

Customer Onboarding process & How to use Report API - technical part

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1. Steps to be done by the customer

- Read the credentials received via email from dev portal

Developer Portal - Invitation



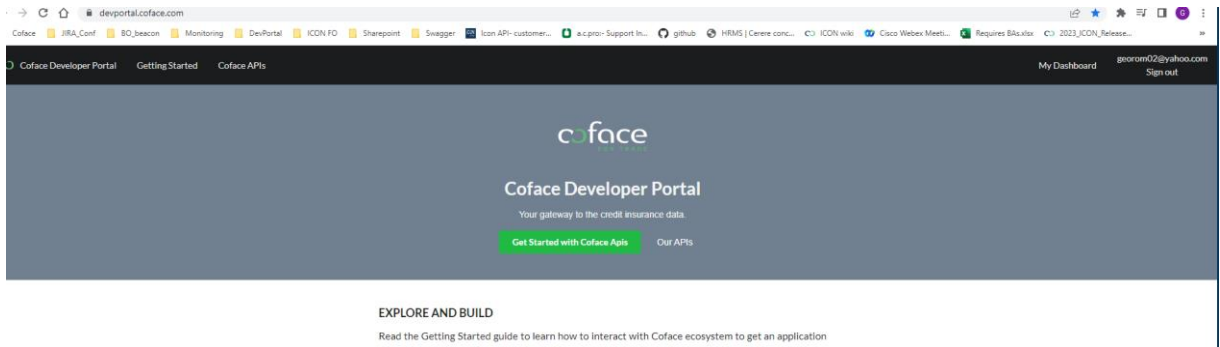
no-reply@verificationemail.com
To: georom02@yahoo.com

Developer Portal

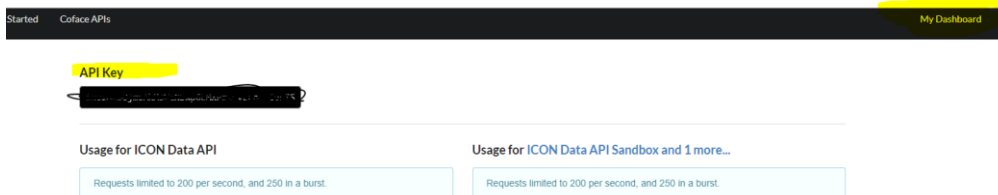
You have been invited to access the developer portal at <https://devportal.coface.com>.

Username: georom02@yahoo.com
Temporary password: HBznU9

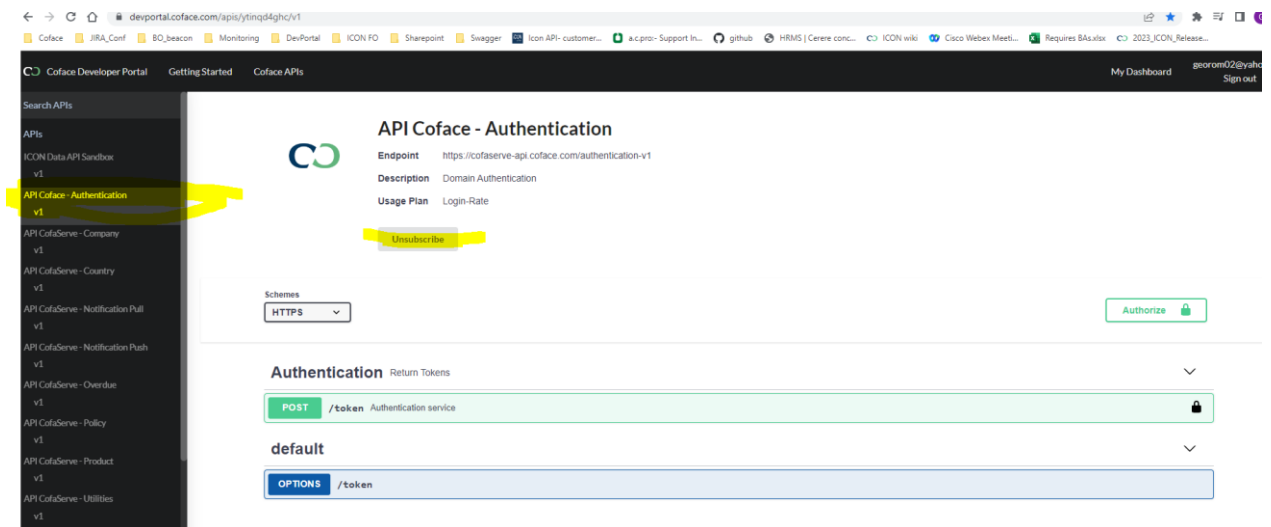
- Connects to <https://devportal.coface.com>.
- Introduces the credentials received in the email
- On first logging, he is asked to change the password.
- After changing the password, he is logged in into AWS gateway for Coface APIs:



