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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/v2.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/v2.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/DataAPI\\_UserConfiguration\\_SwaggerTesting.pdf](https://coface.github.io/utilities/DataAPI_UserConfiguration_SwaggerTesting.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:**


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

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

Query Params

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

Body Cookies Headers (16) Test Results  Status: 200

Pretty Raw Preview Visualize JSON 

```
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:

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

- Method:** GET
- URL:** `{{dataAPIBaseUrl}}/companies?city=PARIS&countryCode=FR`
- Params:** city=PARIS, countryCode=FR
- Status:** 400 Bad Request
- Response Body (JSON):**


```
{  "statusCode": 400,  "url": "/companies",  "errorDate": "2023-04-06T00:56:03.458+02:00",  "fishTag": "40506abb-c37e-4430-8c01-a5050ed5b024",  "messages": [    {      "code": "missing_or_invalid_param",      "docUrl": "https://coface.com/documentation/codes/missing_param",      "message": "Missing or invalid parameter: companyName"    }  ]}
```


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 Tin

Pretty Raw Preview Visualize JSON 

```

1  {
2    "statusCode": 400,
3    "url": "/companies",
4    "errorDate": "2023-04-06T08:57:28.149+02:00",
5    "fishTag": "62e559ab-3105-418c-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.

GET `{{dataAPIBaseUrl}}/companies?companyName=ANTALIS&city=PARIS&countryCode=FR`

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

<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	statistic-number%23810684000	
Key	Value	Description

body 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": "75010",
8        "city": "PARIS 10",
9        "countryCode": "FR"
10     },
11     "externalIds": [
12       {
13         "id": "38353034323030303140786e783d46522f373039",
14         "repositorySlug": "giid"
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": "34313033333037363540786e783d46522f373039",
30         "repositorySlug": "giid"
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.

### Identifying company using giid number:

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

The screenshot displays a REST client interface with a GET request to the endpoint `[[dataAPIBaseUrl]]/companies?countryCode=FR&externalId=giid%2334313033333630363940706e703d46522f373039`. The request parameters are `countryCode=FR` and `externalId=giid%2334313033333630363940706e703d46522f373039`. The response is a JSON object representing a company, with a status of 200 OK and a response time of 1753ms.

**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

**Response (JSON)**

```
1 {
2   {
3     "id": "b75e4b59-12e4-3bc6-8d30-1ac599cce69f",
4     "name": "ANTALIS",
5     "countryCode": "FR",
6     "naceCodes": [
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": "0158842100",
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    {
3      "id": "b75e4b59-12e4-3bc6-8d30-1ac599cce69f",
4      "name": "ANTALIS",
5      "countryCode": "FR",
6      "naceCodes": [
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": "0168042100",
31         "countryCode": "FR",
32         "main": true
33       }
34     ],
35     "websites": [
36       {
37         "url": "www.antalys.fr",
```

## 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": "b75e4b59-12e4-3bc6-8d30-1ac599cce69f",
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@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      "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": "138131867",
51    }
52  ]
53 }
```

### 1.2.3 Search company by companyId

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 companyId parameter is provided, the other fields are ignored:

[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@antalys.com",
24       "main": true
25     }
26   ],
27   "phoneNumbers": [
28     {
29       "value": "0160842100",
30       "countryCode": "FR",
31       "main": true
32     }
33   ],
34   "websites": [
35     {
36       "url": "www.antalys.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": "138131867",
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 did not managed to identify wanted company, you have the option to request a company identification by Coface and then to order products.

### 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.

Information about which countries and what legal identifiers need to be provided, is provided via endpoint: **GET** `{{dataAPIBaseUrl}}/companies/repositories?countryCode={}`.

For each identifier, there are 2 fields which show if they need to be provided for a company identification 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

The screenshot shows a REST client interface with a POST request to `{{dataAPIBaseUrl}}/companies/identifications`. The request body is a JSON object with the following fields: `name` ("Coface SA Georgiana Test"), `address` (an object with `address1`, `address2`, `postalCode`, and `city`), `email` ("john.doe@example.com"), and `phoneNumber` ("1111111111"). The response status is 400 Bad Request. The response body is a JSON object with the following fields: `statusCode` (400), `url` ("/companies/identifications"), `fishTag` ("1a209052-7615-477a-9b59-706c6b6e71fa"), and `messages` (an array containing one message with `code` "missing\_or\_invalid\_param" and `message` "One of the following identification parameters has to be provided: at least one externalId or (name, address.postalCode, address.city and address.countryCode)").

