Date :  26th Feb 2024

Currnecy Converter

Version: 1.0.0

# **Overview**

Provides currency exchange rates based on the markets and national central banks data.

This API supports 160+ currencies and is based on the data provided by National Central Banks and markets. Rates are updated once an hour. Historical data starts from 2010.

# **Getting Started**

## **Prerequisites:**

* Volt Foundry
* Subscribe to freemium for Currency Converter from [RapidApi](https://rapidapi.com/hub)

## **Importing the adapter:**

**To import the Data Adapter to Volt Foundry, do the following:**

1. Sign in to the  [HCL Foundry](https://manage.hclvoltmx.com/).
2. From the left navigation menu, select **API Management**.
3. In **API Management**, select **Custom Data Adapters**.  
   
4. Click **IMPORT** to import a custom data adapter.  
   
5. On the Import Data Adapter dialog box, click browser to import.  
   
6. Select Currency Converter zip file and click **IMPORT**.

After you import the data adapter, Volt Foundry opens a window that shows the metadata of the data adapter.

A screenshot of a web page

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After you import the data adapter, you can view it on the Custom Data Adapters page and use it to create services on Volt Foundry.

**Following are the steps for generating API key :**

1. Go to [RapidApi.com](https://rapidapi.com/hub), create account.
2. Search Currency Converter, Subscribe to its plan according to your requirement.

A screenshot of a website

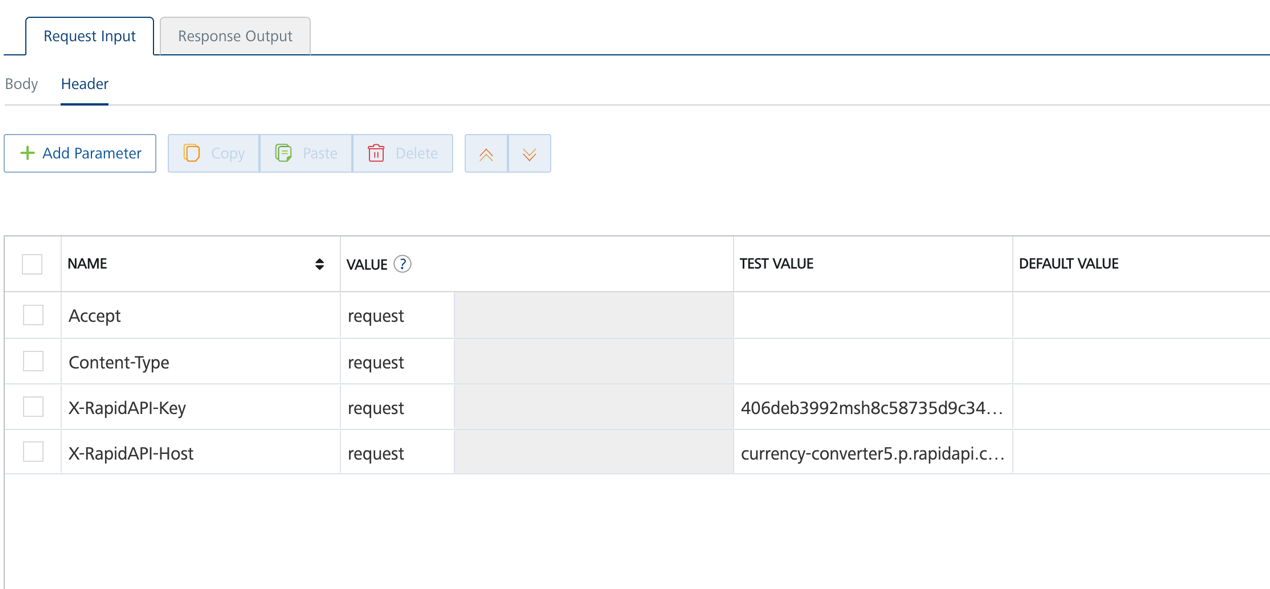
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1. Api key and host will be mentioned in the code snippet.

A screen shot of a computer program

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1. Mention the same in headers in Foundry to get required responses.



## **[Creating an Integration service](javascript:void(0);):**

After you import the data adapter into Volt Foundry, you can use it to create an Integration Service.

Follow the given steps to create an Integration service using the Currency Converter Adapter.

1. Sign in to the [HCL Foundry](https://manage.hclvoltmx.com/).
2. From the left navigation menu, select **API Management**.
3. In **API Management**, select **Integration**.  
   
4. To create a new service, click the **+** button or the **CONFIGURE NEW** button.  
   
5. On the Service Definition tab, select the service type as Currency Converter and click **SAVE**.

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Alternatively, you can also create a Foundry app and create an Integration service inside it.

## **[Creating and Executing operations](javascript:void(0);):**

After you create an integration service, you can create and execute operations using the service.

#### Creating an Operation

* In **API Management/Foundry app you created**, in the **Integration** section, select the service that you created.
* After you select the service, navigate to the **Operation List** tab.  
  
* From the drop down list, select an operation that you want to execute, and click **ADD OPERATION**.

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#### Executing an Operation

* From the **Operations List** tab, in the **Configured Operations** section, select the operation you want to execute.

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* On the Operation Page, in the Request Input tab, enter a TEST VALUE for all the fields.
* A screenshot of a computer

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* Select a run-time environment and click **Save and Fetch Response** to get a response based on your inputs.

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## [**Publishing your application**](javascript:void(0);)

If you want to use the services in client applications, you need to publish an app to a run-time environment. You can create the service (as described above) in an application or import the service into an application and publish the application.

# **References**

## Endpoint Documentation

|  |  |  |
| --- | --- | --- |
| Endpoints | Input params-Type | Description |
| /convert | Format(string), from(string), to(string), amount(string), language(enum) | Converts from one currency to another |
| /historical/{date} | Date(string), format(string), from(string), to(string), amount(number), language(enum) | returns the rates on the specific date |
| /list | format(string), language(enum) | List of available currencies |

* Refer [this link](https://rapidapi.com/natkapral/api/currency-converter5) for more information about API endpoints.

# **Revision History**

Adapter version 1.0.0: