### Important note about API key

Accessing CDISC Library API without an API key will result in HTTP 401 (Access Denied). A message similar to the following will appear in the response payload:

```json
{
   "statusCode": 401,
   "message": "Access denied due to missing subscription key. Make sure to include subscription key when making requests to an API."
}
```

### Instruction Table

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<td>1</td>
<td>Obtain a CDISC Library account and set up initial password</td>
<td>For details, refer to <a href="https://www.cdisc.org/cdisc-library/getting-started">https://www.cdisc.org/cdisc-library/getting-started</a></td>
<td>Users can alternatively access the API Management Developer Portal through the Data Standards Browser's gear icon.</td>
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<td>2</td>
<td>Navigate web browser to the API Management Developer Portal at <a href="https://api.developer.library.cdisc.org/signin">https://api.developer.library.cdisc.org/signin</a>.</td>
<td><img src="https://api.developer.library.cdisc.org/signin" alt="Sign in" /></td>
<td>Access to CDISC Library is a benefit of CDISC Membership. If you do not already have a CDISC Library account, please log in to your account or create an account on the CDISC website and then visit the CDISC Library Account Request Form. Note: A CDISC Library Account has different credentials from an account on <a href="http://www.cdisc.org">www.cdisc.org</a>. Visit CDISC Library for additional information.</td>
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<td>3</td>
<td>Enter same credentials as you would for CDISC Library Data Standards Browser. Click Sign In.</td>
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<td>4</td>
<td>Select API Key from top navigation menu.</td>
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5. Verify CDISC Library API is listed as a product under the Subscription section.

6. Click “Show” (of either primary or secondary key) to reveal a system-generated API key assigned to your CDISC Library account.

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An API key is a 32-byte hexadecimal value. A fictitious key looks like this: abcdedef0123456789abcdef0123456789.
1. Compose an CDISC Library API query to this specification:

- **Base URL:** https://library.cdisc.org/api
- **Endpoint:** /mdr/products
- **Authentication header:**
  - **Key:** api-key
  - **Value:** {32-byte API key}

   **Screen capture using Postman, with a fictitious API key:**

   ![Postman API call](image)

   **Example curl command, with a fictitious API key:**

   ```bash
   curl -X GET https://library.cdisc.org/api/mdr/products 
     -H "Accept: application/json" 
     -H "api-key: abcdef0123456789abcdef0123456789"
   ``

   **Example SAS code with a fictitious API key, using v9.4 and SAS OnDemand for Academics:**

   ```sas
   filename response TEMP;
   proc http
     url="https://library.cdisc.org/api/mdr/products"
     out=response;
     headers /* Use request header to specify API key authentication */
       "api-key"="abcdef0123456789abcdef0123456789";
   run;
   data _null_;
     infile response;
     input;
     put _infile_;
   run;
   ```

2. Execute query.

**Sample response in JSON**

```json
{
  "_links": {
    "data-analysis": {
      "_links": {
        "adam": [
          {
            "href": "/mdr/adam/adam-2-1",
            "title": "Analysis Data Model Version 2.1",
            "type": "Foundational Model"
          },
          {
            "href": "/mdr/adam/adam-adae-1-0",
            "title": "Analysis Data Model Data Structure for Adverse Event Analysis Version 1.0",
            "type": "Implementation Guide"
          },
          ...
        ],
        "self": {
          "href": "/mdr/products/DataAnalysis",
          "title": "Product Group Data Analysis",
          "type": "CDISC Library Product Group"
        }
      }
    }
  },
  ...
}
```
Obtain API usage metrics from https://api.developer.library.cdisc.org/reports.

Sign in

Click the button below to initiate the sign in process.

Sign in

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