

MISO Data Exchange User Guide

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1. Introduction

MISO Data Exchange comprises APIs (Application Programming Interfaces) that enable users to access MISO market report data for use in their own applications. MISO has historically offered reports comprising analysis and status of market operations.

With the launch of the APIs in the MISO Data Exchange, users now have an endpoint from which to collect and consume data in the way that best serves them.

This guide is intended to provide an overview of how to access and begin using the MISO Data Exchange.

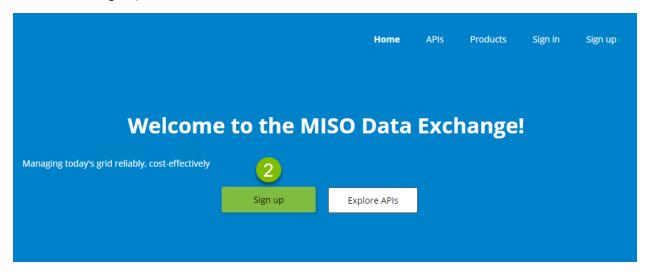
2. Requirements

 A MISO website account is required to create a Data Exchange account. If you do <u>not</u> have an account on the MISO website, refer to the steps in <u>this Knowledge Article</u> to create one.

3. How to Access the Data Exchange

To access the Data Exchange, you must create an account on the Data Exchange site.

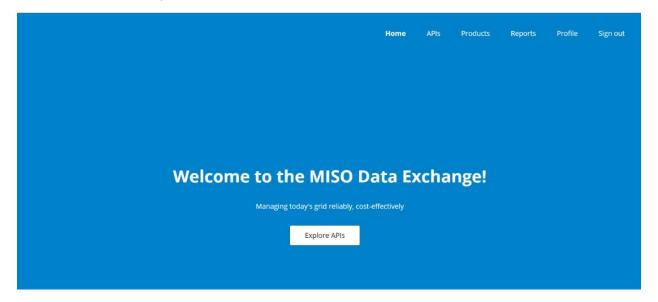
- 1) Navigate to https://data-exchange.misoenergy.org.
- 2) Click Sign up.



3) Enter the username and password associated with your MISO website account and click **Sign In**.

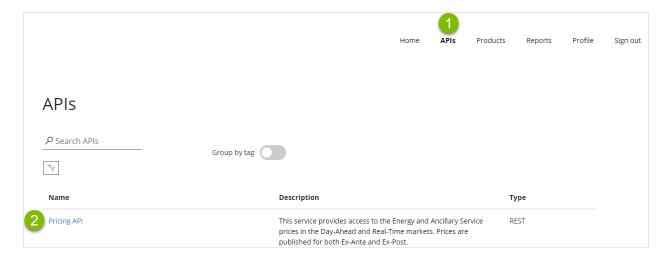


4) This will authenticate you, create a linked account in APIM (MISO's Authentication Service) and log you in.

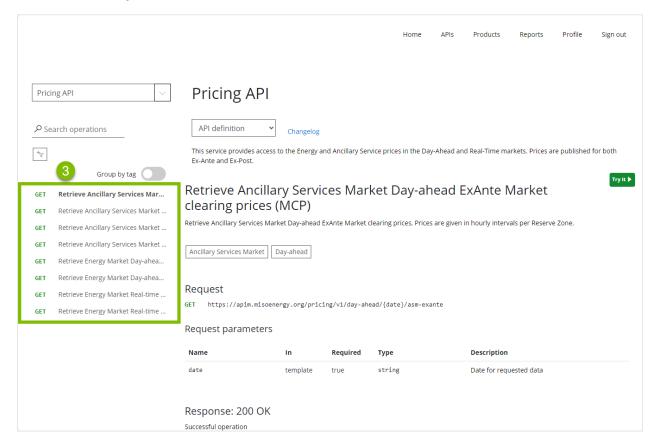


4. How to Locate the APIs

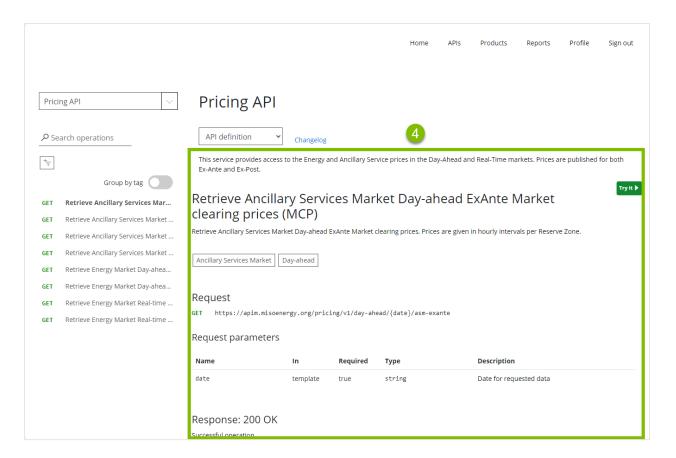
- 1) Click the APIs tab within the Data Exchange menu bar to view the list of APIs.
- 2) Click the **name** of an API.



