

## HOW TO USE DATA API



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## 1. How to use DATA API via OAuth2 - technical part

The main functional flows are represented in <https://coface.github.io/DataAPI.html#process>

After the proper authentication, always the customer needs to:

- start with Searching and identifying a company,
- check the products availability,
- order a product,
- **check the status of the order** and
- Retrieve the data.

All functional calls below can be found in the Postman collection uploaded under <https://coface.github.io/DataAPI.html#documentation>

**Remark!!** In the sample calls which follow, the variable `{{dataAPIBaseUrl}}` = <https://icon-api-test.coface.com/dataapi-v1>

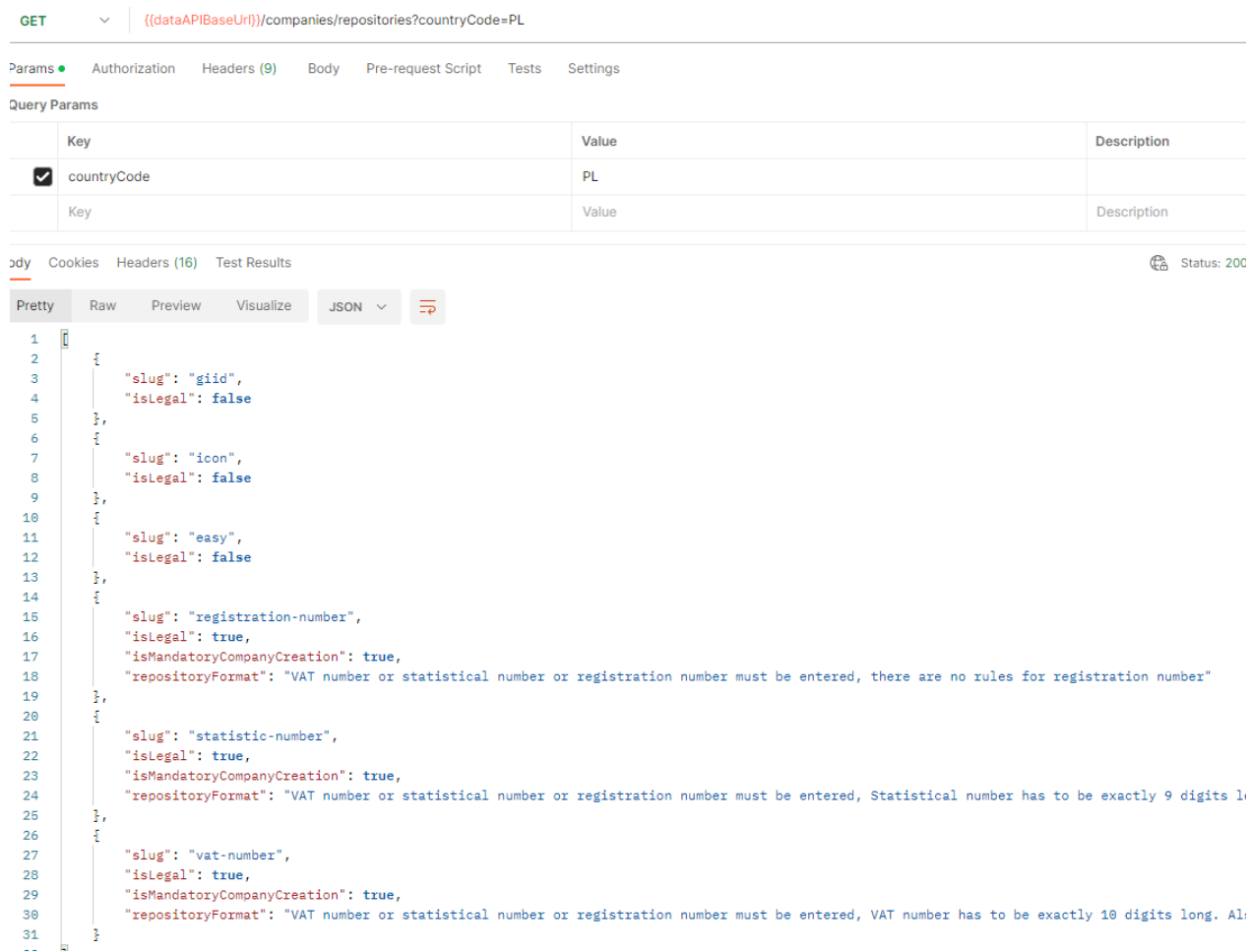
**Prerequisite!!** In order to perform the following calls, you should already have an user connected via AWS Dev portal. Please check this [https://coface.github.io/utilities/iCON\\_API\\_UserConfiguration\\_DeveloperPortal.pdf](https://coface.github.io/utilities/iCON_API_UserConfiguration_DeveloperPortal.pdf) , in case you do not have yet a connected and authorized user.

## 1.1 Get country identifiers.

- Allows to obtain details of identifiers in specific countries which can be used for unique company identification (check which identifier is legal per country)
- Request can be done by specifying country ISO Code and in return customer get list of identifiers used in specific country.

**Request:** `GET {{dataAPIBaseUrl}}/companies/repositories?countryCode=PL`

**Response:**



The screenshot shows a REST client interface with a GET request to `{{dataAPIBaseUrl}}/companies/repositories?countryCode=PL`. The query parameters table shows `countryCode` with the value `PL`. The response is a JSON array of objects, each representing a different identifier type and its legal status in Poland.

```

1  {
2    {
3      "slug": "giid",
4      "isLegal": false
5    },
6    {
7      "slug": "icon",
8      "isLegal": false
9    },
10   {
11     "slug": "easy",
12     "isLegal": false
13   },
14   {
15     "slug": "registration-number",
16     "isLegal": true,
17     "isMandatoryCompanyCreation": true,
18     "repositoryFormat": "VAT number or statistical number or registration number must be entered, there are no rules for registration number"
19   },
20   {
21     "slug": "statistic-number",
22     "isLegal": true,
23     "isMandatoryCompanyCreation": true,
24     "repositoryFormat": "VAT number or statistical number or registration number must be entered, Statistical number has to be exactly 9 digits long."
25   },
26   {
27     "slug": "vat-number",
28     "isLegal": true,
29     "isMandatoryCompanyCreation": true,
30     "repositoryFormat": "VAT number or statistical number or registration number must be entered, VAT number has to be exactly 10 digits long. All"
31   }
32 }

```

## 1.2 Search a company (identification of a company in the database)

There are several options for searching and identification of a company:

### 1.2.1 Search company by company info

Allows to perform search by name and countryCode mostly. Search can be performed using **minimum** companyName (or parts of the name) and countryCode:

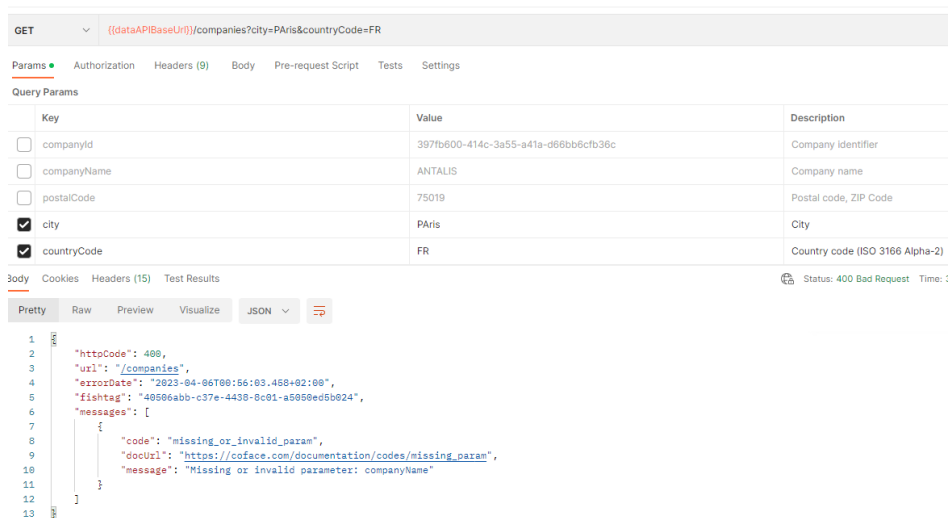
**GET** `{{dataAPIBaseUrl}}/companies?companyName=ANTALIS&countryCode=FR` => 28 companies returned

If more information is provided, like postalCode and city, more accurate the search is and company is identified:

**GET** `{{dataAPIBaseUrl}}/companies?companyName=ANTALIS&city=Paris&countryCode=FR` => 6 companies returned

**GET** `{{dataAPIBaseUrl}}/companies?companyName=ANTALIS&postalCode=75019&city=Paris&countryCode=FR` => 1 result returned. Company is identified.

**Error case:** If combination companyName + countryCode is not provided, 400 Bad request is returned:



GET `{{dataAPIBaseUrl}}/companies?city=Paris&countryCode=FR`

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
<input type="checkbox"/> companyId	397fb600-414c-3a55-a41a-d66bb6cfb36c	Company Identifier
<input type="checkbox"/> companyName	ANTALIS	Company name
<input type="checkbox"/> postalCode	75019	Postal code, ZIP Code
<input checked="" type="checkbox"/> city	PARIS	City
<input checked="" type="checkbox"/> countryCode	FR	Country code (ISO 3166 Alpha-2)

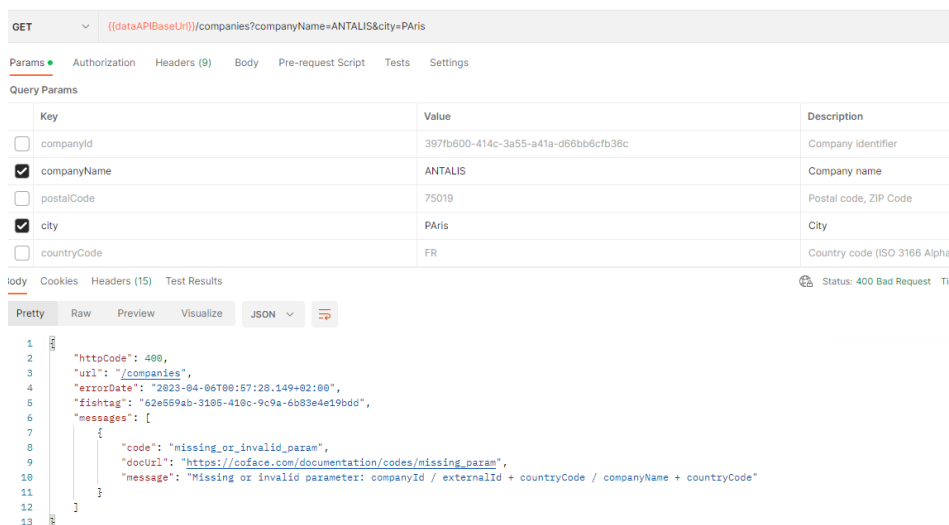
body Cookies Headers (15) Test Results Status: 400 Bad Request Time: 1

Pretty Raw Preview Visualize JSON

```

1  {
2    "statusCode": 400,
3    "url": "/companies",
4    "errorDate": "2023-04-06T08:56:03.458+02:00",
5    "fishtag": "40066abb-c37e-4438-8c01-a506ed5b024",
6    "messages": [
7      {
8        "code": "missing_or_invalid_param",
9        "docUrl": "https://coface.com/documentation/codes/missing_param",
10       "message": "Missing or invalid parameter: companyName"
11     }
12   ]
13 }

```



GET `{{dataAPIBaseUrl}}/companies?companyName=ANTALIS&city=Paris`

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
<input type="checkbox"/> companyId	397fb600-414c-3a55-a41a-d66bb6cfb36c	Company Identifier
<input checked="" type="checkbox"/> companyName	ANTALIS	Company name
<input type="checkbox"/> postalCode	75019	Postal code, ZIP Code
<input checked="" type="checkbox"/> city	PARIS	City
<input type="checkbox"/> countryCode	FR	Country code (ISO 3166 Alpha-2)

body Cookies Headers (15) Test Results Status: 400 Bad Request Time: 1

Pretty Raw Preview Visualize JSON

```

1  {
2    "statusCode": 400,
3    "url": "/companies",
4    "errorDate": "2023-04-06T08:57:28.149+02:00",
5    "fishtag": "62e599ab-3106-418c-9c9a-6b83e4e19bdd",
6    "messages": [
7      {
8        "code": "missing_or_invalid_param",
9        "docUrl": "https://coface.com/documentation/codes/missing_param",
10       "message": "Missing or invalid parameter: companyId / externalId + countryCode / companyName + countryCode"
11     }
12   ]
13 }

```

**Success case – Returns** list of companies found with the given criteria. For each company from the list, the response includes: name, countryCode, address and externalIds.

ExternalIds can be also used further for better identification of the company, checking the availability of the products or for ordering products for that corresponding company.

3ET ⌵ `{{dataAPIBaseUrl}}/companies?companyName=ANTALIS&city=PARIS&countryCode=FR`

Parameters Authorization Headers (9) Body Pre-request Script Tests Settings

Key	Value	Description
<input checked="" type="checkbox"/> companyName	ANTALIS	Company name
<input type="checkbox"/> postalCode	75019	Postal code, ZIP Code
<input checked="" type="checkbox"/> city	PARIS	City
<input checked="" type="checkbox"/> countryCode	FR	Country code (ISO 3166 Alpha-2)
<input type="checkbox"/> range	10-25	Pagination interval ↕
<input type="checkbox"/> externalId	static-number%23810684000	

dy Cookies Headers (19) Test Results 🌐 Status: 200 OK Time: 852 ms Size:

Pretty Raw Preview Visualize JSON ⌵ 🔧

```

1  [
2    {
3      "name": "MGT.COM",
4      "countryCode": "FR",
5      "address": {
6        "address1": "25 Boulevard de Strasbourg",
7        "postalCode": "75019",
8        "city": "PARIS 18",
9        "countryCode": "FR"
10     },
11     "externalIds": [
12       {
13         "id": "38353834323838383148786e783d46522f373839",
14         "repositorySlug": "glid"
15       }
16     ]
17   },
18   {
19     "name": "ANTALIS FRANCE",
20     "countryCode": "FR",
21     "address": {
22       "address1": "17 Avenue de la Porte des Lilas",
23       "postalCode": "75019",
24       "city": "PARIS 19",
25       "countryCode": "FR"
26     },
27     "externalIds": [
28       {
29         "id": "34313833333837363548786e783d46522f373839",
30         "repositorySlug": "glid"
31       }
32     ]
33   },
34   {
35     "name": "ANTALIS SA",
36     "countryCode": "FR",
37     "address": {
38       "address1": "127 Rue Amelot",
39       "postalCode": "75011",

```

## 1.2.2 Search company by one of the externalId

Allows to search for a specific company by providing combination of countryCode + externalId. ExternalId can be one of the national identifiers or one of internal Coface IDs. It was either returned by previous method (using companyName + countryCode) either was already known (e.g.VAT number).

Parameter **externalId** will be used with value {repositorySlug}#{id}.

Response returns either 1 unique result or no results.

### Important Remark related to identifiers:

#### Internal Coface identifiers:

**iconNo**= > the most recommended one as all identified researched companies have this identifier; The only drawback for this identifier is that when we are changing our external provider, iconNo values will change, but we will provide you the new iconNo values for your portfolio

**easyNo**=> can be used, but with the remark that not all of our identified companies have this identifier

**giid**=> is an unique identifier inside Coface, and it is based on the external provider id. You will have this identifier returned for all companies /countries where we have an external provider involved. For all other cases, this identifier is not present

**Legal Identifiers:** vat-number, tax-number, registration- number, statistics-number.

Important remark related to these identifiers is that they are not existing in all countries, not all our external providers allow search using them and for some countries they cannot be used for uniquely identifying the researched company.

Considering the above remarks, our recommendation is that the most reliable identifier in this moment is iconNo.

## Identifying company using giid number:

GET `{{dataAPIBaseUrl}}/companies?countryCode=FR&externalId=giid%2334313033333630363940706e703d46522f373039`

GET
{{dataAPIBaseUrl}}/companies?countryCode=FR&externalId=giid%2334313033333630363940706e703d46522f373039

Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> countryCode	FR	Country code (ISO 3166 Alpha-2)
<input checked="" type="checkbox"/> externalId	giid%2334313033333630363940706e703d46522f373039	
Key	Value	Description

ody
Cookies
Headers (17)
Test Results
Status: 200 OK Time: 1753

Pretty
Raw
Preview
Visualize
JSON

```

1  [
2    {
3      "id": "b75e4b59-12e4-3bc6-8d30-1ac599cce69f",
4      "name": "ANTALIS",
5      "countryCode": "FR",
6      "nameCodes": [
7        {
8          "code": "7010",
9          "label": "Activities of head offices"
10        }
11      ],
12      "legalForm": {
13        "code": "999",
14        "label": "Legal form unknown"
15      },
16      "address": {
17        "address1": "8 Rue de Seine",
18        "postalCode": "92100",
19        "city": "BOULOGNE-BILLANCOURT",
20        "countryCode": "FR"
21      },
22      "emails": [
23        {
24          "value": "info.fr@antalys.com",
25          "main": true
26        }
27      ],
28      "phoneNumbers": [
29        {
30          "value": "0158042100",
31          "countryCode": "FR",
32          "main": true
33        }
34      ],
35      "websites": [
36        {
37          "url": "www.antalys.fr",
38          "main": true
39        }
40      ],
41      "externalIds": [
42        {
43          "id": "00000173905973",
44          "repositorySlug": "easy"
45        },
46        {
47          "id": "2003002119",
48          "repositorySlug": "registration-number"
49        }
50      ]
51    }
52  ]

```



## Identifying company using VAT number:

GET `{{dataAPIBaseUrl}}/companies?countryCode=FR&externalId=vat-number%23FR37410336069`

GET
▼
{{dataAPIBaseUrl}}/companies?countryCode=FR&externalId=vat-number%23FR37410336069

Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> countryCode	FR	Country code (ISO 3166 Alpha-2)
<input checked="" type="checkbox"/> externalId	vat-number#FR37410336069	
Key	Value	Description

body
Cookies
Headers (17)
Test Results

Status: 200 OK
Time: 2.04 s

Pretty
Raw
Preview
Visualize
JSON

```

1  {
2    "id": "b75e4b59-12e4-3bc6-8d38-1ac599cce69f",
3    "name": "ANTALIS",
4    "countryCode": "FR",
5    "naceCodes": [
6      {
7        "code": "7010",
8        "label": "Activities of head offices"
9      }
10   ],
11   "legalForm": {
12     "code": "999",
13     "label": "Legal form unknown"
14   },
15   "address": {
16     "address1": "8 Rue de Seine",
17     "postalCode": "92100",
18     "city": "BOULOGNE-BILLANCOURT",
19     "countryCode": "FR"
20   },
21   "emails": [
22     {
23       "value": "info.fr@antalys.com",
24       "main": true
25     }
26   ],
27   "phoneNumbers": [
28     {
29       "value": "0150042100",
30       "countryCode": "FR",
31       "main": true
32     }
33   ],
34   "websites": [
35     {
36       "url": "www.antalys.fr",
37   
```

## Identifying company using ICON number:


[GET {{dataAPIBaseUrl}}/companies?countryCode=FR&externalId=icon%23138131867](#)


GET [{{dataAPIBaseUrl}}/companies?countryCode=FR&externalId=icon%23138131867](#)

Params • Authorization Headers (9) Body Pre-request Script Tests • Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> countryCode	FR	Country code (ISO 316)
<input checked="" type="checkbox"/> externalId	icon#138131867	

body Cookies Headers (17) Test Results  Status: 200 OK

Pretty Raw Preview Visualize JSON 

```

1  {
2    "id": "b75e4b59-12e4-3bc6-8d38-1ac599cce69f",
3    "name": "ANTALIS",
4    "countryCode": "FR",
5    "naceCodes": [
6      {
7        "code": "7810",
8        "label": "Activities of head offices"
9      }
10   ],
11   "legalForm": {
12     "code": "999",
13     "label": "Legal form unknown"
14   },
15   "address": {
16     "address1": "8 Rue de Seine",
17     "postalCode": "92100",
18     "city": "BOULOGNE-BILLANCOURT",
19     "countryCode": "FR"
20   },
21   "emails": [
22     {
23       "value": "info.fr@antal.fr",
24       "main": true
25     }
26   ],
27   "phoneNumbers": [
28     {
29       "value": "0150842100",
30       "countryCode": "FR",
31       "main": true
32     }
33   ],
34   "websites": [
35     {
36       "url": "www.antal.fr",
37       "main": true
38     }
39   ],
40   "externalIds": [
41     {
42       "id": "00000173986973",
43       "repositorySlug": "easy"
44     },
45     {
46       "id": "2003802119",
47       "repositorySlug": "registration-number"
48     },
49     {
50       "id": "138131867",
51     }
52   ]
53 }
```

### 1.2.3 Search company by companyld

Allows to identify a company using the internal Coface id. This Id either is known without passing the precedent searches, either is returned when identifying the company as it could be seen in the previous methods.

If companyld parameter is provided, the other fields are ignored.

**Important Remark:** as the companyld is based on easy No , and not all our researched and saved companies have the easyNO, it is possible that not all your searched companies to have a companyld identifier returned.

GET `{{dataAPIBaseUrl}}/companies?companyId=b75e4b59-12e4-3bc6-8d30-1ac599cce69f`

GET `{{dataAPIBaseUrl}}/companies?companyId=b75e4b59-12e4-3bc6-8d30-1ac599cce69f`

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> companyId	b75e4b59-12e4-3bc6-8d30-1ac599cce69f	

ody Cookies Headers (17) Test Results Status: 200 OK Time: 3.63 s Size: 1.07 K

Pretty Raw Preview Visualize JSON ⌵

```

1  {
2    "id": "b75e4b59-12e4-3bc6-8d30-1ac599cce69f",
3    "name": "ANTALIS",
4    "countryCode": "FR",
5    "naceCodes": [
6      {
7        "code": "7010",
8        "label": "Activities of head offices"
9      }
10   ],
11   "legalForm": {
12     "code": "999",
13     "label": "Legal form unknown"
14   },
15   "address": {
16     "address1": "8 Rue de Seine",
17     "postalCode": "92100",
18     "city": "BOULOGNE-BILLANCOURT",
19     "countryCode": "FR"
20   },
21   "emails": [
22     {
23       "value": "info.fr@antal.fr",
24       "main": true
25     }
26   ],
27   "phoneNumbers": [
28     {
29       "value": "0150042100",
30       "countryCode": "FR",
31       "main": true
32     }
33   ],
34   "websites": [
35     {
36       "url": "www.antal.fr",
37       "main": true
38     }
39   ],
40   "externalIds": [
41     {
42       "id": "00000173905973",
43       "repositorySlug": "easy"
44     },
45     {
46       "id": "2003002119",
47       "repositorySlug": "registration-number"
48     },
49     {
50       "id": "138131067",
51       "repositorySlug": "registration-number"
52     }
53   ]
54 }

```

In all these cases, response should be identical. One company is uniquely identified.

Response contains information about the company requested: internal id inside ICON, name, countryCode, naceCodes, legalForms, address, emails, phoneNumbers, websites and externalIds.

Reaching this point, it means that customer either uniquely identified the company and can go to next step of checking the list of available products and order, or did not succeeded to find company.

## 1.3. Request a company identification.

In case you not managed to identify wanted company, you have the option to request to Coface a company identification and then to order needed product. You need to do it in 2 steps: first step is to request company identification and second step is to order a product for it. Please check below the 2 steps (sections 1.3.1 and 1.3.2)

### 1.3.1 Request the identification.

Endpoint to be used: **POST** `{{dataAPIBaseUrl}}/companies/identifications`

No parameters are required, but inside the request body, some information is required to be provided:

- at least one of the *externalID* needs to be provided OR
- for some countries where no legal identifiers are needed, it is enough to provide the *address.countryCode* in combination with: *name*, *address.postalCode* and *address.city*.

In case the provided information is not correct, response will be 400 Bad Request.

**Remarks:** Information about which countries and what legal identifiers need to be provided for each country, you can find via endpoint:

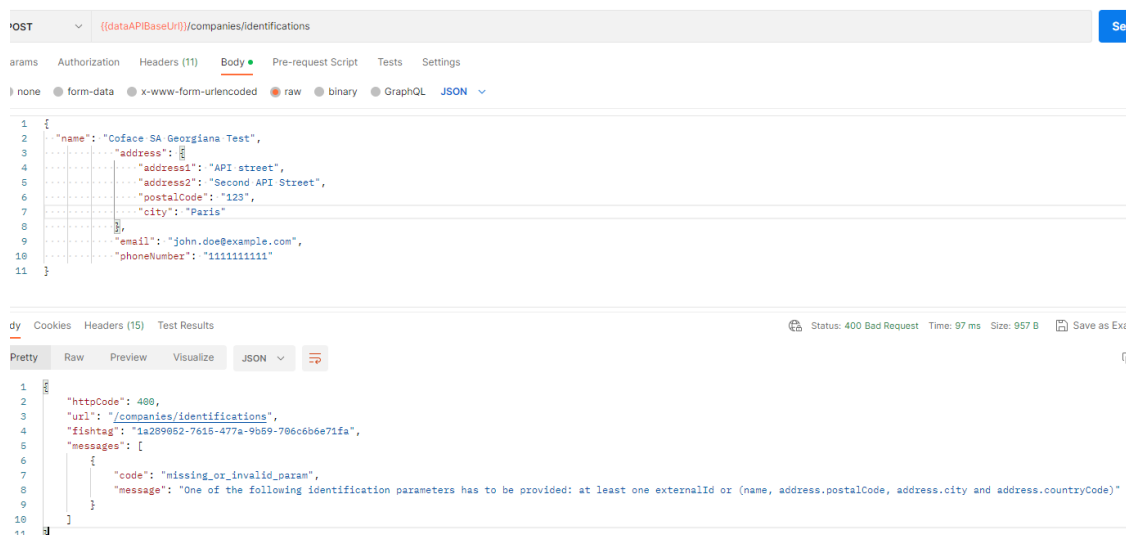
**GET** `{{dataAPIBaseUrl}}/companies/repositories?countryCode={XX}`.

For each identifier, there are 2 fields which show if is needed to be provided for a company identification or not and under which format:

"isMandatoryCompanyCreation": **true**,

"repositoryFormat": "VAT number or statistical number or registration number must be entered, there are no rules for registration number."

**Error case:** no address.countryCode



```

POST {{dataAPIBaseUrl}}/companies/identifications

{
  "name": "Coface SA Georgiana Test",
  "address": {
    "address1": "API street",
    "address2": "Second API Street",
    "postalCode": "123",
    "city": "Paris"
  },
  "email": "john.doe@example.com",
  "phoneNumber": "111111111"
}
  
```

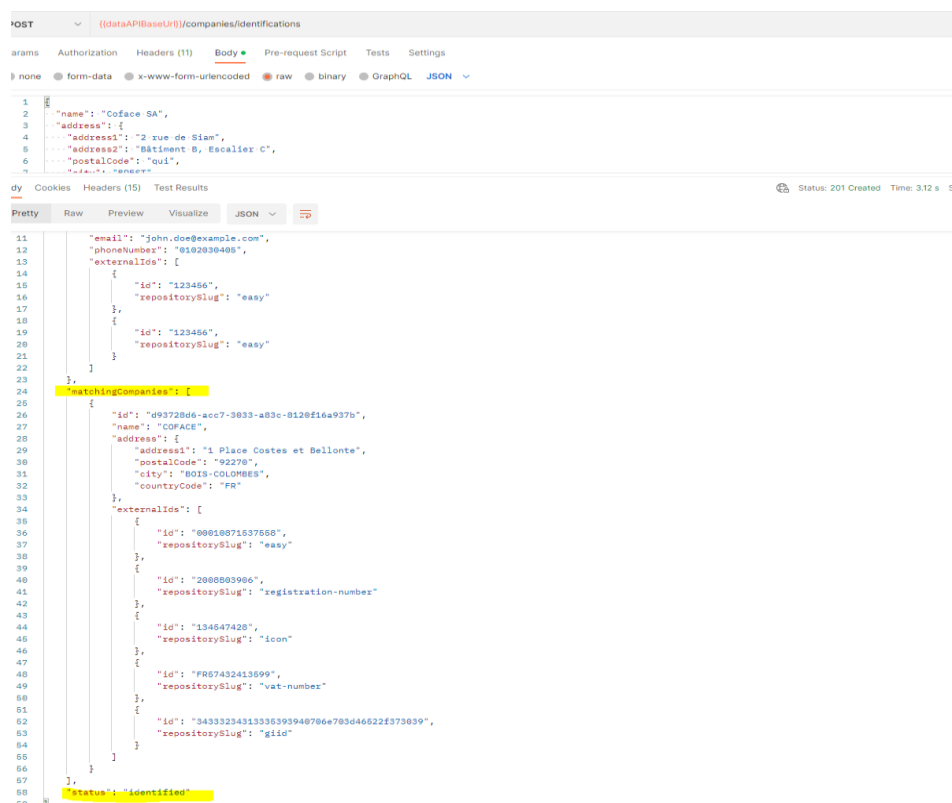
```

{
  "statusCode": 400,
  "url": "/companies/identifications",
  "fishtag": "1a209062-7616-477a-9b59-706c6b6e71fa",
  "messages": [
    {
      "code": "missing_or_invalid_param",
      "message": "One of the following identification parameters has to be provided: at least one externalId or (name, address.postalCode, address.city and address.countryCode)"
    }
  ]
}
  
```

## Success case- Request body:

```
{
  "name": "Coface SA",
  "address": {
    "address1": "2 rue de Siam",
    "address2": "Bâtiment B, Escalier C",
    "postalCode": "qui",
    "city": "BREST",
    "countryCode": "FR"
  },
  "email": "john.doe@example.com",
  "phoneNumber": "0102030405",
  "externalIds": [
    {
      "id": "123456",
      "repositorySlug": "easy"
    },
    {
      "id": "123456",
      "repositorySlug": "icon"
    }
  ]
}
```

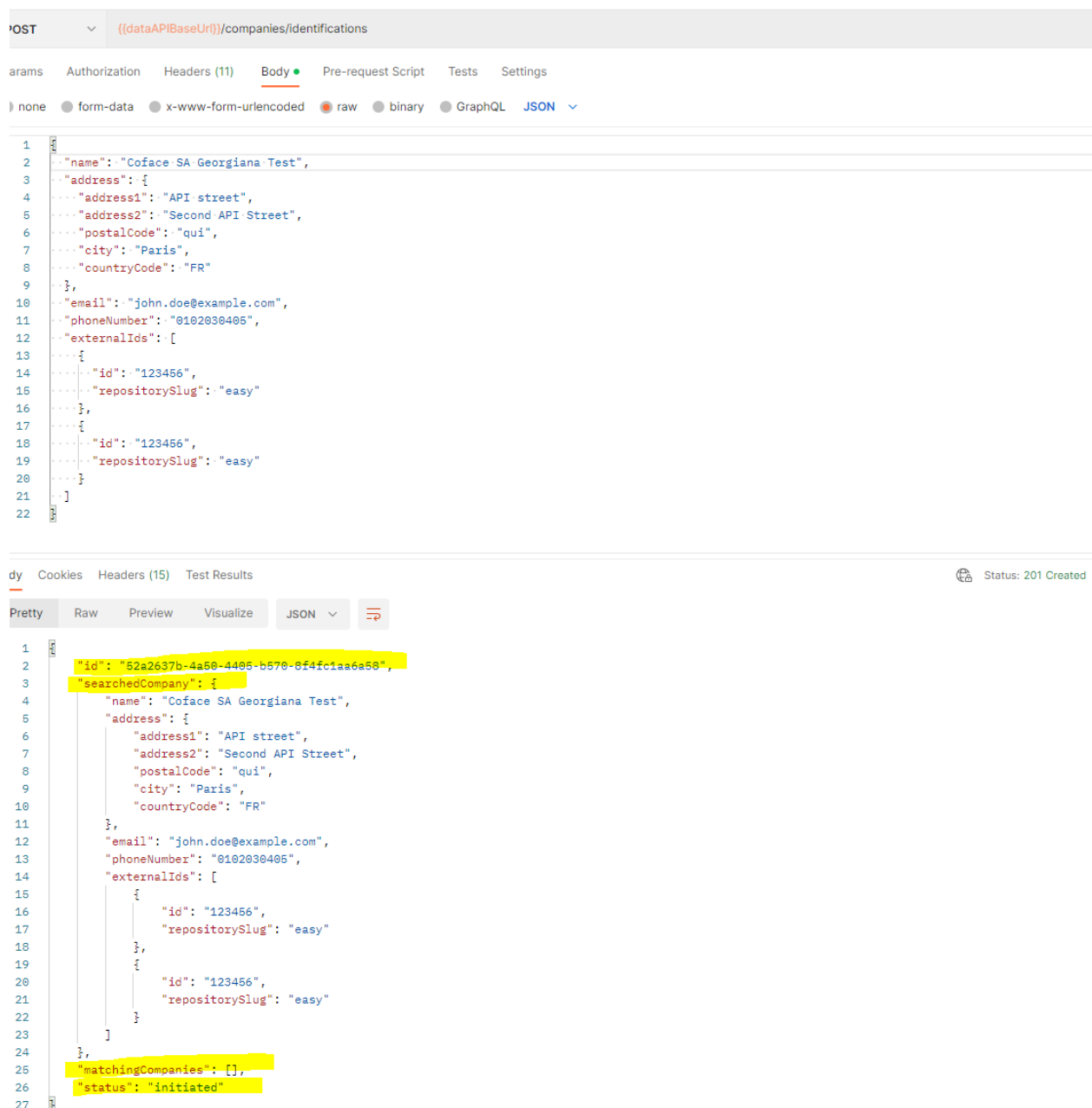
If based on the information provided, ICON identifies the company, then the response will provide the info about searched Company in the field *matchingCompanies* together with status *"identified"* in the field *"status"*:



```
11 {
12   "email": "john.doe@example.com",
13   "phoneNumber": "8192898498",
14   "externalIds": [
15     {
16       "id": "123456",
17       "repositorySlug": "easy"
18     },
19     {
20       "id": "123456",
21       "repositorySlug": "easy"
22     }
23   ],
24   "matchingCompanies": [
25     {
26       "id": "d93728d6-acc7-3033-a83c-8128f16a937b",
27       "name": "COFACE",
28       "address": {
29         "address1": "1 Place Costes et Bellonte",
30         "postalCode": "92278",
31         "city": "BOIS-COLOMBES",
32         "countryCode": "FR"
33       },
34       "externalIds": [
35         {
36           "id": "00010071537650",
37           "repositorySlug": "easy"
38         },
39         {
40           "id": "2000503986",
41           "repositorySlug": "registration-number"
42         },
43         {
44           "id": "134647428",
45           "repositorySlug": "icon"
46         },
47         {
48           "id": "FR57432413599",
49           "repositorySlug": "vat-number"
50         },
51         {
52           "id": "3433323431333539348786e783d46622f373039",
53           "repositorySlug": "glid"
54         }
55       ]
56     }
57   ],
58   "status": "identified"
59 }
```

If ICON cannot identify the company based on information provided, response will contain: *id* (which can be used for a future ordering), *searchedCompany* element containing company data

provided in the request, *matchingCompanies* element which will be empty and *status* element with value "initiated".



