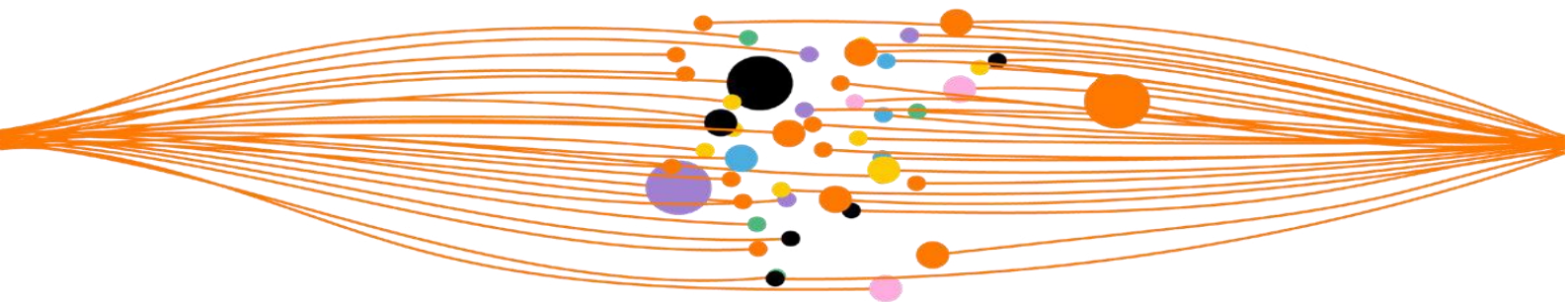


Configure Core Information API in Postman

Contents

Prerequisite: before starting	2
Use case 1: Get all CIs	3
Use case 2: Filter the CIs list	4
Use case 3: Pagination of the CIs list	5
Use case 4: Get details of a CI	6
Annexes: Configure API OAuth 2.0 authentication in Postman	7
Orange API Specific Terms for Core Information API	10



Prerequisite: before starting

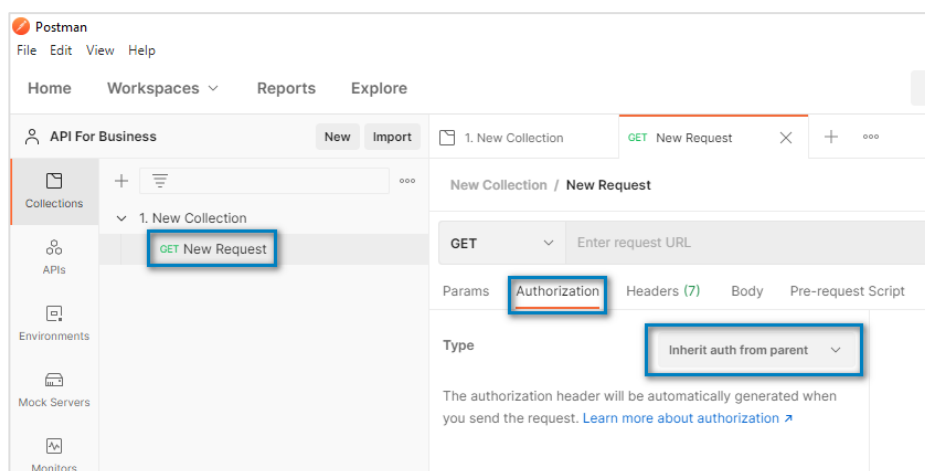
In the “Authorization” tab of the new request, select “Inherit auth from Parent”

Core Information for Business API is protected with OAuth 2.0.

- The objective is to get the `access_token`.
- The `access_token` must be added to HTTP headers of each API call.
- The Postman authentication configuration is detailed in the [annexes](#) of this document

The API also requires the generation of an **API-Key**.

- Your Orange Business Service API contact can provide you this API key.
- The API key must be added to HTTP headers of each API call.
- The header is `X-API-Key`.



