



GOAL: Configure the Postman Collection for iOKids APIs

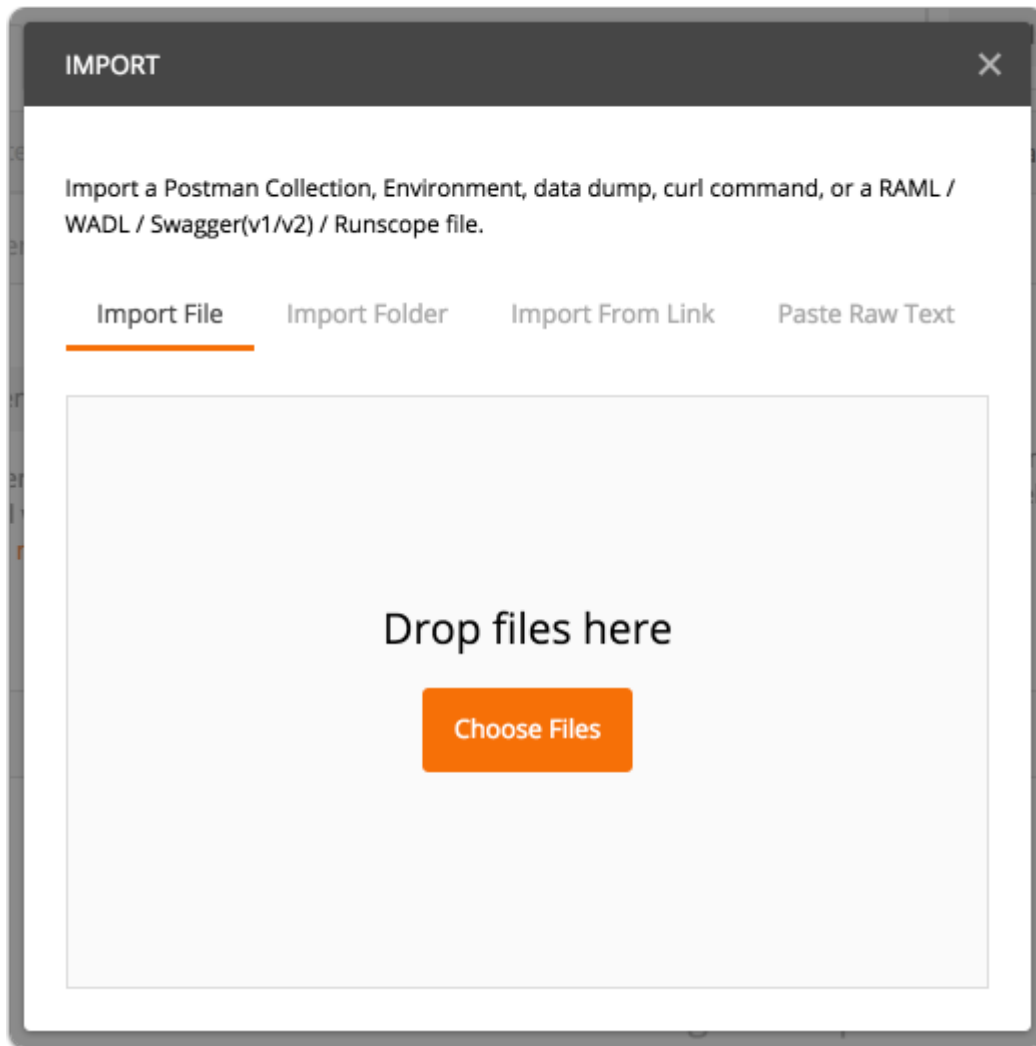
Download the Postman Collection for iOKids APIs

In the resources section of the iOKids API Documentation home page, click the links to download the postman collection and environment variables.

Resources

1. You will create applications and users in the [partner dashboard](#).
2. Download and use this [Postman collection](#) and [environment variables](#) to see example calls. You will need to configure the collection for your sample user.

Import the collection and environment variables in Postman



Find your Client ID and Secret Values for Later

You can find your Client ID and Secret in the Application section of the iOKids Partner Dashboard. You will need these later. Click on the Client IDs and Secrets section. To see your secret, click the "Show Secret" button.

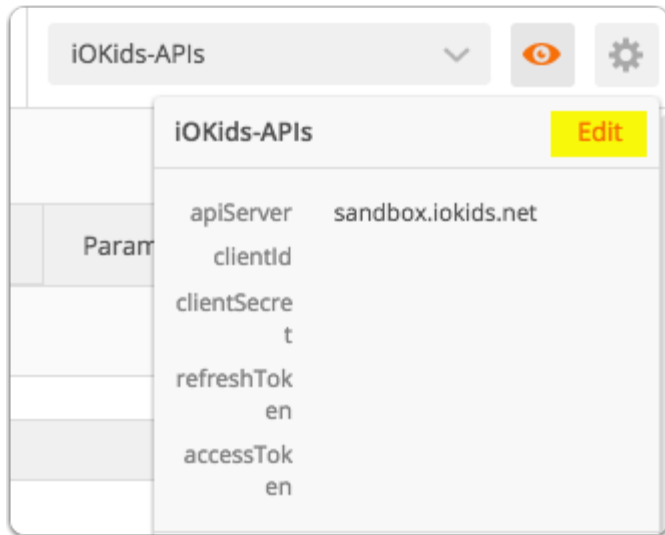
The screenshot shows the iOKids Partner Dashboard. The top navigation bar includes the iOKids logo, 'Help & Support', 'API Documentation', and a user profile for 'developer@findfluffy.local'. The left sidebar has links for 'Brands', 'Apps' (selected), 'Sandbox', and 'Analytics'. The main content area is titled 'Apps' and features a card for 'FindFluffy' with a pink duck icon. A yellow warning banner states: 'This app is in the iOKids Sandbox environment. It can only interact with test data.' To the right of the app card are 'Edit App' and 'Delete App' buttons. The 'FindFluffy' card details include: 'A fun app for kids. Find fluffy in scenes of things kids may see on vacation.' The 'Client IDs & Secrets' section shows a 'Client ID' (iok-cid-[redacted]) and a 'Client Secret' (with a 'Show Secret' button). Below this is a 'Generate Client ID' button. Other sections like 'Permission Scopes', 'Registered Redirect URIs', and 'Mobile Store Links' are visible but empty.

