

AdminConfig

August 18, 2026

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Kind: Interface**Source:** `packages/microservices/external/kafka.interface.ts`**Part of:** [Microservices](#)

`AdminConfig` defines configuration options for the Kafka admin client integration. It currently exposes retry behavior through `RetryOptions`, allowing administrative Kafka operations to handle transient failures consistently.

Properties

Property	Type
<code>retry</code>	<code>RetryOptions</code>

Diagram

```
graph LR
  AdminConfig[AdminConfig] -->|retry: RetryOptions| Retry[Retry]
  Retry --> AdminClient[Admin Client Operations]
  AdminClient --> KafkaCluster[Kafka Cluster]
```

Usage

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

const adminConfig: AdminConfig = {
  retry: {
    retries: 5,
    initialRetryTime: 300,
    maxRetryTime: 30_000,
  },
};
```

```
// Pass the configuration when creating or configuring Kafka admin services.  
const kafkaOptions = {  
  admin: adminConfig,  
};
```

AI Coding Instructions

- Provide a valid `RetryOptions` object for `retry` ; do not omit it when constructing an `AdminConfig` .
- Keep retry values appropriate for Kafka administrative operations, which may fail temporarily during broker elections or network interruptions.
- Reuse the project's existing retry configuration conventions instead of introducing incompatible option names.
- Ensure values passed to `retry` match the `RetryOptions` type expected by the Kafka integration.