Use case 1: Get all CIs

List all my CIs without filter, sort, or paging

Use the new request created in the previous step

Request

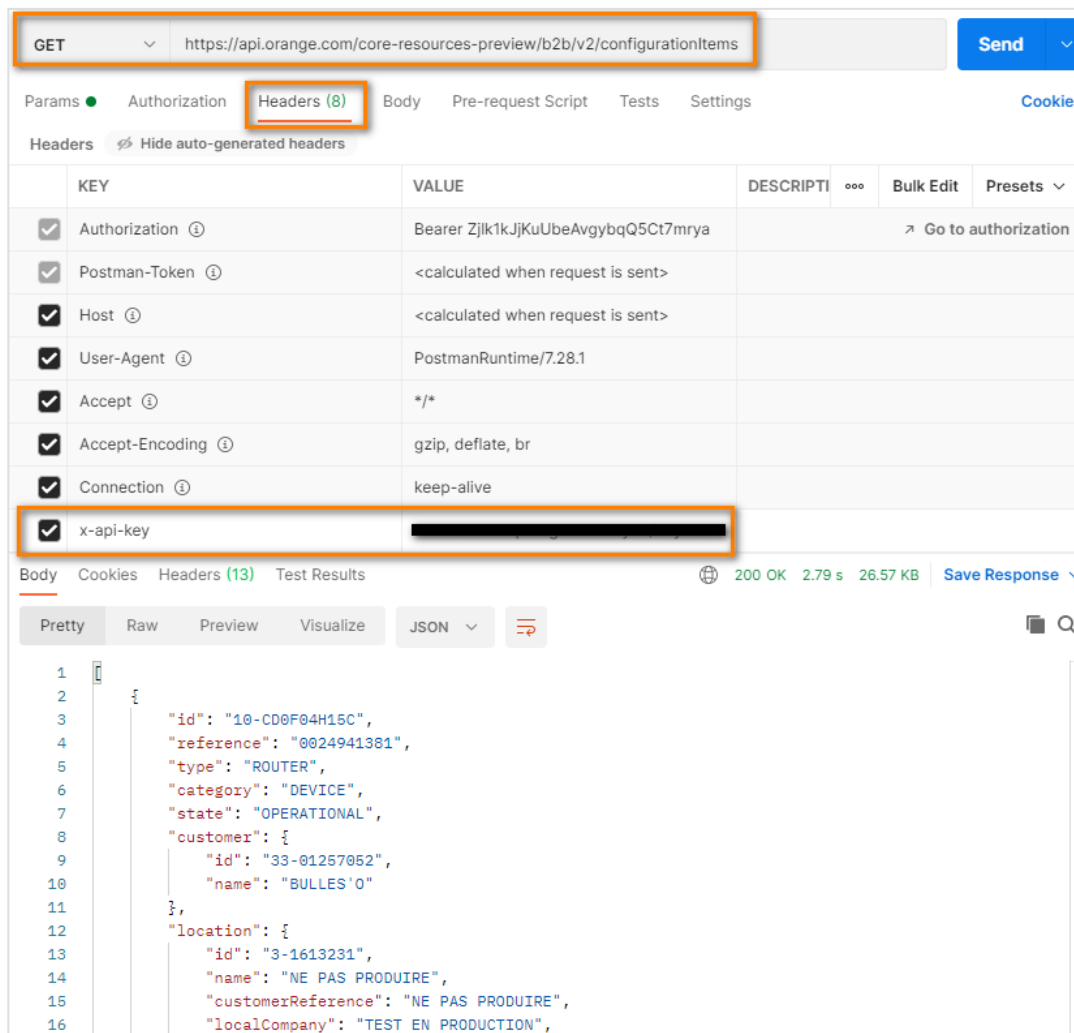
- Method & URL: **GET** , <https://api.orange.com/core-information/b2b/v2/configurationItems>
- Header : add **x-api-key** => Value provided by your administrator

Response

"HTTP Status code = 200" for a successful answer Body

Header you will receive 2 specific headers:

- **X-Result-Count** header, the number of CIs
- **X-Total-Count** header, the number of all CIs matching criteria.



The screenshot shows a Postman interface for a GET request to `https://api.orange.com/core-resources-preview/b2b/v2/configurationItems`. The request headers section is expanded, showing a table of headers. The `x-api-key` header is highlighted with an orange box. The response body is shown in JSON format, containing a list of configuration items.

