How To Use Tokens From Another Earthdata Login Application

This guide will tell you how to set up an application group that can be used by a group of SSO applications. The use case here is that two SSO applications A and B belonging to the same application group want to share tokens (i.e. Token generated by application A can be passed to application B, and application B can use the token by identifying itself as the calling application)

Setting Up the application group and adding applications

Creating an Application group

You must be logged into URS as a URS Admin in order to access these pages.

1. Create an application group (available from the Admin Page)

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Creating Applications and adding to the group

You must be logged into URS as a URS Admin in order to access these pages.

1. Have the user register apps A and B just like they would normally.
    a. Application A (uid: app1, client_id: ABCD)
    b. Application B (uid: app2, client_id: XYZ)
2. Go to the (SSO) App's page for both the applications (app1, app2) and you should see a tab called "Required Groups". From that page you can add the application group as required for the application.

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Application 'A' generates a oauth token with value: HGJFKDAS for user 'urs_user', in the normal way by exchanging the authorization code for a token.

Application A can use its token in one of two ways to retrieve the user profile for 'urs_user'

- It can send its own client_id as an additional parameter 'client_id' to the request

```
GET /api/users/urs_user?client_id=ABCD Authorization: Bearer HGJFKDAS
```

- It can send its own client_id as an additional parameter 'calling_application' to the request

```
GET /api/users/urs_user?calling_application=ABCD Authorization: Bearer HGJFKDAS
```

Application B can use Application A's token to retrieve user profile for 'urs_user'

- It can send its own client_id as an additional parameter 'client_id' to the request

```
GET /api/users/urs_user?client_id=ABCD Authorization: Bearer HGJFKDAS
```

- It can send its own client_id as an additional parameter ‘calling_application’ to the request

```
GET /api/users/urs_user?calling_application=XYZ Authorization: Bearer HGJFKDAS
```

****calling_application parameter will be deprecated in future EDL releases. It is being maintained for backwards compatibility currently.**