

KafkaJSTopicMetadataNotLoadedMetadata

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Kind: Interface

Source: `packages/microservices/external/kafka.interface.ts`

Part of: [Microservices](#)

`KafkaJSTopicMetadataNotLoadedMetadata` identifies a Kafka topic whose metadata has not yet been loaded by the KafkaJS integration. It is used as lightweight context for metadata-loading errors, retries, or diagnostic logging within the microservices Kafka transport layer.

Properties

Property	Type
<code>topic</code>	<code>string</code>

Diagram

```
graph LR
  A[Kafka Client Operation] --> B{Topic metadata loaded?}
  B -->|Yes| C[Use topic metadata]
  B -->|No| D[KafkaJSTopicMetadataNotLoadedMetadata]
  D --> E[topic: string]
  D --> F[Error handling, retry, or logging]
```

Usage

```
import type { KafkaJSTopicMetadataNotLoadedMetadata } from './kafka.interface';

function reportMissingTopicMetadata(
  metadata: KafkaJSTopicMetadataNotLoadedMetadata,
): void {
```

```
console.warn(  
  `Kafka metadata has not been loaded for topic: ${metadata.topic}`,  
);  
}  
  
const missingMetadata: KafkaJSTopicMetadataNotLoadedMetadata = {  
  topic: 'orders.created',  
};  
  
reportMissingTopicMetadata(missingMetadata);
```

AI Coding Instructions

- Provide a non-empty Kafka topic name through the required `topic` field.
- Use this interface only for contexts where topic metadata is unavailable or not yet initialized.
- Preserve the exact topic name used by Kafka; avoid transforming or normalizing it before logging or error reporting.
- Integrate instances with KafkaJS metadata lookup, retry, and diagnostic error-handling paths.