Set your Client ID and Secret in the Environment

Edit the iOKids-APIs environment variables you just imported. Select them from the dropdown and click the eye icon on the right of the environment name.

The screenshot shows the Postman interface. At the top, there's a 'Refresh Access Token' button and a dropdown menu for 'iOKids-APIs' with an eye icon. Below this, the 'Refresh Access Token' collection is expanded, showing a 'POST' request to 'https://{apiServer}/oauth/token'. The 'Params' tab is selected, and there are 'Send', 'Save', and 'Examples (0)' buttons. At the bottom, there are tabs for 'Authorization', 'Headers (1)', 'Body', 'Pre-request Script', and 'Tests'. The 'Cookies' and 'Code' tabs are also visible on the right.

Edit the Environment Variables



Set Client ID and Secret

Copy and paste your Client ID and Client Secret from the Partner Dashboard into the "clientId" and "clientSecret" variables respectively.

MANAGE ENVIRONMENTS

Manage Environments

Environment Templates

Edit Environment

iOKids-APIs

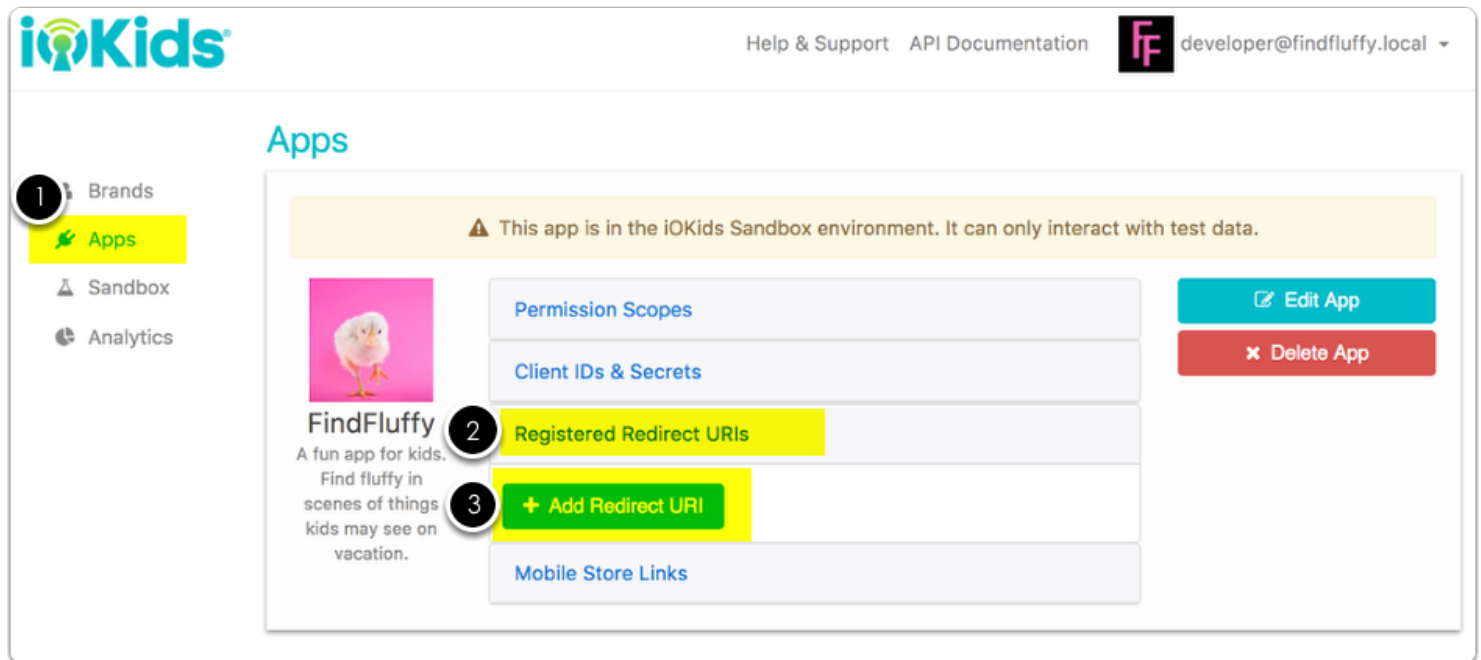
	Key	Value	Bulk Edit
<input checked="" type="checkbox"/>	apiServer	sandbox.iokids.net	
<input checked="" type="checkbox"/>	clientId	iok-cid- <div></div>	
<input checked="" type="checkbox"/>	clientSecret	iok-cse- <div></div>	
<input checked="" type="checkbox"/>	refreshToken		
<input checked="" type="checkbox"/>	accessToken		
	New key	Value	