The screenshot shows a REST client interface. The top bar indicates a POST request to the endpoint `{{dataAPIBaseUrl}}/companies/identifications`. The 'Body' tab is selected, showing a JSON payload. The response is displayed in the 'Test Results' section, showing a 201 status code and a JSON body with a long ID, company details, and an empty `matchingCompanies` array.

```

1 POST {{dataAPIBaseUrl}}/companies/identifications
2
3 {
4   "name": "Coface SA Georgiana Test",
5   "address": {
6     "address1": "API street",
7     "address2": "Second API Street",
8     "postalCode": "qui",
9     "city": "Paris",
10    "countryCode": "FR"
11  },
12  "email": "john.doe@example.com",
13  "phoneNumber": "0102030405",
14  "externalIds": [
15    {
16      "id": "123456",
17      "repositorySlug": "easy"
18    },
19    {
20      "id": "123456",
21      "repositorySlug": "easy"
22    }
23  ]
24 }
25
26
27

```

```

1 {
2   "id": "52a2637b-4a50-4405-b578-8f4fc1aa6a58",
3   "searchedCompany": {
4     "name": "Coface SA Georgiana Test",
5     "address": {
6       "address1": "API street",
7       "address2": "Second API Street",
8       "postalCode": "qui",
9       "city": "Paris",
10      "countryCode": "FR"
11    },
12    "email": "john.doe@example.com",
13    "phoneNumber": "0102030405",
14    "externalIds": [
15      {
16        "id": "123456",
17        "repositorySlug": "easy"
18      },
19      {
20        "id": "123456",
21        "repositorySlug": "easy"
22      }
23    ]
24  },
25   "matchingCompanies": [],
26   "status": "initiated"
27 }

```

### 1.3.2 Request the needed product.

The second step that needs to be done is to order the wanted product for this company, even if it is not yet identified.

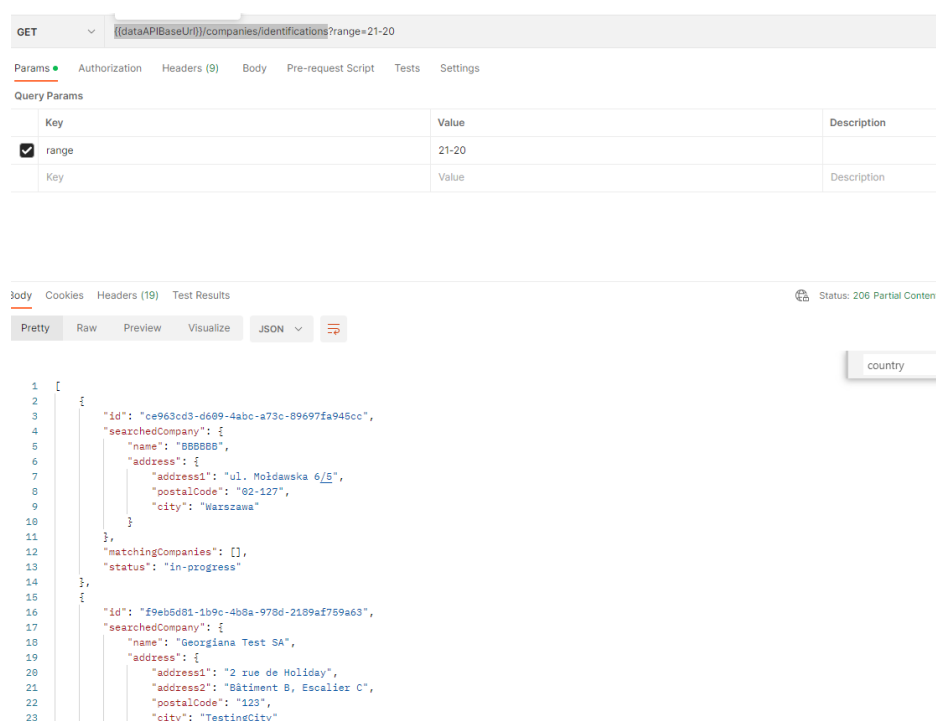
See details under [1.4.2 Ordering a product for a company not identified](#).

**Remark!!** Once you do also this step, the corresponding identification request is not appearing anymore as open, and it will not be returned anymore by any endpoint. The future status of the investigation is given actually by the status of the order placed on this step, ordering the wanted product. When order is finished, then either the company was identified, and product content can be downloaded, either the company could not be identified and product content it will be a so-called Negative report containing information about reasons of no identifications.

### 1.3.3 Request all identifications

All open requests to identify companies made by your profile are shown under endpoint:

**GET** `{{dataAPIBaseUrl}}/companies/identifications`



The screenshot shows a REST client interface. The top bar indicates a GET request to the endpoint `{{dataAPIBaseUrl}}/companies/identifications?range=21-20`. Below the URL bar, the 'Query Params' section shows a table with one parameter: 'range' with value '21-20'. The 'Body' tab is selected, showing a JSON response. The response is an array of two objects, each representing a company identification request. Both requests have a status of 'in-progress'.

```

1  [
2    {
3      "id": "ce963cd3-d609-4abc-a73c-89697fa945cc",
4      "searchedCompany": {
5        "name": "BBBBBB",
6        "address": {
7          "address1": "ul. Miodawska 6/5",
8          "postalCode": "02-127",
9          "city": "Warszawa"
10       }
11     },
12     "matchingCompanies": [],
13     "status": "in-progress"
14   },
15   {
16     "id": "f9eb5d81-1b9c-4b8a-978d-2189af759a63",
17     "searchedCompany": {
18       "name": "Georgiana Test SA",
19       "address": {
20         "address1": "2 rue de Holiday",
21         "address2": "Bâtiment B, Escalier C",
22         "postalCode": "123",
23         "city": "TestingCity"

```

Please be aware that API is returning all **open** identifications, meaning all identifications which were not yet used (companyIdentificationId) to order a product with them.

Once you do also the second step, ordering a product via companyIdentificationId, the corresponding identification request is not appearing anymore as open and is not returned anymore by this endpoint.

## 1.4. Ordering a product

The structure of the request depends on the result of searching/identification of company.

### 1.4.1 Ordering a product for an identified company:

#### Remarks!!

#### 1. Slugs and product codes

**Attention:** for DRAGON products (DRA, CO, AO) availability is not immediate. Therefore *processingTimeInstruction* option should have value *immediate\_if\_available\_inquiry\_otherwise* Or *inquiry* with *investigationSpeedLevel*: normal.

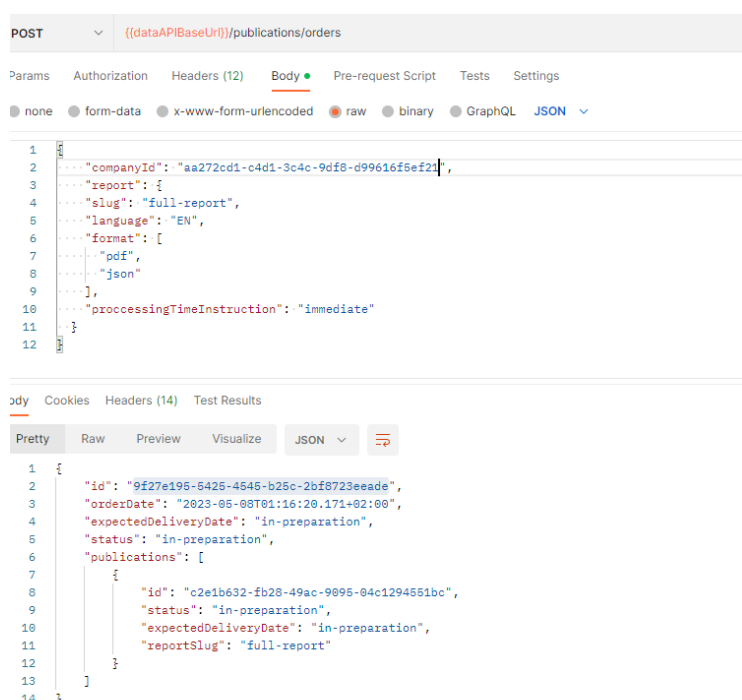
#### 2. Format of reports

API allows to request report in different formats such as JSON, XML, PDF or HTML. For JSON and XML it will require additional mapping on customer side to integrate structured form of data to his own system needs.

3. **Ordering a product** can be made either using the internal *companyId* value returned by the API in one of the previous commands (the ones for identifying the company) OR using one of the **externalIds** (same, they are returned by the API when identifying the company)

#### a. Ordering a Full Report via companyId:

**POST** `{{dataAPIBaseUrl}}/publications/orders`



The screenshot shows a REST client interface with a POST request to `{{dataAPIBaseUrl}}/publications/orders`. The request body is in JSON format and contains the following data:

```

{
  "companyId": "aa272cd1-c4d1-3c4c-9df8-d99616f5ef2d",
  "report": {
    "slug": "full-report",
    "language": "EN",
    "format": [
      "pdf",
      "json"
    ],
    "processingTimeInstruction": "immediate"
  }
}

```

The response is also in JSON format and contains the following data:

```

{
  "id": "9f27e195-5425-4545-b25c-2bf8723eeade",
  "orderDate": "2023-05-08T01:16:20.171+02:00",
  "expectedDeliveryDate": "in-preparation",
  "status": "in-preparation",
  "publications": [
    {
      "id": "c2e1b632-fb28-49ac-9095-04c1294551bc",
      "status": "in-preparation",
      "expectedDeliveryDate": "in-preparation",
      "reportSlug": "full-report"
    }
  ]
}

```

#### b. Ordering a Snapshot report (light report) via externalId:

**POST** `{{dataAPIBaseUrl}}/publications/orders`



```

POST {{dataAPIBaseUrl}}/publications/orders

Params  Authorization  Headers (12)  Body  Pre-request Script  Tests  Settings
none  form-data  x-www-form-urlencoded  raw  binary  GraphQL  JSON  v

1  {
2  .. "externalId": "icon#5415240",
3  .. "countryCode": "PL",
4  .. "report": "Snapshot Report",
5  .. "slug": "snapshot-report",
6  .. "language": "EN",
7  .. "format": [
8  .. .. "pdf",
9  .. .. "json"
10 .. ],
11 .. "processingTimeInstruction": "immediate"
12 }
13 }

ody  Cookies  Headers (14)  Test Results

Pretty  Raw  Preview  Visualize  JSON  v  p

1  {
2  "id": "63de55be-18ab-425b-aadd-be39a4dda72c",
3  "orderDate": "2023-06-08T01:58:58.811+02:00",
4  "expectedDeliveryDate": "in-preparation",
5  "status": "in-preparation",
6  "publications": [
7  {
8  "id": "204eea7a-0088-4f49-b566-9e9eb41bb039",
9  "status": "in-preparation",
10 "expectedDeliveryDate": "in-preparation",
11 "reportSlug": "snapshot-report"
12 }
13 ]
14 }

```

### c. Ordering a Sector Risk Assessment

When ordering a SRA product (Sector Risk Assessment) you need to consider the following:

- If in the moment of placing the order, we do have already in ICON database information about the sector of the company, then you can place the order without mentioning the sector/nace code. If this is the case it can be checked if naceCode information is present when identifying the company.
- If in the moment of placing the order, we do not have such information, then:
  - either you can provide in the body of the request the corresponding sector,
  - either a business report needs to be ordered so that we can have in our database the corresponding sector
  - otherwise, the order will be rejected, as we would need to protect against a massive number of orders which would need to be worked manually.

**Checking if company has already Nace Code in ICON database:**

[GET {{dataAPIBaseUrl}}/companies?countryCode=FR&externalId=icon%23134547428](#)

Body Cookies Headers (15) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   {
3     "id": "d93728d6-acc7-3033-a83c-8120f16a937b",
4     "name": "COFACE",
5     "lastMajorUpdate": "2024-06-03T02:00:00.000+02:00",
6     "countryCode": "FR",
7     "naceCodes": [
8       {
9         "code": "6420",
10        "label": "Activities of holding companies"
11      }
12    ],
13    "legalForm": {
14      "code": "999",
15      "label": "Legal form unknown"
16    },
17    "address": {
18      "address1": "1 Place Costes et Bellonte",
19      "postalCode": "92270",
20      "city": "BOIS-COLOMBES",
21      "countryCode": "FR"
22    },
23    "phoneNumbers": [
24      {
25        "value": "0149022000",
26        "countryCode": "FR",
27        "main": true
28      }
29    ],
30    "website": "f"
  }
}

```

For this company, **ordering a SRA is possible without providing the NaceCode inside the body of the request:**

*POST {{dataAPIBaseUrl}}/publications/orders*

POST {{dataAPIBaseUrl}}/publications/orders

Params Authorization Headers (12) Body Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```

1 {
2   "externalId": "icon134547420",
3   "countryCode": "FR",
4   "assessments": [
5     {
6       "slug": "sector-risk-assessment"
7     }
8   ]
9 }
10

```

Body Cookies Headers (15) Test Results

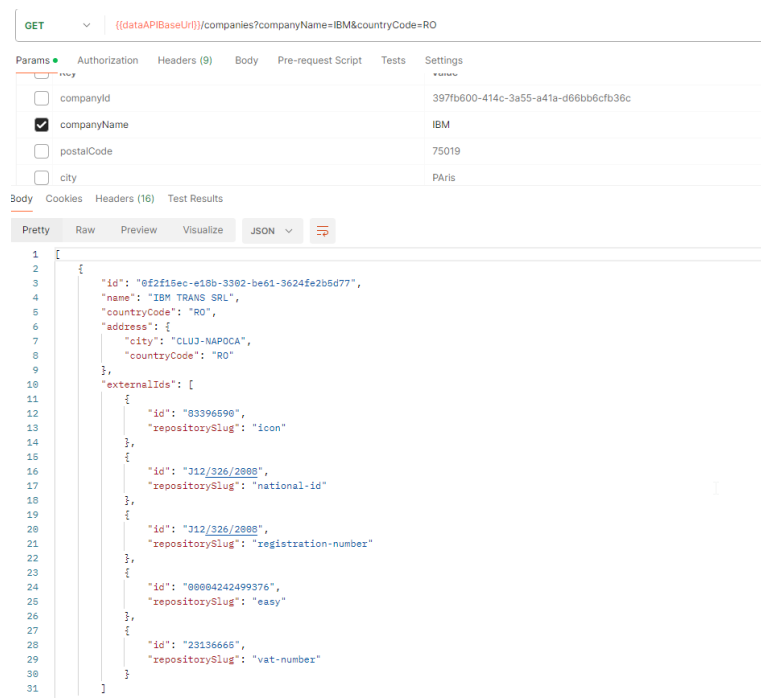
Pretty Raw Preview Visualize JSON

```

1 {
2   "id": "9ccf0827-1d0e-4f67-a98f-3c7c3bb0fd50",
3   "orderDate": "2024-06-03T00:24:05.96+02:00",
4   "expectedDeliveryDate": "in-preparation",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "7956ac40-9cb5-4e1c-95b0-61c0b9c32a7c",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "in-preparation",
11      "assessmentSlug": "sector-risk-assessment"
12    }
13  ]
14 }