- Go to My Dashboard for the API key needed for Authorization:



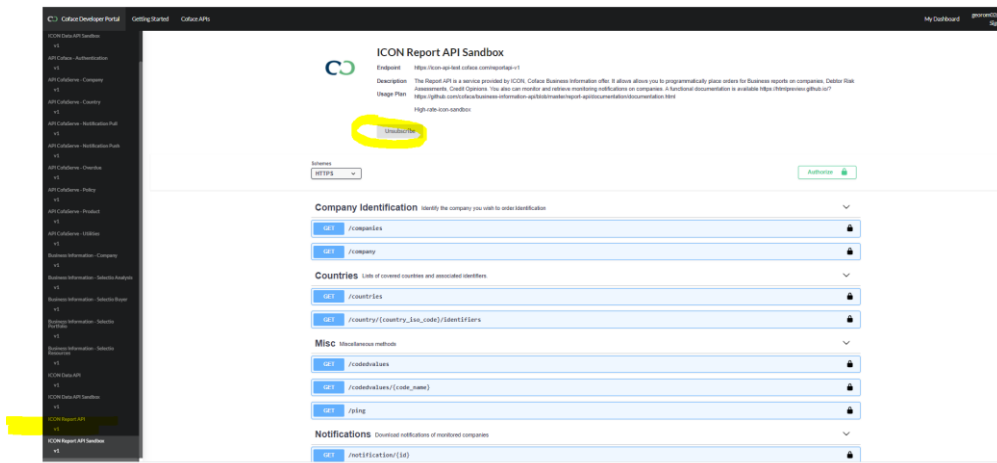
- Go to Coface APIs, API Coface – Authentication (on left side list) and Subscribe on it



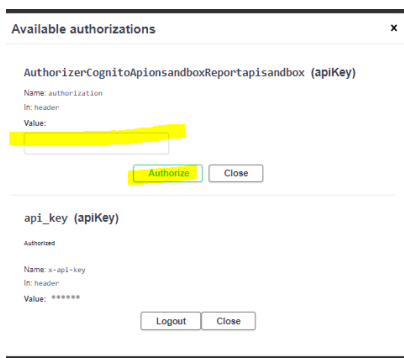
1.1 Testing authentication via swagger

User needs to get the Token (the second key for authentication)

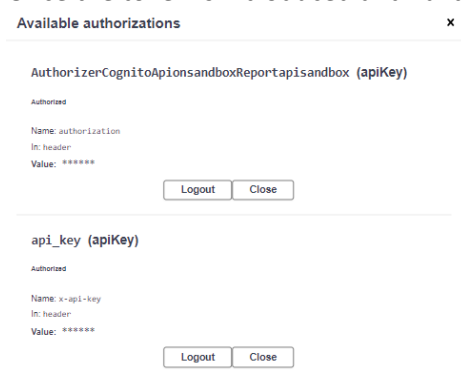
Click on POST /token, click on Try it out option, and introduce the password and username (the ones used for logging into Dev portal url) and press Execute:



Click on Authorize and introduce the value of the token received:



Once the token is introduced and validated, the window can be closed:



Once subscribed, user can start testing the Report API under Sandbox environment via swagger: One simple test/ call can be made to */countries* endpoint: click on it, click on Try it out and then click Execute:

GET	/company	🔒
Countries Lists of covered countries and associated identifiers. ▼		
GET	/countries	🔒
GET	/country/{country_iso_code}/identifiers	🔒
Misc Miscellaneous methods ▼		
GET	/codedvalues	🔒
GET	/codedvalues/{code_name}	🔒
GET	/ping	🔒
Notifications Download notifications of monitored companies ▼		
GET	/notification/{id}	🔒

Answer should look like:

Code	Details
200	<p>Response body</p> <pre>[{ "iso_code": "AL", "name": "Albania", "offline_orders": true, "online_orders": true }, { "iso_code": "DZ", "name": "Algeria", "offline_orders": true, "online_orders": true }, { "iso_code": "AO", "name": "Angola", "offline_orders": true, "online_orders": true },]</pre> <p>Response headers</p> <pre>content-length: 1888 content-type: application/json</pre> <p>Download</p>

All cases from point 4 can be tested via swagger also.