Cancel

Update

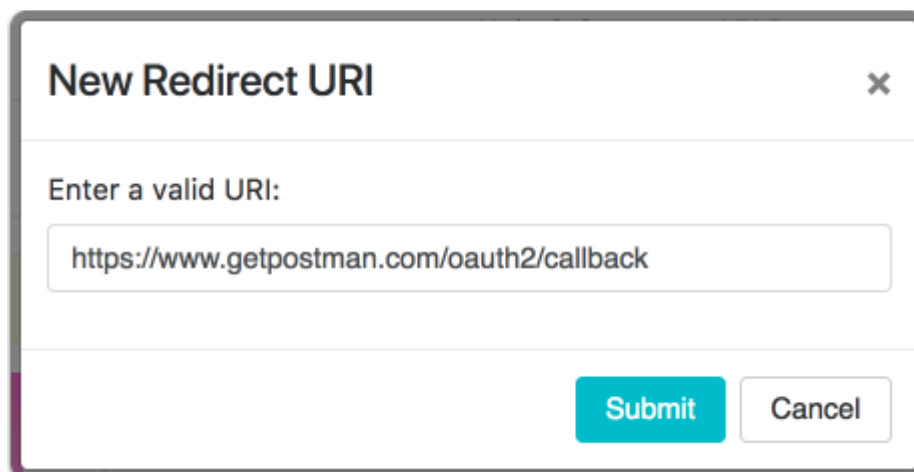
Configure your Sandbox App with the Postman Callback URL

iOKids Social Sign-On is OAuth2-compliant. You will need to register all callback URLs your app is permitted to use. This will generally be the RUL scheme of your mobile app or your domain in the case of a web app. In our scenario, though, we will add a Postman callback URL to allow Postman to receive the iOKids SSO token. In the iOKids partner dashboard, navigate to your app and click on the "Registered Redirect URIs" section. Then click "+ Add Redirect URI".



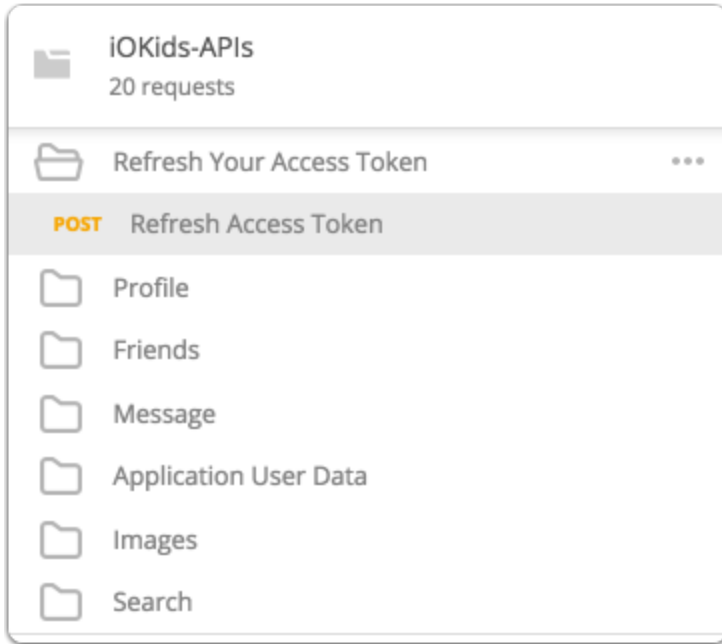
Add the Postman Callback

In the URI field, add "https://www.getpostman.com/oauth2/callback". This gives iOKids permission to call the Postman App later when you obtain an SSO token.



