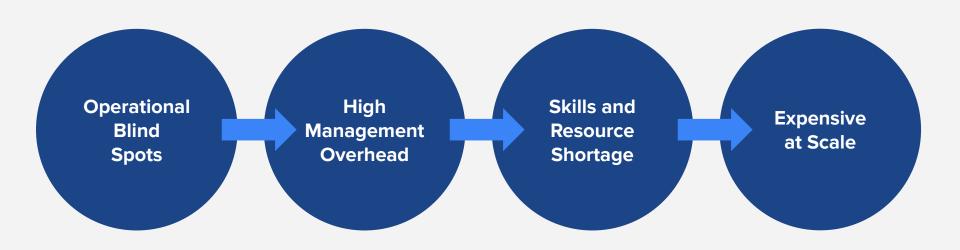# ACCELDATA'S DATA OBSERVABILITY FOR KAFKA

September 20, 2022

acceldata

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# Kafka is complex

Kafka is an increasingly critical component of the modern data stack, yet organizations struggle to operate Kafka reliably and cost effectively.

Operational Blind Spots → High Management Overhead → Skills and Resource Shortage → Expensive at Scale

# Data observability eliminates Kafka complexity

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Eliminate blind spots to save time, improve performance & reliability, and lower costs

### Scale
Identify and eliminate performance bottlenecks

### Optimize
Improve resource efficiency to reduce infrastructure costs

### Trust
Deliver reliable & high quality data on time, every time

# Acceldata Data observability for kafka

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| Comprehensive Visibility | Rich Analytics | Seamless Automation |
|---|---|---|

## Eliminate blind spots in data, reliability, performance and resources

- **Data:** Data profiling, data quality, schema drift, data drift and anomaly detection. Data reconciliation to/from Kafka and RDBMS, data lakes, data warehouses, applications and more.

- **Platform:** Throughput, consumer lag, topic distribution, rebalance events, partition skewness and other metrics for topics, brokers and consumers.

- **Infrastructure:** Broker load, disk wait, kernel error detection and more. Support for multi-cluster environments

## Gain insights to optimize performance, quality and efficiency

- **Historical analysis & trending:** Predict and prevent data and performance issues. Benchmark, track, and optimize reliability & performance.

- **Best practices:** Recommendations for data quality rules, data distribution, capacity planning, skewness analysis and more.

- **Ad-hoc analysis:** Slice-n-dice across metrics and create custom visualizations and dashboards.

## Minimize disruption and latency with faster mean time to resolution

- **Notifications & incident management:** Highly customisable alerting, pluggable on multi-channel notifications, and incident management

- **Orchestration:** Integrate with our SDK and APIs. Data validation windowing and replay is supported.

- **Auto-remediation:** Out-of-the-box runbooks to self-heal such as topic rebalancing etc. along with support to integrate custom runbooks.