

Trade Inquiry API

Below are the steps to access the Trade Inquiry API service

Step 1: Send mail to msm@nse.co.in for creating user account details in database.

For accessing the NOTIS API (Consumer Key & Consumer Secret) kindly provide the following details:

- Member Code
- Member Name
- Segments
- Static IP from which shall be used to login on NOTIS API
- Name of authorized personal
- Email id of authorized personal
- Contact details
- UAT or LIVE

This will be a one-time activity request. Once credentials are provided member need to directly follow step 2.

Step 2: Get the token from the Token service

URL (UAT): <https://www.devconnect2nse.com/token>

URL (Production/LIVE): <https://www.connect2nse.com/token>

Set the username (key) and password (secret) in Authorization tab as below. For REST service/API testing we can use Postman Tool or Talend API Tester (App from Google Chrome).

The below steps are using Postman tool.

Username: Will be provided from step 1

Password: will be provided from step 1

Click on Update Request button

The screenshot shows the Postman interface for a POST request to <https://www.devconnect2nse.com/token>. The 'Authorization' tab is selected, showing 'Basic A...' as the type. The 'Username' field is populated with 'f16f7d2af2e44eb9a2a7d539838db21e' and the 'Password' field is masked with dots. A 'Show Password' checkbox is present and unchecked. The interface also shows tabs for Params, Headers (13), Body, Pre-request Script, Tests, Settings, and Cookies.

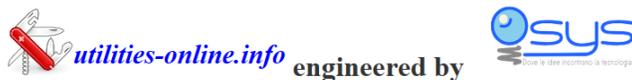
a) Set the headers as below:

KEY	VALUE	DESCRIPTIO	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> Authorization	Basic 8a4f56b5-340b-4110-9527-5fd088...				
<input checked="" type="checkbox"/> nonce	MjEwNjlwMTkxMjExMzgxMjk6ODM5OTcx				
<input checked="" type="checkbox"/> Content-Type	application/x-www-form-urlencoded				
Key	Value	Description			

For getting 'nonce' header go to this URL: <http://www.utilities-online.info/base64/>

- 1) Enter the date time on left hand side box as format: 29052017183036599:457873
- 2) Click on encode button.

The 'nonce' header will be generated in right side box. Refer below screenshot



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Base64 encoder/decoder online

In this page you can encoder or decoder in Base64 a string and viceversa.

29052017183036599:457873	<input type="button" value="encode -->"/> <input type="button" value="decode -->"/> <input type="button" value="<-- encode"/> <input type="button" value="<-- decode"/>	MjEwNjlwMTkxODM5OTcxMjExMzgxMjk6ODM5OTcx
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b) Set the body details as below:

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> grant_type	client_credentials			
Key	Value	Description		

Click on Send button. You will get the below response in JSON format.

```
1 {
2   "access_token": "8a4f56b5-340b-4110-9527-5fd088420785",
3   "token_type": "bearer",
4   "expires_in": 32399,
5   "scope": "api_scope"
6 }
```

Step 3: Access the Trade Inquiry API Service.

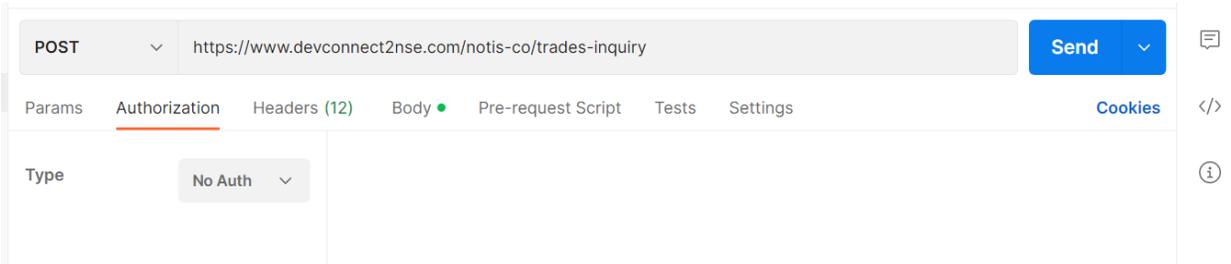
UAT:

Trade Inquiry: <https://www.devconnect2nse.com/notis-co/trades-inquiry>

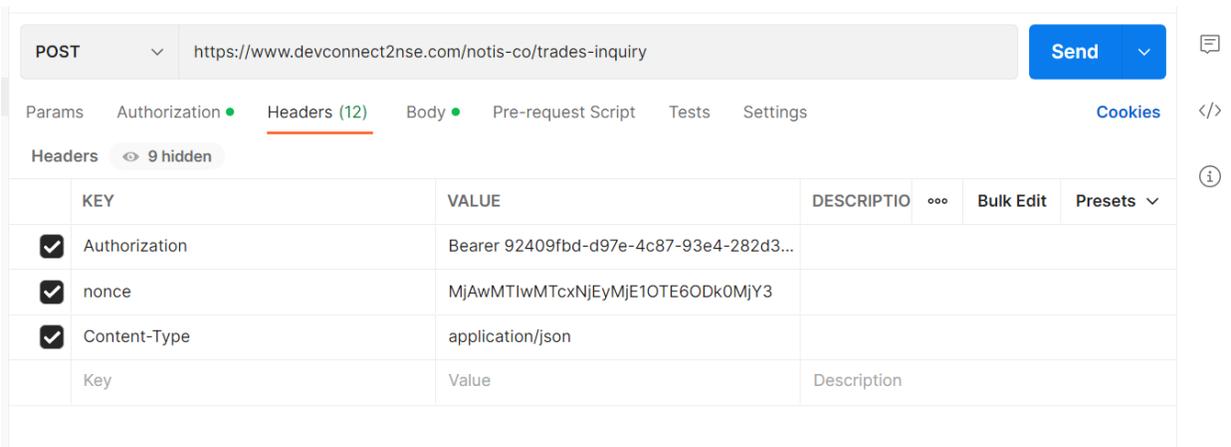
Production/LIVE:

Trade Inquiry: <https://www.connect2nse.com/notis-co/trades-inquiry>

a) Don't set the Authorization tab values here.

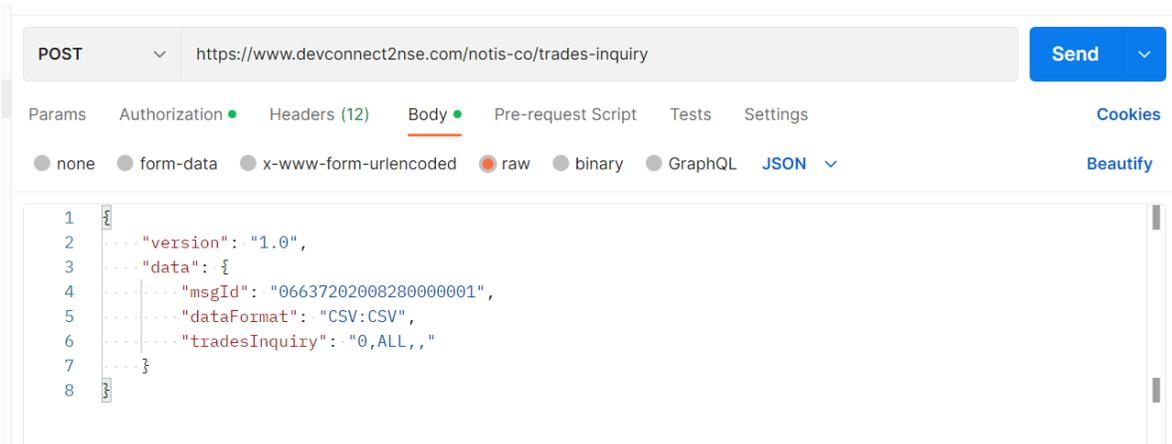


b) Set the headers as below:



We need to set Authorization key value as Bearer 'Token value' obtained from Step 1. The nonce value obtained will be same as obtained in Step 1.

c) Set the body tab with the required request body.



Click the Send button to get the response.

Disclaimer: The data provided in screenshots is sample data and is not applicable for any user.

Usage Guidelines:

- a) Members should limit requests to 15 seconds between each request to the Trade Inquiry API/token service.
- b) Members can send requests to the API between 6:30 AM to 5 AM next day. Kindly note that NOTIS services shall not be available between 5 AM to 6:30 AM due to maintenance activity.
- c) Failure to adhere to the above guidelines will result in removal of IP from whitelist which means that member will not be able to access the API until IP is re-added to the whitelist.