```
1 {  
2   "name": "Coface SA Georgiana Test",  
3   "address": {  
4     "address1": "API street",  
5     "address2": "Second API Street",  
6     "postalCode": "123",  
7     "city": "Paris"  
8   },  
9   "email": "john.doe@example.com",  
10  "phoneNumber": "1111111111"  
11 }
```

```
1 {  
2   "statusCode": 400,  
3   "url": "/companies/identifications",  
4   "fishTag": "1a209052-7615-477a-9b59-706c6b6e71fa",  
5   "messages": [  
6     {  
7       "code": "missing_or_invalid_param",  
8       "message": "One of the following identification parameters has to be provided: at least one externalId or (name, address.postalCode, address.city and address.countryCode)"  
9     }  
10  ]  
11 }
```

### Success case- Request body:

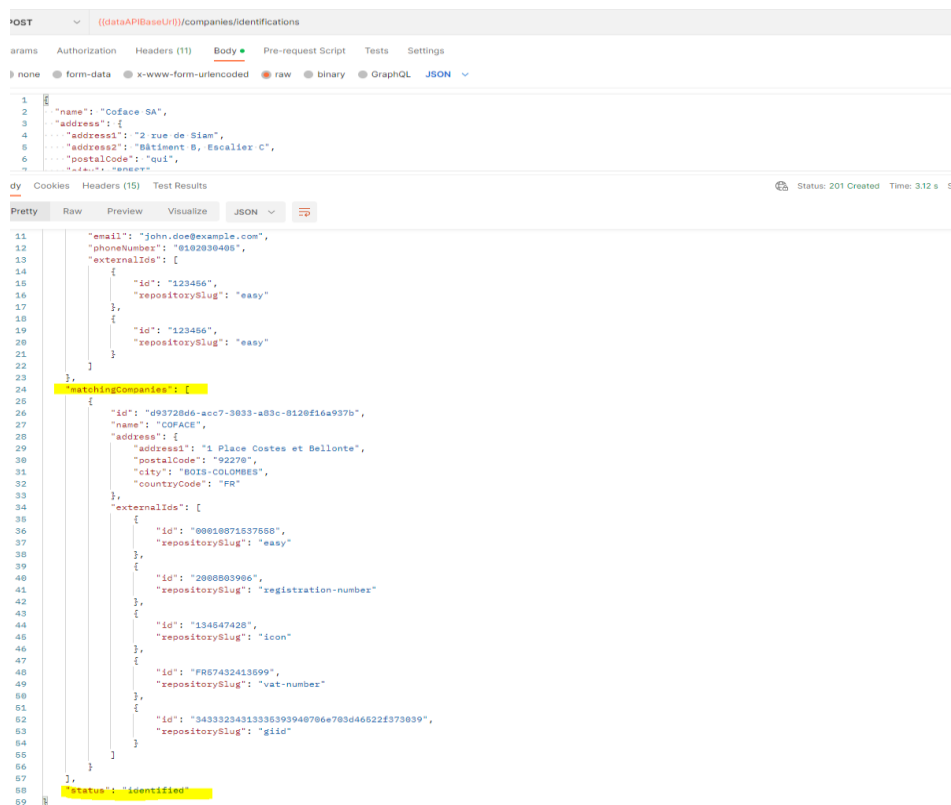
```
{  
  
  "name": "Coface SA",
```

```

"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 inside its database, then the response will provide the searchedCompany info, the matchingCompanies and status: "identified":



If inside ICON there are no companies matching information provided,

response will contain: id (which can be used for a future ordering), searchedCompany info (data provided in request), matchingCompanies = empty array and status: "initiated"

