

KafkaParserConfig

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Kind: Interface**Source:** `packages/microservices/interfaces/microservice-configuration.interface.ts`**Part of:** [Microservices](#)

`KafkaParserConfig` defines parser behavior for Kafka message payloads within the microservices configuration layer. Its `keepBinary` flag controls whether incoming Kafka values remain in their binary form instead of being converted during parsing.

Properties

Property	Type
<code>keepBinary</code>	<code>boolean</code>

Diagram

```
graph LR
  A[Kafka Consumer] --> B[Kafka Message Value]
  B --> C[KafkaParserConfig]
  C -->|keepBinary: true| D[Preserve Binary Payload]
  C -->|keepBinary: false| E[Parse/Convert Payload]
  D --> F[Microservice Handler]
  E --> F
```

Usage

```
import type { KafkaParserConfig } from './interfaces/microservice-configuration.interface';

const parserConfig: KafkaParserConfig = {
  keepBinary: true,
};
```

```
// Use this when configuring a Kafka consumer/parser that must receive
// raw Buffer payloads, such as protobuf, Avro, or encrypted messages.
```

AI Coding Instructions

- Set `keepBinary: true` when handlers need access to the raw Kafka `Buffer` payload.
- Use `keepBinary: false` when message values should be parsed or converted before reaching application handlers.
- Ensure downstream handlers match the configured payload type; binary payloads should not be treated as JSON strings without decoding.
- Keep this configuration aligned with the message serializer and deserializer used by Kafka producers and consumers.