Registration

Introduction

All users of the ADEX platform must be registered and authenticated to perform any secure operation offered by the platform. The details of these secure operations are defined and explained by all ADEX components in their respective API documentation. The registration process of a guest user on the ADEX platform is a simple three step process as outlined below:

1. Creating the Account
2. Verifying the Email Address
3. Requesting a User Role

1. Account Creation

On entering the Consumer or Provider Panels by clicking on the **Login/Register** on [Data Explorer page](), there is an option to register when you are prompted to sign in.
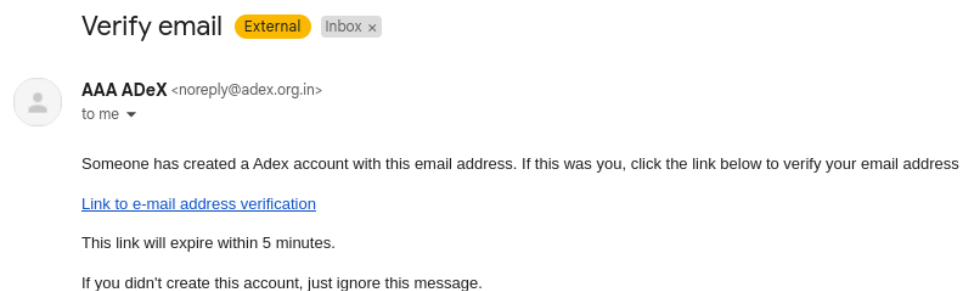

Register

Enter the required details.

Account details

2. Email Verification

You should receive an email at your registered address, with a verification link. On clicking the link, the account has been successfully linked to the email address.

Sample email dialog

Email verification

ADeX

⚠️ You need to verify your email address to activate your account.

An email with instructions to verify your email address has been sent to you.

Haven't received a verification code in your email?
Click here to re-send the email.

Email verification required

WELCOME Someone Person,

Thank you for registering with IUDX.

You're one step away from getting a role, to access other panels.

Complete Profile

Note: Approval of few roles might take some time. Please be patient.

Account created, last step of registration pending

3. Requesting User Roles

Once email verification is complete, you can now choose the roles you would like to have. All roles are tied to a resource server to which the role would be applicable to. The role to be chosen in this case would be of an 'AIU':

- Choosing the AIU role for resource server `rs.example.com` would allow you to request for access for resources belonging to `rs.example.com` and access data on said resource server for permitted resources

AIU Registration

If the AIU role is chosen, all resource servers are automatically selected and the user would get the AIU role for any new resource server that is added.

Choosing AIU role

On successful registration, the user will obtain a pair of client credentials(clientId and clientSecret) which the user needs to furnish to access the datasets from the ADeX platform as illustrated in the following section.

Data Access

The dataset for the challenge hosted on the ADeX platform is accessible via the following link:
- Challenge Dataset: https://dataexplorer.ts.adex.org.in/dataset/583e8f01-160e-4f51-bde5-31dc7f2a5887

Additionally, users can explore a variety of other datasets available on the ADeX platform through this link:
- Other Datasets: https://dataexplorer.ts.adex.org.in/

Below are the steps to Access or Retrieve the Challenge Dataset:

Step 1: Get Access Token

Use the obtained client credentials(clientId and clientSecret) from your successful registration in the following cURL to fetch the access token.

```
curl --location 'https://ts.adex.org.in/auth/v1/token' \
--header 'clientId: <your-cliendId>' \
--header 'clientSecret: <your-cliendSecret>' \
--header 'Content-Type: application/json' \
--data '{
   "itemId": "geoserver.ts.adex.org.in",
   "itemType": "resource_server",
   "role": "consumer"
}'
```

Step 2. Download Data

The access token obtained in Step 1 must be provided as a header parameter in the following cURL to enable the user to download the data as a GeoJSON file.

```
curl -o challenge_data.geojson --location
'https://geoserver.ts.adex.org.in/assets/30755ab0-60cd-4b34-8c31-b93a6c3487db' \
--header 'Accept: application/json' \
--header 'Authorization:  Bearer <your-access-token-obtained-from-step-1>'
```

The data access procedures outlined above can also be executed using the Postman collection available at the following link. Users can download the data file by selecting the 'Send and Download' option in Postman after constructing the appropriate API request, as shown in the screenshot below:

Note: Please replace the placeholders: *<your-cliendId>, <your-cliendSecret>* and*<your-access-token-obtained-from-step-1>* with your appropriate values.