KEY	VALUE	DESCRIPTI	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> Authorization	Bearer Zjlk1kJjKuUbeAgybqQ5Ct7mrya				Go to authorization
<input checked="" type="checkbox"/> Postman-Token	<calculated when request is sent>				
<input checked="" type="checkbox"/> Host	<calculated when request is sent>				
<input checked="" type="checkbox"/> User-Agent	PostmanRuntime/7.28.1				
<input checked="" type="checkbox"/> Accept	*/*				
<input checked="" type="checkbox"/> Accept-Encoding	gzip, deflate, br				
<input checked="" type="checkbox"/> Connection	keep-alive				
<input checked="" type="checkbox"/> x-api-key	[REDACTED]				

```
1  {}
2
3  "id": "10-CD0F04H15C",
4  "reference": "0024941381",
5  "type": "ROUTER",
6  "category": "DEVICE",
7  "state": "OPERATIONAL",
8  "customer": {
9    "id": "33-01257052",
10   "name": "BULLES'O"
11 },
12 "location": {
13   "id": "3-1613231",
14   "name": "NE PAS PRODUIRE",
15   "customerReference": "NE PAS PRODUIRE",
16   "localCompany": "TEST EN PRODUCTION",
```

Use case 2: Filter the Cis list

You have the possibility to filter a collection by adding to the URI some attributes.

Example: retrieve all the routers located in France.

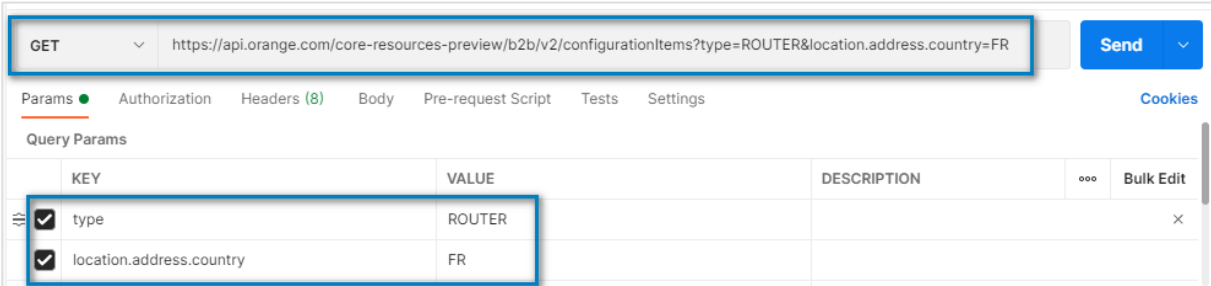
Request

Add the following parameters the previous request:

- `type=ROUTER`
- `location.address.country=FR`

Response

List of your filtered CIs in a json format



The screenshot shows a REST client interface with a GET request to the URL `https://api.orange.com/core-resources-preview/b2b/v2/configurationItems?type=ROUTER&location.address.country=FR`. The 'Query Params' section is expanded, showing a table with the following parameters:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> type	ROUTER	
<input checked="" type="checkbox"/> location.address.country	FR	

Use case 3: Pagination of the CIs list

The API provides a pagination mechanism with the following query parameters

- **offset**: The index of the first element to retrieve. Zero is the first item of the collection.
- **limit**: The maximum number of items to return.
- **sort**: The comma-separated list of field names to sort the result. Prefixing a field name with a "-" sign will indicate a descending order.

Thanks to these 3 query parameters, you can retrieve CIs page per page.

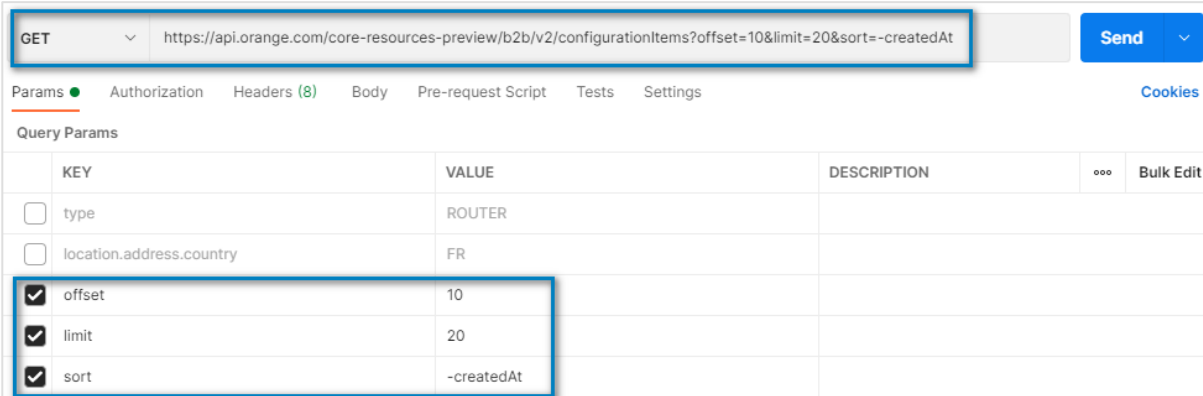
Example: to get the next 20 CIs from the 10th CI of the global list and ordered by the creation date.