```

**Sample of company which does not have Nace code in our ICON database in the moment of ordering:**



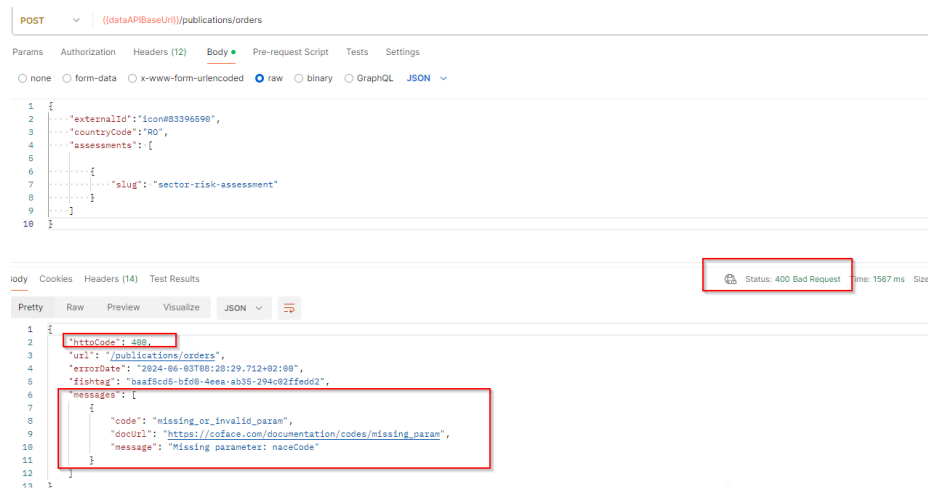
```

GET {{dataAPIBaseUrl}}/companies?companyName=IBM&countryCode=RO

Params
  companyid 3977b600-414c-3a55-a41a-d66bb6cfb36c
  companyName IBM
  postalCode 75019
  city Paris

Body
  [{"id": "6f2f15ec-e18b-3382-be61-3624fe2b5d77",
    "name": "IBM TRANS SRL",
    "countryCode": "RO",
    "address": {
      "city": "CLUJ-NAPOCA",
      "countryCode": "RO"
    },
    "externalIds": [
      {
        "id": "03396690",
        "repositorySlug": "icon"
      },
      {
        "id": "312/326/2808",
        "repositorySlug": "national-id"
      },
      {
        "id": "312/326/2808",
        "repositorySlug": "registration-number"
      },
      {
        "id": "080804242499376",
        "repositorySlug": "easy"
      },
      {
        "id": "23136666",
        "repositorySlug": "vat-number"
      }
    ]
  }]
  
```

If we would want to order a SRA for this company, without providing the sector, order will be rejected:



```

POST {{dataAPIBaseUrl}}/publications/orders

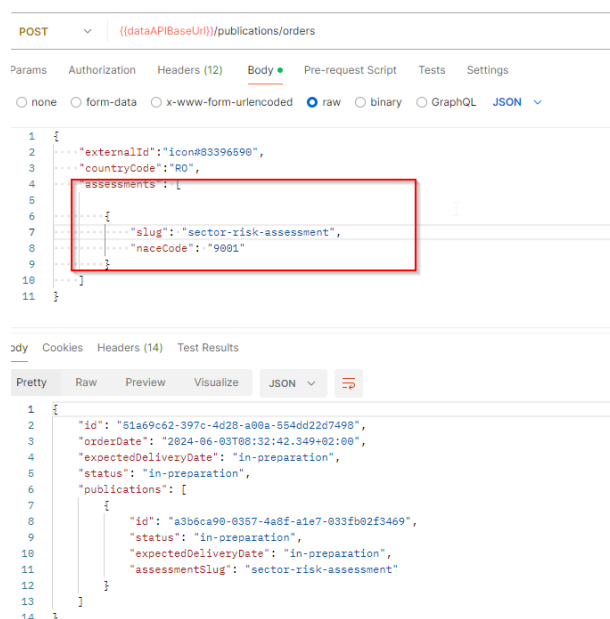
{
  "externalId": "icon03396690",
  "countryCode": "RO",
  "assessments": [
    {
      "slug": "sector-risk-assessment"
    }
  ]
}

Status: 400 Bad Request Time: 1567 ms

{
  "statusCode": 400,
  "url": "/publications/orders",
  "errorDate": "2024-06-03T00:29:29.712+02:00",
  "fishTag": "baaffcd5-bfd6-4eea-ab35-294c02ffed2",
  "messages": [
    {
      "code": "missing_or_invalid_param",
      "docUrl": "https://coface.com/documentation/codes/missing_param",
      "message": "Missing parameter: naceCode"
    }
  ]
}
  
```

Now there are two options:

- Either we order a SRA product mentioning the sector of the company in the body of the request:



```

1  {
2    "externalId": "icon#83396590",
3    "countryCode": "RQ",
4    "assessments": [
5      {
6        "slug": "sector-risk-assessment",
7        "naceCode": "9001"
8      }
9    ]
10  }
11  }

body  Cookies  Headers (14)  Test Results
Pretty  Raw  Preview  Visualize  JSON  [icon]
1  {
2    "id": "81a69c62-397c-4d28-a98a-554dd22d7498",
3    "orderDate": "2024-06-03T08:32:42.349+02:00",
4    "expectedDeliveryDate": "in-preparation",
5    "status": "in-preparation",
6    "publications": [
7      {
8        "id": "a3b6ca90-0357-4a8f-a1e7-033fb02f9469",
9        "status": "in-preparation",
10       "expectedDeliveryDate": "in-preparation",
11       "assessmentSlug": "sector-risk-assessment"
12     }
13   ]
14 }

```

- either a Full Report is ordered, so that we will obtain the naceCode and save it in our database. If after ordering a Full Report, naceCode is known and received, it will be saved into our database, and then a SRA can be ordered.
- But it could be also cases, that even after ordering a Full Report, naceCode remains unknown. Then for sure the order is still rejected. We could not provide a Sector assessment if we do not have the Sector.

#### d. Ordering Financial products

When ordering financial products please consider that initial steps for searching and identifying the company should be performed also here. Please check section [1.2 Search a company \(identification of a company in the database\)](#) for more details.

If you identified your company you can order via one of the possibilities mentioned : via companyId, or via one of the externalIds, iconNo or VATNo, etc.

We will treat here the case that we identified the company, and we have the iconNo:

**GET** `{{dataAPIBaseUrl}}/companies?countryCode=CZ&externalId=icon%234724020`

GET `{{dataAPIBaseUrl}}/companies?countryCode=CZ&externalId=icon%234724020`

Params • Authorization Headers (9) Body Pre-request Script Tests • Settings

Query Params

Key	Value	Description
countryCode	CZ	Country code (ISO 3166 Alpha-2)
externalId	icon%234724020	

Body Cookies Headers (15) Test Results Status: 200 OK Time: 3.99

Pretty Raw Preview Visualize JSON

```

1 {
2   "id": "80681a13-4031-31b3-8a04-4dc2938e8854",
3   "name": "Škoda Auto a.s.",
4   "lastMajorUpdate": "2024-01-16T01:00:00.000+01:00",
5   "countryCode": "CZ",
6   "nameCodes": [
7     {
8       "code": "2910",
9       "label": "Manufacture of motor vehicles"
10    },
11    {
12      "code": "4520",
13      "label": "Maintenance and repair of motor vehicles"
14    },
15    {
16      "code": "4710",
17      "label": "Retail sale in non-specialised stores"
18    }
19  ],
20   "legalForm": {
21     "code": "391",
22     "label": "Joint stock company"
23   },
24   "address": {
25     "address1": "tř. Václava Klementa 869",
26     "postalCode": "293 01",
27     "city": "Mladá Boleslav, Mladá Boleslav II",
28   }
29 }

```

The most important step is to check if ICON do have the financial information available for this company and which are the years. This can be done via products endpoint. Here we will use the companyId from above response:

**GET `{{dataAPIBaseUrl}}/companies/financials?companyId=80681a13-4031-31b3-8a04-4dc2938e8854`**

GET `{{dataAPIBaseUrl}}/companies/financials?companyId=80681a13-4031-31b3-8a04-4dc2938e8854`

Params • Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

Key	Value
companyId	80681a13-4031-31b3-8a04-4dc2938e8854

Body Cookies Headers (15) Test Results

Pretty Raw Preview Visualize JSON

```

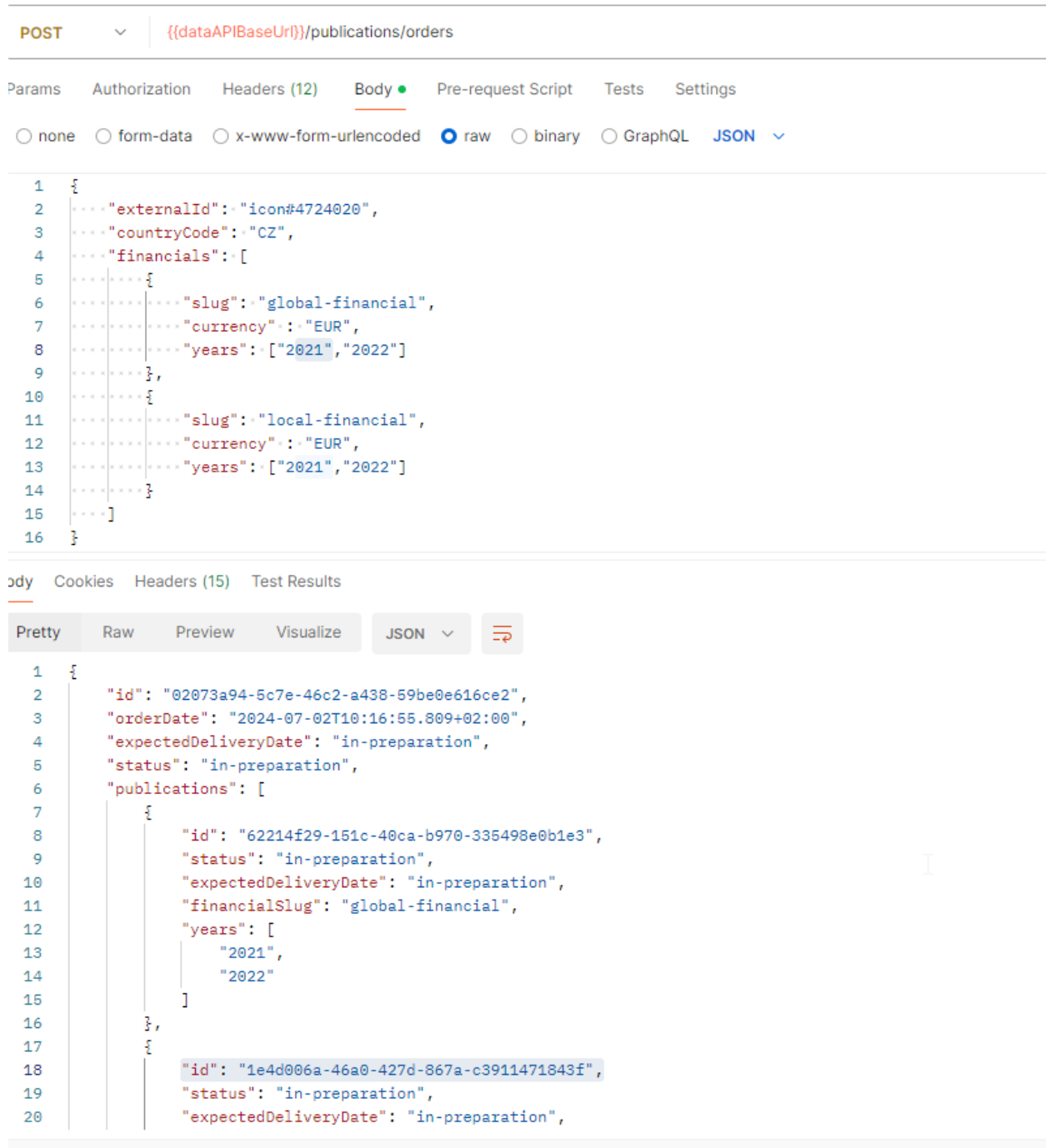
1 [
2   {
3     "financialSlug": "local-financial",
4     "years": [
5       "2022",
6       "2021",
7       "2020",
8       "2019"
9     ]
10  },
11   {
12     "financialSlug": "global-financial",
13     "years": [
14       "2022",
15       "2021",
16       "2020",
17       "2019"
18     ]
19  }
20 ]

```

Response will contain the years for which the financial information is available.

Now, we will order via one of the externalId, and we will choose iconNo:

**POST** `{{dataAPIBaseUrl}}/publications/orders`



The screenshot displays a REST client interface with a POST request to `{{dataAPIBaseUrl}}/publications/orders`. The request body is a JSON object with the following structure:

```

1 {
2   "externalId": "icon#4724020",
3   "countryCode": "CZ",
4   "financials": [
5     {
6       "slug": "global-financial",
7       "currency": "EUR",
8       "years": ["2021", "2022"]
9     },
10    {
11      "slug": "local-financial",
12      "currency": "EUR",
13      "years": ["2021", "2022"]
14    }
15  ]
16 }

```

The response body is also shown in JSON format:

```

1 {
2   "id": "02073a94-5c7e-46c2-a438-59be0e616ce2",
3   "orderDate": "2024-07-02T10:16:55.809+02:00",
4   "expectedDeliveryDate": "in-preparation",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "62214f29-151c-40ca-b970-335498e0b1e3",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "in-preparation",
11      "financialSlug": "global-financial",
12      "years": [
13        "2021",
14        "2022"
15      ]
16    },
17    {
18      "id": "1e4d006a-46a0-427d-867a-c3911471843f",
19      "status": "in-preparation",
20      "expectedDeliveryDate": "in-preparation",

```

Request body should contain the “*financials*” section where the “*slug*”, “*currency*” and the “*years*” values must be specified as in the above sample.

Response is containing the global id and ids of the orders placed, as for all the other products.

Now with the global id, can be checked the status of the order:

GET
{{dataAPIBaseUrl}}/publications/orders?id=02073a94-5c7e-46c2-a438-59be0e616ce2

Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings

Query Params

Key	Value	Description
id	02073a94-5c7e-46c2-a438-59be0e616ce2	
Key	Value	Description

body
Cookies
Headers (18)
Test Results
Status:

Pretty
Raw
Preview
Visualize
JSON

```

1  [
2    {
3      "id": "02073a94-5c7e-46c2-a438-59be0e616ce2",
4      "companyId": "80681a13-4031-31b3-8a04-4dc2938e8854",
5      "externalId": "icon#4724020",
6      "orderDate": "2024-07-02T10:17:05+02:00",
7      "deliveryDate": "2024-07-02T10:17:22+02:00",
8      "status": "ready",
9      "channelDelivery": "DATA API",
10     "publications": [
11       {
12         "id": "62214f29-151c-40ca-b970-335498e0b1e3",
13         "language": "en",
14         "format": "application/json",
15         "status": "ready",
16         "financialSlug": "global-financial",
17         "years": [
18           "2021",
19           "2022"
20         ],
21         "backendOrderId": "3-4860350"
22       },
23       {
24         "id": "1e4d006a-46a0-427d-867a-c3911471843f",
25         "language": "en",
26         "format": "application/json",
27         "status": "ready",
28         "financialSlug": "local-financial",
29         "years": [
30           "2021",

```

And with the publication ids, the content of each financial product can be downloaded.

