

DIETEX PUBLIC CONSULTATION GUIDE

DRAFT

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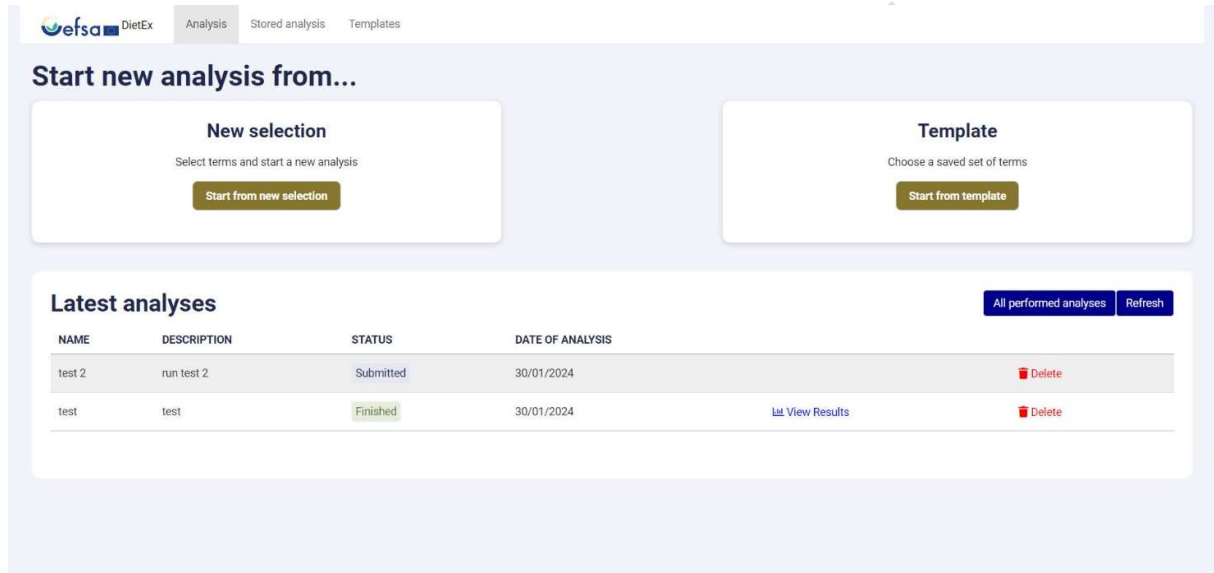
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DIETEX PUBLIC CONSULTATION GUIDE

FRONTEND

1 START SCREEN

When you launch the app, the first thing you'll encounter is the start screen.



On this screen, you have several options:

- Start a new analysis from a new selection
- Start a new analysis from a template
- Open or delete existing analyses

2 STARTING A NEW ANALYSIS FROM A NEW SELECTION

Clicking on the "Start from new selection" button takes you to the screen where you can choose the required FoodEx2 items:

efsa DietEx Analysis Stored analysis Templates

New Analysis

Run analysis with parameters below

Execute

Hierarchy

Snapshot version
Version valid from 10/2023 - 10/2023

Available
Search Tree

Food Items

- Grains and grain-based products [A000J] [Level 1]
- Vegetables and vegetable products [A00FJ] [Level 1]
- Starchy roots or tubers and products thereof, sugar plants [A00ZR] [Level 1]
- Legumes, nuts, oilseeds and spices [A011X] [Level 1]
- Fruit and fruit products [A01BS] [Level 1]
- Meat and meat products [A01QR] [Level 1]
- Fish, seafood, amphibians, reptiles and invertebrates [A026T] [Level 1]
- Milk and dairy products [A02LR] [Level 1]
- Eggs and egg products [A031E] [Level 1]
- Sugar and similar, confectionery and water-based sweet desserts [A032F] [Level 1]
- Animal and vegetable fats and oils and primary derivatives thereof [A036M] [Level 1]
- Fruit and vegetable juice and nectars (including concentrates) [A030K1] [Level 1]

Select substance

Substance
Butorides striatus

My Selection

You have two ways to find FoodEx2 items: you can navigate through the hierarchical tree and select items by clicking checkboxes, or you can use the search field. When you select an item, all of its children will also be selected, but only the highest completely selected item will be considered. Selecting all children of a specific item will automatically select the parent, and only this parent will be taken into account. The search field allows you to search by words, level, and code. Your selections will appear on the right side of the screen. Additionally, you can select a substance on the right side of the screen. Once you've chosen all necessary parameters, click "Execute" to proceed.