1.2 Testing authentication via Postman

TBD

2. Usage of Report API

The main functional flows are represented in <https://coface.github.io/v1.html#process> .

Always the customer needs to

- start with Searching and identifying a company,
- checking 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/v1.html> section Technical documentation.

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

2.1 Get country identifiers

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

Request: *GET `{{reportAPIBaseUrl}}/country/PL/identifiers`*

Response: {

```
"company_id": true,
"icon_number": true,
"easy_number": true,
"national_identifier_types": [
  {
    "code": 0,
    "name": "National ID"
  },
  {
    "code": 1,
    "name": "Registration Number"
  },
  {
    "code": 100,
```

```
        "name": "Tax number"
      },
      {
        "code": 120,
        "name": "VAT number"
      },
      {
        "code": 140,
        "name": "Statistic number"
      },
      {
        "code": 800,
        "name": "Coface CRS Number"
      }
    ]
  }
}
```

GET Get Countries identifiers + ...

ICON Report API / 00 - Get a token / Get Countries identifiers

GET {{reportAPIBaseUrl}}/country/PL/identifiers

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE
Key	Value

Body Cookies Headers (17) Test Results

Pretty Raw Preview Visualize JSON

```
1  {
2    "company_id": true,
3    "icon_number": true,
4    "easy_number": true,
5    "national_identifier_types": [
6      {
7        "code": 0,
8        "name": "National ID"
9      },
10     {
11       "code": 1,
12       "name": "Registration Number"
13     },
14     {
15       "code": 100,
16       "name": "Tax number"
17     },
18     {
19       "code": 120,
20       "name": "VAT number"
21     },
22     {
23       "code": 140,
24       "name": "Statistic number"
25     },
26     {
27       "code": 800,
28       "name": "Coface CRS Number"
29     }
30   ]
31 }
```

2.2 Search a company (identification of a company in the database)

There are two methods dedicated in this direction:

2.2.1 *Get /companies*

Allows to perform search by name and address mostly. Search can be performed using `country_iso_code` with any combination of `company_name`, `zip-code` or `city`;

GET `{{reportAPIBaseUrl}}/companies?country_iso_code=FR&company_name=ANTALIS` => 28 companies returned

GET `{{reportAPIBaseUrl}}/companies?country_iso_code=FR&city=Paris` => 30 companies returned

If more parameters are used, more accurate the search is and company is identified:

GET `{{reportAPIBaseUrl}}/companies?country_iso_code=FR&company_name=ANTALIS&city=Paris` => 6 companies returned

GET `{{reportAPIBaseUrl}}/companies?country_iso_code=FR&company_name=ANTALIS&zip_code=75019&city=Paris` => 1 result returned. Company is identified.

In case of any search, the country code is mandatory (otherwise 400 Bad request is returned) and as response, the list with companies found in ICON will be provided. Together with their details.

Response includes: company ID (which can be used further to check what products are available for company using GET /company call) company name, registration country, address and national identifiers. National Identifiers can be also used further for checking the products or for ordering products.

Remark!! This call is not returning list of available products.

GET /companies method allows to search using also the parameter ***full_text_query*** which allows to enter any kind of information such as name or address details and with combination of country (ISO code) which is mandatory to perform search, will return details of companies that have been identified. Search response is using boost factor which means that most accurate results are on top of returned list. List of possible results can be also restricted by using ***limit*** parameter also.

GET
{{reportAPIBaseUrl}}/companies?country_iso_code=FR&company_name=ANTALIS&zip_code=75019&city=Paris

Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings

Key	Value	Default
<input type="checkbox"/> full_text_query		
<input checked="" type="checkbox"/> country_iso_code	FR	co
<input checked="" type="checkbox"/> company_name	ANTALIS	na
<input checked="" type="checkbox"/> zip_code	75019	the
<input checked="" type="checkbox"/> city	Paris	
<input type="checkbox"/> limit	10	nu
<input type="checkbox"/> offset		
Key	Value	De

body
Cookies
Headers (20)
Test Results

Pretty
Raw
Preview
Visualize
JSON

```

1
2
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12
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15
16
17
18
19
20
21
22
23
24
[
  {
    "company_id": "410330765@pnp=FR/709",
    "company_name": "ANTALIS FRANCE",
    "registration_country": "FR",
    "address": {
      "country": "FR",
      "zip_code": "75019",
      "city": "PARIS 19",
      "address_lines": [
        "17 Avenue de la Porte des Lilas"
      ]
    },
    "national_identifiers": [
      {
        "type": {
          "code": 1,
          "name": "Registration Number"
        },
        "value": "410330765"
      }
    ]
  }
]

```

2.2.2 Get /company

Allows to search for specific company by providing either company ID (which was found by GET /companies method) or by providing unique company Identifiers (like icon number, easy number or one of the national_identifiers).

