ABBYY Timeline

Postman collection of Abbyy Timeline API

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About the ABBYY Timeline Postman Collection

ABBYY Timeline is a process intelligence platform that leverages artificial intelligence and machine learning to provide detailed insights into business processes.

ABBYY Timeline provides an API that allows developers to interact with the platform programmatically. This enables the integration of ABBYY Timeline's capabilities with other systems and applications.

System Requirements

To usage Timeline API you need to have either of the following roles in your timeline account:

- Data Manager
- Administrator
- Project owner

It is mandatory to have the Timeline API data source enabled for the target project of any API interaction, otherwise, your requests will fail.

To upload a file in your Timeline project, make sure the extension of the file is .csv and there is no empty rows present at the end in file.

Setting up Postman collection

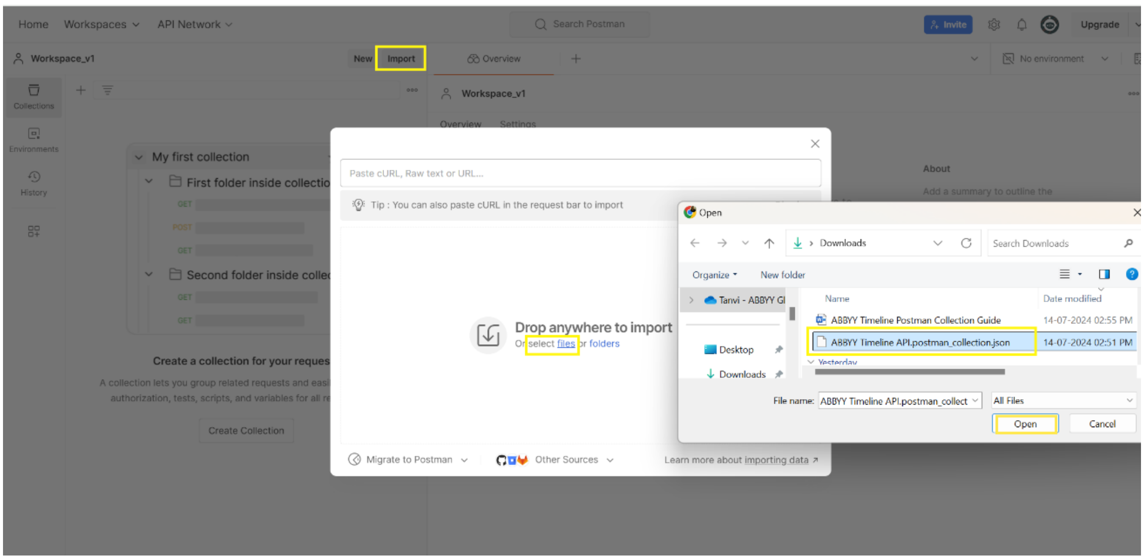
To set up the data conversion custom activity, perform the following steps:

Importing the package

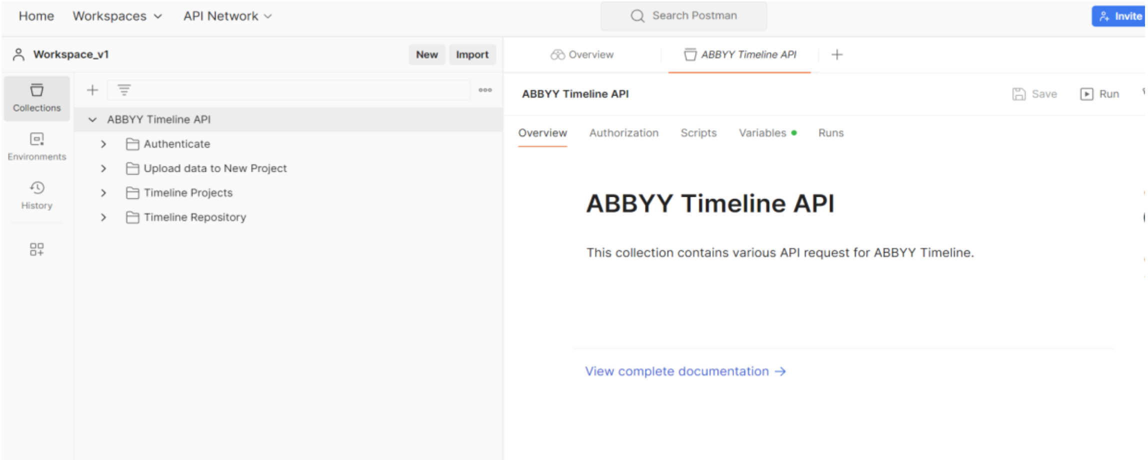
The postman collection package includes all the Timeline APIs:

To import the collection, do the following:

1. Download the ABBYY Timeline Postman collection package (.json file).
2. In Postman click Import and select the downloaded file.



