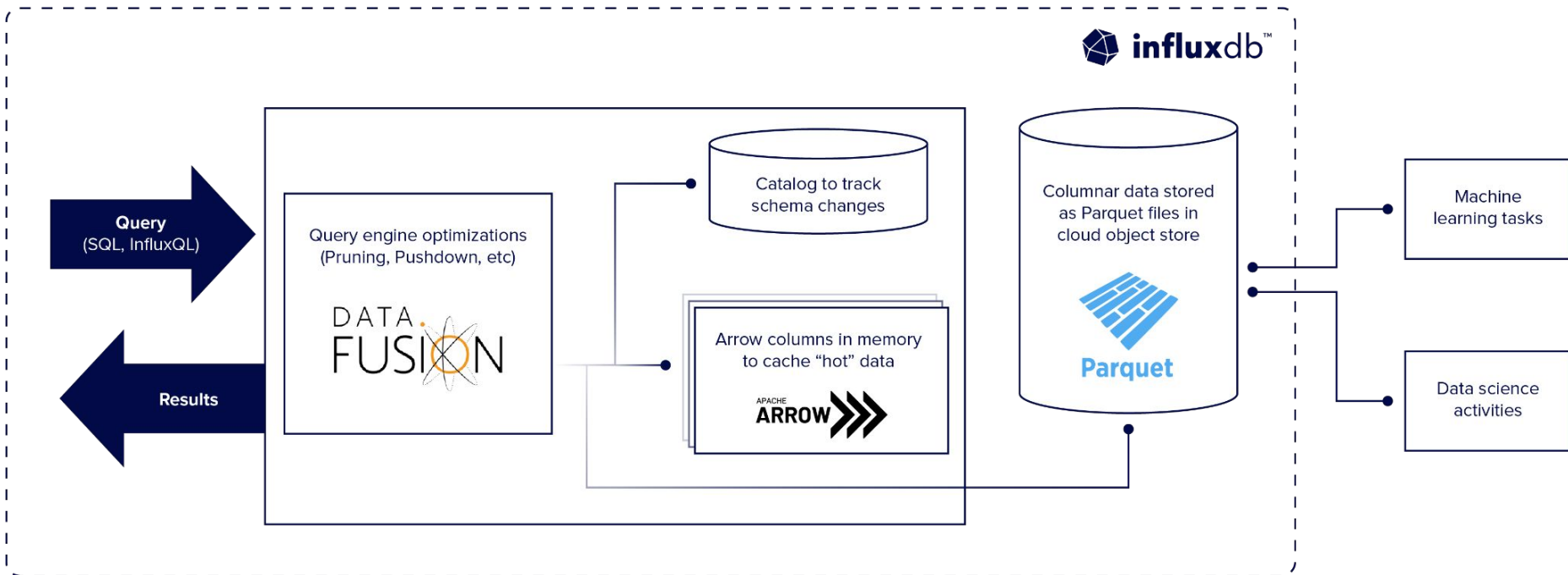
**Improve
developer
productivity**



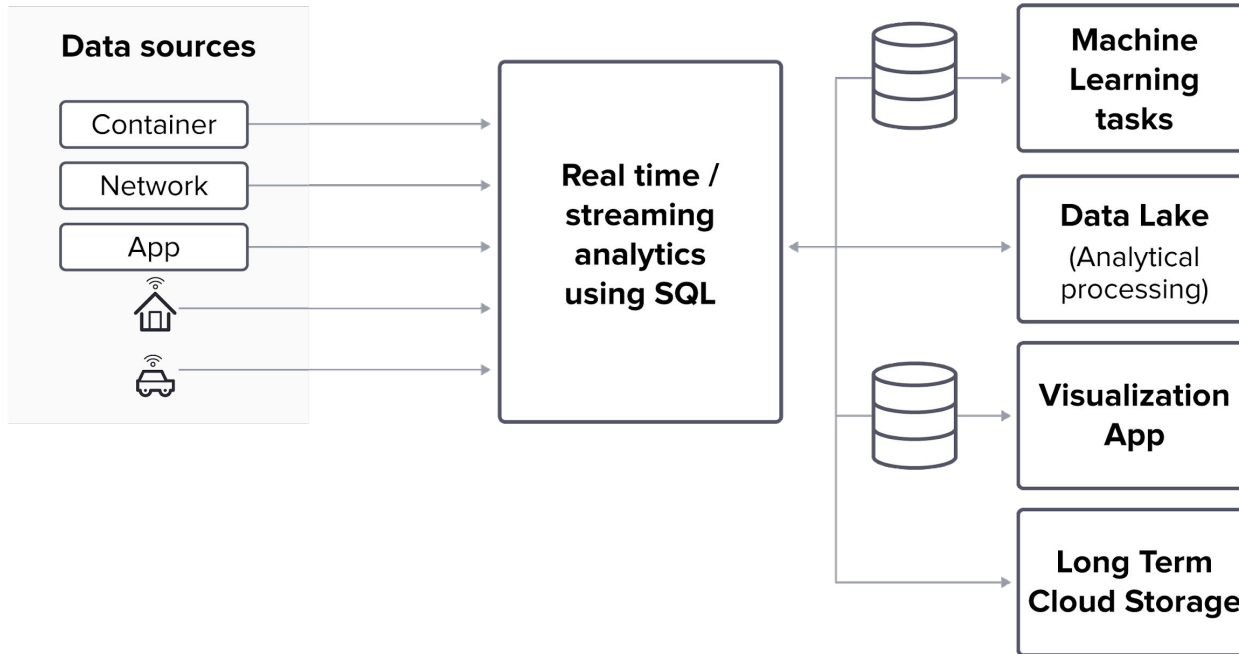
**Open &
Interoperable
with Data
Ecosystem**