Call returns either 1 unique result or no results and country_iso_code is mandatory for this method as well.

Remark: with this call available products can be returned; in order to get details of available products for this company, parameters **show_available_creditreport_products** and **show_available_monitoring_products** needs to be set to **true** because by default they are set to false

Identifying company using icon number:

[GET{{reportAPIBaseUrl}}/company?country_iso_code=FR&icon_number=125356744&show_available_creditreport_products=true&show_available_monitoring_products=true](#)

GET [\(\(reportAPIBaseUrl\)\)](#)/company?country_iso_code=FR&icon_number=125356744&show_available_creditreport_products=true&show_available_monitoring_products=true

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

	KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/>	country_iso_code	FR	country to search in (ISO 3166-1 alpha-2 code)
<input checked="" type="checkbox"/>	icon_number	125356744	ICON number of the company
<input checked="" type="checkbox"/>	show_available_creditreport_products	true	
<input checked="" type="checkbox"/>	show_available_monitoring_products	true	

Body Cookies Headers (17) Test Results Status: 200 OK Time: 5.14 s Size: 1.57

Pretty Raw Preview Visualize JSON

```
1 200
2  {
3    "company": {
4      "company_id": "125356744",
5      "icon_number": 125356744,
6      "easy_number": "00000173093952",
7      "company_name": "ANTALIS FRANCE",
8      "registration_country": "FR",
9      "address": {
10       "country": "FR",
11       "zip_code": "75935",
12       "city": "PARIS CEDEX 19",
13       "address_lines": [
14         "17 Avenue de la Porte des Lilas"
15       ],
16       "telephone": "0158102500"
17     },
18     "national_identifiers": [
19       {
20         "type": {
21           "code": 1,
22           "name": "Registration Number"
23         },
24         "value": "2000000003"
25       },
26       {
27         "type": {
28           "code": 2,
29           "name": "SIRET"
30         },
31         "value": "515 173 093 952"
32       }
33     ]
34   }
35 }
```

Identifying company using company_id:

[GET{{reportAPIBaseUrl}}/company?show_available_creditreport_products=true&show_available_monitoring_products=true&company_id=125356744](#)

GET [\(\(reportAPIBaseUrl\)\)](#)/company?show_available_creditreport_products=true&show_available_monitoring_products=true&company_id=125356744

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

Query Params

	KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/>	show_available_creditreport_products	true	
<input checked="" type="checkbox"/>	show_available_monitoring_products	true	
<input checked="" type="checkbox"/>	company_id	125356744	
	Key	Value	Description

Body Cookies Headers (17) Test Results Status: 200 OK Time: 3.04 s

Pretty Raw Preview Visualize JSON

```
1 200
2  {
3    "company": {
4      "company_id": "125356744",
5      "icon_number": 125356744,
6      "easy_number": "00000173093952",
7      "company_name": "ANTALIS FRANCE",
8      "registration_country": "FR",
9      "address": {
10       "country": "FR",
11       "zip_code": "75935",
12       "city": "PARIS CEDEX 19",
13       "address_lines": [
14         "17 Avenue de la Porte des Lilas"
15       ],
16       "telephone": "0158102500"
17     },
18     "national_identifiers": [
19       {
20         "type": {
21           "code": 1,
22           "name": "Registration Number"
23         },
24         "value": "2000000003"
25       },
26       {
27         "type": {
28           "code": 2,
29           "name": "SIRET"
30         },
31         "value": "515 173 093 952"
32       }
33     ]
34   }
35 }
```

Identifying company using one of national_identifiers, vat-number:

When company was searched, national_identifiers were also returned. Vat number was with code 120, therefore parameters **identifier_type=120** and **identifier_value= {VAT value}** will be used.

[GET{{reportAPIBaseUrl}}/company?country_iso_code=PL&identifier_type=120&identifier_value=7010041346&show_available_creditreport_products=true&show_available_monitoring_products=true:](#)

The screenshot shows a REST client interface with a GET request to the endpoint: `{{reportAPIBaseUrl}}/company?country_iso_code=PL&identifier_type=120&identifier_value=7010041346&show_available_creditreport_products=true&show_available_monitoring_products=true`.