## Local financials:

GET [\(\(dataAPIBaseUri\)\)publications?format=json&id=1e4d006a-46a0-427d-867a-c3911471843f](((dataAPIBaseUri))publications?format=json&id=1e4d006a-46a0-427d-867a-c3911471843f)

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
language	EN	
format	json	
id	1e4d006a-46a0-427d-867a-c3911471843f	

dy Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   {
3     "releaseDate": "2024-07-02",
4     "companyId": "08681a13-4031-31b3-8a84-4dc2938e8854",
5     "externalId": "icon#4724828",
6     "financialSlug": "local-financial",
7     "years": [
8       "2022",
9       "2021"
10    ],
11    "type": "6",
12    "name": "LLC",
13    "balanceSheetItems": [
14      {
15        "type": "988",
16        "name": "Balance sheet",
17        "indicators": []
18      },
19      {
20        "type": "986",
21        "name": "Assets",
22        "indicators": [
23          {
24            "type": {
25              "value": "982",
26              "name": "TOTAL ASSETS"
27            },
28            "date": "20221231",
29            "fromDate": "20220101",
30            "toDate": "20221231",

```

## Global financials:

GET [\(\(dataAPIBaseUri\)\)publications?format=json&id=62214f29-151c-40ca-b970-335498e0b1e3](((dataAPIBaseUri))publications?format=json&id=62214f29-151c-40ca-b970-335498e0b1e3)

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
language	EN	
format	json	
id	62214f29-151c-40ca-b970-335498e0b1e3	

ody Cookies Headers (14) Test Results Status: 200 OK Time: 951 ms Size: 18.45 KB

Pretty Raw Preview Visualize JSON

```

1 {
2   {
3     "releaseDate": "2024-07-02",
4     "companyId": "08681a13-4031-31b3-8a84-4dc2938e8854",
5     "externalId": "icon#4724828",
6     "financialSlug": "global-financial",
7     "years": [
8       "2022",
9       "2021"
10    ],
11    "type": "801",
12    "name": "IGF-IBS - ICON GLOBAL FINANCIALS",
13    "balanceSheetItems": [
14      {
15        "type": "",
16        "name": "",
17        "indicators": [
18          {
19            "type": {
20              "value": "5883",
21              "name": "Fixed assets"
22            },
23            "date": "20221231",
24            "fromDate": "20220101",
25            "toDate": "20221231",
26            "fromAmount": 6472379481.8875,
27            "currency": {
28              "value": "EUR",
29              "name": "Euro"
30            },

```

Format of financial is always JSON. It is not mandatory to order both financial products, only one can be ordered. In POST request then, user will put only the wanted slug.



### 1.4.2 Ordering a product for a company not identified.

**Prerequisite:** you need to request an Identification of the company for which you need to order (See section **1.3.1 Request the identification**) so that you have the `companyIdentificationId` returned by ICON.

**Endpoint** to be used:

**POST** `{{dataAPIBaseUrl}}/publications/orders` OR

**POST** `{{dataAPIBaseUrl}}/monitorings/orders`

**Request body:**

```
{
  "companyIdentification": "52a2637b-4a50-4405-b570-8f4fc1aa6a58",
  "report": {
    "slug": "full-report",
    "language": "EN",
    "format": [
      "pdf",
      "json"
    ],
    "processingTimeInstruction": "immediate"
  }
}
```

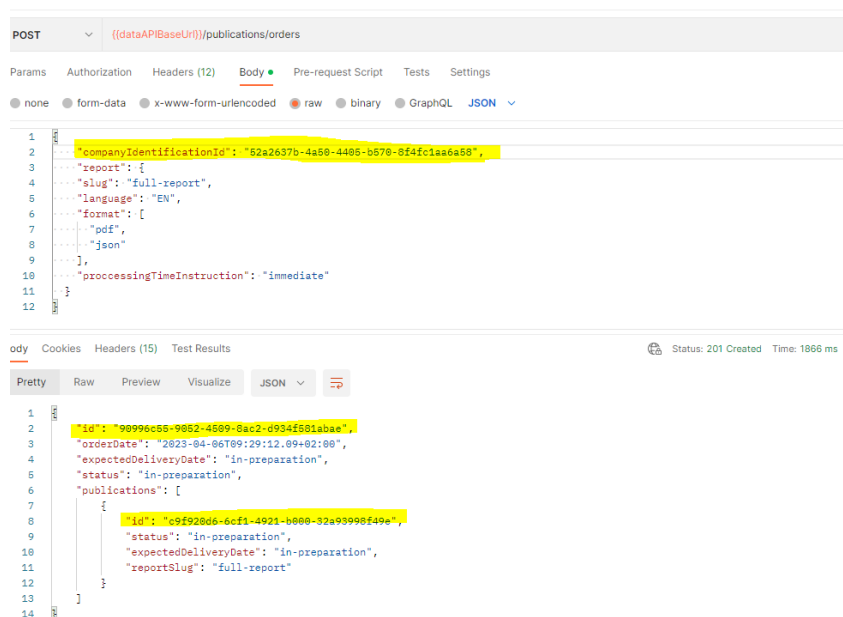
No parameters

Body of the request should contain mandatory information: *companyIdentification*, product section, which can be “*report*” or “*assessments*” or “*financials*”

More details and explanation for fields that need to be present for each of the section, can be found behind each element from swagger, by clicking on Model and after that, on arrow down for each drop down that is available.

Swagger can be found under AWS Dev portal: <https://devportal.coface.com/apis/qves74kqv0/v1>

**Response** is the same as when ordering for an identified company. From here, all the other steps can be performed: get status of the order and, when ready, get the content of the order.



```

POST {{dataAPIBaseUrl}}/publications/orders

{
  "companyIdentificationId": "52a2637b-4a58-4485-b578-8f4fc1aa6a58",
  "report": {
    "slug": "full-report",
    "language": "EN",
    "format": [
      "pdf",
      "json"
    ],
    "processingTimeInstruction": "immediate"
  }
}

```

```

{
  "id": "9999ec55-9852-4609-8ac2-d934f581abae",
  "orderDate": "2023-04-06T09:29:12.09+02:00",
  "expectedDeliveryDate": "in-preparation",
  "status": "in-preparation",
  "publications": [
    {
      "id": "c9f928d6-6cf1-4921-b808-32a93998f49a",
      "status": "in-preparation",
      "expectedDeliveryDate": "in-preparation",
      "reportSlug": "full-report"
    }
  ]
}

```

### 1.4.3 Ordering a product using Callback mechanism.

Callback mechanism is provided by Coface API in case the order was not finished immediately. Therefore, we offer the customer the possibility to be announced when the order is completed.

Ordering a product using the callback mechanism has exactly the same steps as described under section [1.4.1 Ordering a product for an identified company](#)

The only difference is the fact that in the body of the request one more field is added, **callbackUrl**. In this field, an URL address is given as input by the customer. **“callbackUrl”** field should be placed outside of any of the sections “report”, “assessments” or “financials”.

More details and explanation for the field can be found inside swagger, by clicking on Model and after that, on arrow down for each drop down that is available.

Swagger can be found under AWS Dev portal: <https://devportal.coface.com/apis/qves74kqv0/v1>

How it works: We have a “callback” job which is running on each minute, and for all orders which are finished by that moment, and they were marked as orders with callback( based on the value from http request), we sent one ping to the corresponding URL. We do not provide anything to customer server via that call, no info about the order or about the product. It is just a ping to URL provided, and we will retry several times (16 times) if the URL is not available. We are not having any authentication method when calling the URL.

When customer receives a ping on the corresponding URL, it can access the corresponding Endpoint of the API to download the content of the product.

### Callback retry:

The **maximum number of retries** for a callback is **16**.

**The rule** to establish if the request will be **scheduled again** is the following:

If status code of the response is **NOT** between 200 and 299(inclusive)

Every request has a timeout set for 10 seconds. So, after 10 seconds, if the client server doesn't respond, we automatically close the request, and a new one will be scheduled.

To calculate the **next request time** it applies the following algorithm:

If tryNumber is > 8 then we try again in **8 hours**.

Else the next try is in  $2^{\text{tryNumber}}$  minutes:

// **1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 min**, where tryNumber starts from 0.

Practical example:

If it was the first request and failed, the next one will be scheduled after **1 minute**. (tryNumber = 0)

If it was the second request and failed, the next one will be scheduled after **2 minutes**. (tryNumber = 1)

...

...

If it was the 9th request and failed, the next one will be after **256 minutes**. (tryNumber = 8)

If it was the 10th.. 16th request, the next one will be set after **8 hours**. ( $9 \leq \text{tryNumber} \leq 15$ .)

## 1.5. Checking order status

After using the POST method, customer gets as response a JSON structure containing:

- one id which allows checking the status of the order (initial status of request is "in-preparation")
- "publications" section containing all products ordered in same order. All of them have this initial status "in-preparation."

In order to check the status of the whole order, first id value must be used for endpoint

**GET /publications/orders/{id}**

GET	{{dataAPIBaseUrl}}/publications/orders?id=63de55be-18ab-425b-aadd-be39a4dda72c
-----	--------------------------------------------------------------------------------

Params	Authorization	Headers (10)	Body	Pre-request Script	Tests	Settings
--------	---------------	--------------	------	--------------------	-------	----------

Key	Value
<input checked="" type="checkbox"/> id	63de55be-18ab-425b-aadd-be39a4dda72c
Key	Value

ody Cookies Headers (16) Test Results

Pretty Raw Preview Visualize JSON

```

1  [
2    {
3      "id": "63de55be-18ab-425b-aadd-be39a4dda72c",
4      "orderDate": "2023-05-08T01:58:58+02:00",
5      "deliveryDate": "2023-05-08T01:59:06+02:00",
6      "status": "ready",
7      "publications": [
8        {
9          "id": "204aea7a-0088-4f49-b566-9e9eb41bb039",
10         "status": "ready",
11         "reportSlug": "snapshot-report"
12       }
13     ]
14   }
15 ]

```

Status of the order will be ready if all publications of the order are ready. If one of the publication is not ready, the status of global order will be still “in-preparation”.

**Attention!** Only when status of the order / publication will be “ready” you will be able to retrieve the content of the corresponding product ordered (publication)

## 1.6. Retrieving the data

If order is finished, customer can call method [GET /publications?format={format}&{id}](#) Format and id parameters are mandatory. Format should be the one used when POST call was made and id should be the id returned in “publications” section returned by API on POST method.


GET [{{dataAPIBaseUrl}}/publications?format=json&id=204eea7a-0088-4f49-b566-9e9eb41bb039](#)

Params • Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value
<input type="checkbox"/> language	EN
<input checked="" type="checkbox"/> format	json
<input checked="" type="checkbox"/> id	204eea7a-0088-4f49-b566-9e9eb41bb039
Key	Value

Body Cookies Headers (15) Test Results

Pretty Raw Preview Visualize JSON 

```

1  {
2    "icon": {
3      "version": "1.0.0",
4      "orderStatus": {
5        "intercreditOrderNumber": "3400600",
6        "provider": {
7          "providerId": "4",
8          "name": "Coface Poland Credit Management Services Sp. z o.o.",
9          "senderId": "IC01",
10         "city": "Warszawa",
11       }
12     }
13   }
14 }

```

## 1.7 Request Monitoring

Customer can request monitoring, by **ordering one of the combined products**: *Full Report with Monitoring, Snapshot Report with Monitoring, DRA with Monitoring, @ Credit Opinion with Monitoring, Advanced Opinion with monitoring, Country Risk Assessment with monitoring, and Sector Risk Assessment with monitoring.*

Only identified companies can be monitored.

By default Monitoring should last 12 months.

In order to order a combined product, endpoint **POST** [{{dataAPIBaseUrl}}/monitorings/orders](#) needs to be used, using the slug/product id returned by API when company was identified. So, if I identified a company and I have the companyID, I am placing the monitoring order:

```

POST {{dataAPIBaseUrl}}/monitorings/orders

{
  "countryCode": "PL",
  "companyId": "8a4aa0e5-ed39-342d-afd4-15a609503db2",
  "startDate": "2023-01-16",
  "report": {
    "slug": "full-report",
    "language": "en",
    "format": [
      "pdf",
      "json"
    ],
    "processingTimeInstruction": "immediate",
    "investigationSpeedLevel": "normal"
  }
}

```

```

{
  "orderDate": "2023-04-21T06:09:11.295+02:00",
  "monitorings": [
    {
      "id": "ec16d6b9-777b-466a-98ad-150929e255df",
      "companyId": "8a4aa0e5-ed39-342d-afd4-15a609503db2",
      "initialDeliveryId": "ec16d6b9-777b-466a-98ad-150929e255df",
      "startDate": "2023-04-21",
      "endDate": "2024-04-21",
      "countryCode": "PL",
      "reportSlug": "full-report",
      "expectedDeliveryDate": "in-preparation",
      "status": "in-preparation"
    }
  ]
}

```

In the response I am getting some information like: Id of the monitoring order, start and end date of the monitoring, status (which is “in-preparation”) , expectedDeliveryDate, companyId, country Code and product for which monitoring was ordered.

Now, I can check the status of this order using endpoint **GET** `{{dataAPIBaseUrl}}/monitorings/:id`

```

GET {{dataAPIBaseUrl}}/monitorings/:id

```

Key	Value	Description
Key	Value	Description

Key	Value	Description
id	ec16d6b9-777b-466a-98ad-150929e255df	Description

```

{
  "id": "ec16d6b9-777b-466a-98ad-150929e255df",
  "companyId": "8a4aa0e5-ed39-342d-afd4-15a609503db2",
  "externalId": "icon#121538014",
  "initialDeliveryId": "ec16d6b9-777b-466a-98ad-150929e255df",
  "startDate": "2023-04-21",
  "endDate": "2024-04-21",
  "countryCode": "PL",
  "reportSlug": "full-report",
  "status": "monitoring_active"
}

```

If the request is successful (status is “monitoring\_active”) then the company starts to be monitored.



## 1.9 Retrieving monitoring notifications.

As a customer which ordered monitoring (you have companies monitored) you will need to fetch the changes which are happening on these monitored companies.

There are 2 ways of doing this: using Callback mechanism or pulling regularly the notifications. The only difference between the 2 ways is that, if for the first way you will perform actions to get the notifications only after ping is sent to provided URL, for the second method, you are doing it without any trigger when you want, depending on your need. You can do it regularly daily, weekly, etc.

First part of Callback mechanism is done when ordering: inside POST body request you need to provide an URL where we will ping when a notification is created.

Please check here, how to configure a notification callback. (TBD)

Remarks:

- If you have this mechanism configured, then in the moment a notification is created on our side, for this order, the provided URL will receive a ping from Coface side.
- Ping call does not push any information (content or meta-data about the order) and does not have any authentication mechanism.
- Notifications are created and pushed once per day

If you used callback mechanism when ordering, then you will do the below steps triggered by the ping received in the provided URL.

If you did not used callback, then is up to you to implement a scheduler to do actions described below, depending on your need.

Steps to be done for getting the notifications (independent if you used callback mechanism or not):

**Step 1:** check via notification Endpoint which notification was received. Call can be made using several parameters in order to have a more feasible response. It can be done using data filter (to obtain all notifications per day or per specific period) OR via following filters:  
product/order/company/customerReference/channelDelivery

Requests:

Getting all notifications daily:

**GET** `{{dataAPIBaseUrl}}/notifications?deliveryDateFrom=2024-07-29&deliveryDateTo=2024-07-29`

Getting all notifications for a specific product, any company, since the beginning of the monitoring:

**GET** `{{dataAPIBaseUrl}}/notifications?productSlug=dra-report`

Getting all notifications from a product in a specific period of time:

**GET** `{{dataAPIBaseUrl}}/notifications?deliveryDateFrom=2024-05-01&deliveryDateTo=2024-07-29&productSlug=dra-report`



## Response:


GET `{{dataAPIBaseUrl}}/notifications?deliveryDateFrom=2024-05-01&deliveryDateTo=2024-07-29&productSlug=dra-report`

Params • Authorization Headers (10) Body Scripts Tests Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> deliveryDateFrom	2024-05-01	Date to gr
<input checked="" type="checkbox"/> deliveryDateTo	2024-07-29	Date to gr
<input type="checkbox"/> range	60-20	Pagination
<input checked="" type="checkbox"/> productSlug	dra-report	

Body Cookies Headers (17) Test Results

Pretty Raw Preview Visualize JSON 

```

1  [
2    {
3      "id": "12916371",
4      "monitoringId": "23547a87-f6b2-4b7f-8984-a94e87c548b6",
5      "deliveryDate": "2024-05-27",
6      "language": "en",
7      "format": "application/pdf",
8      "channelDelivery": "Icon Front Office",
9      "publicationUpdates": [
10       {
11         "type": {
12           "code": "549",
13           "text": "DRA score"
14         },
15         "type2": "0"
16       }
17     ]
18   },
19   {
20     "id": "12916374",
21     "monitoringId": "74844645-a4c9-4e31-95e9-323ba823ab97",
22     "deliveryDate": "2024-05-27",
23     "language": "en",
24     "format": "application/pdf",
25     "channelDelivery": "Icon Front Office",
26     "publicationUpdates": [
27       {
28         "type": {

```

Contains an array of all notifications requested. Number and type of notifications depend on filter used in request. It can have all notifications for one product but for all companies, for all products all companies, or other combinations of filters.

Each notification will have: id of the notification, id of the monitoring order, deliveryDate, format, language, channelDelivery, callbackUrl and publicationUpdates object.

The content of publicationUpdates object, depends on which product the notification belongs to. We can have the whole new content of the product or just some highlights of what have been changed.

**Step2:** For each notification received, take the id and the format of the notification, and get the content of the notification via corresponding endpoint.

## Request:

**GET** `{{dataAPIBaseUrl}}/notifications/:notificationId/content?format=json`

## Response:

```

{
  "monitTitle": "Company monitoring details",

```

```

"monitReleaseDate": "",
"monitDetailsProduct": "DRA Monitoring",
"monitDetailOrderNo": "17291221",
"monitCpDetailsName": "Company CORPORATION",
"monitCpDetailsAddress": "100 PARK AVE, 07932-1049 FLORHAM PARK, US",
"monitCpDetailsContact": "",
"monitCpDetailsICONNo": "123456789",
"monitCpDetailsVATNo": "",
"monitCpDetailsRegistrationNo": "000489930",
"monitCpDetailsLegalStatus": "",
"monitCpDetailsStatisticNo": "",
"monitDRAValue": "8015",
"monitDRACHangesOldValue": "8013",
"monitDRAProbabilityOfDefaultNewVal": "New POD 0.4%",
"monitDRAProbabilityOfDefaultOldVal": "Previous POD 1.3%",
"monitProductCurrency": "",
"isUrbaOrder": false,
"isApionDragonProduct": false,
"internationalCompanyName": ""
}

```

GET
{{dataAPIBaseUrl}}/notifications/:notificationId/content?format=json

Params
Authorization
Headers (10)
Body
Scripts
Tests
Settings

Query Params

Key	Value
format	json
Key	Value

Path Variables

Key	Value
notificationId	12500176

Body
Cookies
Headers (16)
Test Results

Pretty
Raw
Preview
Visualize
JSON

```

1 {
2   "monitTitle": "Company monitoring details",
3   "monitReleaseDate": "",
4   "monitDetailsProduct": "DRA with Monitoring",
5   "monitDetailOrderNo": "16272872",
6   "monitCpDetailsName": "Company CORPORATION",
7   "monitCpDetailsAddress": "100 PARK AVE, 07932-1049 FLORHAM PARK, US",
8   "monitCpDetailsContact": "",
9   "monitCpDetailsICONNo": "123456789",
10  "monitCpDetailsVATNo": "",
11  "monitCpDetailsRegistrationNo": "000489930",
12  "monitCpDetailsLegalStatus": "",
13  "monitCpDetailsStatisticNo": "",
14  "monitDRAValue": "8015",
15  "monitDRACHangesOldValue": "8013",
16  "monitDRAProbabilityOfDefaultNewVal": "New POD 0.4%",
17  "monitDRAProbabilityOfDefaultOldVal": "Previous POD 1.3%",
18  "monitProductCurrency": "",
19  "isUrbaOrder": false,
20  "isApionDragonProduct": false,
21  "internationalCompanyName": ""
22 }

```

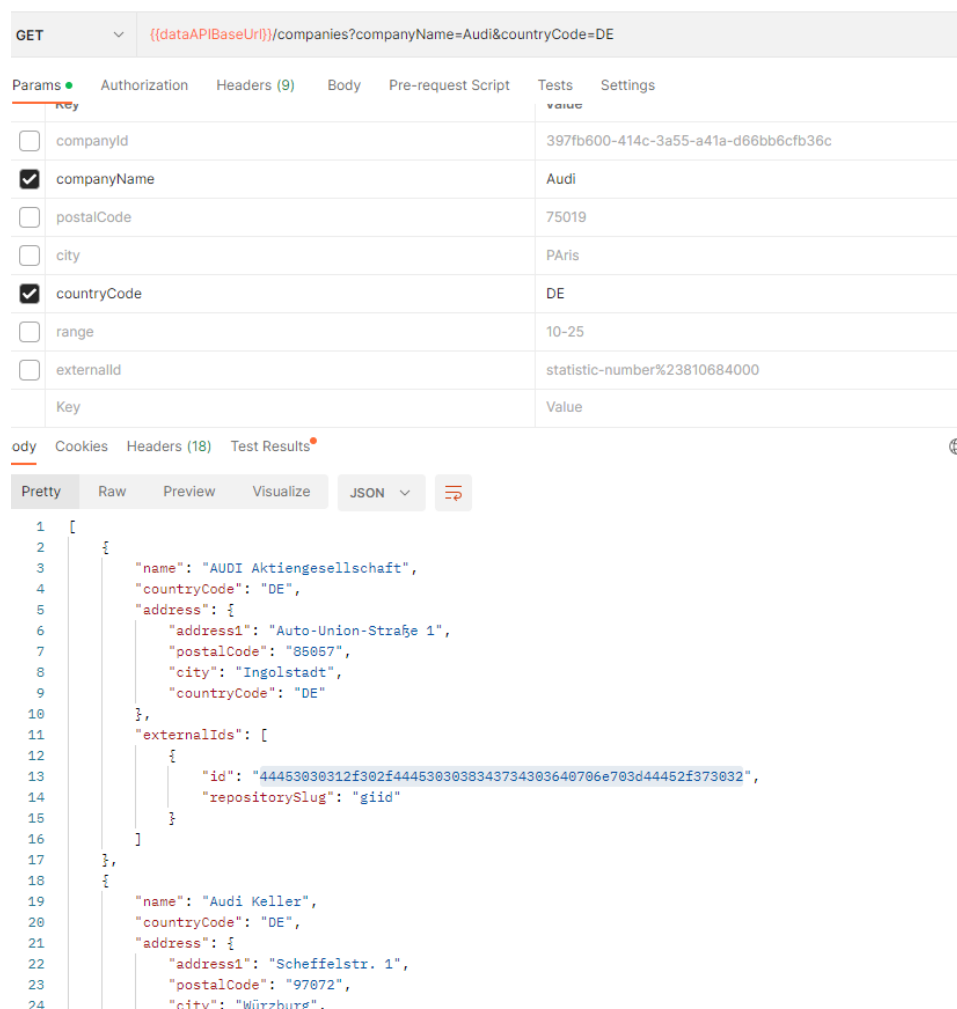
## 2. Use cases

### 2.1 Ordering multiple products for same company

#### 2.1.1 Ordering 2 assessments in one call

You want to order some products for Audi Company in DE

First step is to search, using company name and country code, as this is what you know currently:



The screenshot shows a REST client interface with a GET request to the endpoint `{{dataAPIBaseUrl}}/companies?companyName=Audi&countryCode=DE`. The parameters tab is active, showing a list of key-value pairs for the request. Below the parameters, the response is displayed in a JSON format, showing two company entries.

Key	Value
<input type="checkbox"/> companyId	397fb600-414c-3a55-a41a-d66bb6cfb36c
<input checked="" type="checkbox"/> companyName	Audi
<input type="checkbox"/> postalCode	75019
<input type="checkbox"/> city	PARis
<input checked="" type="checkbox"/> countryCode	DE
<input type="checkbox"/> range	10-25
<input type="checkbox"/> externalId	statistic-number%23810684000
Key	Value

```

1  [
2  {
3    "name": "AUDI Aktiengesellschaft",
4    "countryCode": "DE",
5    "address": {
6      "address1": "Auto-Union-Straße 1",
7      "postalCode": "86067",
8      "city": "Ingolstadt",
9      "countryCode": "DE"
10   },
11   "externalIds": [
12     {
13       "id": "44453030312f302f4445303038343734303640706e703d44452f373032",
14       "repositorySlug": "giid"
15     }
16   ]
17 },
18 {
19   "name": "Audi Keller",
20   "countryCode": "DE",
21   "address": {
22     "address1": "Scheffelstr. 1",
23     "postalCode": "97072",
24     "city": "Würzburg".

```

Call is sent to one of our providers (the one to which your customer profile is routed to). Provider is returning all results that it has with this name and country code. In this case, API returned 200 results.

Per page we have 20 results, and pagination is in place (you can see the 206 partial content, and headers values highlighted below):

GET ▼ `{{dataAPIBaseUrl}}/companies?companyName=Audi&countryCode=DE`

Params ● Authorization Headers (9) Body Pre-request Script Tests Settings

key	value	description
<input type="checkbox"/> companyId	397fb600-414c-3a55-a41a-d66bb6cfb36c	Company identifier
<input checked="" type="checkbox"/> companyName	Audi	Company name
<input type="checkbox"/> postalCode	75019	Postal code, ZIP Code
<input type="checkbox"/> city	PARis	City
<input checked="" type="checkbox"/> countryCode	DE	Country code (ISO 3166 Alp
<input type="checkbox"/> range	10-25	Pagination interval ↕

ody Cookies Headers (18) Test Results ● 🔍 Status: 206 Partial Content Time: 22.!

key	value
Connection	keep-alive
x-amzn-RequestId	8917b20d-40be-42df-ac14-d4ecc028fcc5
Access-Control-Allow-Origin	*
Content-Encoding	gzip
x-amzn-Remapped-Content-Length	1019
Access-Control-Allow-Headers	Content-Type, api_key, Authorization
Content-Range	0-20/200
X-RateLimit-Remaining	59
x-amz-apigw-id	DxMmVFhtCGYF6CA=
Vary	Accept-Encoding, User-Agent
X-RateLimit-Limit	60
Access-Control-Allow-Methods	GET, POST, DELETE, PUT

You have 200 results. In order to check others which are not in first page, you need to use the range parameter. We are showing max 20 results per page.

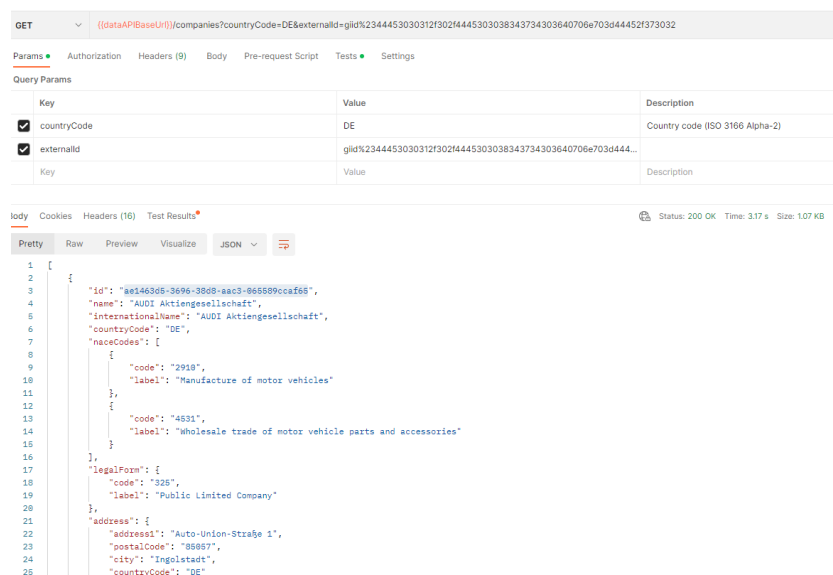
GET ▼ `{{dataAPIBaseUrl}}/companies?companyName=Audi&countryCode=DE&range=10-25`

Params ● Authorization Headers (9) Body Pre-request Script Tests Settings

key	value
<input type="checkbox"/> companyId	397fb600-414c-3a55-a41a-d66bb6cfb36c
<input checked="" type="checkbox"/> companyName	Audi
<input type="checkbox"/> postalCode	75019
<input type="checkbox"/> city	PARis
<input checked="" type="checkbox"/> countryCode	DE
<input checked="" type="checkbox"/> range	10-25

Now, out of 200 companies, you need to identify one of them in order to order some products.

There are 2 ways: either you choose one, and take the giid value and use it as externalId parameter and make the order with it, OR, you make one more call and uniquely identify the company and then you can order using another identifier replied by API ( vat number, companyId, icon no)



GET `((dataAPI@baseUri))/companies?countryCode=DE&externalId=giid%2344453030312f302f44453030383437343036407064703d44452f373032`

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> countryCode	DE	Country code (ISO 3166 Alpha-2)
<input checked="" type="checkbox"/> externalId	giid%2344453030312f302f44453030383437343036407064703d44452f373032	

body Cookies Headers (16) Test Results Status: 200 OK Time: 317 s Size: 1.07 KB

Pretty Raw Preview Visualize JSON

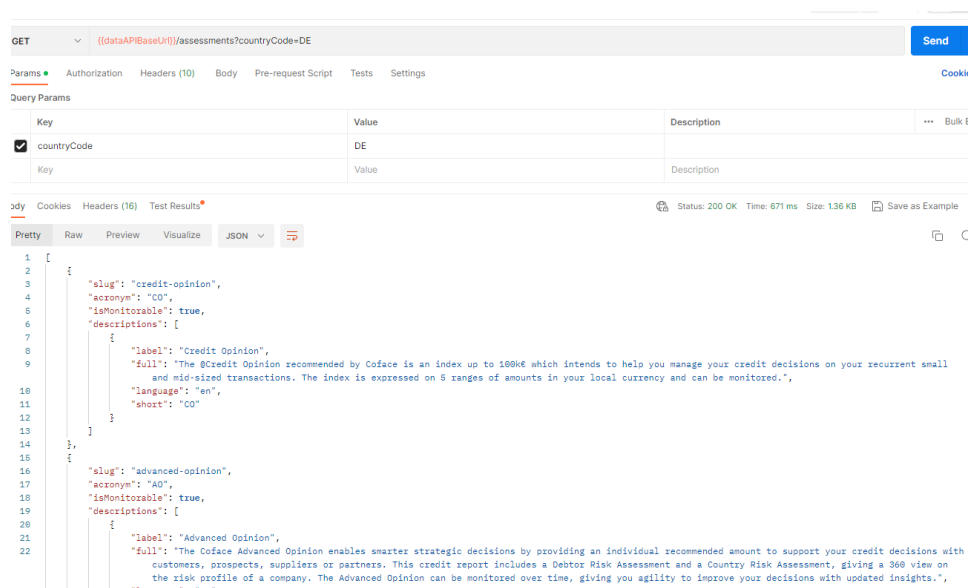
```

1 [
2   {
3     "id": "ae1463d5-3696-3808-aac3-865589ccaf65",
4     "name": "AUDI Aktiengesellschaft",
5     "internationalName": "AUDI Aktiengesellschaft",
6     "countryCode": "DE",
7     "naceCodes": [
8       {
9         "code": "2918",
10        "label": "Manufacture of motor vehicles"
11      },
12      {
13        "code": "4831",
14        "label": "Wholesale trade of motor vehicle parts and accessories"
15      }
16    ],
17     "legalForm": [
18       {
19         "code": "325",
20         "label": "Public Limited Company"
21       }
22     ],
23     "address": {
24       "address1": "Auto-Union-Straße 1",
25       "postalCode": "86687",
26       "city": "Ingolstadt",
27       "countryCode": "DE"
28     }
29   }
30 ]
  
```

Now, company is saved into ICON, and has more identifiers associated: easy, icon nr, companyId, etc.

In this moment, you need to check and see what the available products are for this company, together with their availability (immediate or on-order):

Check assessments:



GET `((dataAPI@baseUri))/assessments?countryCode=DE` Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	...	Bulk E
<input checked="" type="checkbox"/> countryCode	DE			

body Cookies Headers (16) Test Results Status: 200 OK Time: 671 ms Size: 1.36 KB Save as Example

Pretty Raw Preview Visualize JSON

```

1 [
2   {
3     "slug": "credit-opinion",
4     "acronym": "CO",
5     "isMonitorable": true,
6     "descriptions": [
7       {
8         "label": "Credit Opinion",
9         "full": "The Credit Opinion recommended by Coface is an index up to 100k€ which intends to help you manage your credit decisions on your recurrent small and mid-sized transactions. The index is expressed on 8 ranges of amounts in your local currency and can be monitored.",
10        "language": "en",
11        "short": "CO"
12      }
13    ]
14  },
15  {
16    "slug": "advanced-opinion",
17    "acronym": "AO",
18    "isMonitorable": true,
19    "descriptions": [
20      {
21        "label": "Advanced Opinion",
22        "full": "The Coface Advanced Opinion enables smarter strategic decisions by providing an individual recommended amount to support your credit decisions with customers, prospects, suppliers or partners. This credit report includes a Debtor Risk Assessment and a Country Risk Assessment, giving a 360 view on the risk profile of a company. The Advanced Opinion can be monitored over time, giving you agility to improve your decisions with updated insights.",
23        "language": "en",
24        "short": "AO"
25      }
26    ]
27  }
28 ]
  
```

## Check reports:

GET ⌵ `{{dataAPIBaseUrl}}/companies/reports?companyId=ae1463d5-3696-38d8-aac3-065589ccaf65&countryCode=DE`

Params ● Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value
<input checked="" type="checkbox"/> companyId	ae1463d5-3696-38d8-aac3-065589ccaf65
<input checked="" type="checkbox"/> countryCode	DE
<input type="checkbox"/> externalId	easy#00002550018258
<input type="checkbox"/> externalId	vat-number%237711391760
Key	Value

Body Cookies Headers (16) Test Results ●

Pretty Raw Preview Visualize JSON ⌵ ≡

```

1  {
2    {
3      "slug": "full-report",
4      "reportName": "Full Report",
5      "availability": "immediate",
6      "isMonitorable": true,
7      "format": [
8        "html",
9        "xml",
10       "pdf",
11       "txt",
12       "json"
13     ]
14   },
15   {
16     "slug": "snapshot-report",
17     "reportName": "Snapshot Report",
18     "availability": "immediate",
19     "isMonitorable": true,
20     "format": [
21       "html",
22       "xml"

```

## Check financials:

GET ▼ `{{dataAPIBaseUrl}}/companies/financials?companyId=ae1463d5-3696-38d8-aac3-065589ccaf65`

Params ● Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

Key	Value
<input checked="" type="checkbox"/> companyId	ae1463d5-3696-38d8-aac3-065589ccaf65
Key	Value

body Cookies Headers (14) Test Results ●

Pretty Raw Preview Visualize JSON ▼ ≡