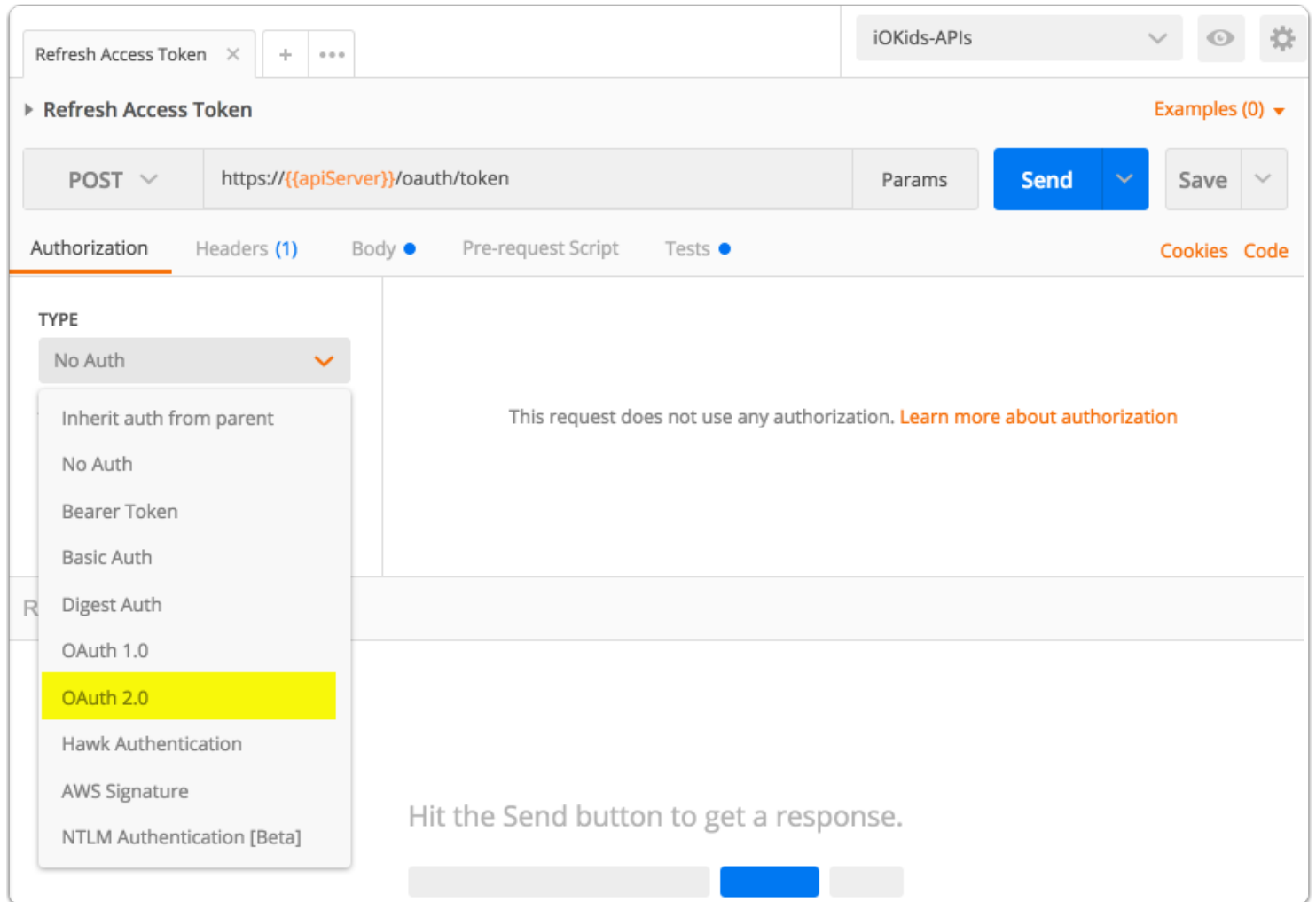
Open the Refresh Request

Open the request in the "Refresh Your Access Token" folder called "Refresh Access Token".



Configure OAuth2

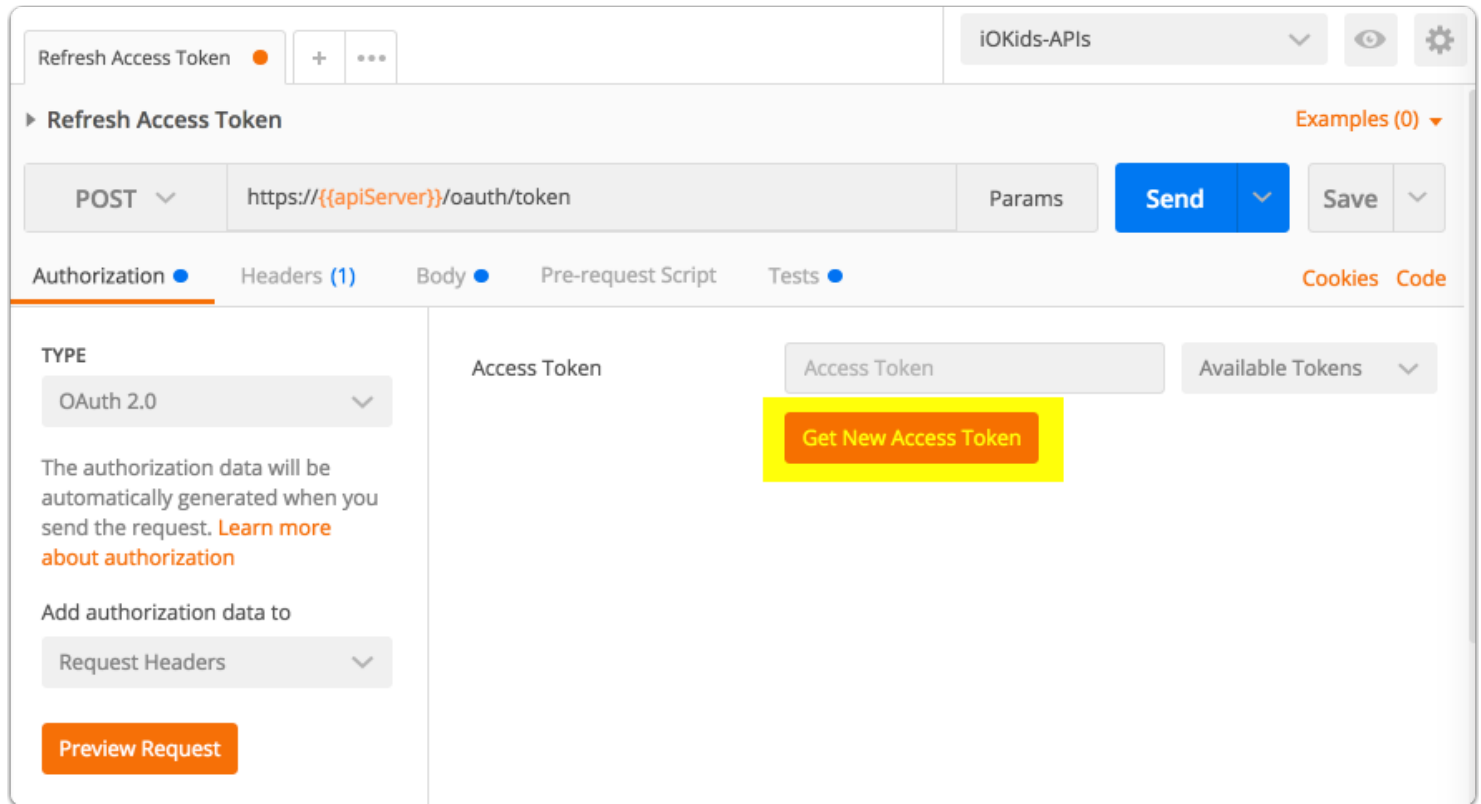
In the Authorization tab select OAuth2 from the Authorization drop-down



The image shows the Postman interface for configuring an API request. The top bar includes a 'Refresh Access Token' button, a collection dropdown set to 'iOKids-APIs', and icons for eye and settings. The main area is titled 'Refresh Access Token' with a 'Send' button and a 'Save' button. The 'Authorization' tab is selected, showing a dropdown menu for 'TYPE' with options: 'No Auth', 'Inherit auth from parent', 'No Auth', 'Bearer Token', 'Basic Auth', 'Digest Auth', 'OAuth 1.0', 'OAuth 2.0' (highlighted in yellow), 'Hawk Authentication', 'AWS Signature', and 'NTLM Authentication [Beta]'. The request URL is 'https://{{apiServer}}/oauth/token'. The 'Body' tab is also visible, showing a message: 'This request does not use any authorization. [Learn more about authorization](#)'. At the bottom, there is a 'Hit the Send button to get a response.' prompt and a 'Send' button.

