

API Documentation

1. Introduction

In this application, we are scrapping the ROC and RD violation data from the MCA website on a daily basis and storing those data in the database. The data from the database is retrieved through the API interface. Please refer to the below steps to retrieve the data using the API Interface.

2. Objective

API is the acronym for application programming interface — a software intermediary that allows two applications to talk to each other. APIs are an accessible way to extract and share data within and across organizations.

3. Supported API function

Get order by Date

HTTP Method : GET

ROC: <http://127.0.0.1:8000/api/v1/ROC/getMcaOrderByDate/?date=2023-12-28>

RD: <http://127.0.0.1:8000/api/v1/ROC/getMcaOrderByDate/?date=2023-12-28>

Description :

The Get Order By Date function allows you to get the data from the given date and type of order .

The date format should be in "yyyy-mm-dd" For example, if we give 2024-02-27. It will return the data from that date only

The type of order should be in <str:type_of_order> for example ROC or RD It will return the data from the type chosen (ROC or RD).

Request Parameters:

Parameter Name	Description
Date	The Date format should be in "yyyy-mm-dd".
Limit	Number of data should be returned as per the user.
Offset	Used to eliminate a set of records from a given table in order to retrieve a set of records according to the requirement of the database.

Note:

If nothing is provided in the Limit and Offset field it takes the default Limit value 50 and Offset value 0.

JSON Response :

<http://127.0.0.1:8000/api/v1/ROC/getMcaOrderByDate/?date=2024-02-26&limit=2>

```
{
  "result": [
    {
      "title of order": "In the matter of 10 Limited Liability Partnerships",
      "type_of_order": "ROC",
      "ROC RD LOCATION": "Uttarakhand",
      "date_of_order": "22-02-2024",
      "link to order": "https://www.mca.gov.in/bin/dms/getdocument?mds=UhxM5yQY17P0NdiJWIHblw%253D%253D&type=open",
      "pdf_file_path": "downloaded_documents\\ROC\\2024\\February\\LLP-STRIKE-OFF-2024-20240223.pdf",
      "pdf file name": "LLP-STRIKE-OFF-2024-20240223",
      "updated_date": null,
      "date scrapped": "2024-02-26T12:48:17Z"
    },
    {
      "title_of_order": "Adjudication order passed under Section 454 of the Companies Act, 2013 in the matter of Utkal Chamber of Commerce and Industry Limited",
      "type_of_order": "ROC",
      "ROC RD LOCATION": "Cuttack",
      "date_of_order": "21-02-2024",
      "link to order": "https://www.mca.gov.in/bin/dms/getdocument?mds=L8dxI26XsLENHM0T6pJfRA%253D%253D&type=open",
      "pdf file path": "downloaded_documents\\ROC\\2024\\February\\Utkal-Chamber-Of-Commerce-And-Industry-Limited-20240221.pdf",
      "pdf file name": "Utkal-Chamber-Of-Commerce-And-Industry-Limited-20240221",
    }
  ]
}
```

```

        "updated_date": null,
        "date_scraped": "2024-02-26T12:48:17Z"
    },
    "total_count": 2225,
    "total_pdf_download_link": "http://127.0.0.1:8000/api/v1/ROC/download_pdfs/?date=2024-02-26&limit=2&offset=0"
}

```

JSON “result” value: In this function the possible values of the above JSON result field are :
We retrieve the data of ROC and RD Violations from the date given by the user.

A link has been provided at the end of the response -“ `total_pdf_download_link`” which provides a zip file of all the pdf received as output from the particular parameters given as input (type of order, date, limit, offset). Also pdf file is downloaded as respective folder wise in zipfile. For example following folder structure is downloaded.

```

"downloaded_documents\\ROC\\2024\\February\\LLP-STRIKE-OFF-2024-20240223.pdf",
"downloaded_documents\\ROC\\2024\\February\\Utkal-Chamber-Of-Commerce-And-Industry-
Limited-20240221.pdf"

```

Note : maximum size of pdf document download for all 2 mca orders is 500 . for example when we click `total_pdf_download_link` following error occurs is as follows:

<http://127.0.0.1:8000/api/v1/ROC/getMcaOrderByDate/?date=2024-02-27&limit=501>

HTTP 400 Bad Request

Allow: GET, HEAD, OPTIONS

Content-Type: application/json

Vary: Accept

```

{
  "result": "Limit should not exceed 500"
}

```

Here if we want first 500 results then we need to enter end point like this

<http://127.0.0.1:8000/api/v1/ROC/getMcaOrderByDate/?date=2024-02-27&limit=500>

Here if we want 500 to 1000 results then we need to enter end point like this

<http://127.0.0.1:8000/api/v1/ROC/getMcaOrderByDate/?date=2024-02-27&limit=1000&offset=500>

Here if we want 1000 to 1500 results then we need to enter end point like this

<http://127.0.0.1:8000/api/v1/ROC/getMcaOrderByDate/?date=2024-02-27&limit=1500&offset=1000>

4. Error Messages

This API error occurs when a server refuses to fulfill a request from the client due to other restrictions put in place by the API provider. In that case it results also the error code and the error message.

Here is how an Error Reply looks like:

Here is the complete list of Error codes and Error messages:

Error Code	Error Message
422	Invalid date format, should be YYYY-MM-DD and Invalid limit or offset value , must be an integer
401	No data provided in your specific date
404	Resource not found