# Kron Telemetry Pipeline

Vendor-neutral telemetry  pipeline for high-volume infrastructure events

Kron Telemetry Pipeline enables organizations to manage their real-time big streams, mitigates vendor lock-in, and assists in breaking down data silos.

## The Challenge

The volume of log data is increasing at an unprecedented rate. Infrastructure and security operation teams are continuously expanding their data sources to gain a comprehensive view of both on-premises and cloud infrastructures. For deeper insights and actionable intelligence, it's essential to send the same data to multiple tools and endpoints without the need to install a new agent for each tool. Furthermore, the demand for extended data retention is growing, driven by regulatory mandates and potential forensic evaluations.

However, the influx of log data can drive up infrastructure and licensing costs, primarily because of the noise created by logs from various infrastructure domains.

## Kron Telemetry Pipeline Product

Kron Telemetry Pipeline simplifies communication between multiple sources and destinations, enabling you to manage your data effectively and optimize observability tasks. With our telemetry pipeline, you can easily route data from a single source to multiple destinations, such as SIEM and log management tools. Data can be processed and reshaped to meet the needs of each destination as it flows through the pipelines. These modifications can include tasks such as parsing, reformatting, enriching, and masking PII (Personally Identifiable Information), or simply filtering out noisy data to manage infrastructure and licensing costs more efficiently.

## Key Features

**Data Collection:** Collect, transform, and route your streaming observability and security data.

**Data Restructuring:** Restructure the log data to ensure it is directed to the desired destination in the correct format.
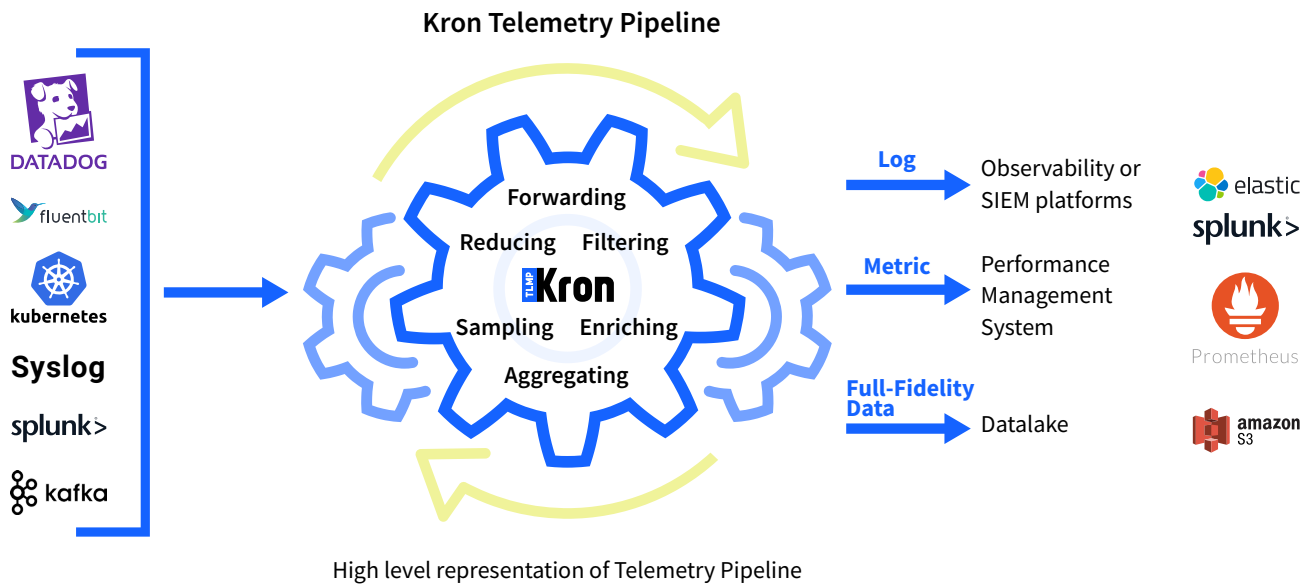
**Data Enrichment:** Add contextual information to increase the data value.

**Data Rehydration:** Rehydrate your log data from low-cost object storage.

**Central Management:** Manage distributed pipelines from a single control plane.

**Pipeline Monitoring:** Observe vital metrics and gain visibility into each pipeline component

**Drag-and-drop UI:** Intuitively design data pipelines and seamlessly add sources and destinations.

**Kron Telemetry Pipeline**



DATADOG
fluentbit
kubernetes
Syslog
splunk>
kafka

Forwarding
Reducing    Filtering
Kron
Sampling    Enriching
Aggregating

Log → Observability or SIEM platforms

Metric → Performance Management System

Full-Fidelity Data → Datalake

elastic
splunk>
Prometheus
amazon S3

High level representation of Telemetry Pipeline

## Break down data silos by decoupling sources from destinations

Forward multiple data sources to various destinations without the need for additional agents. Efficiently send noise-free and transformed data to the appropriate destinations while routing raw data to cost-effective long-term storage like S3. Retain a full-fidelity copy in a low-cost data lake for later rehydration when needed.

## Control your cost by eliminating low value data

Reduce up to 50% of streaming log volume for cost control and performance improvement purposes. Remove duplicate fields, null values, and any insignificant elements by configuring with low-code interface. Apply sampling to discard repetitive events, or deduplicate logs to reduce ingested volume.

## Enrich your log data with context information

Enhance streaming logs with contextual data to improve visibility on observability platforms. Adding threat intelligence information helps SIEM tools for root-cause analysis or threat hunting. Data-in-motion enrichment reduces the post-processing overhead for destination tools.

## Simplifying log management and enhancing observability

Large enterprises are grappling with the management of log volumes as they modernize their IT environments with technologies like containerization, demanding better observability. Kron DSP Telemetry Pipeline is a purpose-built observability pipeline solution covering on-prem and cloud platforms prioritizing cost-efficiency and performance.