

Informal UAT - UPD data repository

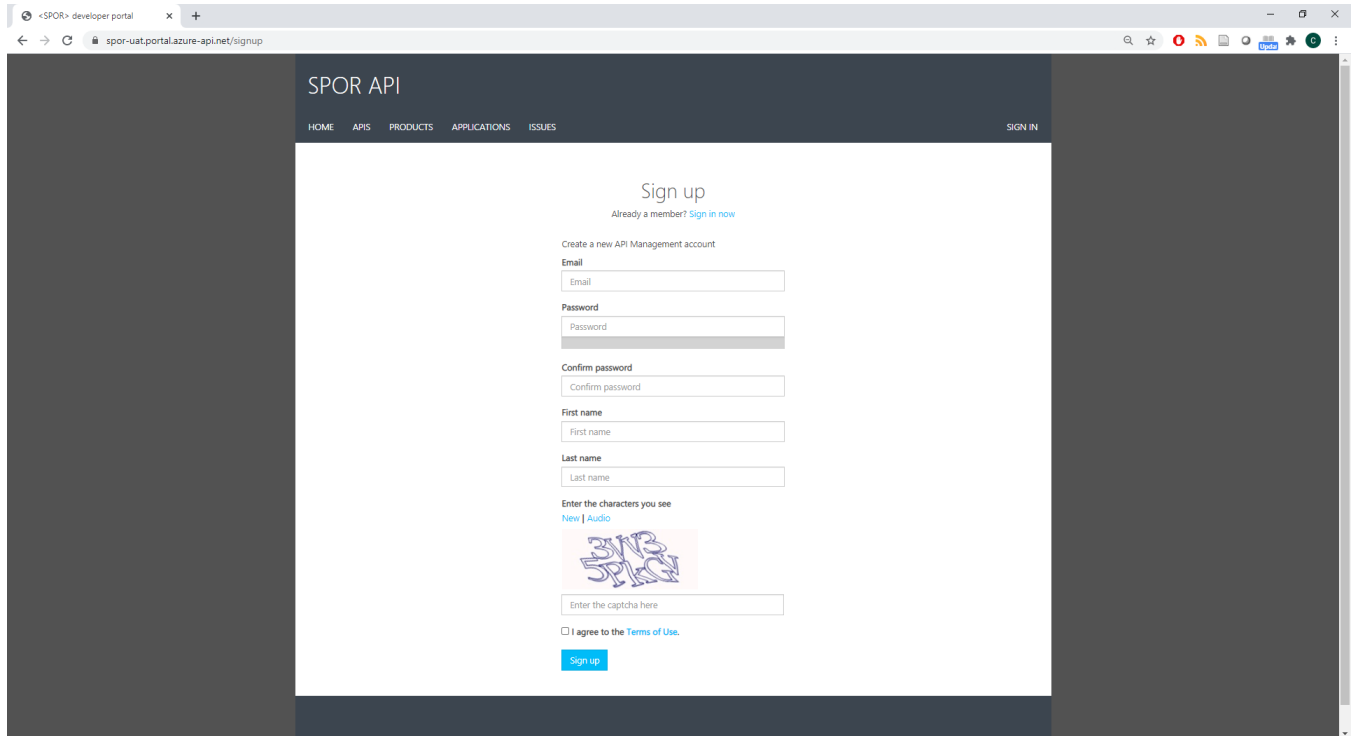
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1 API Manager

1.1 Registration

Step 1: navigate to <https://spor-uat.portal.azure-api.net/>

Step 2: if you have not yet got an account, follow the link [Sign up now](#)



The screenshot shows a web browser window with the URL spor-uat.portal.azure-api.net/signup. The page is titled "SPOR API" and has a navigation menu with "HOME", "APIS", "PRODUCTS", "APPLICATIONS", "ISSUES", and "SIGN IN". The main content area is a "Sign up" form. The form includes the following fields and elements:

- Sign up** header with a link "Already a member? [Sign in now](#)".
- Create a new API Management account** section.
- Email** field.
- Password** field.
- Confirm password** field.
- First name** field.
- Last name** field.
- Enter the characters you see** section with a "New | [Audio](#)" link and a captcha image showing the characters "313 5112".
- Enter the captcha here** field.
- I agree to the [Terms of Use](#).**
- Sign up** button.

