



WHITE PAPER

Product data API in PIR

This document contains information about the PIR API functionality in TRIMIT Portals BC13r2

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INTRODUCTION

This document describes the scenarios when TRIMIT PIR provides access to product information, like product and variant images and descriptions, from third party websites. By using API user token it is possible to access product information saved in TRIMIT PIR without user authentication.

The functionality described is the functionality as of **TRIMIT Portals BC13r2** and the following Portal versions.

The pictures in this White Paper are based on the demo database for **TRIMIT 23.1**, which is based on Microsoft Dynamics 365 Business Central 2023 Release Wave 1, in the demo company **CRONUS TRIMIT W1 Ltd.** (based on CRONUS International Ltd. of Microsoft Dynamics 365 Business Central).

PRODUCT DATA API

This chapter contains information about the setup of API in TRIMIT PIR.

SETUP

To show product images and related data on a third-party website – it is possible to use API functionality in TRIMIT PIR portal.

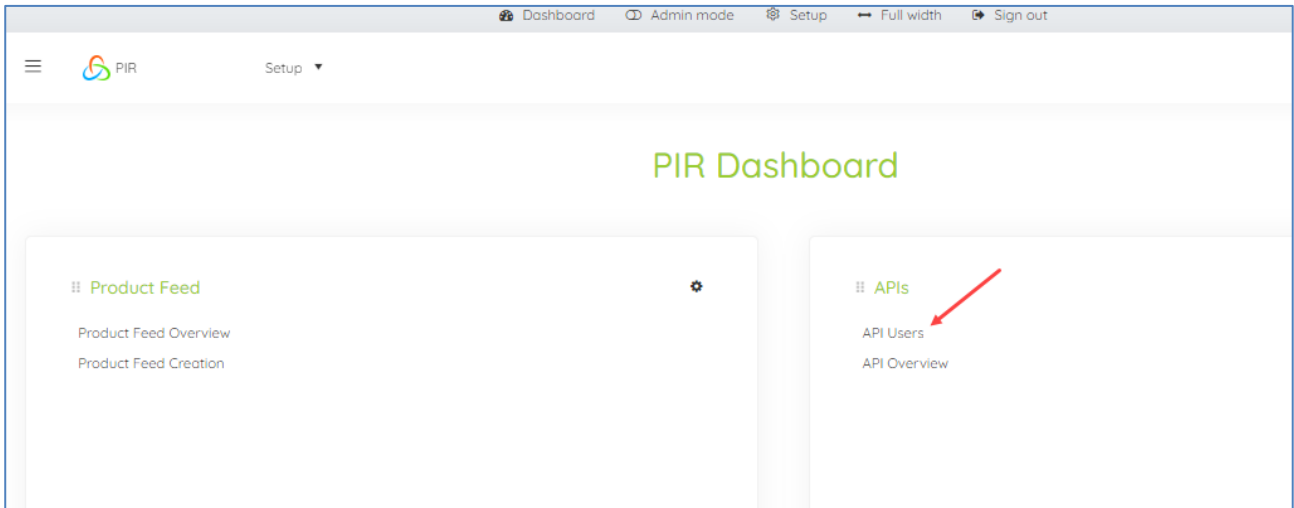
For example, calling this specific URL, adjust your domain name accordingly:

<https://websitename/pir/api/product.json?master=2000> (or whatever master number) – you can get the following data (in your environment the data outcome can be different):

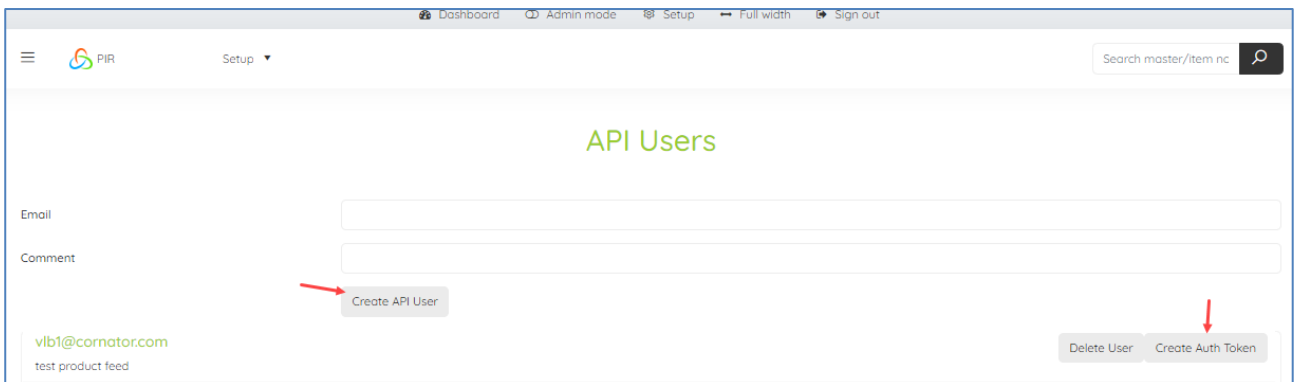
```
{
  "masterNo": "2000",
  "description": "Olivia Trousers",
  "masterImages": [
    "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000.jpg"
  ],
  "variants": [
    {
      "variant": "20",
      "description": "Royal Blue",
      "images": [
        "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000-20_1.jpg",
        "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000-20.jpg"
      ]
    },
    {
      "variant": "25",
      "description": "Navy",
      "images": [
        "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000-25.jpg"
      ]
    },
    {
      "variant": "30",
      "description": "Yellow",
      "images": [
        "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000-30.jpg"
      ]
    },
    {
      "variant": "35",
      "description": "Orange",
      "images": [
        "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000-35.jpg"
      ]
    },
    {
      "variant": "60",
      "description": "Forest Green",
      "images": [
        "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000-60.jpg"
      ]
    },
    {
      "variant": "70",
      "description": "Red",
      "images": [
        "https://vlb-test.trimitdemo.com/en/pir/products/2000/2000-70.jpg"
      ]
    }
  ]
}
```

