

LogEntry

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Kind: Interface

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

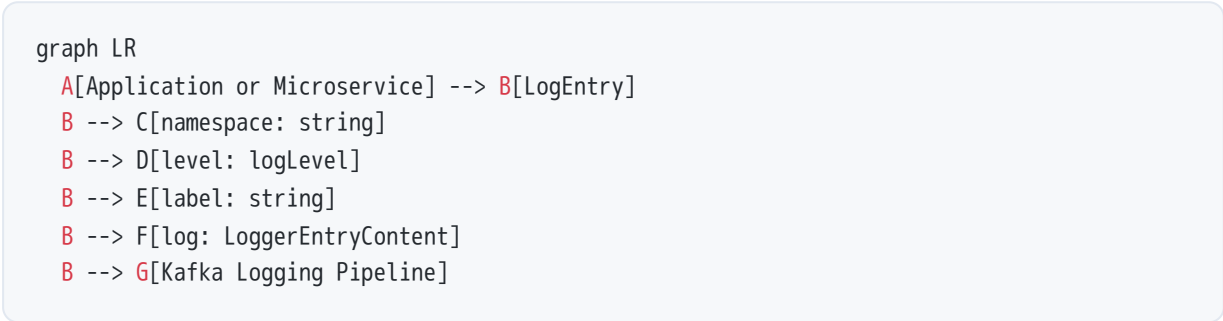
Part of: [Microservices](#)

`LogEntry` defines the structured payload used to represent a log message in the Kafka microservices integration. It combines routing and classification metadata (`namespace` , `level` , and `label`) with the actual logger content in `log` , enabling consistent log publishing and consumption across services.

Properties

Property	Type
<code>namespace</code>	<code>string</code>
<code>level</code>	<code>LogLevel</code>
<code>label</code>	<code>string</code>
<code>log</code>	<code>LoggerEntryContent</code>

Diagram



Usage

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

const logEntry: LogEntry = {
  namespace: 'payments-service',
  level: 'error',
  label: 'payment-processing',
  log: {
    message: 'Failed to process payment',
    transactionId: 'txn_12345',
    error: 'Card authorization declined',
  },
};

// Example: send the structured entry through a Kafka producer.
await kafkaProducer.send({
  topic: 'service-logs',
  messages: [{ value: JSON.stringify(logEntry) }],
});
```

AI Coding Instructions

- Populate `namespace` with a stable service or application identifier so consumers can filter logs reliably.
- Use valid `logLevel` values rather than arbitrary strings when setting `level`.
- Keep `label` concise and action-oriented, such as `database-query` or `payment-processing`.
- Store structured context in `log` instead of serializing important metadata into a message string.
- Preserve the full `LogEntry` shape when publishing to or consuming from Kafka topics.