Request

Uncheck all the previous parameters in the "Query Params" list

Add the following parameters in the "Query Params" list

- **offset=10**
- **limit=20**
- **sort=-createdBy**



GET https://api.orange.com/core-resources-preview/b2b/v2/configurationItems?offset=10&limit=20&sort=-createdAt

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

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input type="checkbox"/>	type	ROUTER			
<input type="checkbox"/>	location.address.country	FR			
<input checked="" type="checkbox"/>	offset	10			
<input checked="" type="checkbox"/>	limit	20			
<input checked="" type="checkbox"/>	sort	-createdAt			

Response

List of 20 CIs in a Json format

Use case 4: Get details of a CI

With the Core information API, you can retrieve all information about a specific CI.

You only need the id of the CI (you can retrieve it from the CIs list).

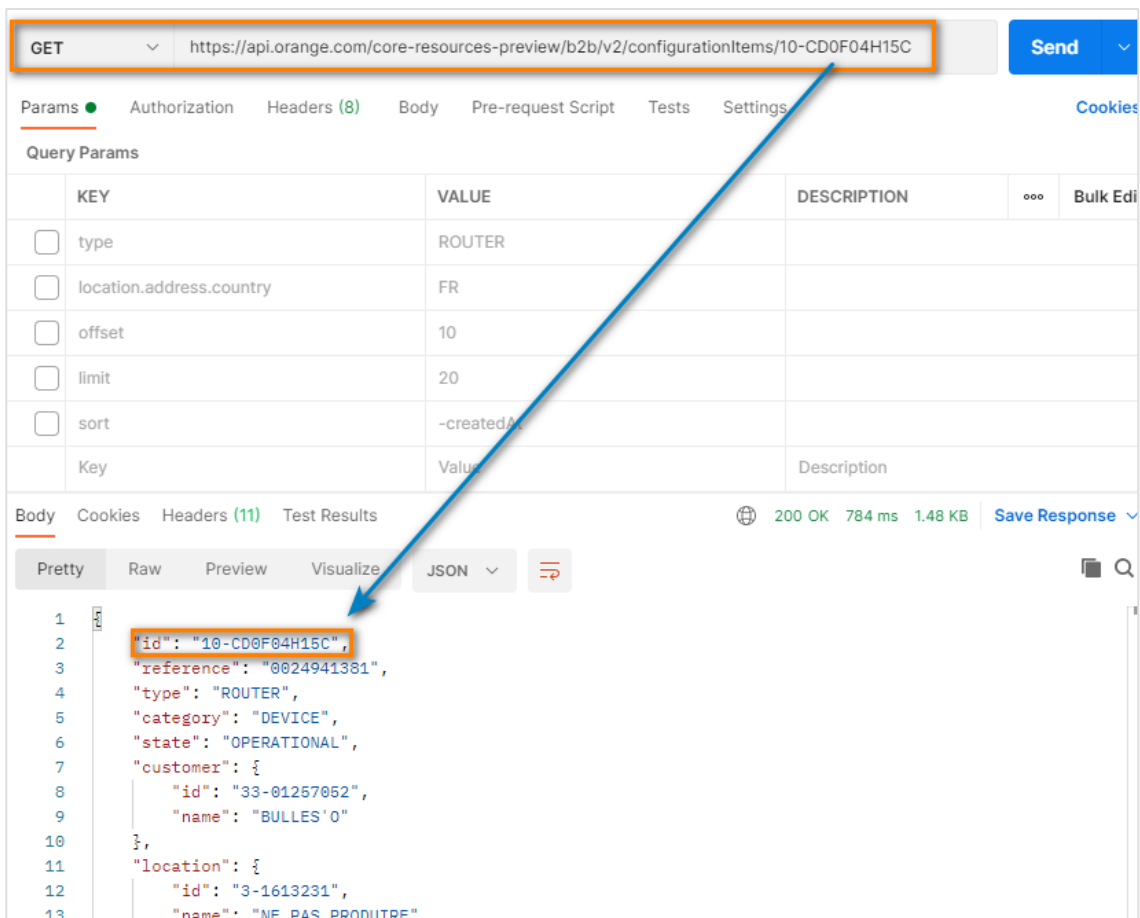
Request

Uncheck all the parameters in the “Query Params” list

Add the id of the CI (you can retrieve it from the CIs list) to the URL :/{CI_id}

Response

Your CI in a json format



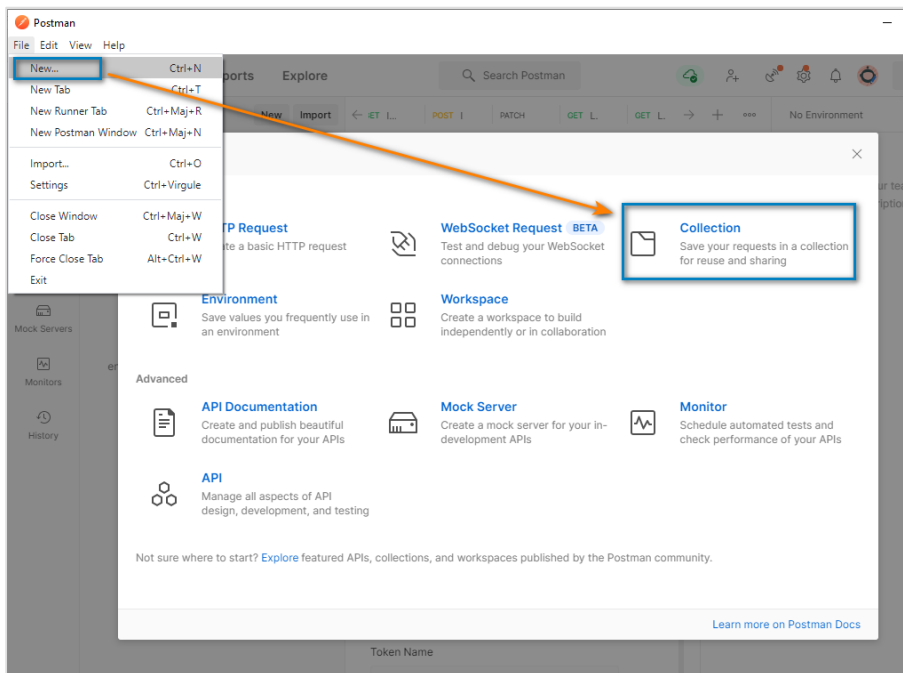