On the following screen, the selected items will be listed, and you'll need to specify the amount and unit of measurement for each item. You can also remove a FoodEx2 item if desired.

efsa DietEx Analysis Stored analysis Templates

Execute analysis

Execute the analysis or save it as template

Save as template **Run analysis**

Name

Description

Included food terms

Snapshot version
Version valid from 10/2023 - 10/2023

TERMS	VALUE	UNIT OF MEASURE	DELETE
1	Grains and grain-based products [A000J] [Level 1]	value 100	Unit Of Measure Milligram/100 gram <input type="text"/> Delete
2	Starchy roots or tubers and products thereof, sugar plants [A00ZR] [Level 1]	value .20	Unit Of Measure Milligram/100 gram <input type="text"/> Delete

Substance:
Choloepus hoffmani

Previous Next

In the two top fields, you must enter a name and description to store the analysis in your account. After that, you can choose to save it as a template or run the analysis using the buttons at the top left. If you opt to save it as a template, you'll need to provide a name and description for the template, which can be the same or different from those of your analysis. The saved template will be accessible to create new analyses from. Clicking on "Run analysis" processes the data, and you'll be redirected to the start screen where you can monitor the status of your analysis:

The screenshot shows the 'Analysis' tab in the efsa DietEx interface. It features two main options to start a new analysis: 'New selection' and 'Template'. Below these is a table titled 'Latest analyses' with columns for Name, Description, Status, and Date of Analysis. The table contains three entries: 'demo' (Submitted), 'test 2' (Submitted), and 'test' (Finished). Each entry has a 'Delete' button and the 'test' entry has a 'View Results' link.

NAME	DESCRIPTION	STATUS	DATE OF ANALYSIS	
demo	this is my first demo	Submitted	31/01/2024	Delete
test 2	run test 2	Submitted	30/01/2024	Delete
test	test	Finished	30/01/2024	View Results Delete

The status field can have one of three different values:

- Submitted: Indicates that the analysis is currently running.
- Finished: Indicates that the analysis has been successfully completed.
- Failed: Indicates that the analysis has encountered an error and has failed.

The status will transition from "Submitted" to one of the other two values as soon as the analysis is completed, which may take up to 60 seconds:

efsa DietEx Analysis Stored analysis Templates

Start new analysis from...

New selection

Select terms and start a new analysis

Start from new selection

Template

Choose a saved set of terms

Start from template

Latest analyses All performed analyses Refresh

NAME	DESCRIPTION	STATUS	DATE OF ANALYSIS		
demo	this is my first demo	Finished	31/01/2024	View Results	Delete
test 2	run test 2	Submitted	30/01/2024		Delete
test	test	Finished	30/01/2024	View Results	Delete

Clicking on "View results" in the row of a finished analysis will redirect you to the results page:

efsa DietEx Analysis Stored analysis Templates

View result: demo

back to analyses create new analysis Export to Excel

Info Population summary Consumer summary Whole population Consumers only Food percentual contribution

Info about the analysis

Date: 31/01/2024 00:00:00

Description: this is my first demo

Substance: Choloepus hoffmani

Included Foods

Show 10 entries Search:

	CODE	UNIT	AMOUNT
1	A000J	Milligram/100 gram	100

Showing 1 to 1 of 1 entries Previous 1 Next

Number of surveys per population group

Initially, you'll encounter all the key information about the analysis, such as the date, description, and the selected FoodEx2 items. Following this, you can choose from various other results of the analysis, such as the summary on population or consumer level, the complete results of the entire population or the consumers, and the percentage contribution of each FoodEx2 item:

View result: demo

back to analyses | create new analysis | Export to Excel

Info | Population summary | Consumer summary | Whole population | Consumers only | Food percentual contribution

summary statistics whole population

Show 10 entries

POPULATION GROUP	MIN MEAN MG/KG BW PER DAY	MAX MEAN MG/KG BW PER DAY	MIN 95TH MG/KG BW PER DAY	MAX 95TH MG/KG BW PER DAY	MEAN MG/DAY	MAX MEAN MG/DAY	MIN 95TH MG/DAY	MAX 95TH MG/DAY
1 Infants	1.6877791131716043	9.769476004473802	4.9073358105	25.39664375	15.70903743315508	88.10988956331876	39.356832001	233.2383
2 Toddlers	5.269409144666334	13.20780107026734	9.396560386200001	26.4712428572	52.46332729365714	162.1926149708454	96.6516677	311.345
3 Other children	4.9256139237976	10.54650275065867	7.638893728199999	19.5583969464	91.60816998518364	277.3916328124484	146.0295842701	425.4496666666
4 Adolescents	2.514860433617646	6.330855066291348	4.096999331499999	11.5137973942	133.7773529377043	292.7844971590908	212.3186271	508.0138
5 Adults	2.069807045042702	3.707860558183256	4.0151851853	7.9491935485	154.5550656589512	277.686095566751	292.185	577.5
6 Elderly	1.861253531216154	3.818064795580609	3.5714285715	7.896425872899999	134.8644465648855	294.8936470697168	256.015	592
7 Very elderly	2.364443989489732	3.819188302351948	4.1973674242	7.249811963099999	176.07219715	279.128	308.6963839571999	520.37235
8 Pregnant women	2.239804557138346	3.890938587737563	3.715	7.0408163265	153.260225639098	270.1911255411252	257.3	465
9 Lactating women	2.219881013047693	2.910338087812435	4.9843817202	5.546623794200001	148.9851898818416	185.5875462962963	309.0316666667	340.225
10 Vegetarians	2.842735407024046	2.842735407024046	6.0705263159	6.0705263159	177.701927480916	177.701927480916	373.565	373.565

Showing 1 to 10 of 10 entries

Additionally, you have the option to export these results to an Excel file. Each tab in the Excel file will correspond to a specific set of results:

AutoSave OFF | demoresult (1) - Protected View - Saved to this PC

File | Home | Insert | Page Layout | Formulas | Data | Review | View | Automate | Help | DLW MDM | Acrobat

PROTECTED VIEW | This file couldn't be verified by Microsoft Defender Advanced Threat Protection. Unless you need to edit, it is safer to stay in protected view. | Enable Editing

A1

code	unit	amount
A000J	Milligram/100 gram	100

summary statistics whole population

Population group	Min mean mg/kg bw per day	Max mean mg/kg bw per day	Min 95th mg/kg bw per day	Max 95th mg/kg bw per day	Mean mg/day	Max mean mg/day	Min 95th mg/day	Max 95th mg/day
Infants	1.687779114	9.769476004	4.907335811	25.39664375	15.70903743	88.10988956	39.3568332	233.2383
Toddlers	5.269409145	13.20780107	9.396560386	26.47124286	52.46332729	162.192615	96.6516677	311.345
Other children	4.925613924	10.54650275	7.638893728	19.55839695	91.60816999	277.3916328	146.0295843	425.4496667
Adolescents	2.514860434	6.330855066	4.096999332	11.51379739	133.7773529	292.7844972	212.3186271	508.0138
Adults	2.069807045	3.707860558	4.015185185	7.949193549	154.5550657	277.6860956	292.185	577.5
Elderly	1.861253531	3.818064796	3.571428572	7.896425873	134.8644466	294.8936471	256.015	592
Very elderly	2.364443989	3.819188302	4.197367424	7.249811963	176.0721972	279.128	308.696384	520.37235
Pregnant women	2.239804557	3.890938588	3.715	7.040816327	153.2602256	270.1911255	257.3	465
Lactating women	2.219881013	2.910338088	4.98438172	5.546623794	148.9851899	185.5875463	309.0316667	340.225
Vegetarians	2.842735407	2.842735407	6.070526316	6.070526316	177.7019275	177.7019275	373.565	373.565