Edit OAuth2 Configuration

With OAuth2 as the Authorization Type, you will see information about access tokens. Select "Get New Access Token"



The image shows the Postman interface for editing an OAuth2 configuration. At the top, there's a header bar with "Refresh Access Token" and a status indicator (orange dot). Below this, the main area is titled "Refresh Access Token" with a sub-header "Examples (0)". The request method is set to "POST" and the URL is "https://{{apiServer}}/oauth/token". The "Params" tab is selected. The "Authorization" tab is active, showing the "TYPE" as "OAuth 2.0". A note states: "The authorization data will be automatically generated when you send the request. [Learn more about authorization](#)". Below this, there's a section "Add authorization data to" with a dropdown menu set to "Request Headers". A "Preview Request" button is at the bottom left. On the right, the "Access Token" section shows a text input field with "Access Token" and a dropdown menu for "Available Tokens". A yellow box highlights the "Get New Access Token" button.



Configure OAuth2

1. Select a descriptive name for the token, for example "iOKids Single Sign-On"
2. Select "Authorization Code" as the Grant Type
3. Set "https://www.getpostman.com/oauth2/callback" as the Callback URL. See the steps above for further explanation.
4. Set "https://sandbox.iokids.net/oauth/signin" as the Auth URL.
5. Set "https://sandbox.iokids.net/oauth/token" as the Access Token URL.
6. Copy your Client ID from the Client ID and Secret section of your app in the iOKids Partner Dashboard (see next step)
7. Copy your Client Secret from the Client ID and Secret section of your app in the iOKids Partner Dashboard (see next step)
8. Set "profile" as your scope.
9. Set an arbitrary value for State.
10. Select "Send Client Credentials in Body" for Client Authentication.

FINALLY, click "Request Token"!

GET NEW ACCESS TOKEN

Token Name

1

iOKids Single Sign On

Grant Type

2

Authorization Code

▼

Callback URL ⓘ

3

https://www.getpostman.com/oauth2/callback

Auth URL ⓘ

4

https://sandbox.iokids.net/oauth/signin

Access Token URL ⓘ

5

https://sandbox.iokids.net/oauth/token

Client ID ⓘ

6

iok-cid-XXXX

Client Secret ⓘ

7

iok-cse-XXXX

Scope ⓘ

8

profile

State ⓘ

9

secret-session-state

Client Authentication

10

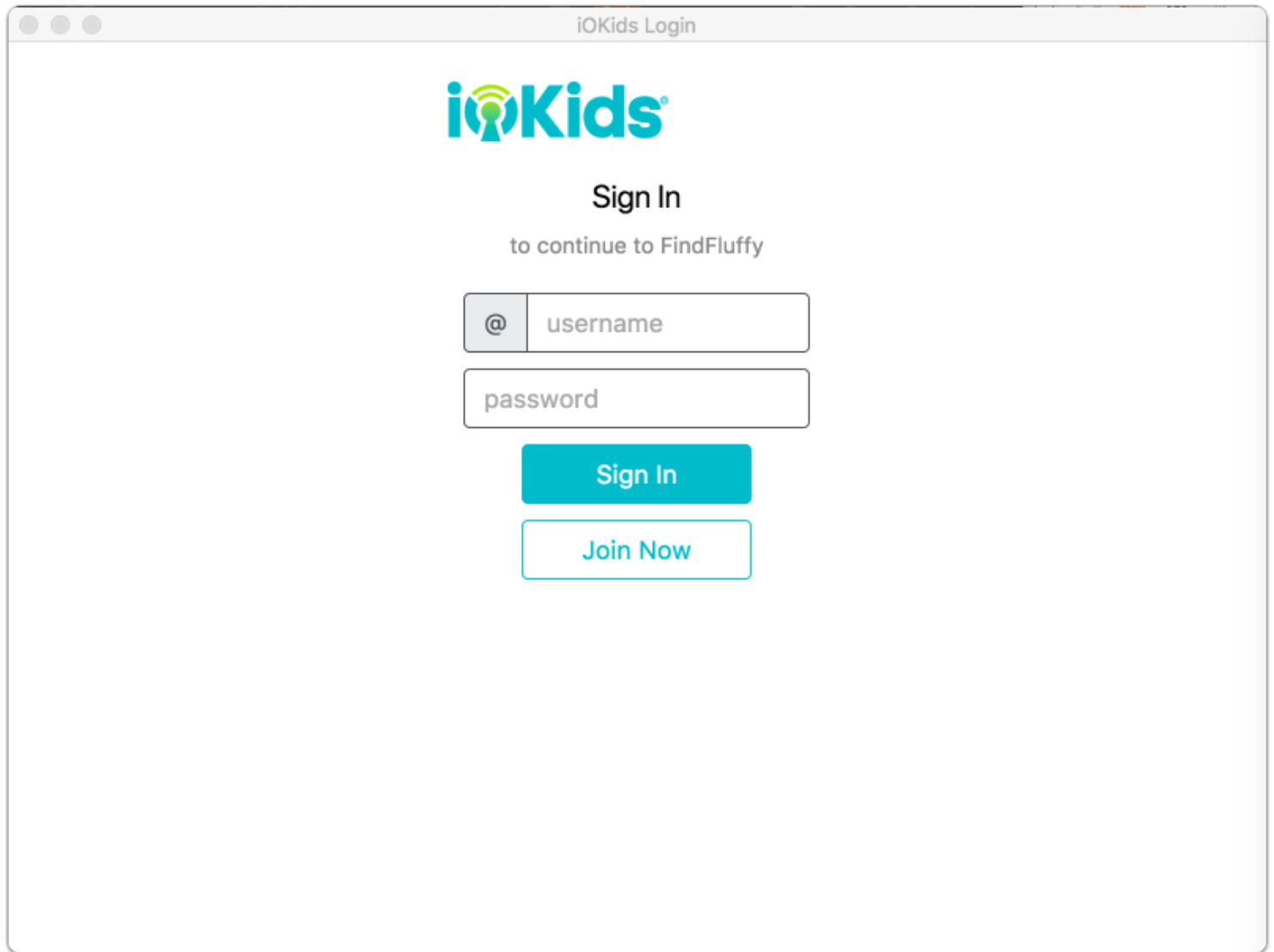
Send client credentials in body

▼

Request Token


Start the Social Sign-On Process


The next screen will request iOKids Log-in Credentials.


