

FireFly Runbook - Postman Setup

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Overview

This document will describe setup of a Lightweight Postman API Client (without a sign-in in order to maintain privacy) against the FireFly Stack.

Note: Postman's Scratch Pad functionality has been deprecated. For more detail, see Amazon's Runbook for Secure Use of Postman.

Download and set up for GraphQL

- Download the app at the Postman website
- Once installation is complete, Select **New** in the sidebar and then select the type of request: GraphQL
- Or, hover over the icon next to the request name to switch request type to GraphQL

Configure OAuth2

In order to configure OAuth2 to be used with LWA (LoginWithAmazon), we need to reference the following:

- ApplicationId
- ClientId
- ClientSecret

We also need to provide safe listed URLs for: callback, auth and token URLs.

The FireFly team has already taken care of this for AmazonMusic developers:

1. Navigate to the Authorization tab (or create a tab by clicking "+" in the main pane)

🕸 Untitled Request



2. Change the Type dropdown to OAuth2.0

3. Change Add authorization data dropdown to Request Headers

4. Add the authorization URLs, Client ID and Secret and other fields as listed below this image:

🕸 Untitled Request	🕸 Untitled Request	🕸 Untitled Request	🕸 Untitled Request		+ •••		
🕸 Untitled Request							🖹 Save
https://gql.music.amazor	n.dev						Query
Query Authorization	Headers Schema S	cripts					^
Туре	OAuth 2.0 V	Configure New Token Configuration Options	Advanced Options				
Add authorization data to	Request Headers 🗸 🗸 🗸	Token Name		LWA - I	Firefly		
		Grant Type		Authoria	zation Code	~	
		Callback URL ③		https://	www.postman.com/oauth2/callba	ack	
				Auth	orize using browser		
		Auth URL ④		https://	www.amazon.com/ap/oa		
		Access Token URL (1)		https://	api.amazon.com/auth/o2/token		
		Client ID (1)		ASK DE ASSIST	VEX API TEAM ON-CALL FOR ANC팀	♪	
		Client Secret ④		ASK DE	VEX API TEAM ON-CALL	Δ	
		Scope 🕄		profile			
		State ④		State			
		Client Authentication		Send as	Basic Auth header	~	
		S Clear cookies					
		Get New Access Token					

Note: Ask the current Devex-API team on-call for assistance with the Client ID and Client Secret.

Here is the authorization data to add, as above:

Token name:

LWA - FireFly

Grant type:

Authorization Code

Callback URL:

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

Auth URL:

https://www.amazon.com/ap/oa

Access Token URL:

https://api.amazon.com/auth/o2/token

Client ID:

ASK DEVEX API TEAM ON-CALL FOR ASSISTANCE

Client Secret:

ASK DEVEX API TEAM ON-CALL FOR ASSISTANCE

Scope:

Profile

State: leave blank

Client Authentication:

Send as Basic Auth Header

Get new token

- Select Get New Access Token button at the bottom center of the screen
- Sign in with an existing Amazon account or test account that is used for Amazon Music:
 - To create a test account :
 - Go to Kamino https://kamino-na.corp.amazon.com/
 - Click "Search Preset"
 - Search "AmazonMusic_"
 - Select the desired preset and click "Create Customer".
 - Copy email and password for login.(Account created is valid for a month)
 - Sign into Amazon account using credentials copied in the above step.
- Select Allow access and Proceed

You'll see the below modal next. Select and copy the token, then click Use Token. You'll be adding the copied token to the header configuration in the next step.