```

1  [
2    {
3      "financialSlug": "global-financial",
4      "years": [
5        "2019",
6        "2018",
7        "2017",
8        "2015"
9      ]
10   },
11   {
12     "financialSlug": "local-financial",
13     "years": [
14       "2019",
15       "2018",
16       "2017",
17       "2015"
18     ]
19   }
20 ]

```

Now is time to order:

Ordering 2 assessments: Country Risk Assessment and Sector Risk Assessment in same call:

POST

{{dataAPIBaseUrl}}/publications/orders

Params

Authorization

Headers (12)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```

1  {
2    "companyId": "{{companyId}}",
3    "assessments": [
4      {
5        "slug": "country-risk-assessment"
6      },
7      {
8        "slug": "sector-risk-assessment"
9      }
10   ]
11 }

```

Body

Cookies

Headers (14)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```

1  {
2    "id": "0d7452fc-36f1-4676-abd5-db99ce0bd6f6",
3    "orderDate": "2023-04-22T09:45:28.751+02:00",
4    "expectedDeliveryDate": "in-preparation",
5    "status": "in-preparation",
6    "publications": [
7      {
8        "id": "fb33db98-211f-40ef-8125-2a8f00a00d74",
9        "status": "in-preparation",
10       "expectedDeliveryDate": "in-preparation",
11       "assessmentSlug": "country-risk-assessment"
12     },
13     {
14       "id": "db85bc66-cd6a-4c3f-b0bc-995508343aa9",
15       "status": "in-preparation",
16       "expectedDeliveryDate": "in-preparation",
17       "assessmentSlug": "sector-risk-assessment"
18     }
19   ]
20 }

```

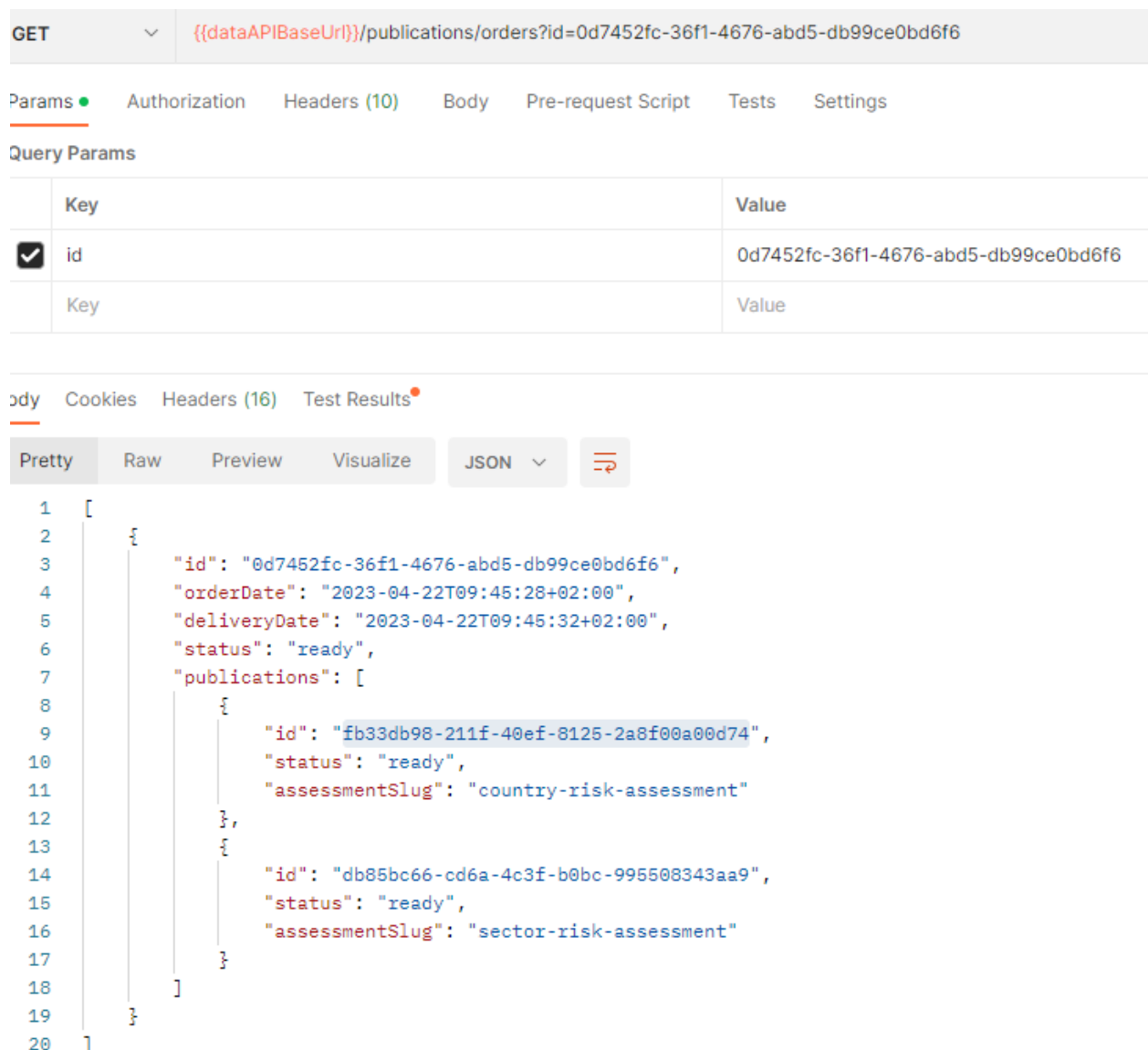
As we ordered 2 products in one order, in the response, we will get one global id of the order, first id from json and 2 ids corresponding to each product ordered.

Response of the POST call, will return status “in-preparation” if request is correct on first validations. But even if API returned Ids and “in-preparation” status, it might be that due to some technical or business reasons the order to not be created at all in the backoffice or to be cancelled.



If , for example we order a product with instructions :”immediate” but the product was not available immediate, the call of POST order returns ID and status “in-preparation” in first phase, but when trying to call the status of the order, it can be cancelled, or answer can be an empty array, as order was not at all created in backend.

This is why we have the status call as mandatory step after ordering::



The screenshot shows a REST client interface with a GET request to `{{dataAPIBaseUrl}}/publications/orders?id=0d7452fc-36f1-4676-abd5-db99ce0bd6f6`. The 'Query Params' section shows a single parameter 'id' with the value '0d7452fc-36f1-4676-abd5-db99ce0bd6f6'. The 'Test Results' section shows the JSON response in 'Pretty' format:

```

1  [
2    {
3      "id": "0d7452fc-36f1-4676-abd5-db99ce0bd6f6",
4      "orderDate": "2023-04-22T09:45:28+02:00",
5      "deliveryDate": "2023-04-22T09:45:32+02:00",
6      "status": "ready",
7      "publications": [
8        {
9          "id": "fb33db98-211f-40ef-8125-2a8f00a00d74",
10         "status": "ready",
11         "assessmentSlug": "country-risk-assessment"
12       },
13       {
14         "id": "db85bc66-cd6a-4c3f-b0bc-995508343aa9",
15         "status": "ready",
16         "assessmentSlug": "sector-risk-assessment"
17       }
18     ]
19   }
20 ]

```

As both publications are ready, CRA and SRA, you can get now the content of the products, but with a call per each product.

Getting the sector risk assessments:

GET	{{dataAPIBaseUrl}}/publications?format=json&id=db85bc66-cd6a-4c3f-b0bc-995508343aa9
-----	-------------------------------------------------------------------------------------

Params • Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value
<input type="checkbox"/> language	EN
<input checked="" type="checkbox"/> format	json
<input checked="" type="checkbox"/> id	db85bc66-cd6a-4c3f-b0bc-995508343aa9
Key	Value

Body Cookies Headers (15) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2    "isCurrent": true,
3    "assessmentSlug": "sector-risk-assessment",
4    "countryCode": "DE",
5    "inHouseRegion": {
6      "code": "WER",
7      "label": "Western Europe"
8    },
9    "sector": {
10     "code": "AUTOMOTIVE",
11     "label": "Motor vehicles, motorcycles, other vehicles and transport"
12   },
13 }
```

## Getting the country risk assessment:

GET	{{dataAPIBaseUrl}}/publications?format=json&id=fb33db98-211f-40ef-8125-2a8f00a00d74
-----	-------------------------------------------------------------------------------------

Params • Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value
<input type="checkbox"/> language	EN
<input checked="" type="checkbox"/> format	json
<input checked="" type="checkbox"/> id	fb33db98-211f-40ef-8125-2a8f00a00d74

Body Cookies Headers (16) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2    "isCurrent": true,
3    "assessmentSlug": "country-risk-assessment",
4    "countryCode": "DE",
5    "countryRiskValue": "A3",
6    "descriptions": [
7      {
8        "label": "Key financial data",
9        "full": "A3: Less favourable and/or volatile macroeconomic and financial outlook. Political shortcomings. The average probability of company default is satisfactory.",
10       "language": "en",
11       "short": "CRA"
12     }
13   ],
14   "year": "2022",
15   "yearPeriod": "Q4"
16 },
17 {
18   "isCurrent": false,
19   "assessmentSlug": "country-risk-assessment",
20   "countryCode": "DE",
21   "countryRiskValue": "A3",
22 }
```

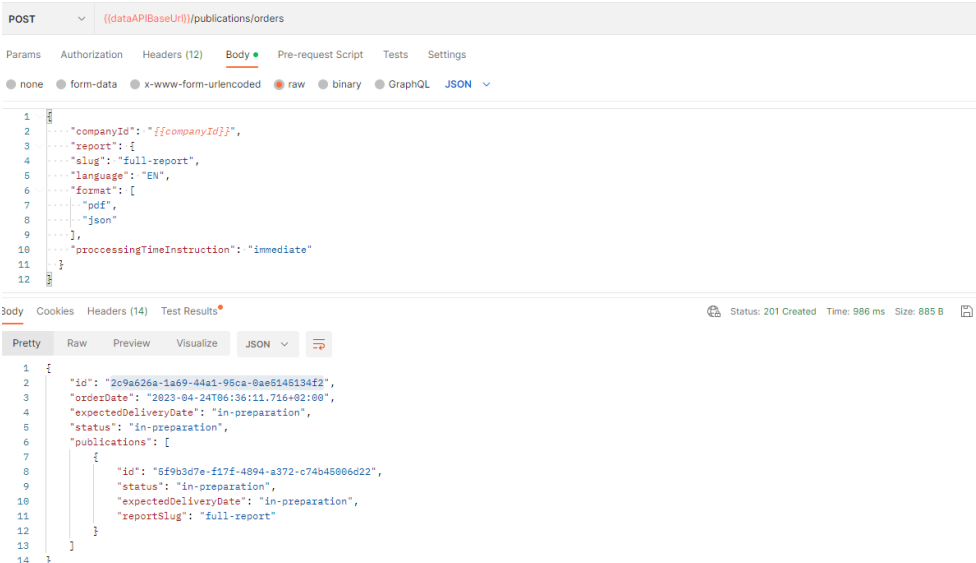
For ordering more products in one call, there is a request called URBA products inside postman collection on <https://coface.github.io/DataAPI.html#documentation>

## 2.1.2 Ordering other products for the same company

You can order now also reports.

We saw earlier when we checked the availability of the products that full report and snapshot report are immediate. Let's order them:

Ordering a full report:



**POST** `{{dataAPIBaseUrl}}/publications/orders`

Params Authorization Headers (12) **Body** Pre-request Script Tests Settings

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

```

1 {
2   "companyId": "{{companyId}}",
3   "report": {
4     "slug": "full-report",
5     "language": "EN",
6     "format": {
7       "pdf",
8       "json"
9     },
10    "processingTimeInstruction": "immediate"
11  }
12 }

```

Body Cookies Headers (14) Test Results

Status: 201 Created Time: 986 ms Size: 885 B

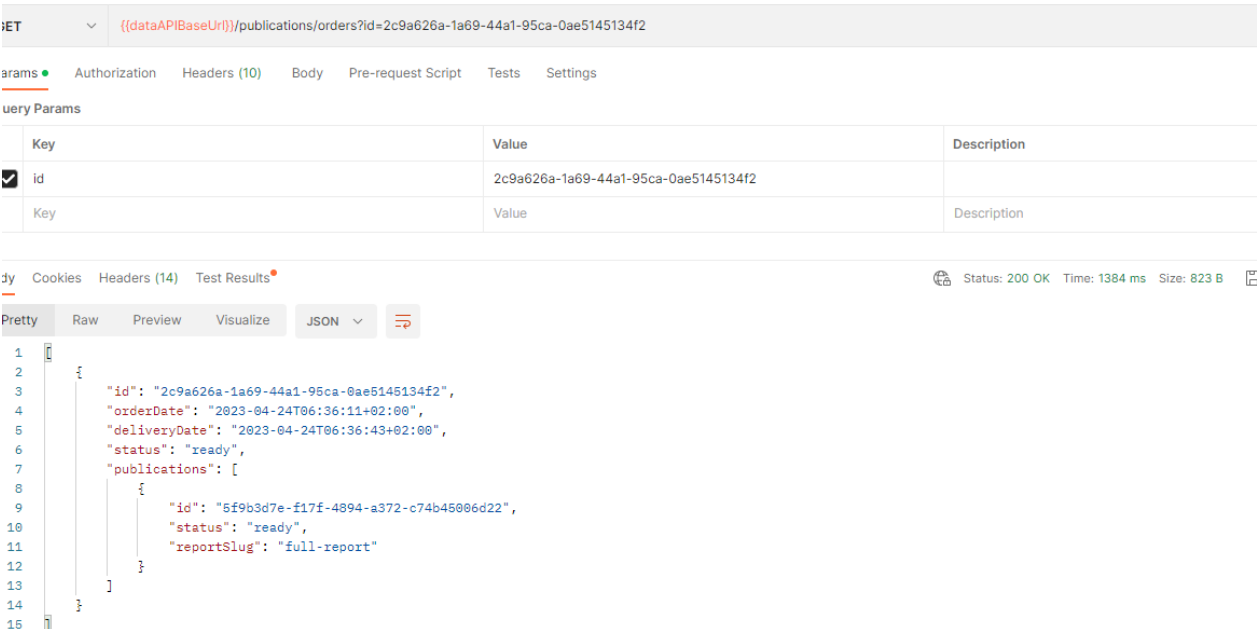
Pretty Raw Preview Visualize JSON

```

1 {
2   "id": "2c9a626a-1a69-44a1-95ca-0ae5145134f2",
3   "orderDate": "2023-04-24T06:36:11.716+02:00",
4   "expectedDeliveryDate": "in-preparation",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "5f9b3d7e-f17f-4894-a372-c74b45086d22",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "in-preparation",
11      "reportSlug": "full-report"
12    }
13  ]
14 }

```

Checking the status of the order:



**GET** `{{dataAPIBaseUrl}}/publications/orders?id=2c9a626a-1a69-44a1-95ca-0ae5145134f2`

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> id	2c9a626a-1a69-44a1-95ca-0ae5145134f2	
Key	Value	Description

Body Cookies Headers (14) Test Results

Status: 200 OK Time: 1384 ms Size: 823 B

Pretty Raw Preview Visualize JSON

```

1 {
2   "id": "2c9a626a-1a69-44a1-95ca-0ae5145134f2",
3   "orderDate": "2023-04-24T06:36:11+02:00",
4   "deliveryDate": "2023-04-24T06:36:43+02:00",
5   "status": "ready",
6   "publications": [
7     {
8       "id": "5f9b3d7e-f17f-4894-a372-c74b45086d22",
9       "status": "ready",
10      "reportSlug": "full-report"
11    }
12  ]
13 }
14
15

```

## Getting the content of the full-report in json:

CON Data API / 05 - Search & Retrieve publication / Publication content by its id

Save Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
language	EN	
format	json	
id	5f9b3d7e-f17f-4894-a372-c74b45006d22	
Key	Value	Description

Status: 200 OK Time: 206 ms Size: 15.31 KB Save as Example

Pretty Raw Preview Visualize JSON

```

1 {
2   "icon": {
3     "version": "1.0.0",
4     "orderStatus": {
5       "intercreditOrderNumber": "3399821",
6       "provider": {
7         "providerId": "A",
8         "name": "Coface Poland Credit Management Services Sp. z o.o.",
9         "senderId": "IC01",
10        "city": "Warszawa",
11        "country": {
12          "value": "PL",
13          "name": "Poland"
14        },
15        "street": "Al. Jerozolimskie",
16        "houseNumber": "142A",
17        "zipcode": "02-395"
18      },
19      "customer": {
20        "customerId": "183523668",
21        "name": "Cometa AG - Testaccount",
22        "email": "test@cometa.pl"
23      }
24    }
25  }
26}
```

## Getting the content of the full-report in pdf:


GET ((dataAPIBaseUrl))/publications?format=pdf&id=5f9b3d7e-f17f-4894-a372-c74b45006d22

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
language	EN	
format	pdf	
id	5f9b3d7e-f17f-4894-a372-c74b45006d22	
Key	Value	Description

ody Cookies Headers (15) Test Results Status: 200 OK Time: 561 ms Siz



The PDF report is titled "Full Report" and is generated on 24th Apr 2022. It contains the following information:

**Company**

AUDI AKTIENGESSELLSCHAFT  
 Principal Address:  
 Auto-Union-Straße 1  
 85057 Ingolstadt  
 Germany  
 Telephone: +49-49841890  
 Fax: +49-49841892324  
 Email: kundenbetreuung@audi.de  
 Web: www.audi.de

ICCN number: 17527499  
 Easy number: 0000022276064  
 VAT number: DE11119368

Date of Last Major Update: 28/1/2022

**Summary**

Credit Score: 1000  
 Coface Adjustment: 1000  
 Recommended Maximum Credit: 1000

Now, let us order a snapshot report:

POST `{{dataAPIBaseUrl}}/publications/orders`

Params Authorization Headers (12) Body Pre-request Script Tests Settings

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

```

1 {
2   "companyId": "{{companyId}}",
3   "report": "snapshot-report",
4   "slug": "snapshot-report",
5   "language": "EN",
6   "format": [
7     "pdf",
8     "json"
9   ],
10  "processingTimeInstruction": "immediate"
11 }
12

```

Body Cookies Headers (14) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   "id": "5f2ae420-d951-4f56-97d7-1396d7afe8f3",
3   "orderDate": "2023-04-24T06:40:33.019+02:00",
4   "expectedDeliveryDate": "in-preparation",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "09df7d4a-8b87-45d8-a1ef-4bc41b3310f0",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "in-preparation",
11      "reportSlug": "snapshot-report"
12    }
13  ]
14 }

```

Status: 201 Created 1

Getting order status:

`{{dataAPIBaseUrl}}/publications/orders?id=5f2ae420-d951-4f56-97d7-1396d7afe8f3`

Authorization Headers (10) Body Pre-request Script Tests Settings

params

Key	Value
/	5f2ae420-d951-4f56-97d7-1396d7afe8f3
/	Value

cookies Headers (16) Test Results

Raw Preview Visualize JSON

```

{
  "id": "5f2ae420-d951-4f56-97d7-1396d7afe8f3",
  "orderDate": "2023-04-24T06:40:33+02:00",
  "deliveryDate": "2023-04-24T06:40:37+02:00",
  "status": "ready",
  "publications": [
    {
      "id": "09df7d4a-8b87-45d8-a1ef-4bc41b3310f0",
      "status": "ready",
      "reportSlug": "snapshot-report"
    }
  ]
}

```

Getting the pdf format of the snapshot-report:

GET
{{dataAPIBaseUrl}}/publications?format=pdf&id=09df7d4a-8b87-45d8-a1ef-4bc41b3310f0

Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings


Query Params

	Key	Value	Description
<input type="checkbox"/>	language	EN	
<input checked="" type="checkbox"/>	format	pdf	
<input checked="" type="checkbox"/>	id	09df7d4a-8b87-45d8-a1ef-4bc41b3310f0	
	Key	Value	Description

Body
Cookies
Headers (15)
Test Results

Status: 200 OK Time: 279 ms Size: 4

4/24/2023


/ Business Information

/ Snapshot Report

© Coface Poland Credit Management Services Sp. z o.o.  
email: customerservice@coface.com  
24.04.2023  
document id: 3399022-4-506-rce\_test-beacon-2.10.0.9-d62d09fa-P2

ORDER DETAILS

Order Details: Customer: Cormeta AG - Testaccount

Let us now order one last product, Score product, DRA- package, which is the score with 5 years history:

POST ▼ {{dataAPIBaseUrl}}/publications/orders

Params Authorization Headers (12) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▼

```

1 {
2   ... "companyId": "{{companyId}}",
3   ... "assessments": [
4     ... {
5       ... "slug": "debtor-risk-assessment-package"
6     }
7   ]
8 }

```

Body Cookies Headers (14) Test Results (0/1)

**Pretty** Raw Preview Visualize JSON ▼ 🔍

```

1 {
2   "id": "1e063c1d-4851-4b82-ad2f-f108c288a70b",
3   "orderDate": "2023-04-24T06:47:08.43+02:00",
4   "expectedDeliveryDate": "in-preparation",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "b3431bc1-4c9d-4d1b-89a7-83be6fd0918f",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "in-preparation",
11      "assessmentSlug": "debtor-risk-assessment-package"
12    }
13  ]
14 }

```

As this is not an immediate product, and can take a little bit of time until is ready, first check status is still in-preparation:

GET ▼ {{dataAPIBaseUrl}}/publications/orders?id=1e063c1d-4851-4b82-ad2f-f108c288a70b

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> id	1e063c1d-4851-4b82-ad2f-f108c288a70b	
Key	Value	Description

Body Cookies Headers (16) Test Results ✖ 🔍 Status: 200 OK Time: 1185 ms

**Pretty** Raw Preview Visualize JSON ▼ 🔍

```

1 {
2   "id": "1e063c1d-4851-4b82-ad2f-f108c288a70b",
3   "orderDate": "2023-04-24T06:47:08+02:00",
4   "expectedDeliveryDate": "2023-05-02T09:08+02:00",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "b3431bc1-4c9d-4d1b-89a7-83be6fd0918f",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "2023-05-02T09:08+02:00",
11      "assessmentSlug": "debtor-risk-assessment-package"
12    }
13  ]
14 }

```

If I am trying to get the content now, via /publications endpoint, it will not be ready:

GET

[[dataAPIBaseUrl]]/publications?format=json&id=b3431bc1-4c9d-4d1b-89a7-83be6fd0918f

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value	Description
<input type="checkbox"/>	language	EN	
<input checked="" type="checkbox"/>	format	json	
<input checked="" type="checkbox"/>	id	b3431bc1-4c9d-4d1b-89a7-83be6fd0918f	
	Key	Value	Description

ody	Cookies	Headers (14)	Test Results	Status: 202 Accepted
Pretty	Raw	Preview	Visualize	JSON
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

But we do have the expected delivery date which is the maximum SLA for the product to be available.

## 2.2 Ordering Late Payment Index product for a company

You want to order Late Payment Index for Antalis company in FR

First step is to search, using company name and country code, as this is what you know currently:

Call is sent to one of our providers (the one to which your customer profile is routed to). Provider is returning all results that it has with this name and country code. In this case, API returned 28 results.

Per page we have 20 results, and pagination is in place (you can see the 206 partial content, and headers values highlighted below):





GET `{{dataAPIBaseUrl}}/companies?companyName=ANTALI&countryCode=FR`

Params • Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

	Key	Value	Description
<input type="checkbox"/>	companyId	397fb600-414c-3a55-a41a-d66bb6cfb36c	Company Identifier
<input checked="" type="checkbox"/>	companyName	ANTALI	Company name
<input type="checkbox"/>	postalCode	75019	Postal code, ZIP Code
<input type="checkbox"/>	city	PAris	City
<input checked="" type="checkbox"/>	countryCode	FR	Country code (ISO 3166 Alpha-2)
<input type="checkbox"/>	range	10-25	Pagination interval ↵
<input type="checkbox"/>	externalId	statistic-number%23810684000	
	Key	Value	Description

Body Cookies Headers (16) Test Results  Status: 206 Partial Content Time: 3.40 s Size: 5.33 KB

Pretty Raw Preview Visualize JSON 

```

1  [
2    {
3      "name": "SCI ANTALI",
4      "countryCode": "FR",
5      "address": {
6        "address1": "566 Cobrique",
7        "postalCode": "62142",
8        "city": "BELLEBRUNE",
9        "countryCode": "FR"
10     },
11     "externalIds": [
12       {
13         "id": "88333332383336333340706e703d46522f373039",
14         "repositorySlug": "giid"
15       }
16     ]
17   },
18   {
19     "name": "SCI ANTALI",
20     "countryCode": "FR",
21     "address": {
22       "address1": "14 Rue Louis de Montcalm",
23       "postalCode": "29000",

```

GET
{{dataAPIBaseUrl}}/companies?companyName=ANTALI&countryCode=FR

Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings

Query Params

	Key	Value	Description
<input type="checkbox"/>	companyId	397fb600-414c-3a55-a41a-d66bb6cfb36c	Company identifier
<input checked="" type="checkbox"/>	companyName	ANTALI	Company name
<input type="checkbox"/>	postalCode	75019	Postal code, ZIP Code
<input type="checkbox"/>	city	PARis	City
<input checked="" type="checkbox"/>	countryCode	FR	Country code (ISO 3166 Alpha-2)
<input type="checkbox"/>	range	10-25	Pagination interval ↕
<input type="checkbox"/>	externalId	statistic-number%23810684000	
	Key	Value	Description

Body
Cookies
Headers (16)
Test Results

Status: 206 Partial Content
Time: 3.40 s
Size: 5.33 KB
Save

Key	Value
Date	Thu, 07 Dec 2023 07:14:12 GMT
Content-Type	application/json
Content-Length	4827
Connection	keep-alive
x-amzn-RequestId	c685a2da-5f2b-4188-befe-c8457db98560
Access-Control-Allow-Origin	*
Access-Control-Allow-Headers	Content-Type, api_key, Authorization
x-amzn-Remapped-Content-Length	4827
Content-Range	0-20/28
X-RateLimit-Remaining	59
x-amz-apigw-id	Pj6OQG73CGYEWCA=
X-RateLimit-Limit	60
Access-Control-Allow-Methods	GET, POST, DELETE, PUT
Access-Control-Expose-Headers	Content-Disposition
Accept-Ranges	company 20

You have 28 results. In order to check others which are not in first page, you need to use the range parameter. We are showing max 20 results per page.

Now, out of 28 companies, you need to identify one of them in order to order some products.

There are 2 ways: either you choose one, and take the giid value and use it as externalId parameter and make the order with it, OR, you make one more call and uniquely identify the company and then you can order using another identifier replied by API ( vat number, companyId, icon no)

We are presenting below the second option:

GET	((dataAPIBaseUrl)) /companies?countryCode=FR&externalId=gild%23383333323833363333340706e703d46522f373039		
Params	Authorization	Headers (9)	Body
Pre-request Script	Tests	Settings	
Query Params			
Key	Value	Description	
<input checked="" type="checkbox"/> countryCode	FR	Country code (ISO 3166 Alpha-2)	
<input checked="" type="checkbox"/> externalId	gild%23383333323833363333340706e703d46522f373039		
Key	Value	Description	

ody	Cookies	Headers (14)	Test Results	Status: 200 OK	Time: 4.50 s	Size: 876 B
Pretty	Raw	Preview	Visualize	JSON		
1	[					
2	{					
3	"name": "SCI ANTALI",					
4	"lastMajorUpdate": "2023-12-07T01:00:00.000+01:00",					
5	"countryCode": "FR",					
6	"address": {					
7	"address1": "566 Cobrique",					
8	"postalCode": "62142",					
9	"city": "BELLEBRUNE",					
10	"countryCode": "FR"					
11	},					
12	"externalIds": [					
13	{					
14	"id": "833283633",					
15	"repositorySlug": "registration-number"					
16	},					
17	{					
18	"id": "127683291",					
19	"repositorySlug": "icon"					
20	}					
21	]					
22	}					
23	]					

Now, company is saved into ICON, and has more identifiers associated: icon nr, registration-number.

In this moment, you need to check and see what are the available assessment products for this company, together with their availability (immediate or on-order). Late Payment Index should be returned:

GET
{{dataAPIBaseUrl}}/assessments?countryCode=FR

Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> countryCode	FR	
Key	Value	Description

ody
Cookies
Headers (14)
Test Results
Status: 200 OK Time: 464 ms Size: 3.12 KB

Pretty
Raw
Preview
Visualize
JSON

```

46      {
47        "label": "Country Risk Assessment",
48        "full": "Overall credit risk evaluation of companies within one country displayed into 8 steps scale from A1 to E. The Country Risk Assessment is available on 162 countries.",
49        "language": "en",
50        "short": "CRA"
51      }
52    ],
53  },
54  {
55    "slug": "sector-risk-assessment",
56    "acronym": "SRA",
57    "isMonitorable": true,
58    "descriptions": [
59      {
60        "label": "Sector Risk Assessment",
61        "full": "13 sectors assessments in 28 countries and 6 regions are available on a 4 steps scale: low, medium, high, very high",
62        "language": "en",
63        "short": "SRA"
64      }
65    ]
66  },
67  {
68    "slug": "debtor-risk-assessment-package",
69    "acronym": "SP",
70    "isMonitorable": true,
71    "descriptions": [
72      {
73        "label": "Debtor Risk Assessment Package",
74        "full": "Package of Debtor Risk assessment with its probability of default and the assessment history for 5 years",
75        "language": "en",
76        "short": "SP"
77      }
78    ]
79  },
80  {
81    "slug": "late-payment-index",
82    "acronym": "LPI",
83    "isMonitorable": true,
84    "descriptions": [
85      {

```

Now, you can order the product for this company:

You can use any of the well known options: via companyId ( if exists), via other externalId: iconno, vat number, etc.

POST {{dataAPIBaseUrl}}/publications/orders

Params Authorization Headers (12) Body Pre-request Script Tests Settings

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

```

1  {
2    "countryCode": "FR",
3    "externalId": "icon#127683291",
4    "customerReference": "Test GF LPI",
5    "assessments": [
6      {
7        "slug": "late-payment-index"
8      }
9    ]
10  }
11  }

```

body Cookies Headers (14) Test Results Status: 201 Created Time: 2.05 s Size:

Pretty Raw Preview Visualize JSON

```

1  {
2    "id": "5c734c42-09ab-4096-a677-44de716f9eef",
3    "orderDate": "2023-12-07T08:16:28.388+01:00",
4    "expectedDeliveryDate": "in-preparation",
5    "customerReference": "Test GF LPI",
6    "status": "in-preparation",
7    "publications": [
8      {
9        "id": "23d92daa-2385-4f38-9af9-b21116f03426",
10       "status": "in-preparation",
11       "expectedDeliveryDate": "in-preparation",
12       "assessmentSlug": "late-payment-index"
13     }
14   ]
15 }

```

Ordering process is started. From now on, you are following the well known process: check the status of the order and then get the content.

Check the status of the order: GET /publications/orders/{orderId}

GET `{{dataAPIBaseUri}}/publications/orders?id=5c734c42-09ab-4095-a677-44de715f9eef`

Parameters: Authorization Headers (10) Body Pre-request Script Tests Settings

Query Params

	Key	Value	Description
<input checked="" type="checkbox"/>	id	5c734c42-09ab-4095-a677-44de715f9eef	
	Key	Value	Description

dy Cookies Headers (17) Test Results Status: 200 OK Time: 2.23 s

Pretty Raw Preview Visualize JSON `{}=`

```

1  {
2
3    "id": "5c734c42-09ab-4095-a677-44de715f9eef",
4    "companyId": "e451c658-2d23-3777-8924-d4f7506cc6be",
5    "externalId": "icon#127683291",
6    "orderDate": "2023-12-07T08:16:31+01:00",
7    "deliveryDate": "2023-12-07T08:16:35+01:00",
8    "status": "ready",
9    "publications": [
10     {
11       "id": "23d32daa-2385-4f38-9af9-b21116f03425",
12       "customerReference": "Test GF LPI",
13       "language": "en",
14       "format": "application/json",
15       "status": "ready",
16       "assessmentSlug": "late-payment-index"
17     }
18   ]
19 }
20

```

If the status is “ready”, you can get the content of the product:

GET /publications?format={format}&id={publicationId}

GET
{{dataAPIBaseUrl}}/publications?format=json&id=23d32daa-2385-4f38-9af9-b21116f03425

Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings

Query Params

	Key	Value	Description
<input type="checkbox"/>	language	EN	
<input checked="" type="checkbox"/>	format	json	
<input checked="" type="checkbox"/>	id	23d32daa-2385-4f38-9af9-b21116f03425	
	Key	Value	Description

ody
Cookies
Headers (14)
Test Results
Status: 200 OK Time: 468 ms

Pretty
Raw
Preview
Visualize
JSON

```

1  {
2    "releaseDate": "2023-12-07",
3    "assessmentSlug": "late-payment-index",
4    "companyId": "e451c658-2d23-3777-8924-d4f7506cc6be",
5    "paymentIndexValue": 4,
6    "updateDate": "2023-12-07",
7    "descriptions": [
8      {
9        "label": "Late Payment Index",
10       "full": "No negative experience",
11       "language": "en",
12       "short": "LPI"
13     }
14   ]
15 }
16
17

```