# Getting started with our APIs via Postman

07/24/2024 2:55 pm EDT

Today we will begin connecting with DrChrono's APIs using Postman. Before we start let's make sure you download Postman here: https://www.postman.com/downloads/

## Authorization

Let's begin by opening Postman and creating a collection. Navigate to the left-hand side of the page and select "Create Collection".



Once the collection is created and named, you should see tabs from the overview screen. Select "Authorization", choose the "Type" dropdown box and select "OAUTH 2.0", then scroll down to the "Configure New Token" section.

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_	<ul> <li>DrChrono API - User 1</li> </ul>		Overview Authorization • Pre-request	Script Tests Variables Runs	
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			Share Token This will allow anyone with access to this rea	quest to view and use it.	
			Configure New Token		
			Token Name	Enter a token name	
			Grant type	Authorization Code ~	
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#### Under the "Configure New Token" section, please fill out the following:

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Token Name	This can be anything. EX: Token A
Grant Type	Leave as is
Callback URL	https://oauth.pstmn.io/v1/browser-callback
AuthURL	https://drchrono.com/o/authorize/
Access Token URL	https://drchrono.com/o/token/
Client ID	From the DrChrono API Page
Client Secret	From the DrChrono API Page
Scope	labs:read labs:write messages:read messages:write patients:read patients:write patients:summary:read patients:summary:write settings:read settings:write tasks:read tasks:write user:read user:write billing:patient-payment:read billing:patient- payment:write billing:read billing:write calendar:read calendar:write clinical:read clinical:write
State	Leave as is
Client Authentication	Leave as is

Once everything is filled, select the orange button at the bottom of the page "Get New Access Token".



You will be redirected to a prompt box to sign into DrChrono and then redirected to another screen to Authorize the connection...select "Authorize"

Congratulations! You received Access and Refresh Tokens. Select "Use Token" from Postman to set the access token to your collection.

DrChrono Collection					
Overview Authorization • Scripts Te The authorization data will be automatically Learn more about <u>OAuth 2.0</u> authorization.	ests Variables • generated when you s		st.		
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				expires_in	172800
Share Token This will allow anyone with access to this red	quest to view and use			refresh_token	6npNQtxEzHGMmnpwu1pXZ0Chh90ZRY
Configure New Token				scope	tasks labs:write billing:read patients:read user:write messages:writ e billing:patient-payment:write user tasks:write patients:summary: write calendar user:read billing:patient-payment tasks:read billing:
Token Name	First Token				patient-payment:read patients:summary:read labs billing labs:read settings:read billing:write messages clinical:read patients message
Grant type	Authorization Code				settings:read billing:write messages clinical:read patients message s:read clinical:write clinical settings:write settings patients:summar v natients:write calenda:read calenda:write
Callback URL ④	https://oauth.pstm	n.io/v1/browser	r-c		

### **First Request Call**

Let's create your first DrChrono API Request Call. Add a request within your collection and let's call the following endpoint: https://app.drchrono.com/api/users/current

When adding a request, **ensure that it is made inside your collection**. We want to inherit the token we generated when making API calls.



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Here is how the request appears in Postman:

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#### **Alternative Configuration:**

Instead of creating a collection, you can configure a connection from the request level. To start, select the "New" or "+" button. If you select "New" you will be prompted to choose a specific method, select HTTP. If you select "+" icon, Postman will automatically create a new HTTP request.



From the new request, navigate to the Authorization tab and configure the new token. You can use the same details from above.

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The authorization data will be automatically generated when you send the request. Learn more about OAuth 2.0		Token	
Add authorization data to Request Headers	Header Prefix (3)	Bearer	
	Auto-refresh Token Your expired token will be auto-refreshed before	e sending a request.	
	Share Token This will allow anyone with access to this reques	st to view and use it.	
	Configure New Token		
	Token Name	Enter a token name	
	Grant type	Authorization Code	
	Callback URL ④	http://your-application.com/registered/callbac	
		Authorize using browser	
	Auth URL <sup>①</sup>	https://example.com/login/oauth/authorize	
	Access Token URL ④	https://example.com/login/oauth/access_toke	
	Client ID (3)	Client ID	
	Client Secret ④	Client Secret	
	Scope ④	e.g. read:org	
	State (1)	State	
	Client Authentication (3)	Send as Basic Auth header	
	> Advanced		
	(3) Clear cookies		
	Get New Access Token		

Once you are finished select "Get New Access Token" and you should be able to receive a new set of tokens to use. In that same instance, you can run any API resource from that request tab.

#### **Refresh Method**

Lastly, I would like to introduce the refresh token method. This will help automate the process of grabbing new access tokens. Our access token has an expiration date of 48 hours. Our refresh token does not have an expiration, the refresh token only invalidates if you go through the OAuth process again or utilize the /o/revoke\_token endpoint.

Here is a Python snippet depicting the refresh method.

import requests
url = "https://drchrono.com/o/token/"
payload = 'client_id=1234&client_secret=1234&grant_type=refresh_token&refresh_token=1234' headers = { 'Content-Type': 'application/x-www-form-urlencoded' }
response = requests.request("POST", url, headers=headers, data=payload)
print(response.text)

Let's also take a look at this in Postman.

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	client_secret	1234					
	grant_type	refresh_token					
	refresh_token	1234					
	Кеу	Value	Description				

I hope this information was useful! If you have any questions please reach out to api@drchrono.com

#### References

https://app.drchrono.com/api-docs/#section/Introduction

https://app.drchrono.com/api-docs-old/v4/documentation#orevoke\_token