Step 3: fill out the form with your details and a valid email address as you will be required to confirm the address through a verification email. Submit the form.

Step 4: the system will send you a verification email to the address you provided in the form, follow the link in that email in order to confirm.

Step 5: Sign in to <https://spor-uat.portal.azure-api.net/> and navigate to **PRODUCTS**, then navigate to **Authorised - UPD API - Milestone 3 (UPD 1.03)** and in the next screen, click on the button **Add subscription** in order to confirm the request.

SPOR API

HOME APIS PRODUCTS APPLICATIONS ISSUES QCT_0103 API TESTER

Products

[Authorised - PMS API - R/W](#)
This service enables the user to search, view, create & update MedicinalProduct and related resources. Allows unlimited calls to the API. Access requests must be approved by SPOR administrators.

[Authorised - PMS Direct](#)
Authorised - PMS Direct. Allows unlimited calls to the API. Access requests must be approved by SPOR administrators.

[Authorised - SMS Direct](#)
Authorised - SMS Direct. Allows unlimited calls to the API. Access requests must be approved by SPOR administrators.

[Authorised - SMS R](#)
Authorised - SMS R. Allows unlimited calls to the API. Access requests must be approved by SPOR administrators.

[Authorised - SPMS R/W](#)
Authorised - SPMS R/W. Allows unlimited calls to the PMS R/W API & SMS R API. Access requests must be approved by SPOR administrators.

[Authorised - SPMS R/W Direct](#)
Authorised - SPMS R/W Direct. Allows unlimited calls to the API. Access requests must be approved by SPOR administrators.

[Authorised - UPD API - Milestone 3 \(UPD 1.03\)](#)
This service enables UPD specific functionality, such as the creation of Decentralised procedures (DCP). This service builds on and complements SPOR API for PMS resources. Allows unlimited calls to the UPD API. Access requests must be approved by UPD administrators.

Step 6: your request will be analysed and granted by a system administrator. Once it is approved you will received an email confirming this and when you navigate to <Your name> > [PROFILE](#)

SPOR API

HOME APIS PRODUCTS APPLICATIONS ISSUES QCT_0103 API TESTER

Profile [PROFILE](#) [SIGN OUT](#)

Email
First name QCT_0103
Last name API Tester

Your subscriptions

Subscription details	Product	State	Action
Subscription name Authorised - UPD API - Milestone 3 (UPD 1.03) Started on 07/23/2021 Primary key <input type="text" value="XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"/> Secondary key <input type="text" value="XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"/>	Rename Authorised - UPD API - Milestone 3 (UPD 1.03) Show Regenerate Show Regenerate	Active	Cancel