USER TOKEN

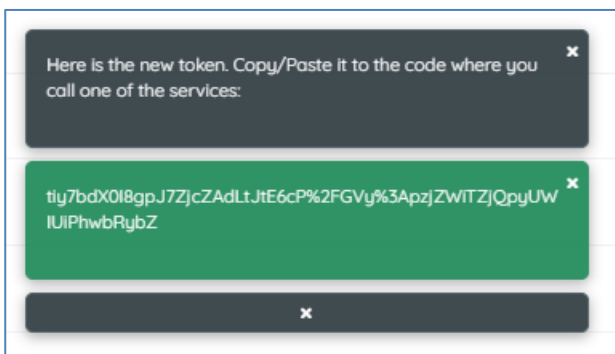
By adding a user token to the URL – it will be possible to view this data without authentication.
For example, in *PIR*, dock *APIs*, *API Users*:



Create a new user by filling email field (it should not already exist in the portals DB), add any comment and click **Create API User**:



Then, after clicking **Create Auth Token** – there comes a green box with symbols. Copy those symbols:



And then take the URL which is mentioned above:

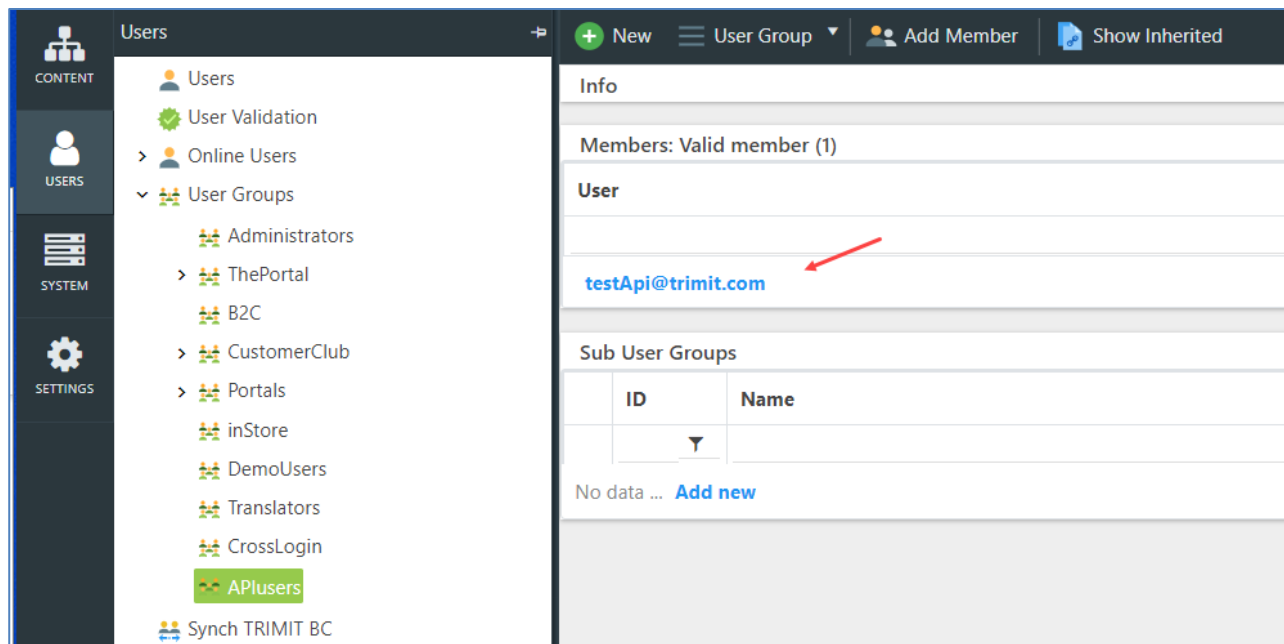
<https://websitename/pir/api/product.json?master=2000> and add this token like this:

https://websitename/pir/api/product.json?master=2000&auth_token=tiy7bdX0l8gpJ7ZjcZAdLtJtE6cP%2FGVy%3ApzjZWITZjQpyUWUIPhwbRybZ

This will allow showing product info (e.g. images) without authentication.

APIUSERS GROUP IN MODELYN

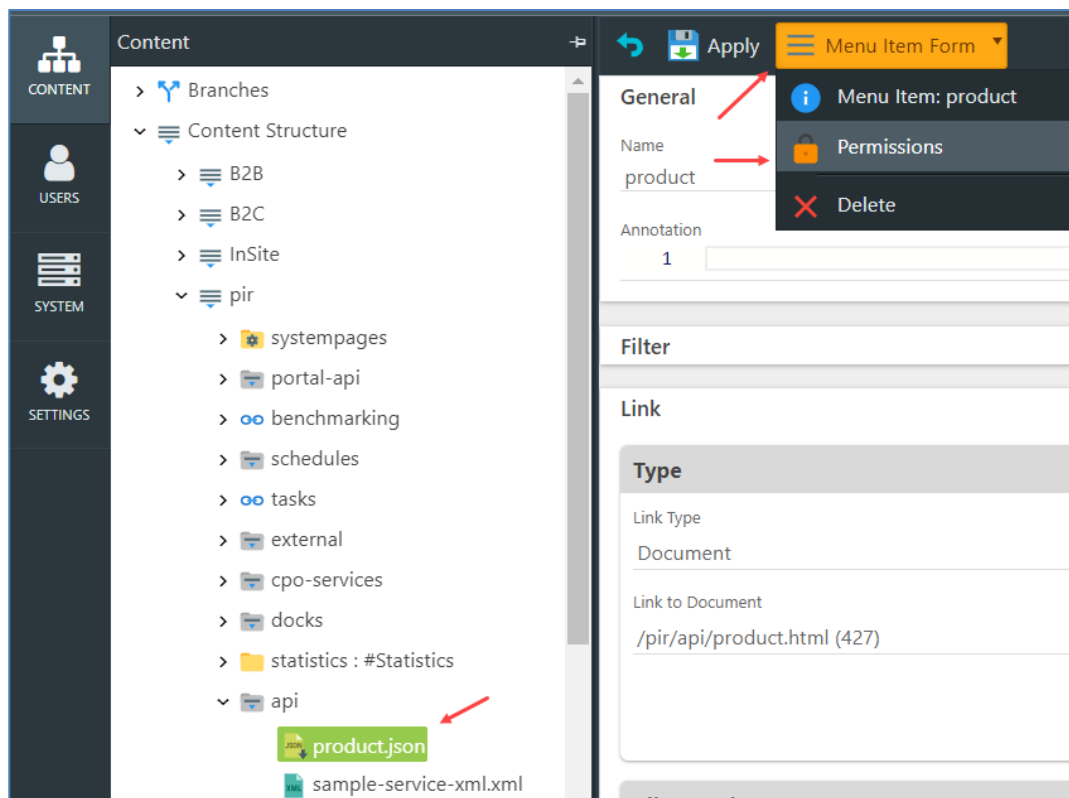
After API user is created in PIR it will be reflected in *APIusers* user group under *Users* in Modelyn:



The screenshot shows the 'Users' section in the Modelyn interface. On the left sidebar, the 'Users' menu is selected. The main panel displays a list of user groups under 'User Groups'. The 'APIusers' group is highlighted in green. A red arrow points to the 'APIusers' group in the list. The right panel shows the 'Info' tab for the 'APIusers' group, indicating it has 1 valid member. The member list shows a user with the email 'testApi@trimit.com', which is also highlighted by a red arrow.

APIUSERS GROUP PERMISSIONS

To see which permissions do the members of the APIusers user group have, go to *Content/Content Structure/PIR/api/* and right click on **product.json** and select *Properties*. Then click *Menu Item Form* and select *Permissions*:



The screenshot shows the 'Content Structure' section in the Modelyn interface. The left sidebar shows the 'Content Structure' menu. The main panel displays a tree view of the content structure. The 'api' folder is expanded, and the 'product.json' file is highlighted in green. A red arrow points to the 'product.json' file. The right panel shows the 'Menu Item Form' for the 'product' menu item. The 'Permissions' tab is selected, and the 'Permissions' section is visible. A red arrow points to the 'Permissions' tab. The 'Link' section shows the link type 'Document' and the link to the document '/pir/api/product.html (427)'.

Now it is possible to see what permissions are granted to an API user:

CONTENT

USERS

SYSTEM

SETTINGS

Content

> Branches

> Content Structure

> B2B

> B2C

> InSite

> pir

systempages

portal-api

benchmarking

schedules

tasks

external

cpo-services

docks

statistics : #Statistics

api

product.json

sample-service-xml.xml

sample-service-json.json

Permission on Menu Item (product) for Self

Clone

Type

Active Permission

Info	Type ^ 1	Name ^ 2	Permissions
Inherited	BuiltIn	Everyone	Info
Inherited	BuiltIn	Owner	Info, Read Published, Create Draft, Update Draft, Delete Draft
Inherited	UserGroup	APIusers	Info, Read Published
Inherited	UserGroup	Editors	Info, Read Published, Read Drafts, Create Draft, Create Publish

Synchronize Permissions to Content

Add / Modify

Type

Role Type

Built-In

General Type

Everyone

SET PERMISSION

Name

Type: Info

Info

Type: Read

Read Published