Params:

Key	Value	Description
<input type="checkbox"/> icon_number	141274114	ICON number of the company
<input type="checkbox"/> easy_number	00011986629361	EASY number of the company
<input checked="" type="checkbox"/> identifier_type	120	the type of the national identifier to search for
<input checked="" type="checkbox"/> identifier_value	7010041346	the national identifier to search for
<input checked="" type="checkbox"/> show_available_creditreport_products	true	
<input checked="" type="checkbox"/> show_available_monitoring_products	true	
<input type="checkbox"/> company_id		

Body:

```
96  },
97  "creditreport_products": [
98    {
99      "product_code": "20590",
100     "name": "Advanced Opinion",
101     "availability": "available_on_order",
102     "format": [
103       "html",
104       "xml",
105       "pdf",
106       "txt",
107       "json"
108     ],
109     "countries": ""
110   },
111   {
112     "product_code": "20310",
113     "name": "DRA with Monitoring",
```

In all cases, response should be identical. It contains information about the company requested, creditreport_products section including all available products and also monitoring_products section including the standalone monitoring products.

Remark!! Monitoring products cannot be ordered as single products; only in combination with a standalone product. But there are combined products which can be used in order to avoid misuse.

E.g Customer can order Advanced Opinion with Monitoring (if s/he wants also monitoring) instead of ordering Advanced Opinion + monitoring of Advance Opinion.

Remark!! Available products from creditreport_products section are the ones which are available for corresponding customer based on configuration made in BO

Remark: For each product, "countries" element is present in the response representing the countries where the product is available.

"countries": "" => means that product is available in all countries

"countries": "AL,BA,BG,CZ,EE,HR,HU,KV" => means the product is restricted to listed countries.

There is no possibility to request this products in not specified countries

GET ▼ {{reportAPIBaseUrl}}/company?country_iso_code=FR&icon_number=125356744&show_available_creditreport_products=true&sh

Params ● Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

	KEY	VALUE
<input checked="" type="checkbox"/>	country_iso_code	FR
<input checked="" type="checkbox"/>	icon_number	125356744
<input checked="" type="checkbox"/>	show_available_creditreport_products	true
<input checked="" type="checkbox"/>	show_available_monitoring_products	true
	Key	Value

ody Cookies Headers (17) Test Results

Pretty Raw Preview Visualize JSON ▼ ≡

```
57      "as_of_date": "2023-02-15T00:00:00.000Z"
58    },
59    "creditreport_products": [
60      {
61        "product_code": "20500",
62        "name": "Advanced Opinion",
63        "availability": "available_on_order",
64        "format": [
65          "html",
66          "xml",
67          "pdf",
68          "txt",
69          "json"
70        ],
71        "countries": ""
72      },
73      {
74        "product_code": "20310",
75        "name": "DRA with Monitoring",
76        "availability": "available_on_order",
77        "format": [
78          "html",
79          "xml",
80          "pdf",
81          "txt",
82          "json"
83        ],
84        "countries": ""
85      }
86    ]
87  }
```

In this point, customer either identified company and found list of available products, or did not succeeded to find company. In both cases, s/he can proceed to ordering credit report product using POST method to make an order. The structure of the request depends from the result of searching/identification of company.

2.3 Ordering a product

Method to be used: **POST** [{{reportAPIBaseUrl}}/orders/creditreport](#)

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.