Your applications

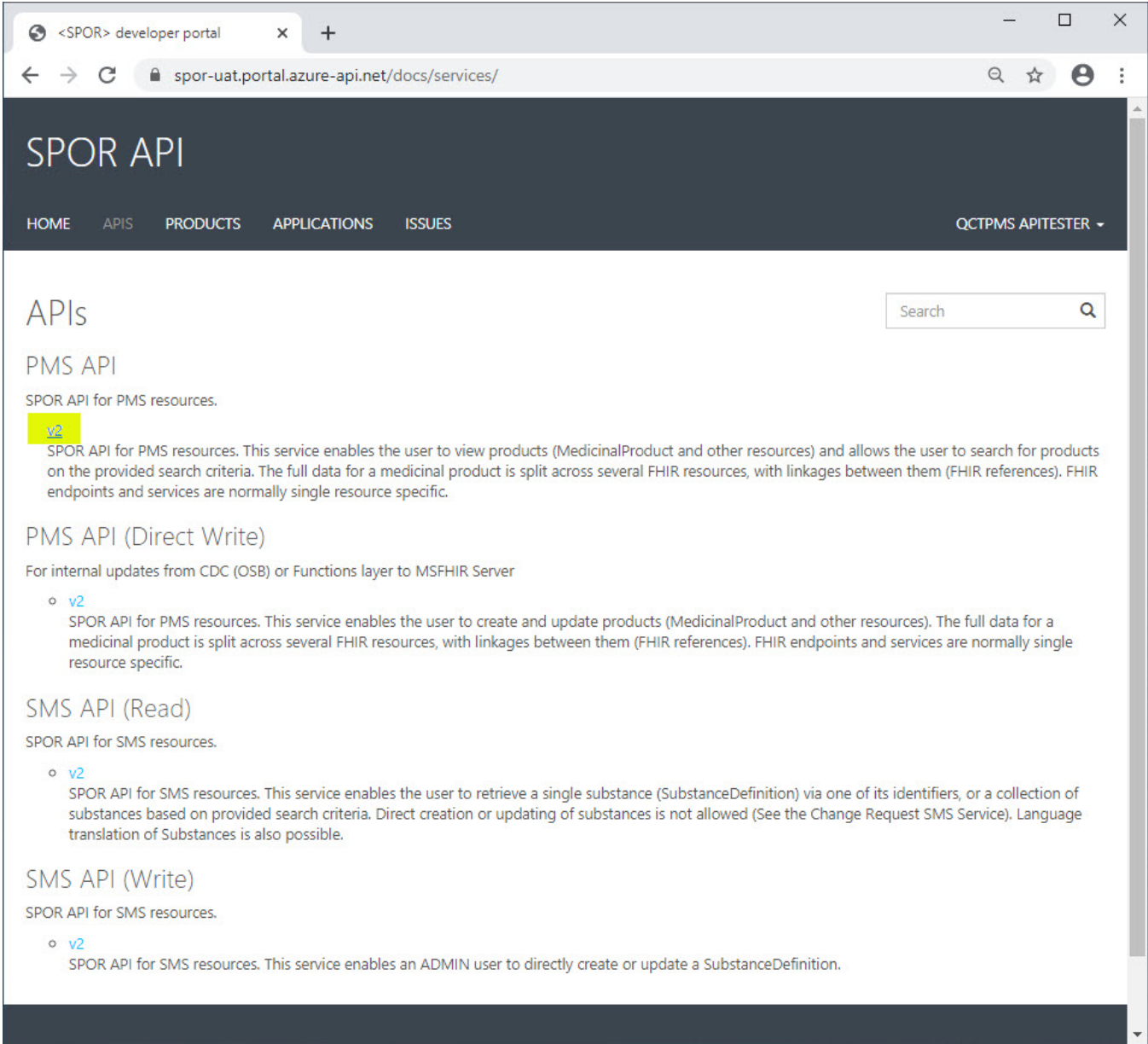
Name	Category	State
No results found.		

Looking to close your account?

That's it, your account and subscription are valid.

1.2 APIs

Before you proceed, make sure you have signed in to <https://spor-uat.portal.azure-api.net/>. You can then navigate to the menu item [APIS](#) and select any of the relevant API you want to use, [PMS API](#) as on the screen below:



The screenshot shows a web browser window with the address bar displaying `spor-uat.portal.azure-api.net/docs/services/`. The page title is **SPOR API**. A navigation menu at the top includes **HOME**, **APIS**, **PRODUCTS**, **APPLICATIONS**, and **ISSUES**. On the right side of the menu, there is a user profile icon labeled **QCTPMS APITESTER**. Below the navigation menu, the main content area is titled **APIs** and features a search bar with the text "Search" and a magnifying glass icon. The **PMS API** section is highlighted, with a yellow box around the **v2** version indicator. The description for the PMS API states: "SPOR API for PMS resources. This service enables the user to view products (MedicinalProduct and other resources) and allows the user to search for products on the provided search criteria. The full data for a medicinal product is split across several FHIR resources, with linkages between them (FHIR references). FHIR endpoints and services are normally single resource specific." Below this, there are sections for **PMS API (Direct Write)** and **SMS API (Read)**, each with their own descriptions and versioned links (v2). The **SMS API (Write)** section is also visible at the bottom of the page.