The screenshot shows a REST client interface with a GET request to the URL `https://api.orange.com/core-resources-preview/b2b/v2/configurationItems/10-CD0F04H15C`. The response is a JSON object with the following structure:

```
1  {
2    "id": "10-CD0F04H15C",
3    "reference": "@024941381",
4    "type": "ROUTER",
5    "category": "DEVICE",
6    "state": "OPERATIONAL",
7    "customer": {
8      "id": "33-01257052",
9      "name": "BULLES'0"
10   },
11   "location": {
12     "id": "3-1613231",
13     "name": "NE PAS PRODUIRE".
```

Annexes: Configure API OAuth 2.0 authentication in Postman

Step 1: Create a new Collection

File > New > Select “Collection”



Step 2: Configure OAuth 2.0 authentication

In the “Authorization” tab :

- Type : OAuth 2.0

In the configure “New Token Options” section :

- Token Name : Set a name to your Token
- Grant Type : Clients Credentials
- Access Token URL : <https://api.orange.com/oauth/v3/token>
- Client ID : info provided from your Orange Developer Account
- Client Secret : info provided from your Orange Developer Account
- Scope : Ø
- Client Authentication : Send as Basic Auth header

New Collection Watch 0

Authorization • Pre-request Script Tests Variables

This authorization method will be used for every request in this collection. You can override this by specifying one in the request.

