

## 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

The screenshot shows the Postman interface for a POST request to <https://www.devconnect2nse.com/token>. The interface includes tabs for Authorization, Headers (3), Body, Pre-request Script, and Tests. The Authorization tab is active, showing the following configuration:

- Type: Basic Auth
- Username: 962b152b51fa4fd79385284bcab3b444
- Password: [Masked]
- Buttons: Clear, Update Request

Additional text in the interface includes: "The authorization header will be generated and added as a custom header" and "Save helper data to request" (unchecked).

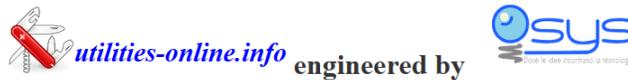
a) Set the headers as below:

Key	Value
Authorization	Basic OTYyYjE1Mm11MWZhNGZkNzk0DUyODRIyZmZiNDQ6NjdmNjJlZjRiZWVjNDk0MGI2...
Content-Type	application/x-www-form-urlencoded
nonce	MDEwNjIwMTcxNTMwMzY1OTk6NDU3ODcz

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	MDEwNjIwMTcxNTMwMzY1OTk6NDU3ODcz
--------------------------	----------------------------------

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

Note: A new unique nonce value will have to be sent for each subsequent request otherwise the member will face 401 error.

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
New key	value	

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

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

Params Authorization ● Headers (13) Body Pre-request Script Tests Cookies Code Comments (0)

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

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

Body Cookies (3) Headers (8) Test Results Status: 200 OK Time: 333 ms Size: 1.18 KB Save Download

Pretty Raw Preview JSON ≡

```
1 {
2   "access_token": "c758b6a0-cd34-4ee0-8716-fbf9bed9d696",
3   "token_type": "bearer",
4   "expires_in": 11946,
5   "scope": "api_scope"
6 }
```

**Step 3:** Access the Trade Inquiry API Service.

**UAT:**

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

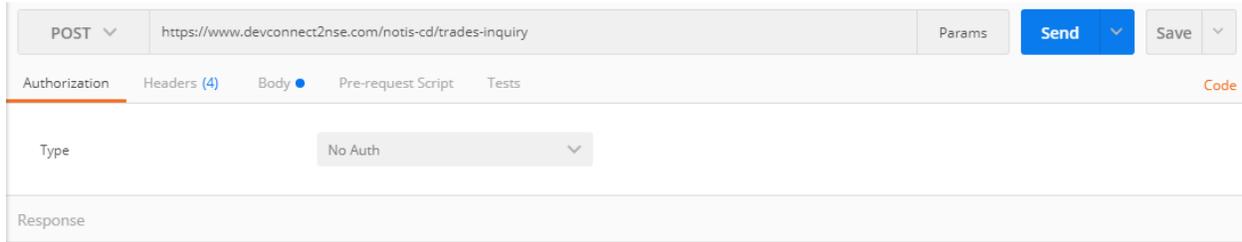
Actions Inquiry: <https://www.devconnect2nse.com/inquiry-fo/actions-inquiry>

**Production/LIVE:**

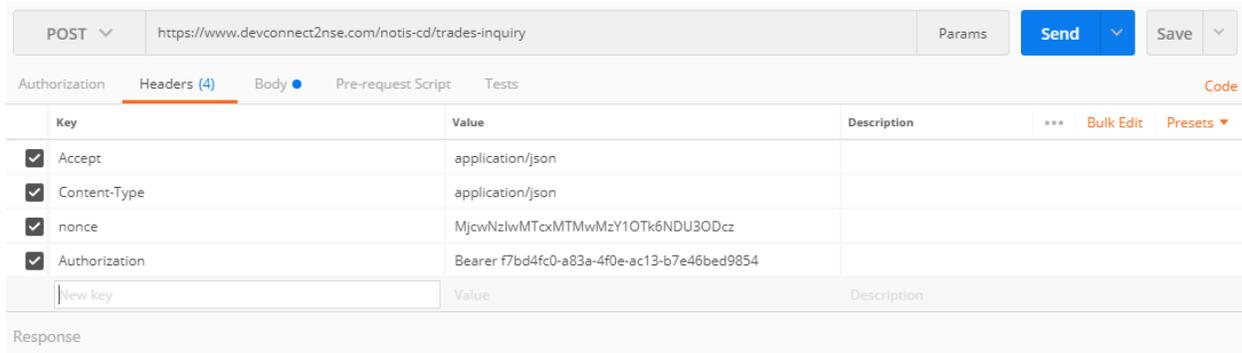
Trade Inquiry: <https://www.connect2nse.com/inquiry-fo/trades-inquiry>

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

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

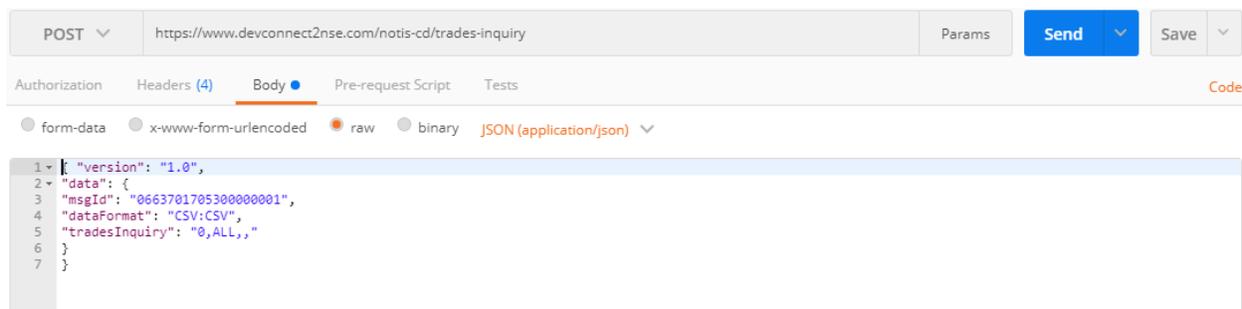


b) Set the headers as below:



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.