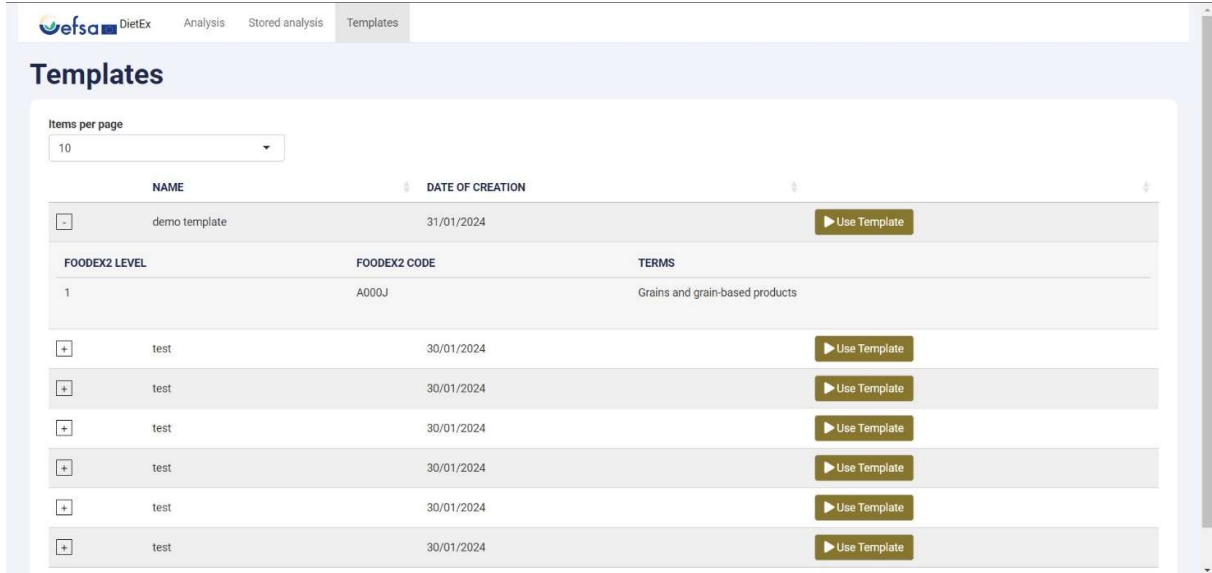
summary statistics customers only

Population group	Min mean mg/kg bw per day	Max mean mg/kg bw per day	Min 95th mg/kg bw per day	Max 95th mg/kg bw per day	Mean mg/day	Max mean mg/day	Min 95th mg/day	Max 95th mg/day
Infants	1.687779114	9.769476004	4.907335811	25.39664375	15.70903743	88.10988956	39.3568332	233.2383
Toddlers	5.269409145	13.20780107	9.396560386	26.47124286	52.46332729	162.192615	96.6516677	311.345
Other children	4.925613924	10.54650275	7.638893728	19.55839695	91.60816999	277.3916328	146.0295843	425.4496667
Adolescents	2.514860434	6.330855066	4.096999332	11.51379739	133.7773529	292.7844972	212.3186271	508.0138
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Elderly	1.861253531	3.818064796	3.571428572	7.896425873	134.8644466	294.8936471	256.015	592
Very elderly	2.364443989	3.819188302	4.197367424	7.249811963	176.0721972	279.128	308.696384	520.37235
Pregnant women	2.239804557	3.890938588	3.715	7.040816327	153.2602256	270.1911255	257.3	465
Lactating women	2.219881013	2.910338088	4.98438172	5.546623794	148.9851899	185.5875463	309.0316667	340.225

Analysis summary | Whole population | Consumers only | Food percentual contribution

3 STARTING A NEW ANALYSIS FROM A TEMPLATE

If you click on "Start from template" on the start screen, you'll be directed to a page displaying your saved templates. Here, you can view the selected FoodEx2 items before proceeding:



The screenshot shows the 'Templates' page in the efsa DietEx system. The page has a navigation bar with 'efsa DietEx', 'Analysis', 'Stored analysis', and 'Templates'. The main heading is 'Templates'. Below the heading is a dropdown menu for 'Items per page' set to '10'. The main content is a table of templates:

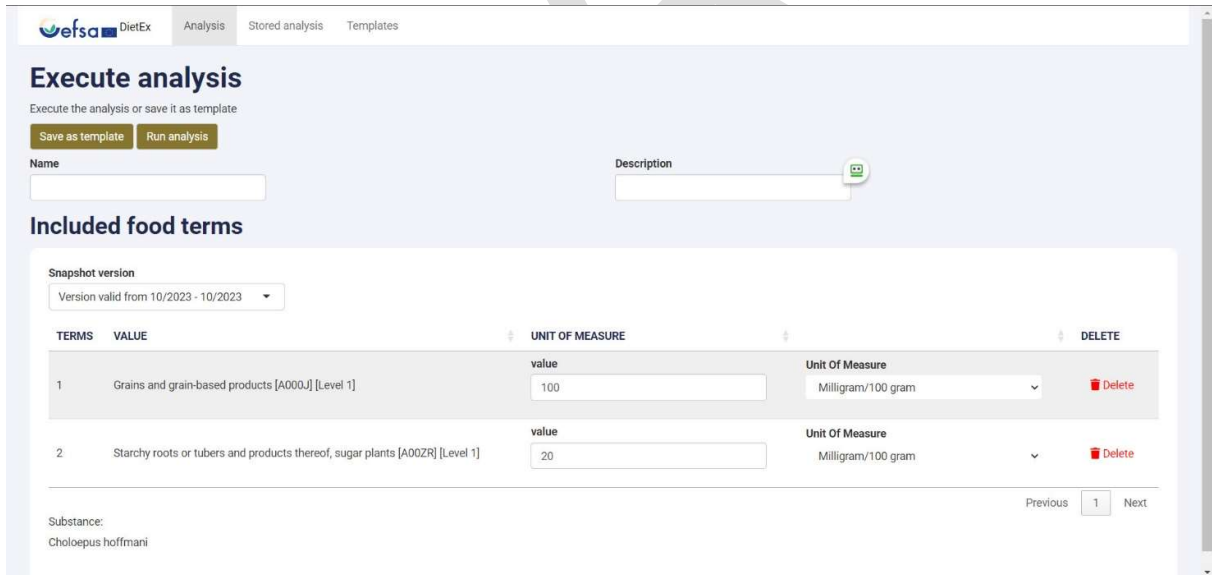
	NAME	DATE OF CREATION	
<input type="checkbox"/>	demo template	31/01/2024	▶ Use Template

Below the template list is a table showing the selected FoodEx2 items for a template:

FOODEX2 LEVEL	FOODEX2 CODE	TERMS
1	A000J	Grains and grain-based products

Below this table is another list of templates, each with a '+' icon, 'test' name, '30/01/2024' date, and a '▶ Use Template' button.

Clicking on "Use template" will redirect you to the same screen as when starting from a new selection. Here, you'll need to enter the amounts for the selected items:



The screenshot shows the 'Execute analysis' page in the efsa DietEx system. The page has a navigation bar with 'efsa DietEx', 'Analysis', 'Stored analysis', and 'Templates'. The main heading is 'Execute analysis'. Below the heading is a sub-heading 'Execute the analysis or save it as template' and two buttons: 'Save as template' and 'Run analysis'. Below this are two input fields: 'Name' and 'Description'. Below the input fields is a section titled 'Included food terms' with a 'Snapshot version' dropdown menu set to 'Version valid from 10/2023 - 10/2023'. Below this is a table with columns for 'TERMS', 'VALUE', 'UNIT OF MEASURE', and 'DELETE':

TERMS	VALUE	UNIT OF MEASURE	DELETE
1	Grains and grain-based products [A000J] [Level 1]	value: 100 Unit Of Measure: Milligram/100 gram	Delete
2	Starchy roots or tubers and products thereof, sugar plants [A00ZR] [Level 1]	value: 20 Unit Of Measure: Milligram/100 gram	Delete

At the bottom of the page, there is a 'Substance:' field with the value 'Choloepus hoffmani' and a pagination control showing 'Previous', '1', and 'Next'.

From this stage onward, the process remains identical.

API MANAGEMENT (API-FIRST)

The DietEx API's are also available to be called directly, should it be desired. The API's are integrated into the API management developer portal for ease of use.


4 ACCESSING THE DEVELOPER PORTAL

The developer portal is accessible at <https://developers.efsa.europa.eu/>.

In order to gain access to the API's, you must log in to the developer portal using B2C. Click on **Sign in** in the top right and then click on **Azure Active Directory B2C**. Follow the prompt.

Sign in

Please use your EFSA Azure Active Directory account to sign-in to the Partner environment. The partner environment gives third parties access to the EFSA API landscape.

 Azure Active Directory B2C

Note: due to a glitch in API management, it is possible you are met with an error screen when going to the sign in page. You may dismiss this error.

5 SUBSCRIBING TO THE API'S

When logged in, you are able to access the "Products" page.

Here, you will notice a DietEx product.

Products

Name	Description
DietEx - create	Access to the create DietEx API's

Click open the product. You are then able to subscribe to it and generate subscription keys.

Your subscriptions

You don't have subscriptions yet.

After entering a name for your subscription and clicking **Subscribe**, you are directed to your profile where you will see your new subscription.