POST `{{dataAPIBaseUrl}}/companies/identifications`

arams Authorization Headers (11) **Body** Pre-request Script Tests Settings

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

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

dy Cookies Headers (15) Test Results Status: 201 Created

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "52a2637b-4a50-4405-b578-8f4fc1aa6a50",
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 }
```

The second step that can 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](#)

## 1.3.2 Request all identifications

All requests to identify companies made on customer where you have the profile/ user are shown under endpoint:

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

GET `{{dataAPIBaseUrl}}/companies/identifications?range=21-20`

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

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> range	21-20	
Key	Value	Description

body Cookies Headers (19) Test Results Status: 206 Partial Content

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "id": "ce963cd9-d609-4abc-a73c-89697fa945cc",
4     "searchedCompany": {
5       "name": "BBB888",
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": "f9eb6d81-1b9c-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"
```

## 1.4. Ordering a product

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

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

#### Remarks!!

#### 1. Slugs and product codes

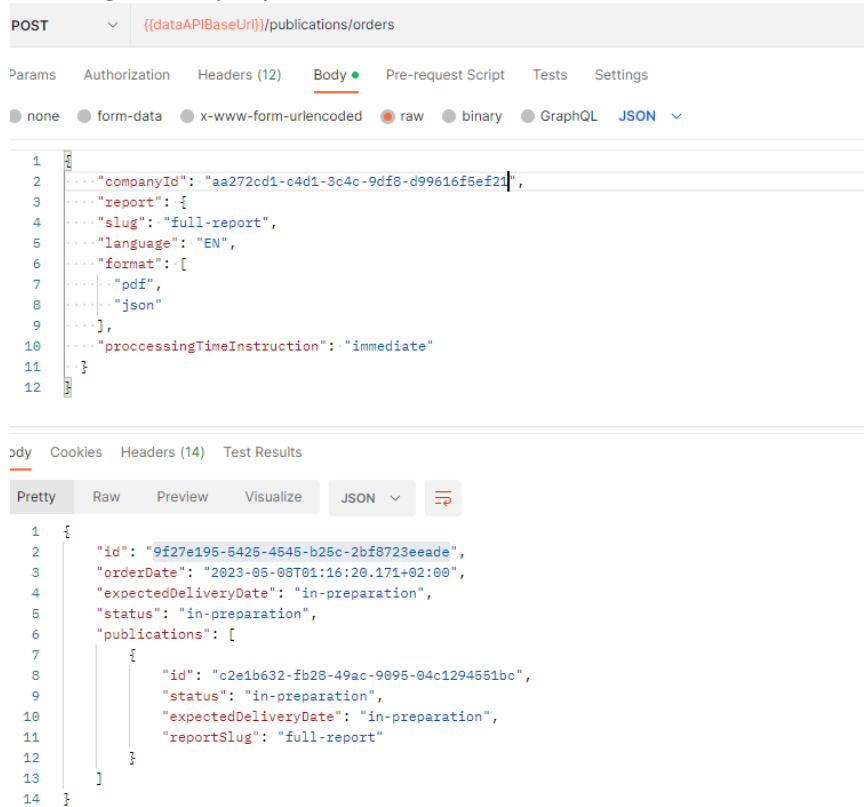
**Attention:** for DRAGON products (DRA, CO, AO) availability is not immediate. Therefore *processingTimeInstruction* option should have value `immediate_if_available_inquiry_otherwise` or `inquiry` with `investigationSpeedLevel` : normal.

