



TokenValidationResult Class

Contains methods that describe the result of the token validation performed by a token exchange handler using the `validateIncomingToken` method in the `Auth.OAuth2TokenExchangeHandler` class during the OAuth 2.0 token exchange flow.

Namespace

[Auth](#)

Usage

For a full example implementation that shows how to get information from the `TokenValidationResult` class, see [OAuth 2.0 Token Exchange Handler Examples](#).

Example

Here's is an example of the `Auth.TokenValidationResult` class.

```
global class TokenValidationResult {
    global TokenValidationResult(Boolean valid) { this.isValid = valid; }

    global TokenValidationResult(Boolean isValid, Object data, Auth.UserData userData,
        String token, Auth.OAuth2TokenExchangeType tokenType, String customErrorMsg) {

        this.isValid = isValid;
        this.data = data;
        this.userData = userData;
        this.token = token;
        this.tokenType = tokenType;
        this.customErrorMsg = customErrorMsg;

    }

    global Boolean isValid;
    global Object data;
    global Auth.UserData userData;
    global String token;
    global Auth.OAuth2TokenExchangeType tokenType; //Enum
    global String customErrorMsg; //Custom error message that's returned to the client if

    global Boolean isValid(){
        return isValid;
    }
    global Object getData(){
        return data;
    }
    global Auth.UserData getUserData(){
        return userData;
    }
    global String getToken(){
        return token;
    }
    global OAuth2TokenExchangeType getTokenType(){
        return tokenType;
    }
    global String getCustomErrorMessage(){
```



- [TokenValidationResult Properties](#)
- [TokenValidationResult Methods](#)

TokenValidationResult Constructors

The following are constructors for `TokenValidationResult`.

- [TokenValidationResult\(isValid, data, userData, token, tokenType, customErrorMsg\)](#)
Creates an instance of the `Auth.TokenValidationResult` class to describe the result of token validation performed during the OAuth 2.0 token exchange flow.
- [TokenValidationResult\(valid\)](#)
Creates an instance of the `Auth.TokenValidationResult` class to describe a valid token validation result during the OAuth 2.0 token exchange flow.

TokenValidationResult(isValid, data, userData, token, tokenType, customErrorMsg)

Creates an instance of the `Auth.TokenValidationResult` class to describe the result of token validation performed during the OAuth 2.0 token exchange flow.

Signature

```
public TokenValidationResult(Boolean isValid, Object data, Auth.UserData userData, String token, Auth.OAuth2TokenExchangeType tokenType, String customErrorMsg)
```

Parameters

isValid

Type: [Boolean](#)

If `true`, the token is valid.

data

Type: `Object`

Stores custom data that isn't stored in `userData`.

userData

Type: [Auth.UserData](#)

Stores information about a Salesforce user.

token

Type: [String](#)

The token from the external identity provider.

tokenType

Type: [Auth.OAuth2TokenExchangeType](#)

The type of token from the external identity provider.

customErrorMsg

Type: [String](#)

A custom error message that's returned if the token validation fails.

TokenValidationResult(valid)



```
public TokenValidationResult(Boolean valid)
```

Parameters

valid

Type: [Boolean](#)

Indicates a valid token validation result.

TokenValidationResult Properties

The following are properties for `TokenValidationResult`.

- [customErrorMsg](#)
A custom error message that's returned if token validation fails.
- [data](#)
Contains information about the user that isn't stored in the `Auth.UserData` class, such as information obtained via callouts to the external identity provider.
- [isValid](#)
Indicates whether the token is valid or not, based on the custom validation logic in your token exchange handler.
- [token](#)
The token from the external identity provider.
- [tokenType](#)
The type of token from the external identity provider. It can be an access token, refresh token, ID token, SAML 2.0 assertion, or a JSON Web Token (JWT).
- [userData](#)
Information about the user that's obtained from the identity provider's token.

customErrorMsg

A custom error message that's returned if token validation fails.

Signature

```
public String customErrorMsg {get; set;}
```

Property Value

Type: [String](#)

data

Contains information about the user that isn't stored in the `Auth.UserData` class, such as information obtained via callouts to the external identity provider.

Signature

```
public Object data {get; set;}
```

Property Value

Type: `Object`

isValid

Indicates whether the token is valid or not, based on the custom validation logic in your token exchange handler.



Type: [Boolean](#)

token

The token from the external identity provider.

Signature

```
public String token {get; set;}
```

Property Value

Type: [String](#)

tokenType

The type of token from the external identity provider. It can be an access token, refresh token, ID token, SAML 2.0 assertion, or a JSON Web Token (JWT).

Signature

```
public Auth.OAuth2TokenExchangeType tokenType {get; set;}
```

Property Value

Type: [Auth.OAuth2TokenExchangeType](#)

userData

Information about the user that's obtained from the identity provider's token.

Signature

```
public Auth.UserData userData {get; set;}
```

Property Value

Type: [Auth.UserData](#)

TokenValidationResult Methods

The following are methods for `TokenValidationResult`.

- [getCustomErrorMessage\(\)](#)
Retrieves the `CustomErrorMsg` that's returned when token validation fails.
- [getData\(\)](#)
Retrieves data from the identity provider token. This data can include custom data that isn't stored in the `userData` property.
- [getToken\(\)](#)
Retrieves the token that was passed from the external identity provider.
- [getTokenType\(\)](#)
Retrieves the type of token that was passed from the external identity provider.
- [getUserData\(\)](#)
Retrieves information about the user. The user information can be obtained from the identity provider's token or from callouts to the identity provider, if applicable.
- [isValid](#)
Indicates whether the token is valid or not, based on the custom validation logic in your token exchange handler.



```
public String getCustomErrorMessage()
```

Return Value

Type: [String](#)

getData()

Retrieves data from the identity provider token. This data can include custom data that isn't stored in the `userData` property.

Signature

```
public Object getData()
```

Return Value

Type: `Object`

getToken()

Retrieves the token that was passed from the external identity provider.

Signature

```
public String getToken()
```

Return Value

Type: [String](#)

getTokenType()

Retrieves the type of token that was passed from the external identity provider.

Signature

```
public Auth.OAuth2TokenExchangeType getTokenType()
```

Return Value

Type: [Auth.OAuth2TokenExchangeType](#)

getUserData()

Retrieves information about the user. The user information can be obtained from the identity provider's token or from callouts to the identity provider, if applicable.

Signature

```
public Auth.UserData getUserData()
```

Return Value

Type: [Auth.UserData](#)

isValid

Indicates whether the token is valid or not, based on the custom validation logic in your token exchange handler.



Type: [Boolean](#)

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