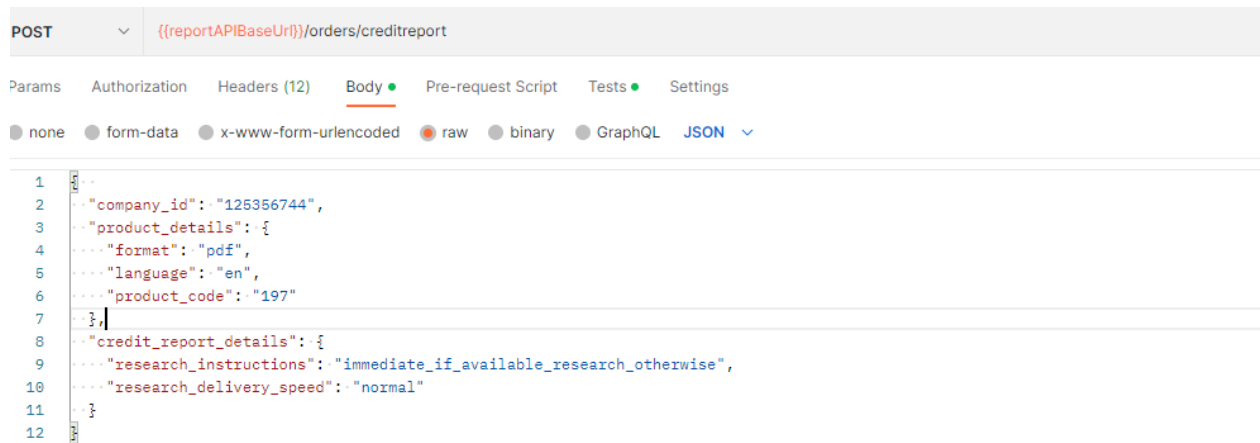
Swagger can be found under AWS Dev portal: <https://devportal.coface.com/apis/qves74kqv0/v1>

```
RequestedOrderDetails {
  company_id string
    unique id of the company
  company_unidentified CompanyUnidentified {
    description: Fill this out if you have not yet uniquely identified the company (using findCompany or identifyCompany)
    national_identifiers {
      type NationalIdentifierType > {...}
      value string
        example: R12312323
        the national identifier
    }
    address_lines > [...]
    city string
      city where the company is located
    registration_country string
      example: PL
      ISO 3166-1 alpha-2 code
    name string
      example: Smith Sheet Metal Inc.
      name of the company
    zip_code string
      postal code of company address
  }
  customer_reference string
    your own identifier for the order which was given when you placed the order
  credit_report_details RequestedCreditReportDetails {
    research_instructions string
      Enum:
        > Array [ 3 ]
    research_callback_url string($uri)
      example: https://mycompany.com/credit-report-orders/order-complete?our_ref=AB788823
      a URL which ICON will call when the order is ready
    max_credit_currency string
      the currency of the maximum credit
```

Full sample can be found in swagger:

```
{
  "customer_reference": "string",
  "company_id": "string",
  "company_unidentified": {
    "name": "Smith Sheet Metal Inc.",
    "registration_country": "PL",
    "national_identifiers": [
      {
        "type": {
          "code": 120,
          "name": "VAT Number"
        },
        "value": "R12312323"
      }
    ],
    "city": "string",
    "zip_code": "string",
    "address_lines": [
      "string"
    ]
  },
  "product_details": {
    "product_code": "string",
    "language": "string",
    "format": "html"
  },
  "credit_report_details": {
    "research_instructions": "immediate_if_available_research_otherwise",
    "research_callback_url": "https://mycompany.com/credit-report-orders/order-complete?our_ref=AB788823",
    "research_delivery_speed": "normal",
    "max_credit_amount": 0,
    "max_credit_currency": "string",
    "requested_amount": "string",
    "report_currency": "",
    "question": "Is this company actually doing business at the registered address?"
  }
}
```

2.3.1 Ordering a product for a company identified:



Body of the request should contain company_id, product details and some instructions inside section credit_report_details.

For example, if product has availability *“available_immediately”* then the report is returned immediately. But if the product has the availability *“available_on_order”* then with the **research_instructions** parameter, the customer can say that s/he would wanted immediate if available or can wait if is not available. And as speed, can also be: normal, flash or express. Depending in these values, backoffice manual work is done with according priority.

4.3.2 Ordering a product for a company not identified

The body of the request should contain as much as possible information in section ***“company_unidentified”***. *Product_details* or *credit_report_details* sections should be also in this case present, filled in with according information.

Remarks!!

1. Products Ids

In order to request reports, customer need to know product codes. S/He can find these details in response of the method [GET /company](#): which products are enabled for him and with which availability. But just in case please find below list of product codes for standard offer:

- DRA – Debtor Risk Assessment => 20300
- DRA with Monitoring => 20310
- @Credit Opinion => 20400
- @Credit Opinion With Monitoring => 20410
- Advanced Opinion => 20500
- Advanced Opinion With Monitoring => 20510

- Snapshot Report => 9993
- Snapshot Report with Monitoring => 9992
- Full Report => 199
- Full report With Monitoring => 197

Attention: for DRAGON products (DRA, CO, AO) availability is not immediate, therefore research_instructions should be research_no_immediate with delivery speed normal.

2. Offline requests

Customer can request offline (investigation request either with providing company ID or providing company details where country and address will be mandatory in order to allow to identify company). In case of offline order request should include research instructions **research_no_immediate**.