**Improve data
efficiency**

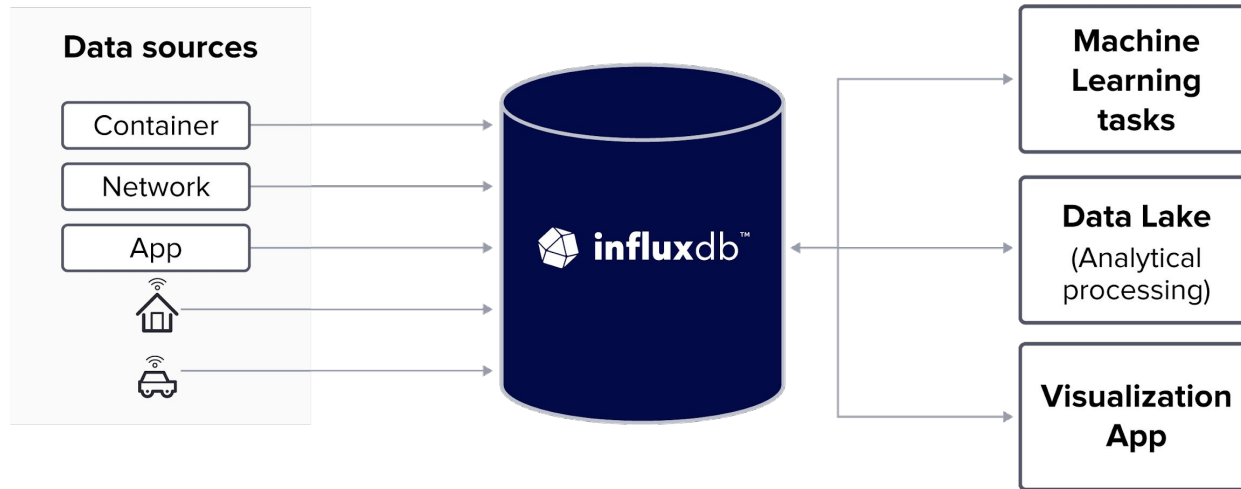
InfluxDB 3.0: Open architecture for interoperability



Replace this big problem...