A screenshot of a web browser window titled 'iOKids Login'. The window has a light gray header bar with three small circles on the left. The main content area is white and contains the iOKids logo at the top. Below the logo, the text 'Sign In' is centered, followed by 'to continue to FindFluffy'. There are two input fields: the first is for a username, with a gray box containing an '@' symbol and a white box containing the placeholder text 'username'; the second is for a password, with a white box containing the placeholder text 'password'. Below the input fields are two buttons: a solid blue button labeled 'Sign In' and a white button with a blue border labeled 'Join Now'.


Get Sign-in Credentials


When you set-up your application in the Partner Dashboard, you probably already generated sandbox users (if you didn't, find that documentation and generate them now). Navigate to the Sandbox area of the dashboard and select a username that has permissions for your app. The password is the name of your company for every user.

Help & Support API

 Brands

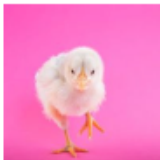
 Apps

 **Sandbox**

 Analytics

Find Fluffy, LLC Sandbox


Apps



FindFluffy

Users



[+ Generate ▾](#)




brandon ramos
@beautifulmeercat246

Type: Parent
Email: brandon.ramos@example.com
Age: 38
Created: 1/2/2018, 2:34 PM
Password: Find Fluffy, LLC

Friends With:

-  @organicladybug833
-  @redbutterfly267

Apps:

-  FindFluffy

[+ Add ▾](#)[Edit](#)[Delete](#)



Log-in to iOKids with your credentials.

A screenshot of a web browser window titled 'iOKids Login'. The window displays the iOKids logo at the top, followed by the text 'Sign In' and 'to continue to FindFluffy'. Below this, there are two input fields: the first contains an '@' symbol and the text 'beautifulmeercat24€', and the second contains a series of dots representing a password. A green 'Sign In' button is highlighted with a yellow border, and a blue 'Join Now' button is located below it.

iOKids Login

iOKids®

Sign In

to continue to FindFluffy

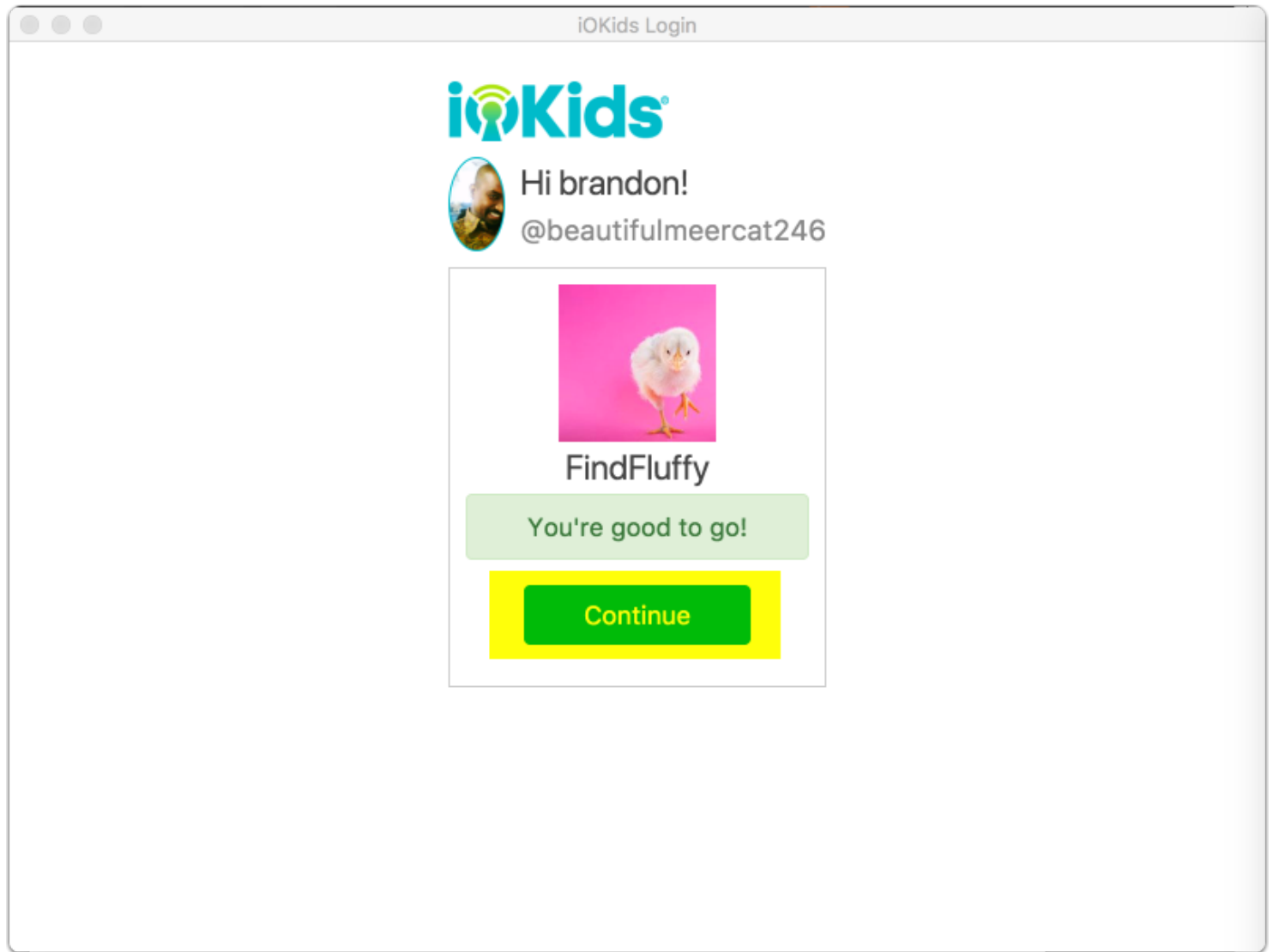
@ beautifulmeercat24€

.....