Third option which is **immediate_if_available_research_otherwise** can be used in case if company ID is provided within request (company is identified in ICON) and in that case if report is available immediately it will be returned and if not, investigation request will be done based on specified delivery speed.

3. 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.

2.4 Checking order status

- After using the POST method, customer gets as response an id which allows checking the status of request (initial status of request is “in_preparation”):

```
POST {{reportAPIBaseUrl}}/orders/creditreport

{
  "company_id": "125356744",
  "product_details": {
    "format": "pdf",
    "language": "en",
    "product_code": "197"
  },
  "credit_report_details": {
    "research_instructions": "immediate_if_available_research_otherwise",
    "research_delivery_speed": "normal"
  }
}
```

```
{
  "id": "676b9c1f-9f08-4d89-9dcf-a148a3b6bd61",
  "order_status": "in_preparation"
}
```

- Order can be checked also in backend, using the id value for order guid:

☒ Order detail

Order number(s) e.g. 2345 or 2343,1223

Order guid(s)

- Status should be checked by the customer using [GET {{reportAPIBaseUrl}}/order/{id}](#)

```
GET {{reportAPIBaseUrl}}/order/{id}

Query Params
KEY      VALUE      DESCRIPTION
Key      Value      Description

Path Variables
KEY      VALUE      DESCRIPTION
id       676b9c1f-9f08-4d89-9dcf-a148a3b6bd61  Description
```

```
{
  "id": "676b9c1f-9f08-4d89-9dcf-a148a3b6bd61",
  "order_status": "finished",
  "order_details": {
    "coface_reference": "4-14287318",
    "order_type": "credit_report",
    "product_code": "197",
    "company_id": "125356744",
    "ordered": "2023-02-16T08:00:02.000Z",
    "requested_delivery": "2023-02-16T08:00:00.000Z",
    "delivered": "2023-02-16T08:00:24.000Z"
  },
  "report_documents": [
    {
      "file_name": "report.pdf",
      "mime_type": "application/pdf"
    }
  ]
}
```

Response is including the status of the order. This action should be performed until status is **“finished”**.

Also the name of the document that will be returned is included in the response, **file_name**.

2.5 Retrieving the data

- If order is finished, customer can call method [GET /order/{id}/document/{file_name}](#) to get the content of the product :

The screenshot shows an API client interface with a GET request to `{{reportAPIBaseUrl}}/order/{id}/document/{file_name}`. The response is a PDF document titled "Full Report with Monitoring" for "ANTALIS FRANCE". The report includes company details, a summary, and a credit score.

KEY	VALUE	DESCRIPTION
Key	Value	Description

KEY	VALUE	DESCRIPTION
id	676b9c1f-9f00-4d89-9dcf-a148a3b6bd61	This field is filled by the response of post order
file_name	report.pdf	This field is filled by the response of get document list

Status: 200 OK Time: 319 ms Size: 175.23 KB Save Respo

Full Report with Monitoring Generated on: 16th Feb 2023

Company

ANTALIS FRANCE

Registered office: 17 avenue de la Porte des Lilas
75018 PARIS Cedex 18
France
Telephone: +33-(0)1 58 02 00 00
Fax: +33-(0)1 58 02 00 01
Email: info@antalisa.com
Web: www.antalisa.fr

ICDN number: 13336764
Easy number: 0000073893992
Company registry number: 2000900003
Siret: 410225765
Siret: 4102257650047
VAT number: FR33410225765

Date of Last Major Update: 14-02-2023

Summary

Credit Score: Recommended Maximum Credit: Legal events:

2.6 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.*

Monitoring for business reports is restricted to specified list of countries (details which are returned together with product available performing the call [GET /company](#)) and only identified companies can be monitored.

By default Monitoring should last 12 months.

If the request will be successful then the company will be monitored.

2.7 Retrieving monitoring notifications

In order to get pending monitoring notifications customer can use method [GET{{reportAPIBaseUrl}}/notifications](#)

Method can be called without any parameter and it will return all notifications received by the customer for all orders, over all companies, if case.

