



ExternalClientAppOAuthHandler Class

Contains methods for extending the behavior of an external client app. For example, customize how an external client app is invoked depending on the protocol used. This class gives you more control over the interaction between Salesforce and your external client app.

Namespace

[Auth](#)

Usage

When you create an external client app, you specify general information about the app and set for OAuth. To customize how the app is invoked, create an external client app handler with the `ExternalClientAppOAuthHandler` Apex class. For example, use this class to support new authentication protocols or respond to user attributes in a way that benefits the business process.

When you create an external client app handler, you also configure the `ExternalClientAppOAuthHandler` class to run as an execution user. The execution user authorizes access for the external client app. For example, when you use the `authorize` method, the execution user authorizes the external client app to access data.

If you don't specify an execution user, the plug-in runs as an Automated Process User, which is a system user that executes tasks behind the scenes. Most `ExternalClientAppOAuthHandler` methods require that you specify an execution user, with the exception of the `customAttributes` method.

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ExternalClientAppOAuthHandler Methods

The following are methods for `ExternalClientAppOAuthHandler`.

- [authorize\(userId, ecAppId, isAdminApproved, context\)](#)
Authorizes the specified user to access the external client app. If the external client app is set for users to self-authorize, this method isn't invoked.
- [customAttributes\(userId, ecAppId, formulaDefinedAttributes, context\)](#)
Sets new attributes for the specified user. When the external client app gets the user's attributes from the `UserInfo` endpoint, use this method to update the attribute values.
- [refresh\(userId, ecAppId, context\)](#)
Salesforce calls this method during a refresh token exchange.

authorize(userId, ecAppId, isAdminApproved, context)

Authorizes the specified user to access the external client app. If the external client app is set for users to self-authorize, this method isn't invoked.

Signature

```
public Boolean authorize(Id userId, Id ecAppId, Boolean isAdminApproved, Auth.InvocationContext context)
```

Parameters

***ecAppId***Type: [Id](#)

The 15-character ID of the external client app.

isAdminApprovedType: [Boolean](#)

The approval state of the specified user when the external client app requires approval.

contextType: [Auth.InvocationContext](#)

The context in which the external client app is invoked.

Return ValueType: [Boolean](#)

A returned value of `true` indicates that the user is approved.

customAttributes(userId, ecAppId, formulaDefinedAttributes, context)

Sets new attributes for the specified user. When the external client app gets the user's attribute from the `UserInfo` endpoint, use this method to update the attribute values.

Signature

```
public Map<String,String> customAttributes(Id userId, Id ecAppId, Map<String,String> formulaDefinedAttributes, Auth.InvocationContext context)
```

Parameters***userId***Type: [Id](#)

The 15-character ID of the user attempting to use the external client app.

ecAppIdType: [Id](#)

The 15-character ID for the external client app.

formulaDefinedAttributesType: [Map<String,String>](#)

A map of the current set of attributes from the `UserInfo` endpoint (OAuth) or from a SAML assertion. For more information, see [The UserInfo Endpoint in the online help](#).

contextType: [Auth.InvocationContext](#)

The context in which the external client app is invoked.

Return ValueType: [Map<String,String>](#)

A map of the updated set of attributes.

refresh(userId, ecAppId, context)



Parameters

userId

Type: [Id](#)

The 15-character ID of the user requesting the refresh token.

ecAppId

Type: [Id](#)

The 15-character ID of the external client app.

context

Type: [Auth.InvocationContext](#)

The context in which the external client app is invoked.

Return Value

Type: [void](#)

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