#### 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.

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

### Ordering via companyId:



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

{
  "companyId": "aa272cd1-c4d1-3c4c-9df8-d99616f5ef21",
  "report": {
    "slug": "full-report",
    "language": "EN",
    "format": [
      "pdf",
      "json"
    ],
    "processingTimeInstruction": "immediate"
  }
}
```

```
{
  "id": "9f27e195-5425-4545-b25c-2bf8723eeade",
  "orderDate": "2023-05-08T01:16:20.171+02:00",
  "expectedDeliveryDate": "in-preparation",
  "status": "in-preparation",
  "publications": [
    {
      "id": "c2e1b632-fb20-49ac-9095-04c1294551bc",
      "status": "in-preparation",
      "expectedDeliveryDate": "in-preparation",
      "reportSlug": "full-report"
    }
  ]
}
```

### Ordering via externalId:

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": "icon#5416240",
3   "countryCode": "PL",
4   "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

```

1 {
2   "id": "63de55be-18ab-425b-aadd-be39a4dda72c",
3   "orderDate": "2023-05-08T01:58:58.811+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 }
```

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

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

Endpoint to be used:

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

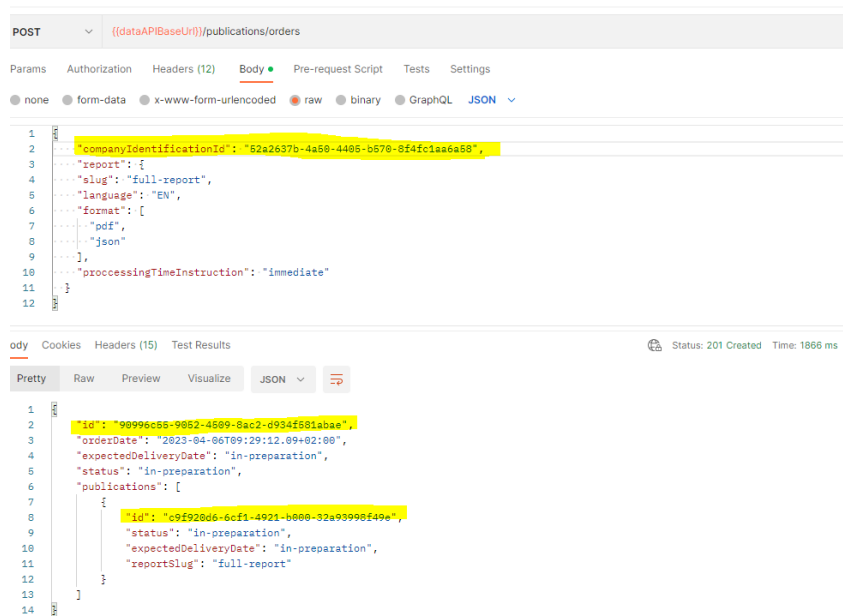
**POST** `{{dataAPIBaseUrl}}/monitorings/orders`

**Request body:**

```

{
  "companyIdentificationId": "52a2637b-4a50-4405-b570-8f4fclaa6a58",
  "report": {
    "slug": "full-report",
    "language": "EN",
    "format": [
      "pdf",
      "json"
    ],
    "processingTimeInstruction": "immediate"
  }
}
```

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.



The screenshot displays a REST client interface. The top section shows a POST request to the endpoint `{{dataAPI(BaseUrl)}}/publications/orders`. The request body is in JSON format and contains the following data:

```
1 {
2   "companyIdentificationId": "52a2637b-4a58-4405-b578-Sf4fc1aa6a68",
3   "report": {
4     "slug": "full-report",
5     "language": "EN",
6     "format": [
7       "pdf",
8       "json"
9     ],
10    "processingTimeInstruction": "immediate"
11  }
12 }
```

The bottom section shows the response in JSON format, with a status of 201 (Created) and a time of 1866 ms. The response body is:

```
1 {
2   "id": "9099ec55-9052-4809-8ac2-d934f581abae",
3   "orderDate": "2023-04-06T09:29:12.09+02:00",
4   "expectedDeliveryDate": "in-preparation",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "c9f920d6-6cf1-4921-b000-32a93998f49e",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "in-preparation",
11      "reportSlug": "full-report"
12    }
13  ]
14 }
```

## No parameters

Body of the request should contain mandatory information such as: company-id or other identifier, product code, format, language. Products available and their availability are returned previously by calling [GET /company](#) endpoint (mentioned at 4.2.2).

More details and explanation for fields that need to be present in the body, 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>



## 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
Query Params	
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	"id": "63de55be-18ab-425b-aadd-be39a4dda72c",		
3	"orderDate": "2023-05-08T01:58:58+02:00",		
4	"deliveryDate": "2023-05-08T01:59:06+02:00",		
5	"status": "ready",		
6	"publications": [		
7	{		
8	"id": "204eea7a-0088-4f49-b566-9e9eb41bb039",		
9	"status": "ready",		
10	"reportSlug": "snapshot-report"		
11	}		
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)
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": "8a4aa8e5-ed39-342d-afd4-15a609583db2",
  "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": "8a4aa8e5-ed39-342d-afd4-15a609583db2",
      "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

Query Params
Key Value Description
Key Value Description

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