InfluxDB: Fast real time analytics database that is open & interoperable with data ecosystem



- ✓ Optimized for recent high volume time series data
- ✓ Built for lowest cost long term storage

Infrastructure Monitoring

Value Proposition Pillars

Quality

Efficiency

**Anomaly
Detection**

**Process
Optimization**

**Cost
Reduction**

Purpose-built Time Series Platform

Solving Network & Systems Monitoring

Scale

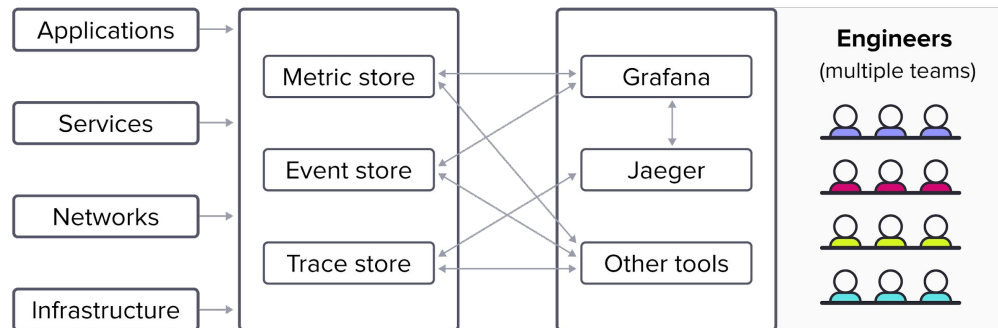
- Extremely hard to ingest, transform, analyze and act on large volumes of time series data efficiently.

Performance

- System must respond quickly to a high volume of “needle in a haystack” analytical queries on live incoming time series data.

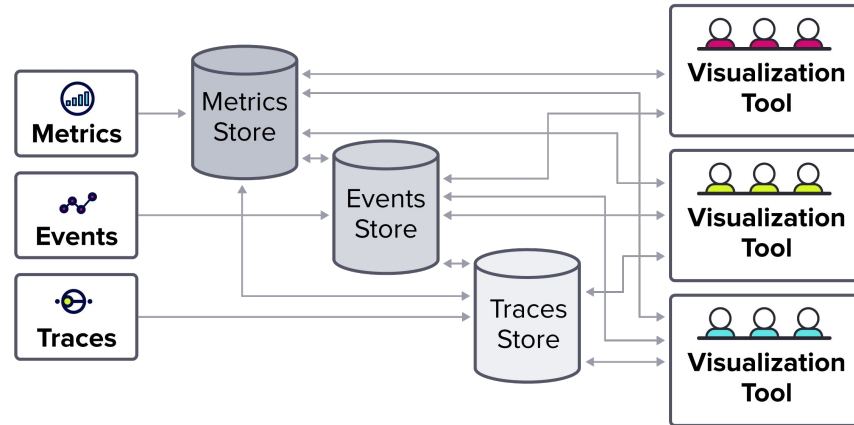
Management

- Time based properties and ephemeral nature of data introduce complexities around it's retention, indexing and lifecycle management.

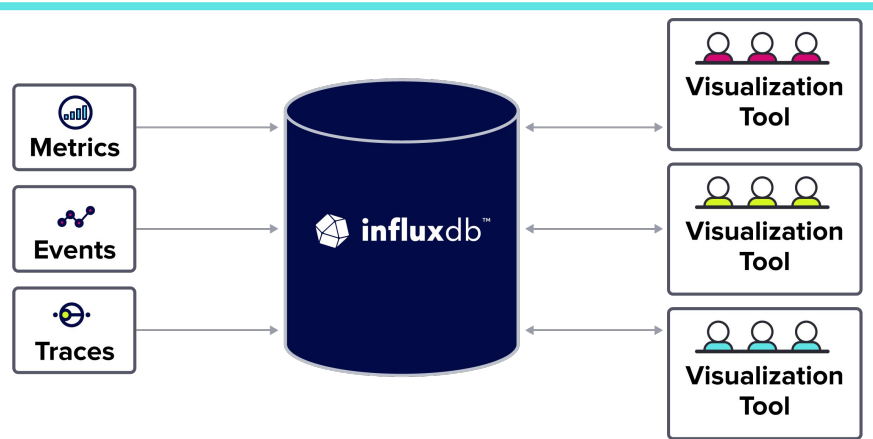


Problem:

- Multiple tools
- Multiple datastores



Solution:

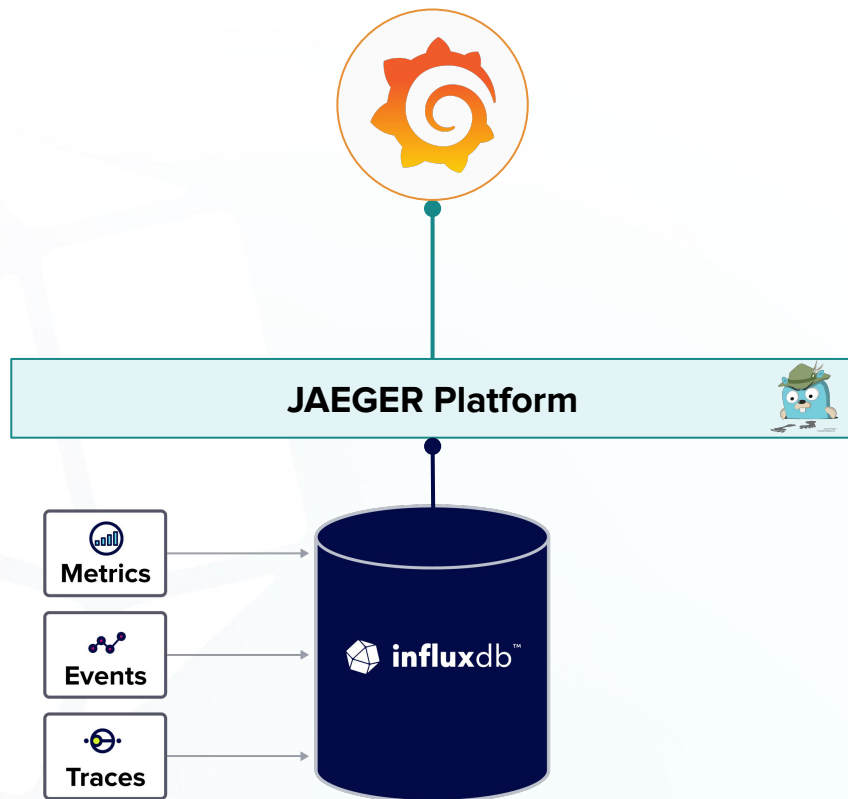


Jaeger Compatible

Jaeger: open source, distributed tracing platform. (Originally built by Uber)

InfluxDB 3.0 is a compatible remote backend store for Jaeger. This means InfluxDB can be bolted to your current trace infrastructure.