Subscriptions

Subscription details	Product	State	Action
Name	Testing		Rename
Started on	02/06/2024	DietEx - create	Active
Primary key	xx		Cancel
Secondary key	xx		Show Regenerate
			Show Regenerate

Note that a subscription key is only the first layer. In order to use the API's, you must also authenticate via B2C.


6 USING THE API'S

Navigate to the API's tab. Here you will find all the different DietEx API's available to you (after subscribing).

APIs

Search APIs

Group by tag



Name	Description	Type
DietEx API - Create - Analysis - v1		REST
DietEx API - Create - Reference Terminologies - v1		REST
DietEx API - Create - Snapshot - v1		REST
DietEx API - Create - Substance - v1		REST
DietEx API - Create - Survey - v1		REST
DietEx API - Create - Template - v1		REST
DietEx API - Create - Unit Of Measure - v1		REST

Click on one of the API's. You will then see all the different operations you can do.

DietEx API - Create - Analysis - v1 

Search operations

Group by tag



- POST** Create new analysis
- DEL** Delete analysis by id
- GET** Get all analysis
- GET** Get analysis by id
- GET** Get analysis result
- POST** Validate elements

If you click one of them open, you will be met with all the documentation about it.

DietEx API - Create - Analysis v1

API definition ▼ [Changelog](#)

Get all analysis

Get all analysis

analysis

Request

GET <https://api-dev.efsa.europa.eu/dietex/create/analysis/{?pageNumber}&pageSize}&api-version=v1>

Request parameters

Name	In	Required	Type	Example	Description
pageNumber	query	false	integer		Format - int32.
pageSize	query	false	integer		Format - int32.

Response: 200 OK

Success

text/plain; x-api-version=1.0 application/json; x-api-version=1.0 text/json; x-api-version=1.0

In order to use the API, you can use the 'Try it' button on the top right.

To generate a Bearer token and authenticate towards the API's, you must select 'authorization_code (PKCE)' in the drop-down list by 'Authorization flow'.

Authorization flow: No auth ▼

Subscription key authorization_code (PKCE) Primary: testing ▼

You will then have to authenticate with B2C again. **Note that this flow is not the same as the log-in for the developer portal. You can use a different account or the same one.**

You can then fill in the details of the request, some might be pre-filled per documentation, and scroll down to "Send". You will then get a response.

Headers ^

Content-Type	application/json; x-api-version	🗑️
Cache-Control	no-cache	🗑️
Authorization 🔒	🗑️
Ocp-Api-Subscr: 🔒	

+ Add header

Body ^

Request body format Raw Binary

Sample request body CreateNewAnaly: ▾ C

```
{
  "name": "string",
  "description": "string",
  "snapshot_id": 0,
  "food_ex_items": [{
```

🗑️

HTTP response

HTTP/1.1 200 OK

```
api-supported-versions: 1.0
content-type: application/json; charset=utf-8; x-api-version=1
date: Tue, 06 Feb 2024 10:21:27 GMT
vary: Origin
```

```
{
  "data": {
    "current_page": 1,
    "total_pages": 1,
    "page_size": 10,
    "total_count": 1,
    "items": [{
      "id": 1,
      "name": "██████ test",
      "description": "testing analyses",
      "created_at": "2024-02-02T12:31:32.2951954",
      "status": "Finished"
    }],
    "has_previous": false,
    "has_next": false
  },
  "info": {
    "version": "1.0.0"
  },
  "error": null
}
```

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7 USING A LOCAL API CLIENT

There is no direct support for generating a Bearer token in a local API client (like Postman) or for system-to-system integration.

If you want to use a local API client, you must generate a Bearer token via the portal using the aforementioned procedure and use that locally.

If you want to reveal the Bearer token after generation, you can do so by scrolling down and clicking **Reveal secrets**.



You can then use the Bearer token and place it in the Authorization header. You will have to construct the request based on the documentation provided.

8 SUBSCRIPTION KEY

Note that, when using a local client, you must also pass along your personal subscription key.

You can do this as described above by revealing secrets.

Alternatively, go to the **Profile** tab. Here you can find your subscriptions.

Subscriptions

Subscription details			Product	State	Action
Name	Testing	Rename	DietEx - create	Active	Cancel
Started on	02/06/2024				
Primary key	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Show Regenerate			
Secondary key	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Show Regenerate			

You can then show the key. You must add it to your request with "Ocp-Apim-Subscription-Key" as header.

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