1. Obtain a CDISC Library account and set up initial password. For details, refer to [https://www.cdisc.org/cdisc-library/getting-started](https://www.cdisc.org/cdisc-library/getting-started)


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**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:

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

---

<table>
<thead>
<tr>
<th>#</th>
<th>Instruction</th>
<th>Screenshot</th>
<th>Remarks</th>
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<tr>
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<td>Obtain a CDISC Library account and set up initial password. For details, refer to <a href="https://www.cdisc.org/cdisc-library/getting-started">https://www.cdisc.org/cdisc-library/getting-started</a></td>
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<tr>
<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="Sign_in.png" alt="Sign in" /></td>
<td>Users can alternatively access the API Management Developer Portal through the Data Standards Browser's gear icon.</td>
</tr>
</tbody>
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**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 [www.cdisc.org](http://www.cdisc.org).

Visit CDISC Library for additional information.
3. Enter the same credentials you would for CDISC Library Data Standards Browser. Click Sign In.

4. Select API Key from the top navigation menu.

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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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<tbody>
<tr>
<td><strong>Account details</strong></td>
</tr>
<tr>
<td>Email</td>
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<tr>
<td>First name</td>
</tr>
<tr>
<td>Last name</td>
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<tr>
<td>Registration date</td>
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<table>
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<tr>
<td>Subscription details</td>
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</tr>
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<td>Primary key</td>
</tr>
<tr>
<td>Secondary key</td>
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</tbody>
</table>

An API key is a 32-byte hexadecimal value. A fictitious key looks like this: abcdedef0123456789abcdef0123456789.
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}

Example curl command, with a fictitious API key:

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;
```

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.

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