GET

{{reportAPIBaseUrl}}/notifications

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

ody

Cookies

Headers (19)

Test Results

Status: 206 Partial Content

Time:

Pretty

Raw

Preview

Visualize

JSON

```
1  {}
2
3  {
4    "id": 9697531,
5    "order_id": "1c52802b-f86b-4196-ba3a-370b14e78e03",
6    "timestamp": "2022-01-05T20:49:19.000Z",
7    "company": {
8      "company_id": "142387834",
9      "icon_number": 142387834,
10     "easy_number": "00004609100629",
11     "company_name": "A.M.I.S. - APPARECCHI E MACCHINE IDRAULICHE SPECIALI S.R.L. SIGLABILE A.M.I.S. - S.R.L.",
12     "registration_country": "IT",
13     "address": {
14       "country": "IT",
15       "zip_code": "10149",
16       "city": "TORINO",
17       "address_lines": [
18         "VIA BORGOMASINO 71/73"
19       ],
20       "telephone": "011/7399696"
21     },
22     "national_identifiers": [
23       {
24         "type": {
25           "code": 1,
26           "name": "Registration Number"
27         },
28         "value": "T0247449"
29       }
30     ]
31   }
32 }
```

Method can be also called using one of the specified parameters in swagger (Specifying the period for which he wants to get notifications):

Notifications

Download notifications of monitored companies

GET /notifications

Get a list of available monitoring notifications.

Parameters

Name	Description
notification_timestamp_from string(date-time) (query)	Lower limit (inclusive) for the date of retrieved notifications <input type="text" value="notification_timestamp_from"/>
notification_timestamp_to string(date-time) (query)	Upper limit (inclusive) for the date of retrieved notifications <input type="text" value="notification_timestamp_to"/>
offset integer (query)	starting point within paged results (the X-Total-Count header of the response indicates the total number of results found) Default value : 0 <input type="text" value="0"/>
limit integer (query)	number of results to fetch starting from offset (the X-Total-Count header of the response indicates the total number of results found) Default value : 20 <input type="text" value="20"/>

Response contains ID of the notification, therefore customer can retrieve notification content using the method [GET {{reportAPIBaseUrl}}/notification/{id}](#)

GET [{{reportAPIBaseUrl}}/notification/10662352](#)

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

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (16) Test Results

```
{  "company_monitoring_details": {    "validity_of_monitoring": "15.11.2021 - 15.11.2022",    "product": "@ Credit Opinion with Monitoring",    "order_number": "11571640"  },  "details_about_the_monitored_company": {    "company": "CERVANTES MOTOR ZURDO CRUZ SOCIEDAD LIMITADA",    "address": "AVDA CERVANTES 43 BASAURI 48970",    "contact": {      "phone": "+34944262609",      "icon_number": "145055216",      "vat_number": "ESB93276663",      "registration_status": "OPEN",      "easy_number": "00003483949455"    }  },  "the_following_changes_to_this_company_have_been_detected": {    "dra_score": {      "new": 6,      "previous": 4    },    "@ Credit opinion": {      "new": 4    }  } }
```

If notifications include multiple attachments, customer can use method [GET{{reportAPIBaseUrl}}/notification/{id}/documents](#) to obtain the names of the attachments:

GET [{{reportAPIBaseUrl}}/notification/10662352/documents](#)

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

Query Params

KEY	VALUE
Key	Value

Body Cookies Headers (15) Test Results

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "file_name": "notification.pdf",
4     "mime_type": "application/pdf"
5   }
6 ]
```

Each of the attachment's content is retrieved with [GET{{reportAPIBaseUrl}}/notification/{id}/document/{file_name}](#)

3. Possible use cases

Please note that it will not cover all case scenarios; since we have multiple customer configurations, below cases are covering standard offer with Full Report and Snapshot product enabled or DRA and CO

3.1 Request to order Business report (Full Report) immediate

Assuming the customer has the name and address of a company for which s/he wants a report:

- first, use the “find company” operation by calling [GET /companies](#) to find the company or use “identify company” operation by calling [GET /company](#) (if customer knows an unique identifier of the company)
- List of matching companies are returned (for [GET /companies](#)) or unique company (for [GET /company](#))
- Using the “company_id” of the selected/returned company, orders a report on the company, using the “placeOrder” operation (call [POST /orders/credit report](#)).
- needs to make sure that is correctly entered the product code (199), the format and the language along with research instruction
- Assuming that returned company details indicated that report is available online, in research_instructions enter: **immediate_no_research**.
- The response contains the id of the order.
- The “getOrder” operation is used to get the status of the order (call [GET /order/{id}](#))
- When the order is ready, do operation “getOrderDocumentList” (call [GET /order/{id}/documents](#))
- A list of documents for the order is returned
- do operation “getOrderDocument” (call [GET /order/{id}/document/{file name}](#)) which will return the selected document (the full report).