New Import	🕸 Untitled Request	+ 000		
000	🕸 Untitled Requ	uest		
MANAG	E ACCESS TOKENS			×
All Toke	ens Delete ~	Token Details		Use Token
LWA Firefly		Token Name	LWA - Amazon 🖋	
LWA F	irefly	Access Token	Atza IwEBIPdtGh3ktexxrK2A12y6EYEzHd6Fi2O BcWfhG2GSzeZIBhKamVXx-TXbBaUITxjMVINpV	ticalW0QgAsPN7N VYEpDNJhczUljZX8
LWA - Firefly LWA - Firefly LWA - Amazon LWA - Amazon LWA - Amazon			zaqGiFZCkh_pzxnQkCYaZ6l6j9mG7hnl3ezUwlD qmXmYHQUdvOP0l6z_fh4vsXSA9fm5dCik4l7kp	jfrAXV5O-wxzL9y8 p4Vy5PZN9IPyBA6 om/ap/oa
			qC97dx4SCoovsuX22jeEq-uAF6I-jGHkM1dUutV VPbwYt5Ob9g1XdzrMXxWhW7bc8CrctqB91U7j	/JbNKijgSnvig3rnHF Zcq2onED6gT23ot n/auth/o2/toke
			9n6QadgQKojvs8SqI_J9_08vA_t1n0KKRZsr0vz sAkCvGr6Ahrg54crwq8t7238CduKP6NB1Gh2X	oh_ -client.609d20
		Token Type	bearer	
		refresh_token	Atzr lwEBIMUkzFcMhRu-6AG2TKvD5myU2EDzs gga45-0wRvCr0Y4nYXsxDd2WEf15MKOSqrOlp Bs0ZtqEALuUcsYauz9SW5HzdNQxVjUZwMA02	sNMPra0UmkGd7io RQjdFnOX55mzgpp qbxsCqUmBWvCQ
			State (1)	State
			Client Authentication	Send as Basic Auth header

Create a new header

Navigate to the Headers tab

🕸 Untitled Request	+ 000	0					
Untitled Request							
https://gql.music.a	mazon.dev	\mathbf{i}					
Query Authorizat	on Headers	Schema	Scripts				
Headers 💿 3 hidden							
Кеу						Value	

• To avoid losing the token copied in the previous step, you may want to first paste the token into a new Authorization header you create as shown below with Bearer Atza] prefixed.

Note: Atza may be present in the token itself, in such case add the prefix as Bearer alone

🕸 Untitle	ed Request	+ 000		
\$ U	ntitled Request			🖺 Save
https	://gql.music.amazo	n.dev		Query
Query	Authorization	Headers Schema Scripts		
	Ney		Value	
	Accept		*/*	
	Content-Type		application/json	
	x-api-key		amzn1.application.0fc8ceb4b7724acdb9b6695cf88b04b6	
	Authorization Key		Bearer AtzaliwEBIPdtGh3ktexxrK2A12y6EYEzHd6Fi2O1icalW0QgAsPN7NBcW ZIBhKamVXx- TXbBaUITxjMVINpWYEpDNJhczUljZX8zaqGiFZCkh_pzxnQkCYaZ6l6j9r UwIDjfrAXV5O- wxzL9y8qmXmYHQUdvOP0I6z_fh4vsXSA9fm5dCik4l7kp4Vy5PZN9IPy dx4SCoovsuX22jeEq-uAF6I- jGHkM1dUutVJbNKijgSnvig3rnHFVPbwYt5Ob9g1XdzrMXxWhW7bc8Cr Zcq2onED6gT23ot9n6QadgQKojVs8Sql_J9_08vA_t1nORKRZsr0vZ36C oeK-sAkCvGr6Ahrg54crwq8t7238CduKP6NB1Gh2Xoh_	fhG2GSze nG7hnI3ez /BA6qC97 ctqB91U7j DuWfEcv2
Body ====================================	Headers Test	Results	Status: 200 OK Time: 590.25 ms Size	∷ 86.11 KB

• Next, create the rest of the header entries under Key and Value:

Кеу	Value
Accept	*/*
Content-Type	application/json
x-api-key	amzn1.application.0fc8ceb4b7724acdb9b6695cf88b04b6
Authorization	Bearer Atza\ <your token=""></your>

Next, you're ready to query.

Invoke the GraphQL API

- Add https://gql.music.amazon.dev to the URL window to access the FireFly GraphQL API.
- Add your query and select Query



Here's the query example shown above:

```
query {
    track(id: "B0BS1XLZ75") {
        id
        audioQualities
    }
}
```