

IResourceConfigEntry

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Kind: Interface

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

Part of: [Microservices](#)

`IResourceConfigEntry` represents a single Kafka resource configuration property as a name/value pair. It is used when defining or reading resource-level settings, such as topic, broker, or consumer configuration entries.

Properties

Property	Type
<code>name</code>	<code>string</code>
<code>value</code>	<code>string</code>

Diagram

```
graph LR
    Config[IResourceConfigEntry] --> Name[Name[name: string]]
    Config --> Value[Value[value: string]]
    Config --> Kafka[Kafka[Kafka resource configuration]]
```

Usage

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

const topicConfig: IResourceConfigEntry = {
  name: 'retention.ms',
  value: '604800000',
};
```

```
// Example: include the entry in a Kafka topic configuration request
const resourceConfig: IResourceConfigEntry[] = [
  topicConfig,
  {
    name: 'cleanup.policy',
    value: 'delete',
  },
];
```

AI Coding Instructions

- Use `name` for the exact Kafka configuration key, such as `retention.ms` or `cleanup.policy`.
- Store configuration values as strings, even when the underlying Kafka setting represents a number or boolean.
- Prefer typed `IResourceConfigEntry[]` collections when passing multiple resource settings to Kafka administration APIs.
- Do not add extra fields to configuration entries; consumers expect only `name` and `value`.
- Validate Kafka-specific configuration names and allowed values before submitting changes to a broker or topic.