<https://killercoda.com/influxdata/course/demos/otel>





STAR WARS THE MANDALORIAN



Disney

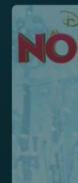
PIXAR

MARVEL

STAR WARS

NATIONAL GEOGRAPHIC

Originals

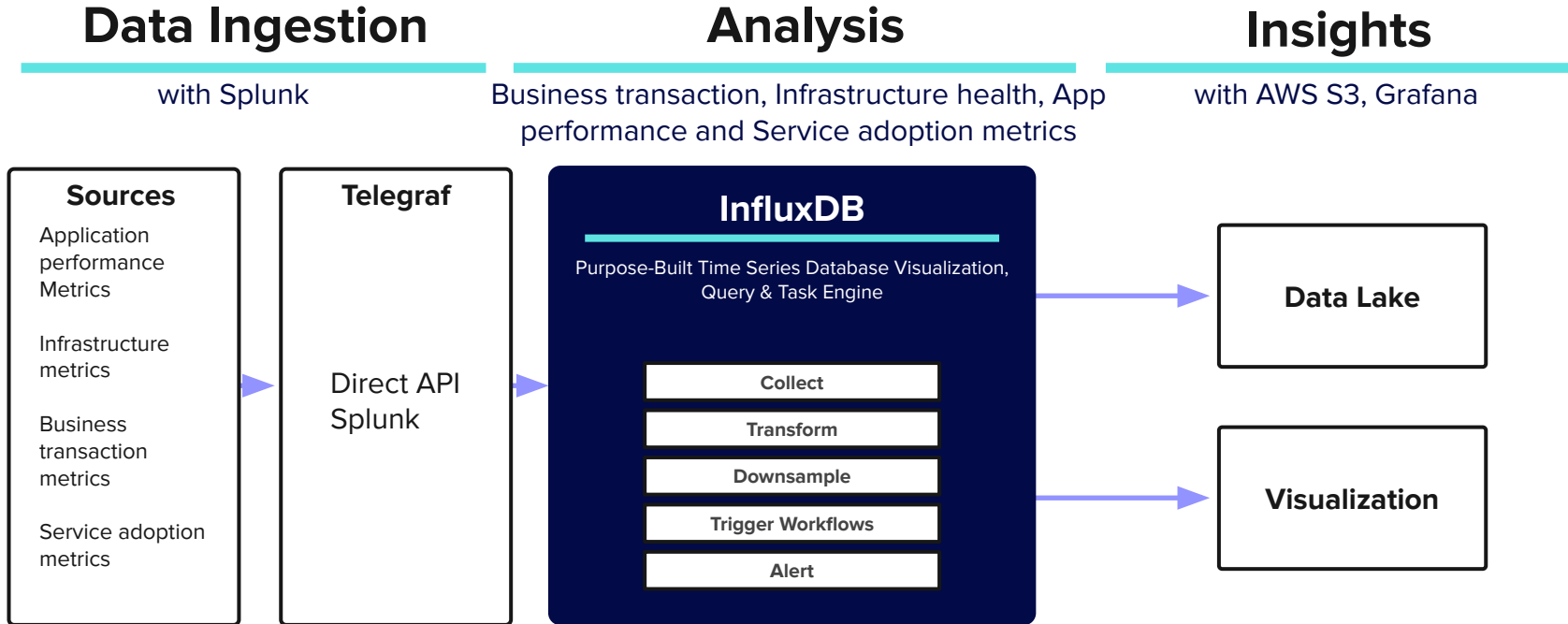




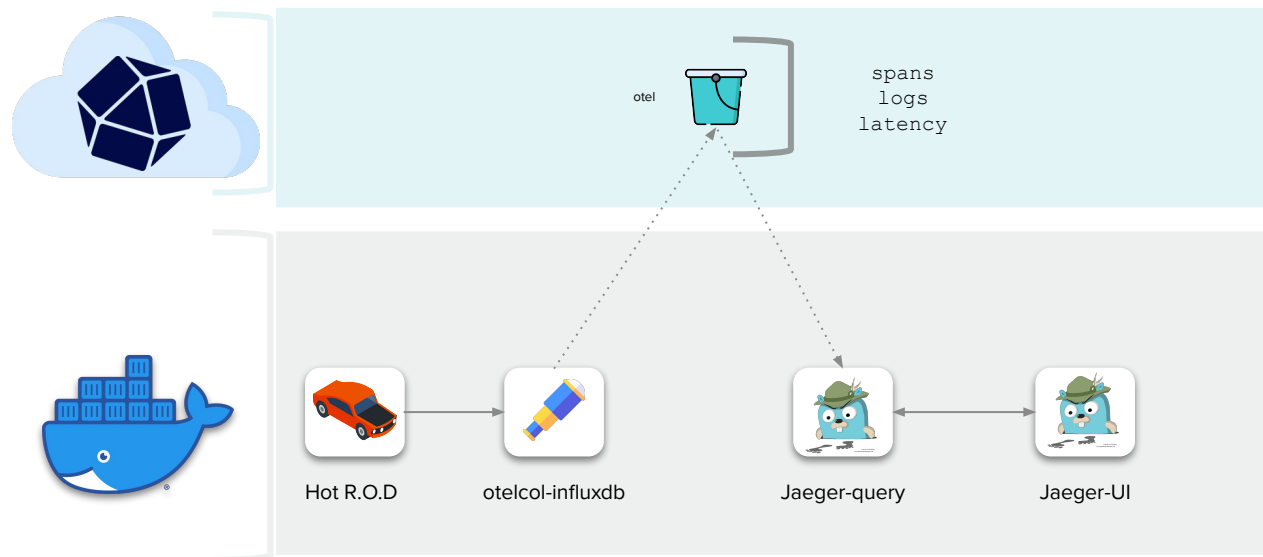
CapitalOne



Reference Architecture – Capital One with InfluxData



Demo - Open Telemetry



<https://github.com/influxdata/influxdb-observability>

- Aims to provide a standard for converting **OTEL** -> **InfluxDB Schema** and **InfluxDB Schema** -> **OTEL**
- Parts of **otelcol-influxdb** can be replaced with **Telegraf**

Useful Links

[InfluxDB 3.0](#)

[Request a Proof of Concept](#)

[Demo Link](#)

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