Type

The authorization data will be automatically generated when you send the request.
[Learn more about authorization](#)

Add auth data to

Current Token

Access Token

Header Prefix

Configure New Token

Configuration Options • Advanced Options

Token Name

Grant Type

Access Token URL

Client ID

Client Secret

Scope

Client Authentication

Step 3: Get Access Token

Click on “Use Token”

MANAGE ACCESS TOKENS ×

All Tokens Delete

Token Details

Token Name	Token API4B
Access Token	[REDACTED]
Token Type	Bearer
expires_in	7776000

The new token is displayed on the previous page in the “Current Token” section

Current Token

This access token is only available to you. Sync the token to let collaborators on this request use it.

Access Token Available Tokens ▾

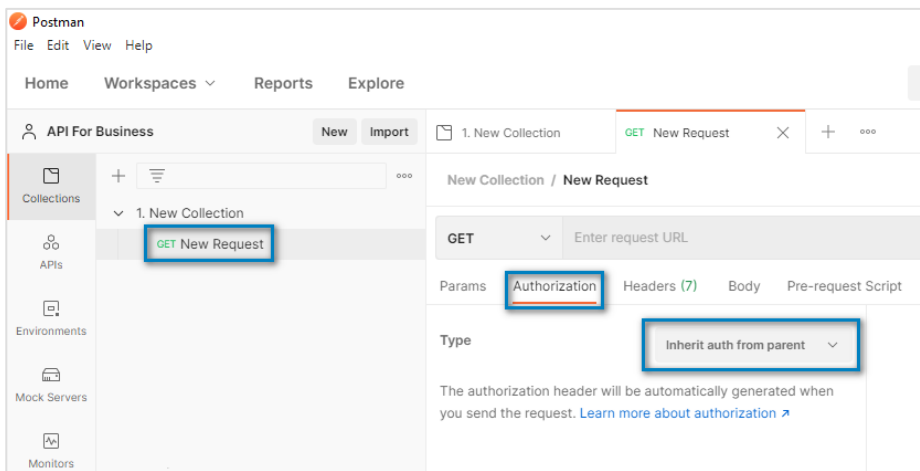
✕

Header Prefix ⓘ Bearer

Step 4: Create a new Request and use the OAuth 2.0 authentication

Create a new request into the Collection you have created previously

In the “Authorization” tab of the new request, select “Inherit auth from Parent”



Orange API Specific Terms for Core Information API

Service Provider: Orange Business Services

The API Core Information allows the Customer to access main resources of Supported services. Subject to the terms of these Orange API Specific Terms for Core Information API, Orange Business Services will provide Customer with access to the Core Information API upon Customer's request.

1. DEFINITIONS.

All capitalised terms used in these Specific Terms will have the respective meanings given to such terms in the Orange API General Terms or in the Agreement (as defined below), as applicable.

Agreement means the terms and conditions or agreement signed by Customer and Orange Business Services pursuant to which Orange Business Services provides the Network Services to Customer.

Customer means the legal entity identified in the Agreement that receives the Supported Services and that uses the Core Information API.

Incident means a failure or malfunction of a Supported Service. Incidents do not include unavailability of Supported Services during Scheduled Maintenance

Supported Services means the Services (1) that Customer purchases from Orange Business Services pursuant to the terms of, and as described in the relevant Service Description(s) in, the Agreement and (2) for which Orange Business Services will provide the Core Information API. Orange will identify and may modify from time to time the Services for which the Core Information API is made available.

Orange Business Services means the Orange Affiliate identified in the Agreement.

2. CONTRACTUAL DOCUMENTS

Core Information API is only available if Customer has an existing Agreement with Orange Business Services for Supported Services. Use of the Core Information API is subject to the terms and conditions of the Agreement, the Orange APIs General Terms, and these Orange API Specific Terms for Core Information API. In case of any conflict or discrepancy between the Orange APIs General Terms, the Orange API Specific Terms for Core Information API and the Agreement, the order of precedence shall be as follows: (1) these Orange API Specific Terms for Core Information API, (2) Orange APIs General Terms, and (3) the Agreement, except that the Governing Law and Dispute Resolution provisions in the Agreement will apply in lieu of those terms in the Orange API General Conditions.