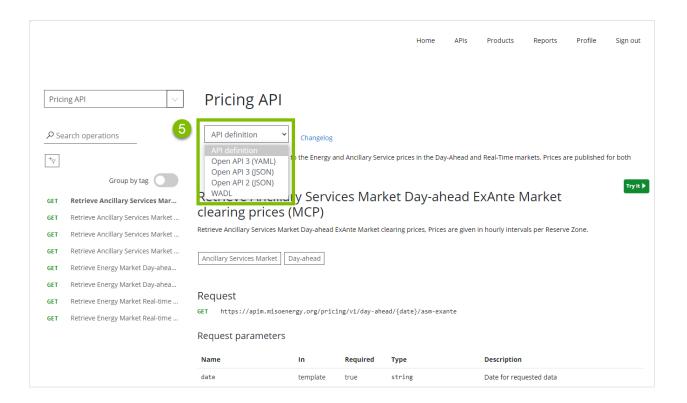
3) Click an operation from the list on the left to view details.



4) The API page provides information including a description, request parameters, possible responses and their meanings, and definitions.



- 5) You can view API specifications from the API definition dropdown. API specifications are available as one of the following:
 - Open API 3 (YAML)
 - Open API 3 (JSON)
 - Open API 2 (JSON)
 - WADL



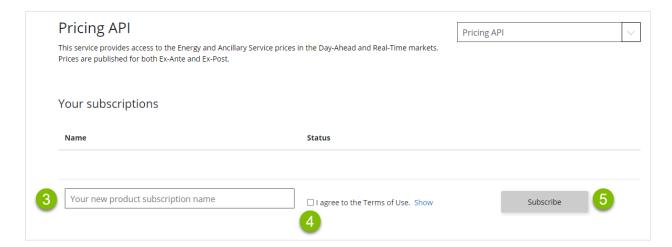
5. How to Subscribe to an API

MISO values the security of authentication. In order to access an API, you must have a subscription to it. Once subscribed, you are assigned a subscription key which allows you to programmatically query the API. This allows you to get the data you need without downloading reports and writing programs to consume a variety of report formats (.xlsx, csv, pdf).

- 1) Click the **Products** tab within the Data Exchange menu bar.
- 2) Select the desired API Name.



- 3) Enter your desired subscription name.
- 4) Click the I agree to the Terms of Use checkbox.
- 5) Click Subscribe.



6) You will receive an email confirming your subscription.

Thank you for subscribing to the Pricing API and welcome to the MISO developer community. We are delighted to have you as part of the team and are looking forward to the amazing applications you will build using our API!

Below are a few subscription details for your reference:

Start date: 2/22/2024

Subscription term: MISO MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND EXPRESS OR IMPLIED WITH RESPECT TO THE ACCURACY OR ADEQUACY OF THE INFORMATION CONTAINED HEREIN. MISO SHALL HAVE NO LIABILITY TO RECIPIENTS OF THIS INFORMATION OR THIRD PARTIES FOR THE CONSEQUENCES ARISING FROM ERRORS OR DISCREPANCIES IN THIS INFORMATION FOR RECIPIENTS' OR THIRD PARTIES' RELIANCE UPON SUCH INFORMATION OR FOR ANY CLAIM LOSS OR DAMAGE OF ANY KIND OR NATURE WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH (i) THE DEFICIENCY OR INADEQUACY OF THIS INFORMATION FOR ANY PURPOSE WHETHER OR NOT KNOWN OR DISCLOSED TO MISO (ii) ANY ERROR OR DISCREPANCY IN THIS INFORMATION (iii) THE USE OF THIS INFORMATION OR (iv) ANY LOSS OF BUSINESS OR OTHER CONSEQUENTIAL LOSS OR DAMAGE WHETHER OR NOT RESULTING FROM ANY OF THE FOREGOING.

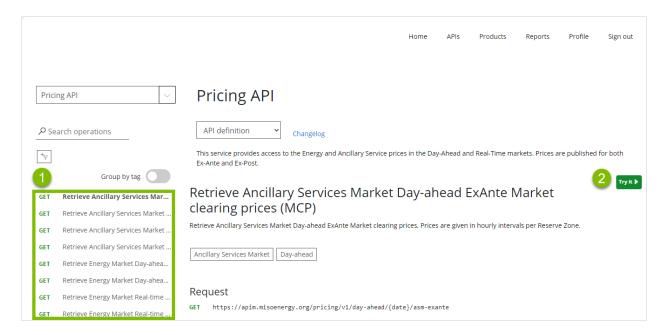
Visit the developer profile area to manage your subscription and subscription keys

- 7) To view your subscription details, including keys, click the **Profile** tab within the menu bar.
- 8) Click **Show** to reveal your subscription key.