As an example, if you look for the operation `MedicinalProductDefinition - Search for a MedicinalProductDefinition` resource or resources, the corresponding screen shows the essential information as the URL and parameters that can be passed as part of the request.

The screenshot shows the SPOR API documentation page for the PMS API (Read) endpoint. The page is titled "PMS API (Read)" and includes a "Try it" button. The main content area displays the endpoint URL: `https://spor-uat.azure-api.net/pms/api/v2/MedicinalProductDefinition?_lastUpdated={string}&_id={string}&identifier={string}&name={string}&name-language={string}&domain={string}&type={string}&product-classification={string}&contact={string}&master-file={string}`. Below the URL, there is a table of request parameters:

Parameter	Type
<code>_lastUpdated</code> (optional)	string
<code>_id</code> (optional)	string
<code>identifier</code> (optional)	string
<code>name</code> (optional)	string
<code>name-language</code> (optional)	string
<code>domain</code> (optional)	string
<code>type</code> (optional)	string
<code>product-classification</code> (optional)	string
<code>contact</code> (optional)	string

The same page contains also code samples in 8 common programming languages, which will allow you to get started with your own programmatic integration:

Code samples

Code samples are available for Curl, C#, Java, JavaScript, ObjC, PHP, Python, and Ruby. The Curl sample is shown below:

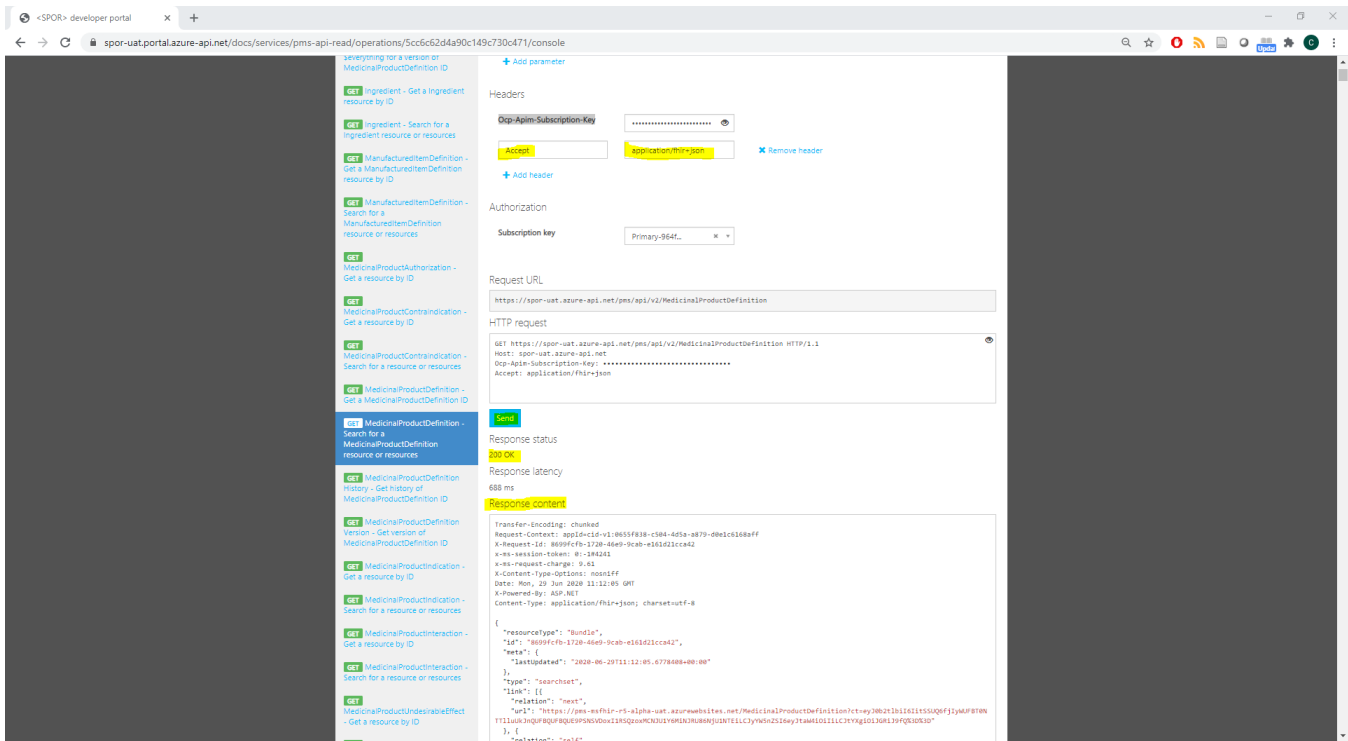
```
@ECHO OFF

curl -v -X GET "https://spor-uat.azure-api.net/pms/api/v2/MedicinalProductDefinition?_lastUpdated={string}&_id={string}&identifier={string}&name={string}&name-language={string}&domain={string}&type={string}&product-classification={string}&contact={string}&master-file={string}"
-H "Ocp-Apim-Subscription-Key: {subscription key}"

--data-ascii "{body}"
```