3. Once the collection is imported, the ABBYY Timeline API collection would be available in Postman.



Using the API

To use the Timeline APIs the request must be authorized by a token, requests that do not contain a valid access token will fail. To receive a token, you need to set up a special OAuth connection in your Timeline account in advance.

For access token you can set the any one of the below configurations for authentication:

Registering OAuth Client in Timeline

To use Timeline API, you need to register an OAuth client in your Timeline account beforehand. Registering such a client will allow exchanging information between your 3rd party system and Timeline:

- The external system will receive some security credentials to interact with Timeline. Using those credentials your system will be able to retrieve information from Timeline API resources.
- You will provide to Timeline the endpoint that should be prepared in your system for Timeline to interact with.

Follow the instructions below to set up the OAuth connection properly:

1. Log into your Timeline account.
2. Click your user avatar at the bottom of the left bar and select "Account." Then open the "OAuth & OpenID Connect" tab.
3. Click on "+Register client."
4. In the dialog that appears, fill in the client details fields with your system information:

   a. **Name**: Enter a name to identify the new OAuth client.

   b. **App URL**: Provide a link to your application's homepage. Users will see this link when asked to grant access to their information held in Timeline.

   c. **Redirect URI**: Specify the Redirection Endpoint to be used for the OAuth Authorization Response. For Postman provide the below

   Postman Redirect URI: https://oauth.pstmn.io/v1/browser-callback

5. Select the client type depending on your requirements:

   a. **Confidential**: Select this option if your application can securely hold credentials without exposing them to unauthorized parties and you have a trusted backend server to store secrets.

   b. **Public**: Select this option if your application cannot hold credentials securely. In this case, a client secret will not be issued as your application cannot securely store it and, for example, is running entirely in the browser.

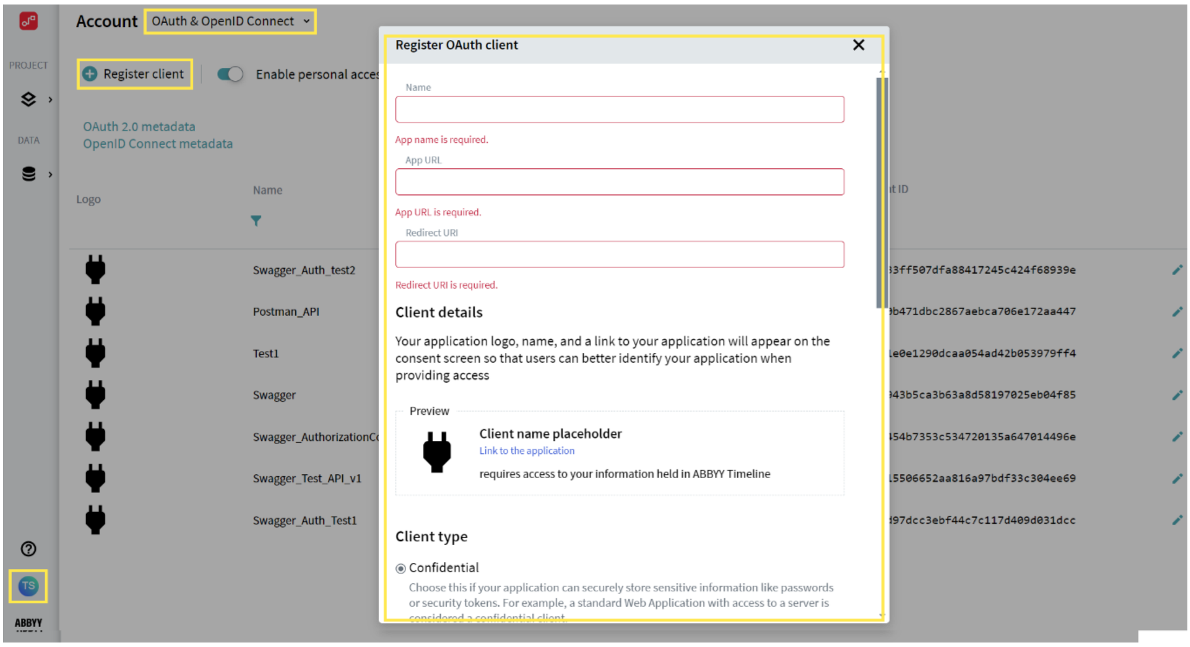
6. Set the "Grant type", as the authorization code flow.