```
{
  "id": "ec16d6b9-777b-466a-98ad-150929e255df",
  "companyId": "8a4aa8e5-ed39-342d-afd4-15a609583db2",
  "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.

## 1.8 Retrieving content of the report / product ordered via monitoring order

Because a combined product was ordered, we can also retrieve the content of the product ordered.

Using the id returned by the POST monitoring order (see 1.7), we are getting the content of the product using endpoint **GET** `{{dataAPIBaseUrl}}/publications?format={}&id={orderId}`

Where orderId is the id returned the API when posting the monitoring order

Format parameter is mandatory. As we ordered in 2 formats, we can retrieve both of them (reminder: only for CCE companies)

JSON format:

```
{
  "name": "Poland",
  "street": "Al. Jerozolimskie",
  "houseNumber": "142A",
  "zipCode": "02-305",
  "customer": {
    "customerId": "128846659",
    "name": "TestBUC",
    "clientId": "",
    "city": "Wien",
    "country": {
      "value": "AT",
      "name": "Austria"
    },
    "street": "Sigmundgasse",
    "houseNumber": "11/2A",
    "zipCode": "1070",
    "customerReference": "",
    "purchaseOrderNumber": "",
    "language": {
      "value": "2",
      "name": "English"
    }
  },
  "product": {
    "name": "Poland",
    "street": "Al. Jerozolimskie",
    "houseNumber": "142A",
    "zipCode": "02-305",
    "customer": {
      "customerId": "128846659",
      "name": "TestBUC",
      "clientId": "",
      "city": "Wien",
      "country": {
        "value": "AT",
        "name": "Austria"
      },
      "street": "Sigmundgasse",
      "houseNumber": "11/2A",
      "zipCode": "1070",
      "customerReference": "",
      "purchaseOrderNumber": "",
      "language": {
        "value": "2",
        "name": "English"
      }
    },
    "product": {
      "name": "Poland",
      "street": "Al. Jerozolimskie",
      "houseNumber": "142A",
      "zipCode": "02-305",
      "customer": {
        "customerId": "128846659",
        "name": "TestBUC",
        "clientId": "",
        "city": "Wien",
        "country": {
          "value": "AT",
          "name": "Austria"
        },
        "street": "Sigmundgasse",
        "houseNumber": "11/2A",
        "zipCode": "1070",
        "customerReference": "",
        "purchaseOrderNumber": "",
        "language": {
          "value": "2",
          "name": "English"
        }
      }
    }
  }
}
```

PDF format:

**Full Report with Monitoring**

Generated on: 21st Apr 2022

**Company**

COMPUTER SERVICE

Principal Address: 2, Piaro

ICGN number: 12121214  
Reg number: 121121212121212121  
Taxpays number: 4721212121  
VAT number: 11212121

Date of Last Major Update: 20/10/2020

**Summary**

Credit Score	Recommended Maximum Credit	Legal events
EUR 1500	EUR 1500	
Activity status	Main activity	Registration date
Active company	NACE 6301	01.07.2011

## 1.9 Retrieving monitoring notifications.

TBD!

## 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 `{{dataAPIBaseUrl}}/companies?companyName=Audi&countryCode=DE`. The request parameters are listed in a table below.

