

# Canadian Trade Repository - API Creation

In the production environment, go to your Customer Center and access My Profile by opening the menu under this icon:



Access the “API Management” menu, and select the “Create API ID” option.

## My Account ⌵

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API Management

CME Group Login Management

PGP Key Management

By creating and/or using an API ID, you agree to our [Terms of Use](#).

### What are API IDs?

API IDs are machine to machine IDs used for communication in CME Group applications that support an application programming interface to pass information.

In order to have an ID to gain access to an API application, please contact *CME Enterprise Application & System Entitlements*.

United States +1 312 456 1560

Europe +44 20 3379 3802

Asia +65 6593 5536

[EASE@cmegroup.com](mailto:EASE@cmegroup.com)

Show  entries

 Search

API ID <span>⌵</span>	Status <span>⌵</span>	Auth Type <span>⌵</span>	Application <span>⌵</span>	Role <span>⌵</span>	Scope <span>⌵</span>
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Create API ID

Claim API ID

Select OAuth as the type, and enter an ID you would like in the API ID (it can be any alpha-numeric value, but be mindful that it is case sensitive and will need to match directly in your API call).

### Create an API ID

Type ⌵

Basic Auth

OAuth

API ID (OAuth API ID is Case Sensitive)

api\_GRS\_sample

After clicking create, you will be given a password/secret. Please keep this value saved securely and exactly as it is displayed, this will be needed for the API call.

Create an API ID

✓ api\_GRS\_sample is created successfully.✕

Type ?

Basic Auth

OAuth

API ID (OAuth API ID is Case Sensitive)

api\_GRS\_sample

At this point, please email the CME team, who will take this API and grant it the proper permissions. This process is not instantaneous and may take up to a day or two. The CME team will follow up with you once the permissions are granted and effective. The first step below, generating the token, does not require these permissions and can be tested immediately upon API creation.

## Canadian Trade Repository - API Development Details

### Generate Auth Token

To generate auth token you will need API ID and Secret.

<b>Token URL</b>	NR: <a href="https://idpservicenr.cmegroup.com/v1/token">https://idpservicenr.cmegroup.com/v1/token</a> PROD: <a href="https://idpservice.cmegroup.com/v1/token">https://idpservice.cmegroup.com/v1/token</a>
<b>Request Type</b>	POST
<b>Request Body</b>	client_secret=<API_SECRET>  client_id=<API_ID>  grant_type=client_credentials

**Curl  
Command**

```
curl --request POST <URL>
-d 'client_secret=<API_SECRET>' \
-d 'client_id=<API_ID>' \
-d 'grant_type=client_credentials'
```

# CTR WS Endpoints - Submission

<b>Submission URL</b>	<b>NR:</b> <a href="https://posttrade.api.uat.cmegroup.com/ctr/datacapture-service/submitCSV/&lt;ASSET_CLASS&gt;">https://posttrade.api.uat.cmegroup.com/ctr/datacapture-service/submitCSV/&lt;ASSET_CLASS&gt;</a> <b>PROD:</b> <a href="https://posttrade.api.cmegroup.com/ctr/datacapture-service/submitCSV/&lt;ASSET_CLASS&gt;">https://posttrade.api.cmegroup.com/ctr/datacapture-service/submitCSV/&lt;ASSET_CLASS&gt;</a>												
	<b>Valid ASSET_CLASS VALUES:</b> CDS, IRS, FX, EQUITY, CMDTY												
<b>Http Header parameters</b>	<b>REQUEST TYPE:</b> POST <table border="1" data-bbox="306 543 963 793"> <thead> <tr> <th>Parameter Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Authorization</td> <td>Bearer &lt;OAuth2 Token&gt;</td> </tr> <tr> <td>Content-Type</td> <td>text/csv</td> </tr> </tbody> </table>	Parameter Name	Value	Authorization	Bearer <OAuth2 Token>	Content-Type	text/csv						
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<b>cURL Command</b>	<pre data-bbox="315 1640 1468 1787"> curl -k --location --request POST 'https://posttrade.api.dev.gcp.cme.com/sdr/submitCSV/EQUITY' \ --header 'Authorization: Bearer &lt;TOKEN&gt;' \ --header 'ActiveLEI: &lt;LEI&gt;' \ --form 'file=@&lt;FULLY_QUALIFIED_FILE_NAME&gt;' </pre>												

