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**PRISMS APIM Developer Portal User Guide**

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# **PREFACE**

## **Purpose**

The purpose of this user guide is to provide practical guidance on the definitions, basic standards, and concepts related to the Developer Portal and give you an insight on all the available functions.

**Intended Audience**

The following are the intended audience:

**Role Responsibility**

Developers Work with APIs to build applications

Provide feedback on the APIs

# **1 Introduction**

The PRISMS Developer Portal is a platform that enables your development teams to understand, create, debug, and test your application’s integration with the PRISMS API’s. The portal contains documentation on using the APIs as well as OpenAPI (or swagger) definitions of those APIs. Finally, the portal manages your developer registration, subscription, API subscription keys and API consumption.

Note, after your developers have signed up and signed into the developer portal, they will need to create a subscription key before being able to authenticate and consume the PRISMS APIs.

# **2 Portal Signup**

You will receive an email invitation after you have been invited to access the developer portal. This email will contain a link. Click on the link to accept the invitation. You will be asked to reset your password. Your password must meet the following complexity requirements:

Refer to [www.cyber.gov.au](http://www.cyber.gov.au) for more detail:

* Create long passphrases – at least 14 characters in total.
* Create unpredictable passphrases – random mix of unrelated words.
* Create unique passphrases – use modifiers for each valuable account.

# **3 About Profile**

Using the profile page, you will be able to change your password, your account information and manage your subscription keys.

To navigate to the profile page, proceed as follows:

1. On the home page, click the arrow adjacent to your name and click Profile. The Profile page appears.
2. To change the password, click Change password. Refer to section above re passphrase complexity for new passwords.
3. To change the account information, click Change name information.
4. To know the usage and health of the APIs, click Reports. You can manage the product subscriptions using this Productivity option.
5. To cancel the subscription for the product, click Cancel against the respective product.
6. To close the developer portal account, click Close account.

# **4 Product Subscription**

APIs are organized by Products. Products are simply a grouping of related APIs. To be able to access and test API functionality, the correct products have already been assigned to you.

## **4.1 Accessing a Product and Product APIs**

You can access the products you have access to on the home page from the API Product Catalogue section, or from the Products tab on the top menu of the home page.

You will have access to the “Staging – Providers” product and associated APIs.

To know more about this product:

1. Click **Staging – Providers**. The product page will display. This product page contains the product description and information about the APIs associated with the product. Click on **Agree to Terms of Use** and **Subscribe.**
2. Click “View APIs” link to view the list of APIs available for the product.

# **4.2 Subscriptions**

To access the provider APIs, you will need to create a subscription key.

Software vendors can create multiple subscription keys if required. There is a limit of 10 subscription keys. The subscription key will need to be sent in the header of your API request. See APIM Developer Portal Guide for more details.

For reference, the header name is **Ocp-Apim-Subscription-Key.**

# **5 Working with APIs**

In order to access an API, you must create at least one subscription key. These keys will be linked to your account and should be linked to the “Staging – Providers” product.

Once you have your subscription key and Identity artefacts, you will be able to call an API for testing.

## **5.1 Accessing APIs**

You can access the APIs in two ways:

* On the home page, click the Products tab, click the VIEW APIS link of the required product, and click the API on which you wish to perform the operation.
* On the home page, click APIS tab and click the API on which you wish to perform the operation.

## **5.2 The API Page**

The API page consists of the following components:

· Endpoints

· API Description

· Request URL

· Request Parameters

· Request Headers

· Request Body

· Responses

Note: Only the post method contains the request body section

|  |  |
| --- | --- |
| **Component** | **Description** |
| EndPoints | The endpoint of an API is the URL that represents an object or collection of objects. Every dataset and individual data record has its own endpoint. Using this endpoint, you will point the HTTP client to interact with data resources.  The different endpoint options available for the API are:   * GET * POST * PUT * DELETE   These endpoints provide a path that uniquely identifies a resource. |
| API Description | Describes the functioning of the API. |
| Request URL | Provides the URL address to be exposed to call the API |
| Request Parameters | Provides an array of key-value pairs to be sent as GET parameters |
| Request Headers | Provides an array of header key-value pairs to be sent as header parameters |
| Request Body | Provides an array of key-value pairs to send as body (POST) parameters |
| Responses | Provides an array of key-value pairs of expected response values |
|  |  |

## **5.3 Using APIs**

You can work with the APIs using:

* TRY IT

**Note**: Working with APIs is possible only if you have a valid subscription to the API and have appropriate identity artefacts configured.

## **5.3.1 TRY IT**

TRY IT is a functionality that allows you to work with APIs on the portal itself.

To do so, proceed as follows:

1. On the API page, click the method you want to work with from the list of endpoints.

2. Click **TRY IT**.

3. On the **TRY IT** page, you can modify the query parameters, header, and authorization values based on your requirement.

1. Some APIs may have an additional authorization field called OAuth. OAuth is a web standard protocol that passes end user information such as id, dealer affiliation, and so on to the API to control data access.
2. If there is an OAuth field, you must select the Cat CWS field value as **Authorization code** and this may prompt you for a CWS login.
3. For all services that has OAuth enabled, you must select the Authorization code, otherwise the TRY IT functionality does not work.
4. You can view the formatted **Request URL** and **HTTP Request**.
5. Click **Send** to execute the API. The results of the request are displayed in the response section.

# **6 Glossary**

Some of the terms used in the guide are defined as below:

|  |  |
| --- | --- |
| **Term** | **Definition** |
| PRISMS | Provider Registration and International Student Management System |
| API | Application Programming Interface |
|  |  |