



MICROSERVICES

BrokerMetadata

Kind: Interface

VERSION
47

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DOCUMENT
reference-subsystem-packages-microservices/interface-brokermetadata

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Kind: Interface

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

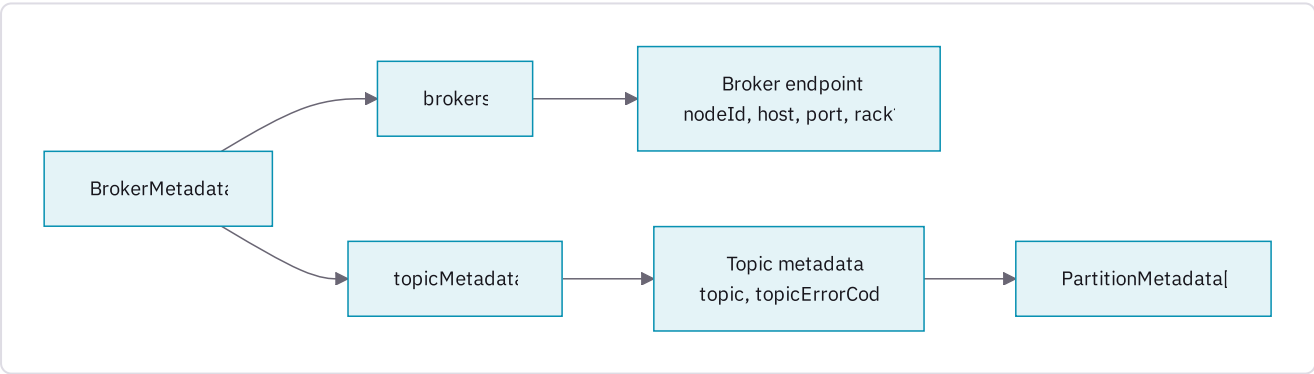
Part of: [Microservices](#)

`BrokerMetadata` represents Kafka cluster metadata returned by the microservices Kafka transport layer. It combines the list of available brokers with per-topic and per-partition metadata, allowing clients to discover broker endpoints and topic partition status.

1 Properties

Property	Type
<code>brokers</code>	<code>Array<{ nodeId: number; host: string; port: number; rack?: string }></code>
<code>topicMetadata</code>	<code>Array<{ topicErrorCode: number; topic: string; partitionMetadata: PartitionMetadata[]; }></code>

2 Diagram



3 Usage

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

function logClusterMetadata(metadata: BrokerMetadata): void {
  for (const broker of metadata.brokers) {
    console.log(
      `Broker ${broker.nodeId} is available at ${broker.host}:${broker.port}`,
    );
  }

  for (const topicMetadata of metadata.topicMetadata) {
    if (topicMetadata.topicErrorCode !== 0) {
```