



IGM API Feed Onboarding and FAQ's

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About the APIHub

IGM is the primary source for live, trusted syndicated bond data and intelligence, and a leading provider of insight on market-moving events in foreign exchange and rates markets.

This guide provides instructions for using the APIHub to access and retrieve financial deals data. It includes details on API integration, such as how to make authorized API requests, use OData query capabilities, and handle date-based searches with the updated_at field. The guide also provides example cURL commands to fetch recent deals, paginate through multiple records, and retrieve specific deals using an ISIN filter. Additionally, it offers tips for viewing JSON output in Firefox and suggestions for refreshing data periodically to ensure it remains up-to-date.

Overview

APIHub provides a powerful integration tool to connect deal data with stories, leveraging 25 years of trends and insights. With support for OData, users can construct complex queries to retrieve tailored data.

Key features:

- **Connection between deals and stories:** Seamlessly link deals to relevant stories for comprehensive insights.
- **Real-time data access:** Obtain up-to-the-minute deal data as it happens.
- **OData query support:** Build powerful queries for precise data retrieval.

Accessing APIHub

API documentation:

- Access API documentation for detailed endpoint descriptions and testing: [API Docs](#)

Server URL:

- Base URL for API requests: [API Server](#)
- [Deals URL](#)

Authorization:

To test out an API request on the IGM Swagger page (<https://apihub.informagm.com/apidocs/index.html>), copy and paste the following string of text into the authorization field of the parameters section for the endpoint you want to test. Replace <secret_token> and <company_key> with your actual credentials.

```
Token token=<secret_token>, company_key=<company_key>
```

Using the updated_at field

The updated_at field enables filtering of deals based on their timestamp and can be used as a 'stop' date/time function.

The API will pull all deals from the current date/time and deliver all the deals going back to the 'updated_at' date/time.

Here's how it works:

The API returns all Deals going back to the 'updated_at' date/time in Deal ID (Deal record number) descending order. The API will start from the most recent Deal ID and work backwards until it reaches the 'updated_at' date/time.

'updated_at' is a less or equal function \leq 'updated_at' is not a greater or equal function \geq

- **Date Formats:**

- Date: YYYY-MM-DD
- Date/Time: YYYY-MM-DDTHH:MM:SS+HH:MM

Examples:

- 2021-08-31 (Date format)
- 2021-08-31T14:00:00+01:00 (Date/Time format)

- **Time Zones:**

- +00:00 represents UTC.
- +01:00 represents UTC+1.

API limits with updated_at

Due to API limits, only 100 records can be returned per API call. To retrieve more data:

1. Use the page parameter to navigate through pages.
2. Use the per parameter to set the number of records per call (up to 100).

Therefore, if your API 'updated at' query generates 124 Deals, you would need to make two API calls to return all the Deals.

Example: To retrieve all deals updated until 31st August at 14:00 (UTC+1), split the query into multiple calls:

```
updated_at=2021-08-31T14%3A00%3A00%2B01%3A00&page=1&per=100  
updated_at=2021-08-31T14%3A00%3A00%2B01%3A00&page=2&per=100
```

Handling special characters in URLs

What can make these API queries tricky to do is the fact that you cannot put the symbols '+' or ':' into the URLs of API calls.

When constructing API URLs:

- Convert + to %2B
- Convert : to %3A

For example:

```
updated_at=2021-08-31T14%3A00%3A00%2B01%3A00&page=1&per=100
```

Making API calls with curl

For command-line interaction, use curl with proper headers for authorization and JSON output.

Example:

```
curl -X GET --header "Accept: application/json" --header "Authorization: Token token=YOUR_TOKEN, company_key=YOUR_KEY" https://www.informagm.com/api/v1/feeds/deals?updated_at=2021-08-31T14%3A00%3A00%2B01%3A00&page=1&per=100 > deals_page1.json
```

API testing and help

For detailed guidance and quick testing, visit the API Help page: [API Help](#)

Additional resources:

- **OData Documentation:** [OData Documentation](#)
- **URL Encoding Reference:** [URL Encoding Guide](#)



Here is how to replicate the previous query:

GET /deals
Deals

Implementation Notes
Retrieves all deals and associated users, tranches, distributions, book_manager_banks, other_manager_banks, issuers, countries, industries, destinations, and meta

Optional query params destinations, page, and per filter results by destination, page number, and number of items per page. If left unspecified, the page parameter defaults to 1 and the per parameter defaults to 10. Please note that multiple destinations must be entered as multiple parameter instances rather than multiple values for a single instance. See example below.

Example. The following returns deals and associated users, tranches, distributions, book_manager_banks, other_manager_banks, issuers, countries, industries, destinations, and meta with destinations "credit" and "europe":

```
api/v1/feeds/deals?destinations%5B%5D=credit&destinations%5B%5D=europe
```

Response Class (Status 200)

Model **Model Schema**

```
{
  "call_protection": "string",
  "class_name": "string",
  "coupon": "string",
  "coupon_type": "string",
  "cusip": "string",
  "created_at": "2021-09-01T12:50:40.653Z",
  "credit_enhancement": "string",
  "date_offered": "2021-09-01T12:50:40.653Z",
  "dms_rating": "string",
  "deal_type": [
    ...
  ]
}
```

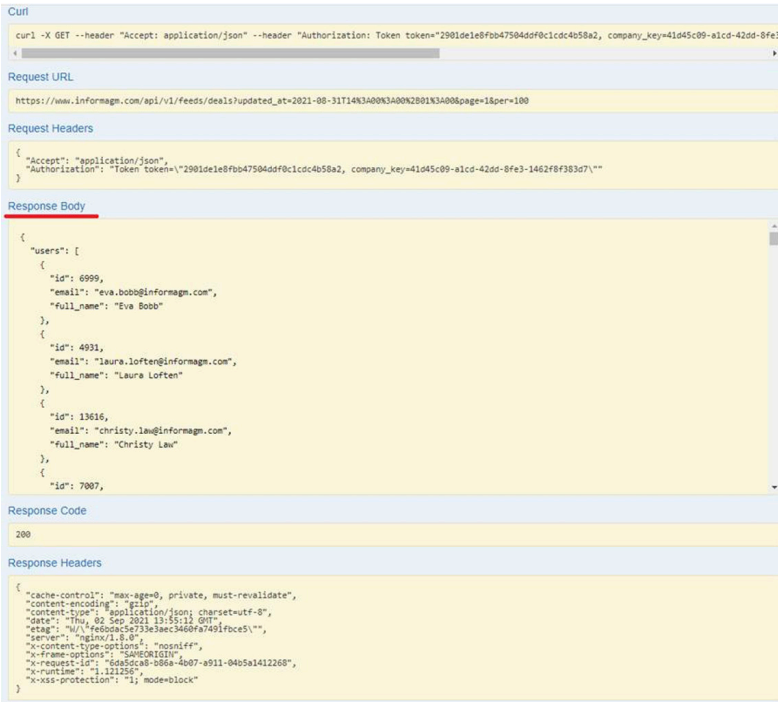
Response Content Type

Parameter	Value	Description	Parameter Type	Data Type
updated_at	<input type="text" value="2021-08-31T14:00:00-01:00"/>	date last updated, format as '2001-12-31' for date only or '2001-12-31T04:05:06-07:00' for datetime	query	string
page	<input type="text" value="1"/>	page number (default is 1)	query	integer
per	<input type="text" value="100"/>	number of items per page (default is 10)	query	integer
destinations[]	<input type="text"/>	destination names Provide multiple values in new lines.	query	Array[string]
Authorization	<input type="text" value="Token token=2901de1e8bb47504ddf0c1cdc4b2"/>	Authorization steps at top of page	header	string

Try it out! Hide Response



Click on **'Try it Out'** to see results in the 'Response Body' box:



The screenshot shows a CURL tool interface with the following details:

- Request URL:** `https://www.informagn.com/api/v1/feeds/deals?updated_at=2021-08-31T14N3A00N3A00N2B01N3A00&page=1&per=100`
- Request Headers:**

```
{
  "Accept": "application/json",
  "Authorization": "Token token='2901de1e8fb47504d9f0c1cc4b58a2, company_key=41045c09-a1cd-42dd-8fe3-1462f6f383d7'"
}
```
- Response Body:**

```
{
  "users": [
    {
      "id": 6999,
      "email": "eva.bobb@informagn.com",
      "full_name": "Eva Bobb"
    },
    {
      "id": 4931,
      "email": "laura.loften@informagn.com",
      "full_name": "Laura Loften"
    },
    {
      "id": 13616,
      "email": "christy.law@informagn.com",
      "full_name": "Christy Law"
    },
    {
      "id": 7007,

```
- Response Code:** 200
- Response Headers:**

```
{
  "cache-control": "max-age=0, private, must-revalidate",
  "content-encoding": "gzip",
  "content-type": "application/json; charset=utf-8",
  "date": "Thu, 02 Sep 2021 13:53:12 GMT",
  "etag": "W/1\"fe60dace733e3a6c3460fa7491f3ce5\"",
  "server": "nginx/1.9.0",
  "x-content-type-options": "nosniff",
  "x-frame-options": "DENY",
  "x-request-id": "6da5dc48-b86a-4b07-a911-04b5a1412268",
  "x-runtime": "1:12256",
  "x-ssr-protection": "1; mode=block"
}
```

Example cURL commands

Below are the updated cURL commands for accessing deal data via the API. Ensure you have the correct Token and company_key before executing the commands. These commands allow you to retrieve deals in different scenarios such as getting the most recent deals, paging through multiple records, or fetching a deal by ISIN.

1. Get the most recent 10 deals published (Default)

The API defaults to returning 10 records if not specified otherwise.

```
curl -X GET --header "Accept: application/json" --header
"Authorization: Token token=123xyz, company_key=xyz123"
"https://api.informagn.com/api/v1/deals" > "Deals_10.json"
```

2. Get the most recent 100 deals published

The API can return a maximum of 100 records per API call. Use this command to retrieve the most recent 100 deals.

```
curl -X GET --header "Accept: application/json" --header "Authorization: Token token=123xyz, company_key=xyz123" "https://api.informagm.com/api/v1/deals?per=100" > "Deals_100_page1.json"
```

3. Get the next 100 records (Page 2)

To retrieve the next 100 records (i.e., page 2 of your query), use the page parameter to specify the page number.

```
curl -X GET --header "Accept: application/json" --header "Authorization: Token token=123xyz, company_key=xyz123" "https://api.informagm.com/api/v1/deals?page=2&per=100" > "Deals_100_page2.json"
```

4. Retrieve a single deal by ISIN

To retrieve a specific deal using its ISIN, use the \$filter parameter to filter the data by ISIN.

```
curl -X GET --header "Accept: application/json" --header "Authorization: Token token=123xyz, company_key=xyz123" "https://api.informagm.com/api/v1/deals?page=2&per=100" > "Deals_100_page2.json"
```

Viewing JSON output files

To easily view the JSON output, you can open the .json files in Firefox, which has a built-in JSON viewer.

