

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 request type is set to POST. The Authorization tab is active, showing Basic Auth selected. The Username field contains the value 962b152b51fa4fd79385284bcab3b444. The Password field is masked with dots. There are buttons for 'Send', 'Save', 'Clear', and 'Update Request'. A note indicates that the authorization header will be generated and added as a custom header. There are also checkboxes for 'Save helper data to request' and 'Show Password'.

a) Set the headers as below:

The screenshot shows a REST client interface with the following details:

- Method: POST
- URL: https://www.devconnect2nse.com/token
- Buttons: Params, Send, Save
- Active Tab: Headers (3)
- Other Tabs: Authorization, Body, Pre-request Script, Tests, Code
- Table of Headers:

Key	Value	Bulk Edit	Presets
<input checked="" type="checkbox"/> Authorization	Basic OTYyYjE1Mm11MWZhNGZkNzkODUyODRiY2FmM2lONDRjdmNjllZjRiZWVjNDk0MGZ...		
<input checked="" type="checkbox"/> Content-Type	application/x-www-form-urlencoded		
<input checked="" type="checkbox"/> nonce	MDEwNjJwMTcxNTMwMzY1OTk6NDU3ODcz		X
<input type="text" value="New key"/>	<input type="text" value="value"/>		

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



Base64 encoder/decoder online

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

<pre>29052017183036599:457873</pre>	<pre>MjkwNTIwMTcxODMwMzY1OTk6NDU3ODcz</pre>
<p>encode --> decode --> <-- encode <-- decode</p>	

b) Set the body details as below:

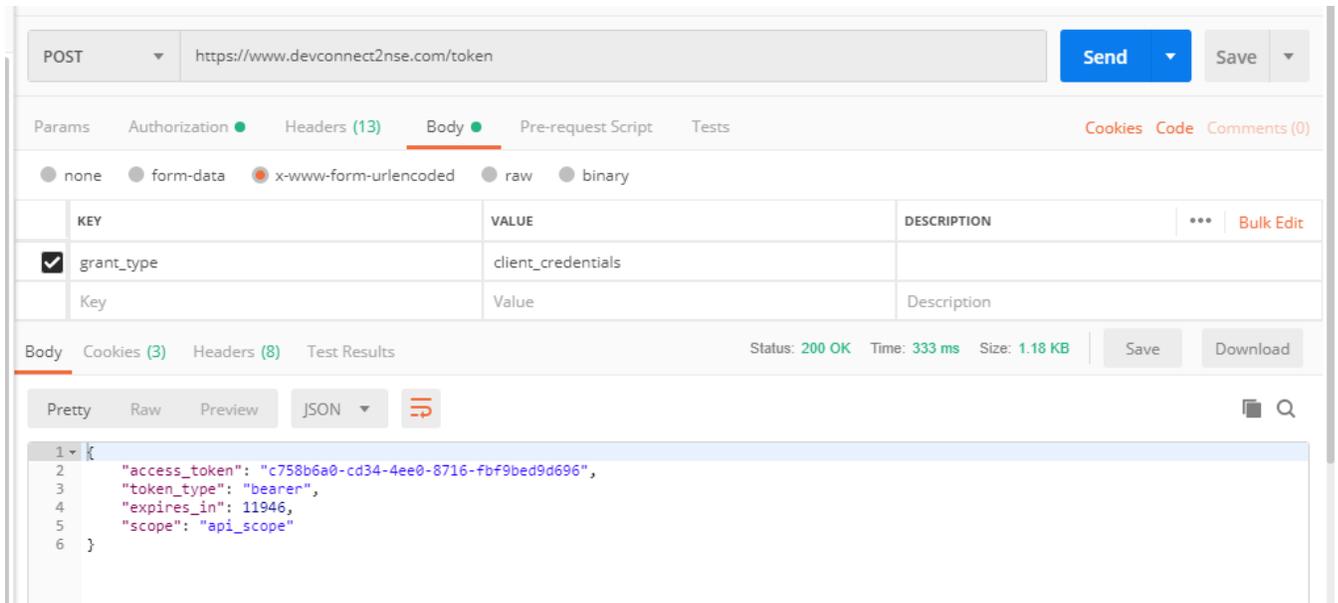
POST <https://www.devconnect2nse.com/token> Params [Send](#) [Save](#)

Authorization Headers (3) **Body** Pre-request Script Tests [Code](#)

form-data x-www-form-urlencoded raw binary

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> grant_type	client_credentials	X
<input type="text" value="New key"/>	value	

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



Step 3: Access the Trade Inquiry API Service.

UAT:

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

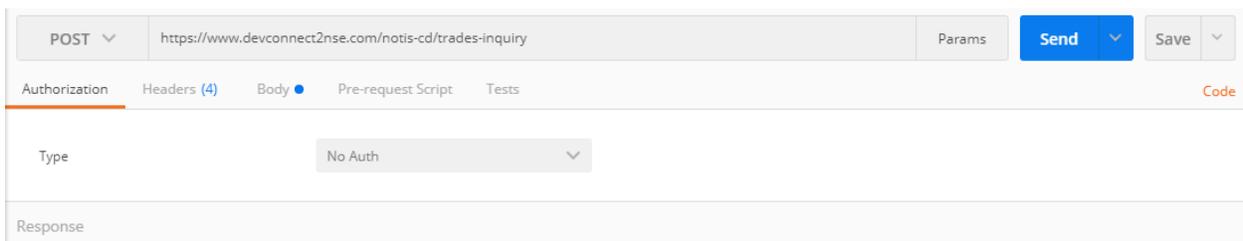
Actions Inquiry: <https://www.devconnect2nse.com/inquiry-fo/actions-inquiry>

Production/LIVE:

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

Actions Inquiry: <https://www.connect2nse.com/inquiry-fo/actions-inquiry>

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



b) Set the headers as below:

POST ▼ https://www.devconnect2nse.com/notis-cd/trades-inquiry Params Send Save ▼

Authorization Headers (4) Body ● Pre-request Script Tests Code

Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> Accept	application/json				
<input checked="" type="checkbox"/> Content-Type	application/json				
<input checked="" type="checkbox"/> nonce	MjcwNzlwMTcxMTMwMzY1OTk6NDU3ODcz				
<input checked="" type="checkbox"/> Authorization	Bearer f7bd4fc0-a83a-4f0e-ac13-b7e46bed9854				
<input type="text" value="New key"/>	Value	Description			

Response

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.

POST ▼ https://www.devconnect2nse.com/notis-cd/trades-inquiry Params Send Save ▼

Authorization Headers (4) Body ● Pre-request Script Tests Code

form-data
 x-www-form-urlencoded
 raw
 binary
 JSON (application/json) ▼

```

1- { "version": "1.0",
2-   "data": {
3-     "msgId": "0663701705300000001",
4-     "dataFormat": "CSV:CSV",
5-     "tradesInquiry": "0,ALL,"
6-   }
7- }

```

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:

- Members should limit requests to **15 seconds** between each request to the Trade Inquiry API/token service.
- 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.**
- 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.