7. Select "OpenID Connect" to get certain information about authenticated end-users. If enabled, a special "openid" scope value is sent with the authorization request. This causes Timeline's Authorization Server to generate and return an **id_token** alongside the **access_token**. The **id_token** provides information about the authenticated Timeline user with the values from their profile.

   The disclosed information can be set by selecting the needed options in the Claims list: email, name, given name, family name, phone number, locale, zone info.

8. Select permission Scopes that will be available for this OAuth client. You can select permission scopes for projects and repositories.

9. Once configured, click on "Register" and then save the Client ID and Client Secret generated. This client id and client secret is used in Postman authentication request.



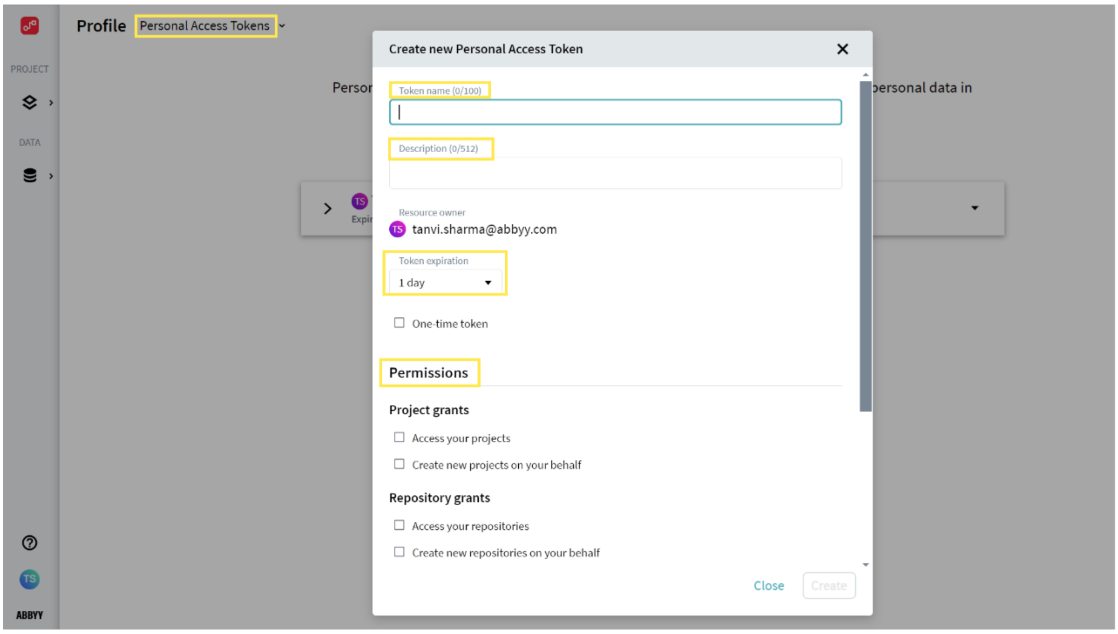
Generating Personal Access Token

You can generate a personal access token and provide different permissions for project and repositories.

To generate a personal access token, follow the below steps:

1. In your Timeline Account navigate to “User Profile”.
2. Under “User Profile” navigate to “Personal Access Tokens”.
3. Create a new personal access tokens and set the configurations such as name, token expiration and permissions.

4. Under permissions you can grant different levels of permissions for project, repository and profile.



5. Once the personal access token is created copy and save the token as it would be visible only once.
6. You can use the generated personal access token and directly save this value to “access_token” collection variable of Postman.

Setup the Postman collection variables

As per the configuration setup the postman collection variables.

- In case of OpenID Connect set the client id and client secret collection variables in postman collection.
- In case of personal access token, directly save the generated value to “access_token” collection variable of Postman.

For other variables such as project_id, repository_id refer the documentation in postman for respective API request.