You can then click on the button [Try it](#) in order to configure a request to be sent to the server. Make sure that the mandatory header parameter `Ocp-Apim-Subscription-Key` is pre-populated with your API key, and note that as part of the example I have added a second header parameter for the content type of the returned response, by using the `Accept` header name and the value `application/fhir+json`.

After clicking on the button [Send](#), you will see the http response status and the response content filled out by the system.



2 SPOR API version 1

The specifications for the SPOR API version 1 support the operations on referentials (RMS) and organisations (OMS).

2.1 Registration

In order to have the roles required to access our UAT environment, follow the steps:

Step 1: Create an account in the self-registration platform <https://register-test.ema.europa.eu/>;

Step 2: Create a ticket to the EMA service desk (<https://servicedesk.ema.europa.eu/>) to request *all the roles that are required to access the SPOR API v1 in the SPOR UAT environment*. You do not need to specify the individual roles, the service desk knows which ones they are;

2.2 Network access (for parties outside EMA)

Create a ticket to the EMA service desk (<https://servicedesk.ema.europa.eu/>) to request that your source domain is added to the list of allowed domains to access the SPOR API v1 in the SPOR UAT environment.

2.3 Verify your access

In order to verify your access to the SPOR API v1 in our UAT environment, you can execute the following request, using your **ECD** account:

2.3.1 RMS

Request the details of term with id 100000000013 in list 100000000004

```
curl -u <your_account_name>:<your_password> -k https://spor-uat.ema.europa.eu/v1/lists/100000000004/terms/1000000000013
```

The response was formatted for readability.