Sign In

Join Now

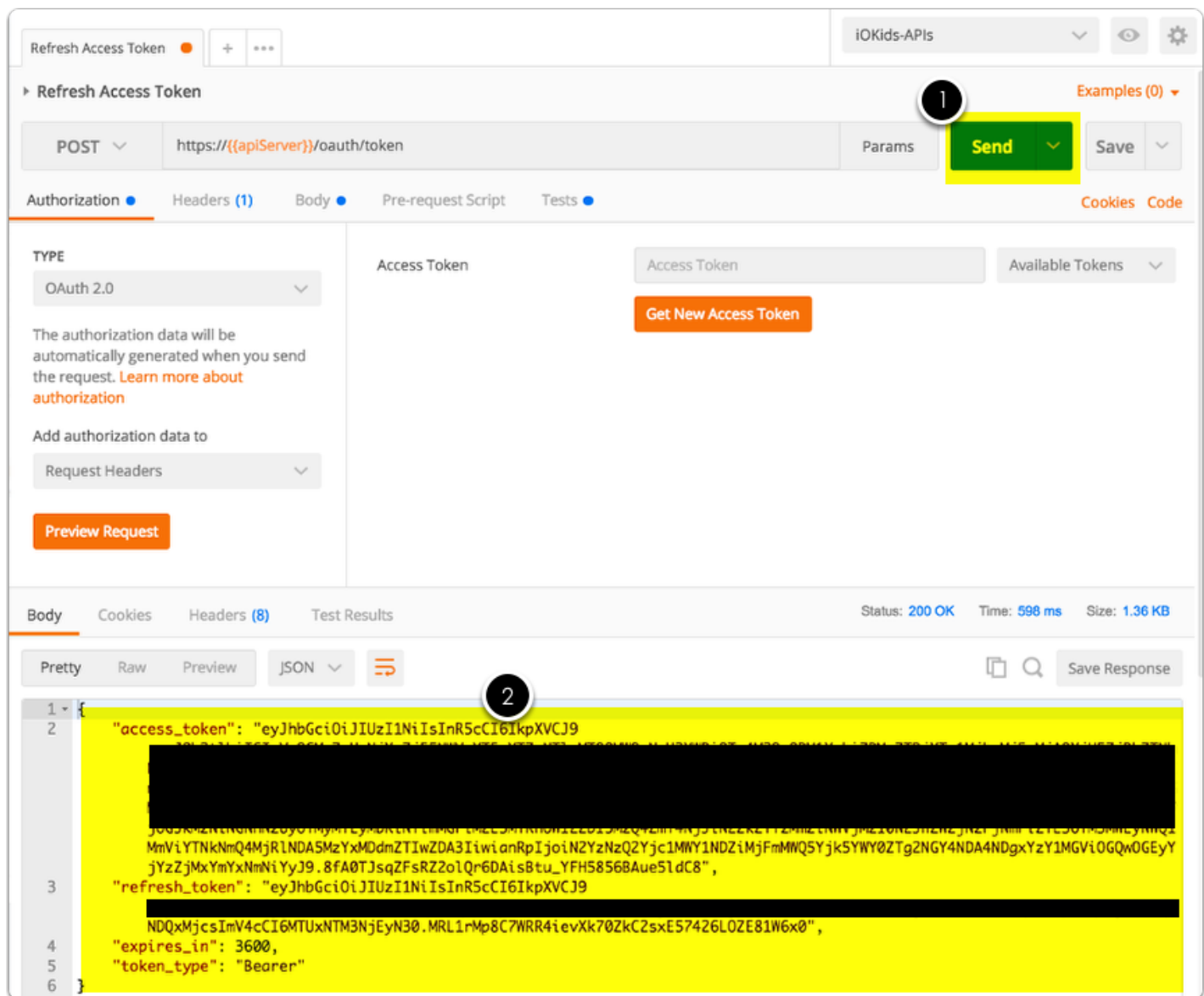
Continue to use the App



Run the Refresh Access Token script

Run the Refresh Access Token request to use the refresh token to get a new access token. A script in the Tests tab will automatically set the value of the "accessToken" environment variable to the value retrieved from the response.

1. Send the Refresh Access Token request
2. Receive a new Access Token. A script in the Tests tab automatically sets the accessToken environment variable.



The screenshot shows the Postman interface for a collection named 'iOKids-APIs'. The selected request is 'Refresh Access Token', which is a POST request to 'https://({apiServer})/oauth/token'. The 'Send' button is highlighted with a yellow box and a circled '1'. Below the request details, the 'Body' tab is active, showing a JSON response. The response is highlighted with a yellow box and a circled '2'. The response contains the following fields:

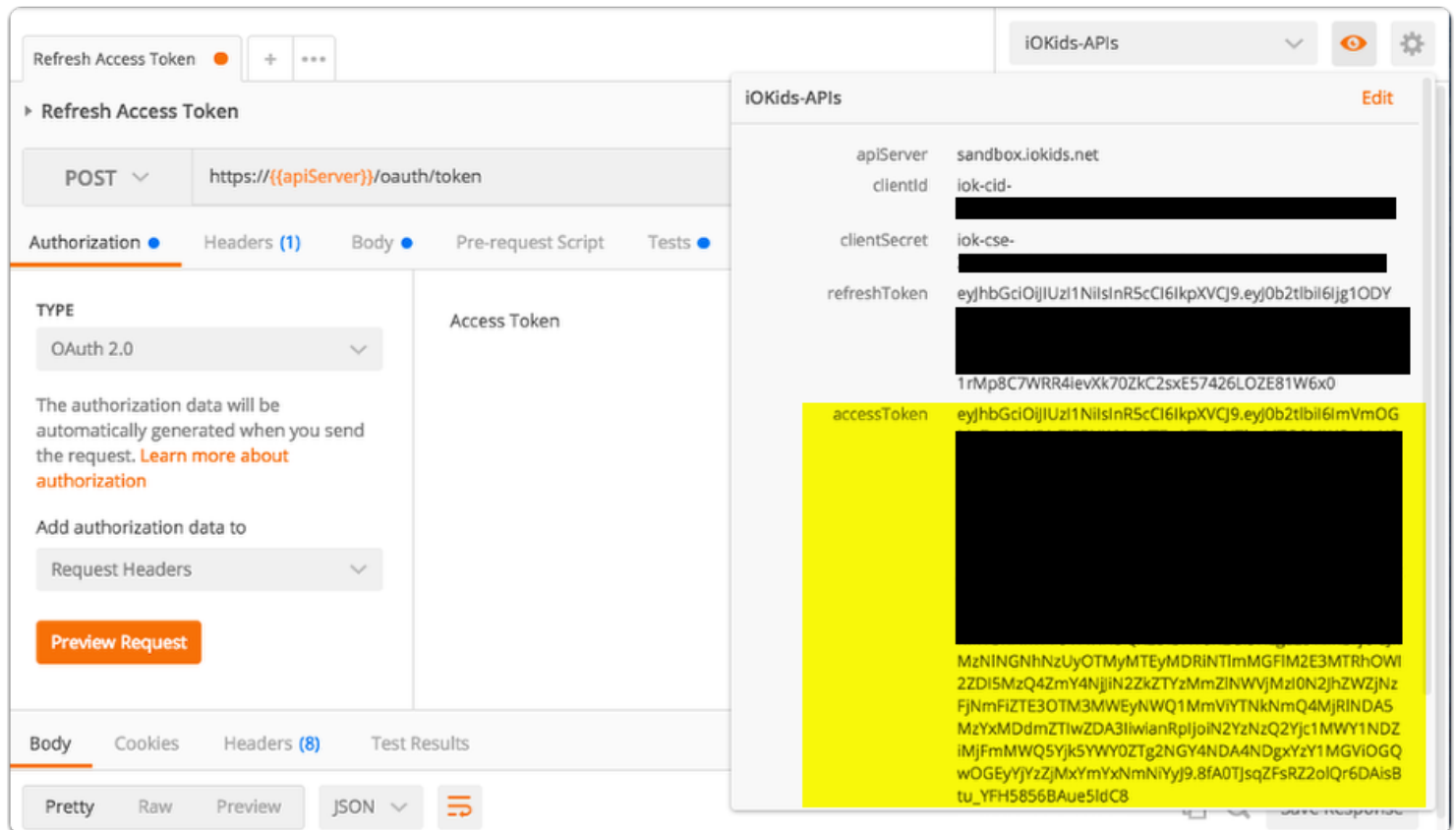
```

{
  "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9",
  "refresh_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9",
  "expires_in": 3600,
  "token_type": "Bearer"
}

```

Confirm the Access Token was set

To confirm the access token was set, simply click on the eye next to the environment dropdown and view the token. This access token is used when making all other calls in the postman collection.











The image shows the Postman interface. On the left, a 'Refresh Access Token' request is configured as a POST to `https://({apiServer})/oauth/token` using OAuth 2.0. The 'Authorization' tab is selected. On the right, the 'iOKids-APIs' environment is open, showing variables for `apiServer`, `clientId`, `clientSecret`, `refreshToken`, and `accessToken`. The `accessToken` value is highlighted in yellow.

Variable	Value
<code>apiServer</code>	<code>sandbox.iokids.net</code>
<code>clientId</code>	<code>iok-cid-</code>
<code>clientSecret</code>	<code>iok-cse-</code>
<code>refreshToken</code>	<code>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2t1bG16j1ODY1rMp8C7WRR4ievXk70ZkC2sx5E57426LOZE81W6x0</code>
<code>accessToken</code>	<code>eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0b2t1bG16j1ODY1rMp8C7WRR4ievXk70ZkC2sx5E57426LOZE81W6x0</code>

Try out iOKids!

You can now make API calls as the user you authenticated with. You can click on any of the requests and run them as the sandbox user you authenticated with.

	iOKids-APIs 20 requests	
	Refresh Your Access Token	...
	POST Refresh Access Token	
	Profile	...
	GET My Profile	
	GET My Cover Photo	
	GET My Kids	
	Friends	...
	GET My Friends	
	Message	...
	GET Get Message List	
	GET Get A Message	
	PUT Message	
	POST Acknowledge A Message	
	POST Acknowledge All Messages	
	Application User Data	...
	GET Get Application	
	GET Get Application User Data	
	POST Store Application User Data	
	PUT Create Store Application Bucket Data	
	POST Store Application Bucket Data	
	GET Get Application Bucket Data	
	DEL Delete Store Application Bucket Data	
	Images	...
	GET Image by ID	
	Search	...
	GET Search	
	GET Random	

Token Expiration

The access token will expire every 5 minutes. If you receive a "4011" application error, the likliest problem is an expired access token.

```
1 {  
2   "error_code": 4011,  
3   "error_description": "Application does not have permission"  
4 }
```

Keep it Fresh

Simply re-run the Refresh Access Token request (see above) to get another token valid for 5 more minutes.

