

OauthbearerProviderResponse

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Kind: Interface

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

Part of: [Microservices](#)

`OauthbearerProviderResponse` defines the response returned by an OAuth bearer token provider for Kafka authentication. It contains the bearer token value that Kafka clients use when establishing authenticated connections to a broker.

Properties

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

Diagram

```
graph LR
    Provider[OAuth Bearer Token Provider] --> Response[OauthbearerProviderResponse]
    Response --> Token[Token[value: string]]
    Token --> KafkaClient[Kafka Client Authentication]
    KafkaClient --> Broker[Broker[Kafka Broker]]
```

Usage

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

async function getKafkaOAuthToken(): Promise<OauthbearerProviderResponse> {
  const accessToken = await fetchAccessTokenFromIdentityProvider();

  return {
    value: accessToken,
  };
};
```

```
}

async function fetchAccessTokenFromIdentityProvider(): Promise<string> {
  // Replace with your identity provider integration.
  return process.env.KAFKA_OAUTH_TOKEN ?? '';
}
```

AI Coding Instructions

- Return an object with a `value` property containing the OAuth bearer token string.
- Keep token acquisition logic separate from the response shape; this interface only represents the provider result.
- Avoid logging the `value` field, as it contains sensitive authentication credentials.
- Ensure the token is valid and refreshed before Kafka clients request authentication.
- Integrate the provider with the Kafka client configuration expected by the microservices package.