

# Vehicle Data Delivery via KAFKA

Key benefits & step-by-step instruction for integration



# Kafka is an alternative delivery method for data

Kafka offers a robust alternative for streaming vehicle data. Its key benefits:

## **Real-Time Data Streaming:**

Kafka facilitates real-time data streaming, enabling instant processing and analysis of continuous data flows.

## **High Throughput and Fault Tolerance**

Kafka supports high throughput and fault tolerance to ensure reliable data delivery and system resilience.

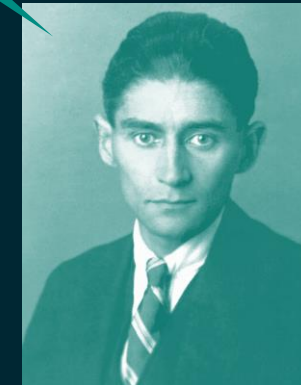
## **Scalable Decoupled Architectures**

Kafka enables decoupled architectures, allowing independent scaling and efficient handling of large data volumes.

## **Ideal for Event-Driven Applications**

Kafka's low latency makes it perfect for event-driven applications requiring fast and reliable data processing.

KAFKA?



Apache Kafka is indeed named after Franz Kafka. One of the original creators chose the name because he admired Kafka's work and thought it was a fitting name for a system focused on writing and processing streams of messages.

# How it works: Step-by-Step Kafka Integration



## Kafka in Fleet Interface Data:

Kafka integration involves several key steps. First, Fleet Interface producers publish messages to designated Kafka topics. Kafka brokers then manage and distribute these messages across partitions. Consumers subscribe to relevant topics and process the incoming data.

- 1 Dedicated Topic** – We set up a Kafka topic exclusively for your organization.
- 2 Secure Access Details** – You receive all the necessary connection information (broker address, topic name, authentication credentials) to get started.
- 3 Continuous Publishing** – As vehicle data is processed, it is immediately published into your topic so it's always up to date.
- 4 Flexible Consumption** – Your systems connect using standard Kafka client libraries, allowing you to integrate the data into your applications in the way that works best for you.
- 5 Reliable Delivery** – If your systems are temporarily unavailable, you won't lose data. Kafka allows you to pick up exactly where you left off once you reconnect.

# What You'll Receive and What You'll Need

## We will provide you with:

- Kafka broker connection details
- Authentication credentials
- Your dedicated topic name(s)

## You will need:

- A Kafka client library in your language of choice (Java, Python, Go, Node.js, etc.)
- Simple configuration to connect and subscribe to your topic



## QUESTIONS?

Get in touch with us.

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Thank you!