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<term-details xmlns="http://ema.europa.eu/schema/spor" xmlns:spor="http://ema.europa.eu/schema/spor" schema-
version="2.0">
  <controlled-term spor:rowid="20252">
    <term-id id="100000000013">
      <link href="http://spor-uat.ema.europa.eu/v1/lists/100000000004/terms/100000000013" />
    </term-id>
    <term-names>
      <term-name>
        <name translation-status-code="CURRENT" modified-on="2007-08-08T12:09:33Z" lang="en" translation-id="
20006">Veterinary use</name>
      </term-name>
      <term-name>
        <name translation-status-code="CURRENT" modified-on="2010-06-10T09:27:31Z" lang="de" translation-id="
20009">Anwendung am Tier</name>
      </term-name>
    </term-names>
    <short-names>
      <short-name>
        <name translation-status-code="CURRENT" modified-on="2007-08-08T12:09:33Z" lang="en" translation-id="
20007">V</name>
      </short-name>
      <short-name>
        <name translation-status-code="CURRENT" modified-on="2010-06-10T09:27:31Z" lang="de" translation-id="
20010">V</name>
      </short-name>
    </short-names>
    <status code="CURRENT" modified-by="ema" modified-on="2007-08-16T10:22:30Z" spor:rowid="20502" />
    <operational-attributes version-number="5" modified-on="2018-04-05T12:51:35.605Z" created-on="2007-07-27T07:
04:43Z" />
    <visibility code="PUBLIC" />
    <domains>
      <domain id="100000000014" name="Human and Veterinary use" short-name="H&V" status="CURRENT" spor:rowid="
20311">
        <link href="http://spor-uat.ema.europa.eu/v1/lists/100000000004/terms/100000000014" />
      </domain>
    </domains>
    <other-names>
      <other-name>
        <name translation-status-code="CURRENT" modified-on="2010-06-10T09:27:31Z" lang="de" translation-id="
20008">Veterinaer</name>
      </other-name>
    </other-names>
    <terms-link>
      <link href="http://spor-uat.ema.europa.eu/v1/lists/100000000004/terms" />
    </terms-link>
    <terms-summaries-link>
      <link href="http://spor-uat.ema.europa.eu/v1/lists/100000000004/term-summaries" />
    </terms-summaries-link>
    <list-reference id="100000000004" name="Domain" status="CURRENT">
      <link href="http://spor-uat.ema.europa.eu/v1/lists/100000000004" />
    </list-reference>
  </controlled-term>
</term-details>
```

2.3.2 OMS

Request the details the organisation with id ORG-100013412

```
curl -u <your_account_name>:<your_password> -H 'Accept: application/json' -k https://spor-uat.ema.europa.eu/v1
/organisations/ORG-100013412
```

The response was formatted for readability.

Response

```
{
  "organisation": {
    "schema-version": "2.0",
    "query-timestamp": "2020-07-20T12:12:03.326",
    "query-link": "http://spor-uat.ema.europa.eu/v1/organisations",
    "operational-attributes": {
      "created-on": "2018-11-20T18:13:39.662+01:00",
      "modified-on": "2020-04-20T16:36:58.993+02:00"
    },
  },
  "organisation-id": {
    "id": "ORG-100013412",
    "link": {
      "rel": "self",
      "href": "http://spor-uat.ema.europa.eu/v1/organisations/ORG-100013412"
    }
  },
  "active-request": "false",
  "identifiers": {
    "identifier": {
      "code-system": "100000167446",
      "code-system-name": "OMS Organisation Identifier",
      "code": "ORG-100013412"
    }
  },
  "mappings": null,
  "category-classifications": {
    "category-classification": [
      {
        "category-type": {
          "code-system": "RMS_ID",
          "code-system-name": "Lkp Party Category Type",
          "code": "200000000073",
          "display-name": "Type"
        },
        "category": {
          "code-system": "RMS_ID",
          "code-system-name": "Type",
          "code": "200000000084",
          "display-name": "Regulatory Authority"
        }
      },
      {
        "category-type": {
          "code-system": "RMS_ID",
          "code-system-name": "Lkp Party Category Type",
          "code": "200000000073",
          "display-name": "Type"
        },
        "category": {
          "code-system": "RMS_ID",
          "code-system-name": "Type",
          "code": "200000000086",
          "display-name": "EU Institution/Body/Agency"
        }
      }
    ]
  },
  "status": "ACTIVE",
  "name": "European Medicines Agency",
  "locations": {
    "location": [
      {
        "location-id": {
          "id": "LOC-100018793",
          "link": {
            "href": "http://spor-uat.ema.europa.eu/v1/locations/LOC-100018793"
          }
        }
      }
    ]
  }
}
```

```
    },
    {
      "location-id": {
        "id": "LOC-100020260",
        "link": {
          "href": "http://spor-uat.ema.europa.eu/v1/locations/LOC-100020260"
        }
      }
    },
    {
      "location-id": {
        "id": "LOC-100020264",
        "link": {
          "href": "http://spor-uat.ema.europa.eu/v1/locations/LOC-100020264"
        }
      }
    }
  ]
},
"version-timestamp": "2020-04-20T16:36:58.993+02:00"
}
```