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

Below the parameters table, the response is shown in JSON format:

```
1 [
2   {
3     "name": "AUDI Aktiengesellschaft",
4     "countryCode": "DE",
5     "address": {
6       "address1": "Auto-Union-Straße 1",
7       "postalCode": "85067",
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`

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.!

Header	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)
Key	value	
<input type="checkbox"/> companyId	397fb600-414c-3a55-a41a-d66bb6cfc36c	
<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 {{dataAPIBaseUrl}}/companies?countryCode=DE&externalId=giid%2344453030312f302f4445303038343734303640706e703d44452f373032		
Params	Authorization	Headers (9)
Key	Value	Description
<input checked="" type="checkbox"/> countryCode	DE	Country code (ISO 3166 Alpha-2)
<input checked="" type="checkbox"/> externalId	giid%2344453030312f302f4445303038343734303640706e703d44452f373032	
Key	Value	Description
Body		
Status: 200 OK Time: 3.17 s Size: 1.07 KB		
<pre> 1 { 2   { 3     "id": "ae1463d5-3696-38d8-aac3-065589ccaf68", 4     "name": "AUDI Aktiengesellschaft", 5     "internationalName": "AUDI Aktiengesellschaft", 6     "countryCode": "DE", 7     "naacCodes": [ 8       { 9         "code": "2910", 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": "328", 20        "label": "Public Limited Company" 21      } 22    ], 23    "address": { 24      "address": "Auto-Union-Strasse 1", 25      "postalCode": "85087", 26      "city": "Ingolstadt", 27      "countryCode": "DE" 28    } 29  } 30 }</pre>		

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

(({dataAPIBaseUrl})/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			
Key	Value	Description		

ody

Cookies

Headers (16)

Test Results

Status: 200 OK

Time: 671 ms

Size: 136 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 188K€ which intends to help you manage your credit decisions on your recurrent small
10         and mid-sized transactions. The index is expressed on 5 ranges of amounts in your local currency and can be monitored.",
11          "language": "en",
12          "short": "CO"
13        }
14      ],
15    },
16    {
17      "slug": "advanced-opinion",
18      "acronym": "AO",
19      "isMonitorable": true,
20      "descriptions": [
21        {
22          "label": "Advanced Opinion",
23          "full": "The Coface Advanced Opinion enables smarter strategic decisions by providing an individual recommended amount to support your credit decisions with
24         customers, prospects, suppliers or partners. This credit report includes a Debtor Risk Assessment and a Country Risk Assessment, giving a 360 view on
25         the risk profile of a company. The Advanced Opinion can be monitored over time, giving you ability to improve your decisions with updated insights.",
26          "language": "en",
27          "short": "AO"
28        }
29      ],
30    }
31  }
```

## Check reports:

GET

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

Send

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Cookies

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"
23      ],
24    }
25  }
```

## 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 response in JSON format, which is a list of two objects. The first object has an 'id' of 'fb33db98-211f-40ef-8125-2a8f00a00d74', a 'status' of 'ready', and an 'assessmentSlug' of 'country-risk-assessment'. The second object has an 'id' of 'db85bc66-cd6a-4c3f-b0bc-995508343aa9', a 'status' of 'ready', and an 'assessmentSlug' of 'sector-risk-assessment'.

```
GET {{dataAPIBaseUrl}}/publications/orders?id=0d7452fc-36f1-4676-abd5-db99ce0bd6f6

Params Authorization Headers (10) Body Pre-request Script Tests Settings
Query Params
Key Value
id 0d7452fc-36f1-4676-abd5-db99ce0bd6f6
Key Value

body Cookies Headers (16) Test Results
Pretty Raw Preview Visualize JSON
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:

The screenshot shows 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   "companyId": "{{companyId}}",
3   "report": {
4     "slug": "full-report",
5     "language": "EN",
6     "format": [
7       "pdf",
8       "json"
9     ],
10    "processingTimeInstruction": "immediate"
11  }
12 }
```

The response is shown in the 'Body' tab, displaying a JSON object with the following structure:

```
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-c74b45006d22",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "in-preparation",
11      "reportSlug": "full-report"
12    }
13  ]
14 }
```

Checking the status of the order:

The screenshot shows a REST client interface with a GET request to `{{dataAPIBaseUrl}}/publications/orders?id=2c9a626a-1a69-44a1-95ca-0ae5145134f2`. The request parameters are shown in the 'Query Params' table:

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

The response is shown in the 'Body' tab, displaying a JSON object with the following structure:

```
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-c74b45006d22",
9       "status": "ready",
10      "reportSlug": "full-report"
11    }
12  ]
13 }
14 }
```

## 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 Cookies

Query Params

Key	Value	Description
<input type="checkbox"/> language	EN	
<input checked="" type="checkbox"/> format	json	
<input checked="" type="checkbox"/> id	5f9b3d7e-f17f-4894-a372-c74b45006d22	
Key	Value	Description

dy Cookies Headers (15) Test Results 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       "intuscreditIndexNumber": "3999021",
6       "provider": {
7         "providerId": "4",
8         "name": "Coface Poland Credit Management Services Sp. z o.o.",
9         "senderId": "IC001",
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": "189523668",
21        "name": "Cometa AG - Testaccount",
22        "type": "Business"
23      }
24    }
25  }
```

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


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

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	5f9b3d7e-f17f-4894-a372-c74b45006d22	
Key	Value	Description

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



### Full Report

Generated on: 24th Apr 2022

#### Company

<b>AUDI AKTIENGESELLSCHAFT</b>	ICDN number: 127527408 Basy number: 000002227 6064 VAT number: DE11112568	Date of Last Major Update: 28/11/2022
--------------------------------	---	--

Principal Address:  
Auto-Union-Straße 1  
85057 Ingolstadt  
Germany

Telephone: +49-49041890  
Fax: +49-498418932524  
Email: kundenbetreuung@audi.de  
Web: www.audi.de

#### Summary

Credit Score	Coface Adjustment	Recommended Maximum Credit
--------------	-------------------	----------------------------


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": {
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  Status: 201 Created 1

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 }
```


Getting order status:


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

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

rams

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

okies 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 `{{dataAPIBaseUri}}/publications?format=pdf&id=09df7d4a-8b87-45d8-afeb-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-afeb-4bc41b3310f0	
Key	Value	Description

Body Cookies Headers (15) Test Results Status: 200 OK Time: 279 ms Size: 4

4/24/2023

**coface** / Business Information

**Snapshot Report**

© Coface Poland Credit Management Services Sp. z o.o.  
email: customerservice@coface.com  
document id: 2295822-4-506-ccc\_test-beacon-2.12.0.9-d62d93fa-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 `{{dataAPIBaseUri}}/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-f108c208a70b",
3   "orderDate": "2023-04-24T06:47:00.43+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

ody 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": "2023-04-24T06:47:00+02:00",
4   "expectedDeliveryDate": "2023-05-02T09:00:00+02:00",
5   "status": "in-preparation",
6   "publications": [
7     {
8       "id": "b3431bc1-4c9d-4d1b-89a7-83be6fd0918f",
9       "status": "in-preparation",
10      "expectedDeliveryDate": "2023-05-02T09:00:00+02:00",
11      "assessmentSlug": "debtor-risk-assessment-package"
12    }
13  ]
14 }
15
16
```

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 T

Pretty Raw Preview Visualize JSON

```
1 {
2   "httpCode": 202,
3   "url": "/publications",
4   "fishtag": "559527ee-4d84-4105-9017-00afe72cbe1e",
5   "messages": [
6     {
7       "code": "order_not_finished",
8       "message": "Order is not yet finished"
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": "38333332383336333340706e703d46522f373039",					
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%2338333332383336333340706e703d46522f373039		
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%2338333332383336333340706e703d46522f373039	
	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 v

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 v

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

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

Parameters

AuthorizationHeaders (10)BodyPre-request ScriptTestsSettings

Query Params

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

dy

CookiesHeaders (17)Test Results

Status: 200 OKTime: 2.23 sSize

PrettyRawPreviewVisualizeJSON

```
1  {
2
3    "id": "5c734c42-09ab-4095-a677-44de715f9eef",
4    "companyId": "e451c668-2d23-3777-8924-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-2305-4f38-9af9-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 }
```