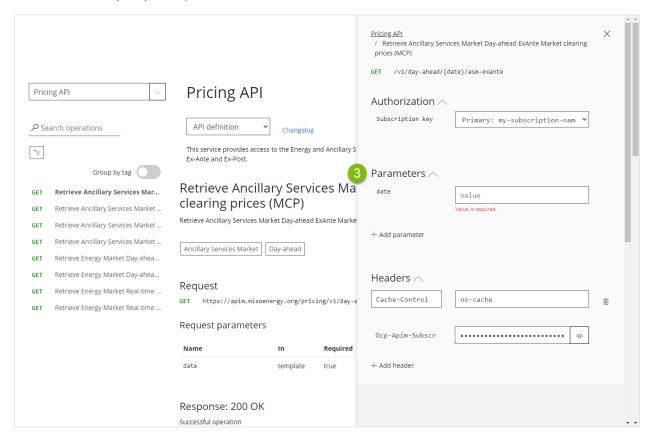


6. How to Try an API

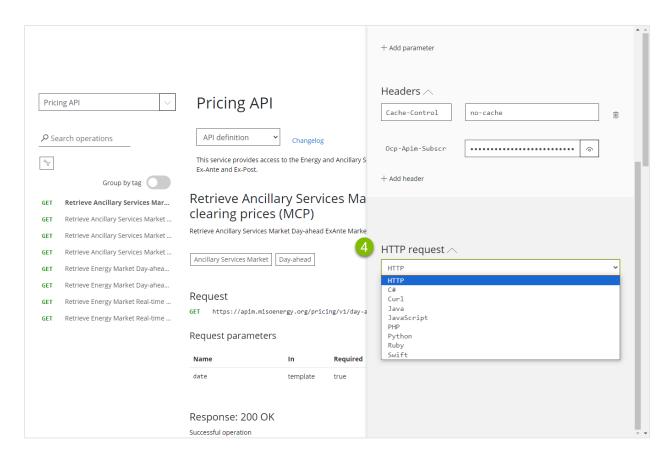
- 1) From within the API page, select an **operation** on the left-hand side.
- 2) Select Try it.



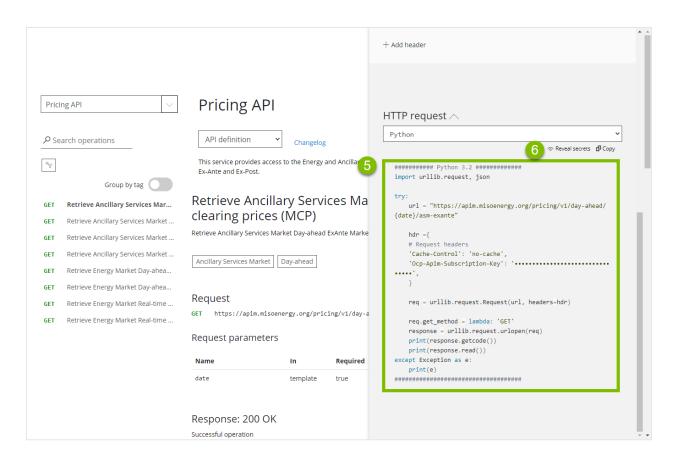
3) Enter any required parameters.



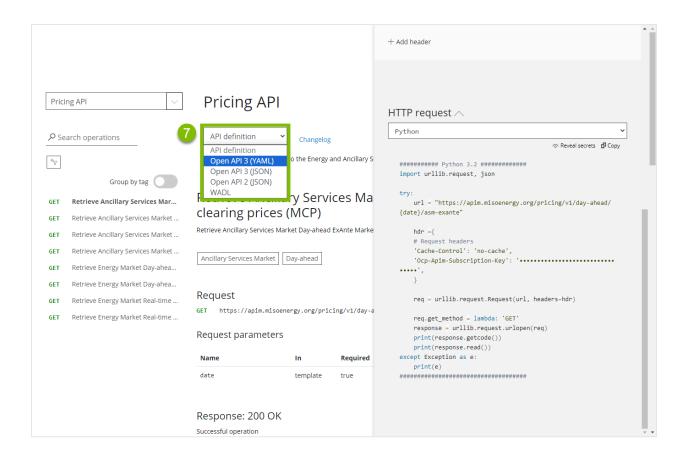
4) Select the desired language from the HTTP request dropdown.



- 5) **Example code** showing developers how to format their requests for calling (accessing) the API will appear.
- 6) Click **Reveal secrets** to reveal your subscription key in the example code.



7) Developers can find all the details for API endpoints by accessing the **API definition dropdown**. Select a preferred format to download it for easy reference while coding.



7. Who to Contact for Support

For questions or assistance, please submit a case through the <u>MISO Help Center</u>. When creating your case, select System or Technical Issues for the case category, IT Operations Center for the case type, and Public Data Reports and APIs for the case sub-type.

