

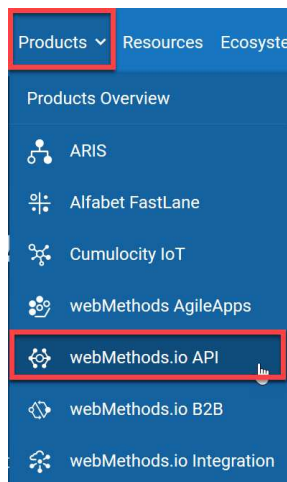
Test your first API in API Gateway

Lab Objectives

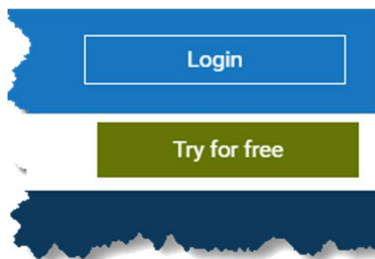
In this lab, you will test your Fruit Shop API in API Gateway using a 3rd party REST test client. To allow a test invocation, you must activate the API beforehand.

Steps

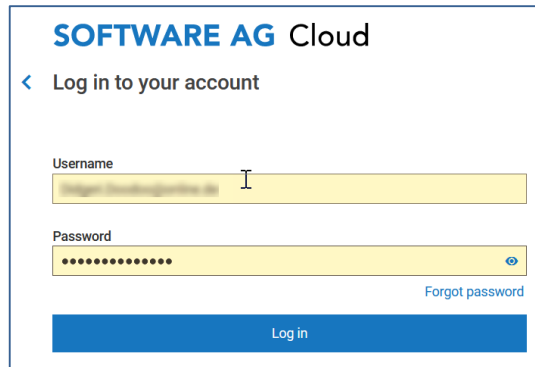
1. Only, if not already logged in to API Gateway, login to your API Gateway instance in the Cloud:
 - a. On your own machine, open a browser tab and navigate to <https://softwareag.cloud>. From the **Products** drop-down list select **webMethods.io API**.



- b. Select **Login** in the top right corner. Provide your cloud environment name as created in the previous lab and hit Enter. Click **Next**.

A screenshot of the Software AG Cloud login form. The form has a title 'SOFTWARE AG Cloud' and a subtitle 'Log in to your account'. Below the subtitle is a link 'Don't have an account? Sign up here'. The main input field is labeled 'Environment name' and contains the text 'softwareag.cloud'. Below the input field is a small 'Info' icon and the text 'Alphanumeric characters only'. To the right of the input field is a link 'Forgot environment name'. At the bottom of the form is a blue 'Next' button.

- c. You will be asked for credentials. Provide your Software AG Cloud credentials (Username (e-mail) and password) you used when you requested the environment. Click **Log in**.



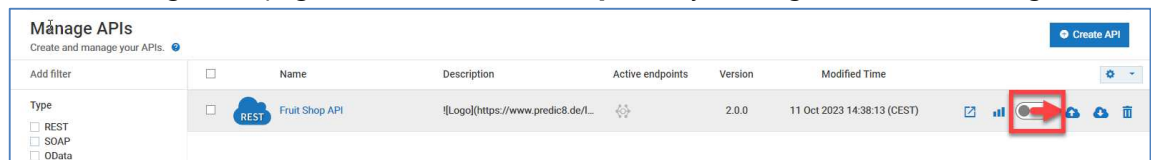
The image shows the Software AG Cloud login page. It has a header 'SOFTWARE AG Cloud' and a sub-header 'Log in to your account'. There are two input fields: 'Username' and 'Password'. The 'Username' field contains the text 'myname@mycompany.de'. The 'Password' field is masked with dots. There is a 'Forgot password' link next to the password field. At the bottom is a blue 'Log in' button.

- d. On your Software AG Cloud home page open a connection to your **webMethods.io API Gateway** instance.

2. Once logged into API Gateway, enable the Fruit Shop API allowing a test invocation:

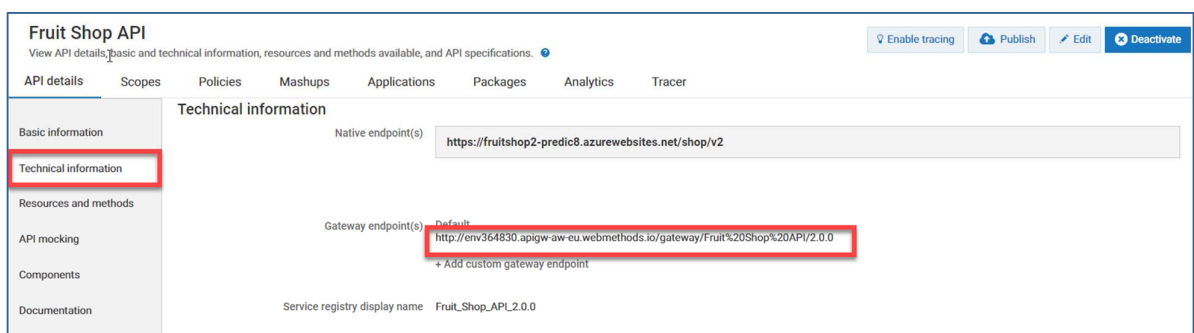
- a. On the API Gateway Welcome page, click **APIs** in the menu bar.