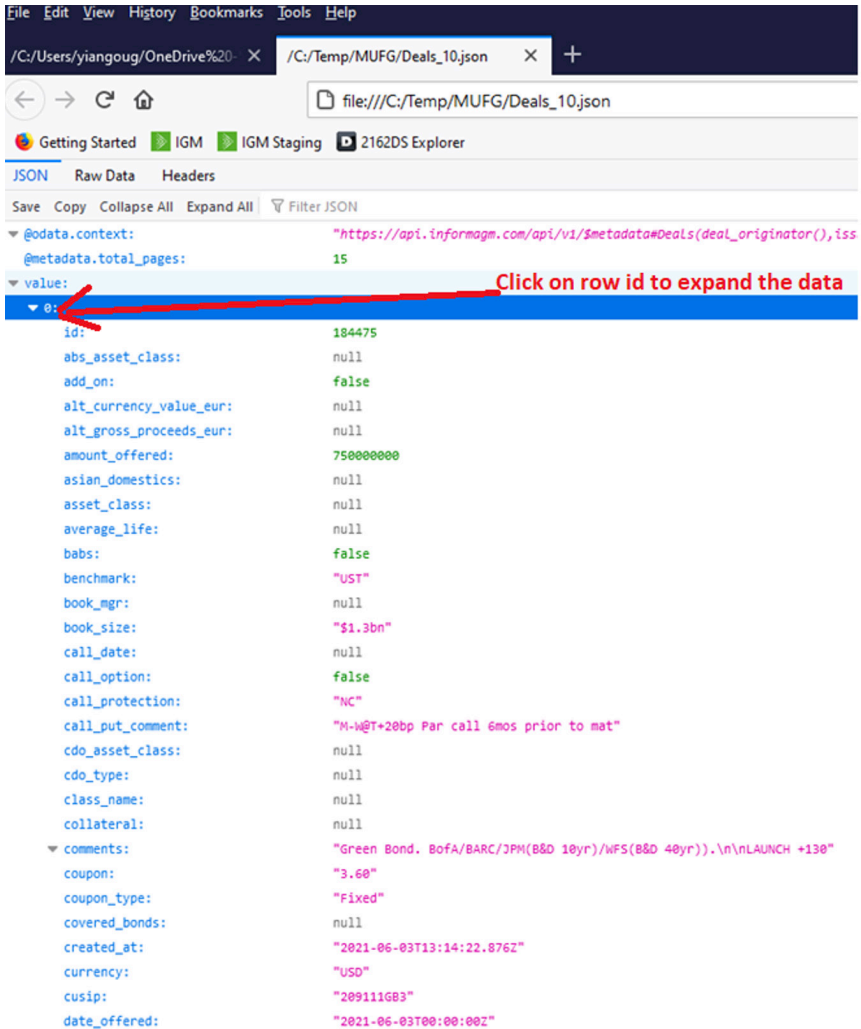
• Steps to Open JSON in Firefox:

1. Right-click on the JSON file.
2. Choose Open with....
3. Select Firefox. If it's not listed, select More apps and navigate to C:\Program Files\Mozilla Firefox\Firefox.exe.

Refreshing deals data

Since new deals are published frequently, you may want to refresh your API requests to get the latest 100 records every few minutes. This can help ensure your data is up to date throughout the day.

This is what json looks like in Firefox:



The screenshot shows the Firefox browser's developer tools with the JSON view expanded. The URL bar shows the file path: `file:///C:/Temp/MUFG/Deals_10.json`. The JSON data is as follows:

```

@odata.context: "https://api.informagm.com/api/v1/$metadata#Deals(deal_originator()),iss"
@metadata.total_pages: 15
value:
  0:
    id: 184475
    abs_asset_class: null
    add_on: false
    alt_currency_value_eur: null
    alt_gross_proceeds_eur: null
    amount_offered: 75000000
    asian_domestics: null
    asset_class: null
    average_life: null
    babs: false
    benchmark: "UST"
    book_mgr: null
    book_size: "$1.3bn"
    call_date: null
    call_option: false
    call_protection: "NC"
    call_put_comment: "M-W@T+20bp Par call 6mos prior to mat"
    cdo_asset_class: null
    cdo_type: null
    class_name: null
    collateral: null
    comments: "Green Bond. BofA/BARC/JPM(B&D 10yr)/WFS(B&D 40yr)).\n\nLAUNCH +130"
    coupon: "3.60"
    coupon_type: "Fixed"
    covered_bonds: null
    created_at: "2021-06-03T13:14:22.876Z"
    currency: "USD"
    cusip: "209111GB3"
    date_offered: "2021-06-03T00:00:00Z"
  
```

A red arrow points to the '0' index of the 'value' array, and a red text annotation says "Click on row id to expand the data".

Need more information or have further questions?

Contact our sales team at sales@informagm.com