3. SERVICE DESCRIPTION AND SPECIFIC CONDITIONS

3.1. CONDITIONS

Customer's access to Core Information API is not transferable. Core Information API is available, and Customer represents and warrants that all information and data made available through Core Information API will be, for Customer's internal use and/or Business Customer's internal use only.

3.2. FEES

Core Information API is included the Supported Services charges. Orange Business Services reserves the right to modify API fees at any time upon written notification to the Customer.

3.3. API MODIFICATION AND VERSION

Orange Business Services may modify or update the Core Information API at any time, and Orange will use reasonable efforts to provide at least 30 days advance notice to Customer of any such update that Orange reasonably believes would materially or adversely impact the Customer.

Orange Business Services reserves the right to suspend any version of Core Information API at any time. In such event, Customer will be informed in advance and in a timely manner so that Customer may migrate to a newer version of the API.

3.4. API TERMINATION

Orange Business Services reserves the right to terminate Core Information API at any time. Orange will use reasonable efforts to provide at least 60 days advance notice to Customer.

3.5. DISCLAIMER OF WARRANTIES

In addition to the disclaimer of warranties set forth in the Orange APIs General Terms, Orange Business Services expressly disclaims any warranties, express or implied, that the information available on the Core Information API or any data derived therefrom will be free from errors or omissions, and Orange Business Services will have no responsibility or liability for any error or omission on the Core Information API or any information derived therefrom.

3.6. TECHNICAL REQUIREMENT

The Core Information API access will be available to Customer through a RESTFUL API (with HTTPS), and Customer is responsible for providing and maintaining Internet connection and appropriate Internet application software for use with the Core Information API.

3.7. API SERVICE AVAILABILITY

Customer will report any failure or malfunction of the Core Information API ("Incident") to Orange Business Services, and Orange Business Services will address and manage the Incident in an effort to restore service, which may include providing Customer with relevant documentation. Orange Business Services will use reasonable efforts to provide Core Information API high availability and good response time for the API Calls.

Orange Business Services may suspend the Core Information API at any time for technical or operational reasons, e.g., to perform maintenance, to implement an upgrade, etc. Maintenance periods will be communicated to Customer in advance.

3.8. API CALL LIMITATION

Orange Business Services reserves the right to implement a threshold applicable to the number of API requests per minute (which will be identified and may be modified by Orange Business Services from time to time) to preserve the quality of the service. All API requests that exceed such threshold will be rejected and a specific error code and associated description will be returned.

3.9. CUSTOMER RESPONSIBILITY

When Customer or its Business Customer posts, modifies, submits or transmits information to or through the Core Information API, Customer is fully and solely responsible for the changes that Orange Business Services makes to Customer's Network Services in reliance on such information, and Orange Business Services will not be responsible for any misconfiguration related to such information.

Customer is responsible for the preservation and usage of the authentication information provided by Orange Business Services. Customer will define and implement the appropriate and effective means to preserve confidentiality of the Core Information API.

If Orange Business Services knows or reasonably suspects that the Core Information API is being misused, Orange Business Services may immediately require the Customer to cease all use of the API notwithstanding anything to the contrary and without prejudice to Orange's termination rights or remedies as otherwise set forth in the Orange APIs General Terms or in the Agreement. In such event, the Customer agrees to cease using the API without any delay and to provide evidence to Orange Business Services to demonstrate Customer's compliance. Orange Business Services will not be responsible or liable for any misuse of the Core Information API or of any data included or made available as part of the API.

Customer may not reproduce, resell, or distribute the Core Information API or any reports or data generated by the Core Information API for any purpose unless Customer has been specifically permitted to do so under a separate agreement with Orange Business Services.

3.10. USE OF API / DATA

Customer understands and agrees that Orange Business Services is collecting data regarding the Customer's or its Business Customer's use of the Core Information API. Customer expressly agrees that Orange Business Services is permitted to use, process and store this data as reasonably required to improve the API functionality and better services, subject to the terms of the Orange APIs General Terms and/or the Agreement, as applicable, regarding Personal Data.