

KafkaJSConnectionErrorMetadata

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Kind: Interface

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

Part of: [Microservices](#)

`KafkaJSConnectionErrorMetadata` describes connection-specific metadata reported when a KafkaJS broker connection fails. It identifies the affected broker endpoint and the associated Kafka error code, allowing microservice error handling and logging to provide actionable diagnostics.

Properties

Property	Type
<code>broker</code>	<code>string</code>
<code>code</code>	<code>string</code>

Diagram

```
graph LR
  A[KafkaJS broker connection attempt] --> B{Connection error}
  B --> C[KafkaJSConnectionErrorMetadata]
  C --> D[broker: string]
  C --> E[code: string]
  C --> F[Logging / retry / error handling]
```

Usage

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

function logKafkaConnectionError(
  metadata: KafkaJSConnectionErrorMetadata,
```

```
); void {  
  console.error(  
    `Kafka connection failed for broker ${metadata.broker} (${metadata.code})`,  
  );  
}  
  
const connectionError: KafkaJSConnectionErrorMetadata = {  
  broker: 'localhost:9092',  
  code: 'ECONNREFUSED',  
};  
  
logKafkaConnectionError(connectionError);
```

AI Coding Instructions

- Always provide both `broker` and `code` when creating this metadata object.
- Use the broker value to identify the exact Kafka endpoint, typically in `host:port` format.
- Preserve the original KafkaJS or Node.js connection error code where possible; do not replace it with a generic message.
- Integrate this metadata into structured logs, retry decisions, and exception diagnostics.
- Avoid storing credentials or sensitive connection details in the `broker` field.