On the Manage APIs page activate the **Fruit Shop API** by moving the slider to the right.



Confirm the activation with **Yes**.

- b. Open the details view of **Fruit Shop API** by clicking its name.
- c. On the details view, navigate to section **Technical information**. Copy the URL of the API's **Gateway endpoint** to the clipboard.



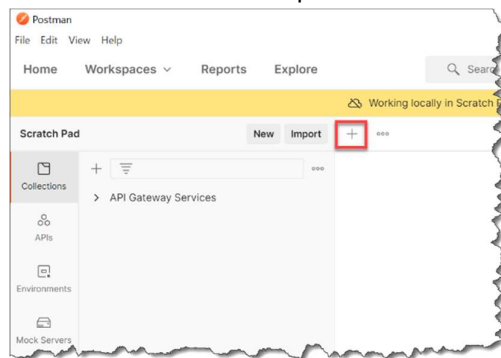
3. Only in case **Postman** hasn't been installed on your local machine yet download and install the REST client like this:

- In a browser, navigate to <https://www.postman.com/downloads/>
- Select the version that matches your operating system and **download** Postman.
- Install the application by running the downloaded installer and following the provided instructions.

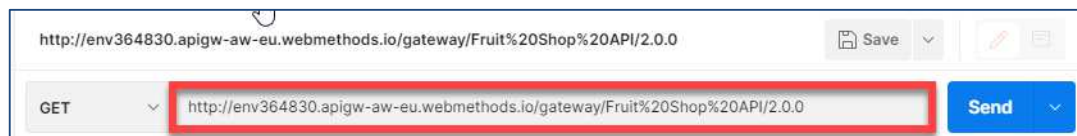
Note: Depending on your operating system you may need administrator privileges to install the application.

4. Launch **Postman** on your local machine.

- In Postman, click + to open a new tab.

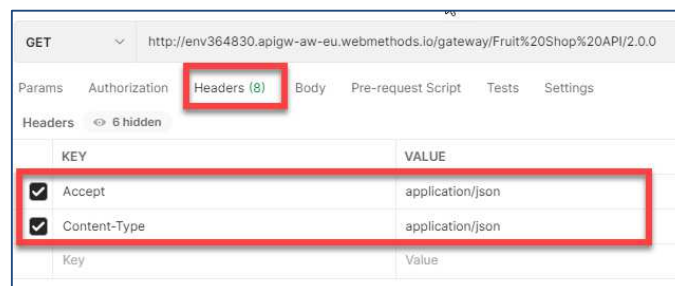


- Configure a new **Get** request. Paste the API Gateway endpoint URL from the clipboard into the URL of the Get request.



- Select **Headers** and add the following two key/value pairs:

- Accept **application/json**
- Content-Type **application/json**



- d. To get all fruits, append REST resource **/products/** to the URL and click **Send**.

The screenshot shows the API Gateway interface with a GET request to `http://env364830.apigw-aw-eu.webmethods.io/gateway/Fruit%20Shop%20API/2.0.0/products`. The **Send** button is highlighted. The response status is **200 OK**, with a time of 946 ms and a size of 900 B. The response body is displayed in JSON format:

```
1 {
2   "meta": {
3     "count": 15,
4     "start": 1,
5     "limit": 10,
6     "next_link": "/shop/v2/products?start=11&limit=10"
7   },
8   "products": [
9     {
10      "id": 15,
11      "name": "Physalis",
12      "self_link": "/shop/v2/products/15"
13    },
14    {
15      "id": 14,
16      "name": "Persimmon",
17      "self_link": "/shop/v2/products/14"
18    },
19    {
```

- e. Append product ID **/11** to the URL and click **Send** again. Detailed product data of product 11 (Orange) will be returned.

The screenshot shows the API Gateway interface with a GET request to `http://env364830.apigw-aw-eu.webmethods.io/gateway/Fruit%20Shop%20API/2.0.0/products/11`. The **Send** button is highlighted. The response status is **200 OK**, with a time of 132 ms and a size of 339 B. The response body is displayed in JSON format:

```
1 {
2   "id": 11,
3   "name": "Orange",
4   "price": 2.20,
5   "vendors": [
6     {
7       "id": 2,
8       "name": "Max Obsthof GmbH",
9       "self_link": "/shop/v2/vendors/2"
10    },
11    {
12      "id": 1,
13      "name": "Fruitful GmbH",
14      "self_link": "/shop/v2/vendors/1"
15    }
16  ],
17   "image_link": "/shop/v2/products/11/image"
18 }
```