

## Trade Inquiry API

Below are the steps to access the Trade Inquiry API service

**Step 1:** Send mail to [msm@nse.co.in](mailto: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

POST [https://www.devconnect2nse.com/token ...](#) [Send](#)

Params **Authorization** Headers (13) Body Pre-request Script Tests Settings [Cookies](#)

Type: Basic A... [Learn more about authorization](#)

The authorization header will be automatically generated when you send the request.

Username: f16f7d2af2e44eb9a2a7d539838db21e

Password: ..... ☐ Show Password

a) Set the headers as below:

POST ▼ https://www.devconnect2nse.com/token ... Send ▼

Params Authorization ● **Headers (13)** Body ● Pre-request Script Tests Settings Cookies

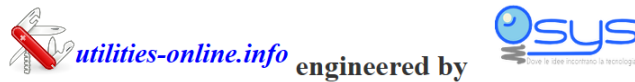
Headers 👁 10 hidden

	KEY	VALUE	DESCRIPTIO	...	Bulk Edit	Presets <span>▼</span>
<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				<span>🗑</span>
	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



My IP Temporary free email service Unix Epoch Time converter XML Tools ▼ Conversion/Encoding Tools ▼ Articles Other off-site resources Donate Donate 0

**Base64 encoder/decoder online**

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

29052017183036599:457873

MjEwNjlwMTkxMjExMzgxMjk6ODM5OTcx

encode -->  
decode -->  
<-- encode  
<-- decode

b) Set the body details as below:

POST ▼ https://www.devconnect2nse.com/token ... Send ▼

Params Authorization ● Headers (13) Body ● Pre-request Script Tests Settings Cookies </>

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL i

	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.

POST ▼ https://www.devconnect2nse.com/token ... Send ▼

Params Authorization ● Headers (13) Body ● Pre-request Script Tests Settings Cookies

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL

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

Body Cookies (1) Headers (20) Test Results 🌐 200 OK 5.88 s 894 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ ≡

```
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.

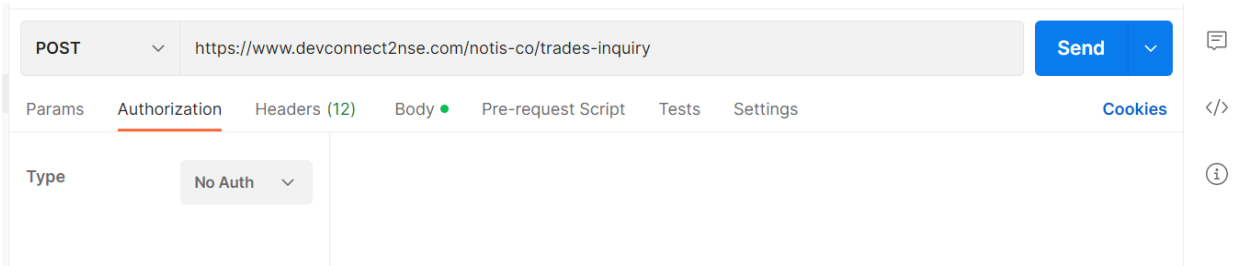
**UAT:**

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

**Production/LIVE:**

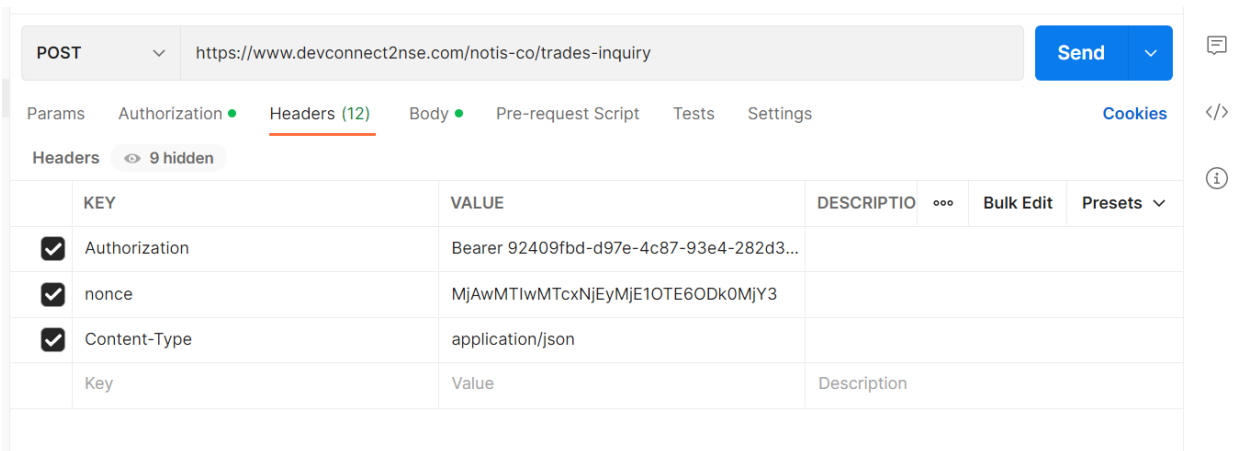
Trade Inquiry: <https://www.connect2nse.com/notis-co/trades-inquiry>

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



The screenshot shows the 'Authorization' tab of a REST client interface. The URL bar at the top displays 'https://www.devconnect2nse.com/notis-co/trades-inquiry'. Below the URL bar, the 'Authorization' tab is selected, and a dropdown menu shows 'No Auth' as the chosen option. Other tabs like 'Params', 'Headers (12)', 'Body', 'Pre-request Script', 'Tests', and 'Settings' are visible. A 'Send' button is located on the right side of the interface.

b) Set the headers as below:



The screenshot shows the 'Headers' tab of a REST client interface. The URL bar at the top displays 'https://www.devconnect2nse.com/notis-co/trades-inquiry'. Below the URL bar, the 'Headers' tab is selected, and a table of headers is displayed. The table has columns for 'KEY', 'VALUE', 'DESCRIPTION', 'Bulk Edit', and 'Presets'. Three headers are listed: 'Authorization' with value 'Bearer 92409fbd-d97e-4c87-93e4-282d3...', 'nonce' with value 'MjAwMTIwMTcxNjEyMjE1OTE6ODk0MjY3', and 'Content-Type' with value 'application/json'. A 'Send' button is located on the right side of the interface.

KEY	VALUE	DESCRIPTION	Bulk Edit	Presets
<input checked="" type="checkbox"/> Authorization	Bearer 92409fbd-d97e-4c87-93e4-282d3...			
<input checked="" type="checkbox"/> nonce	MjAwMTIwMTcxNjEyMjE1OTE6ODk0MjY3			
<input checked="" type="checkbox"/> Content-Type	application/json			
Key	Value	Description		

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.