Date :  12-10-2023

Free Dictionary API (1.0.0)

# Overview

The [Free Dictionary API](https://dictionaryapi.dev/) provides information about words, including their pronunciation, origin, and meanings. It offers details like the word's phonetic transcription, audio pronunciation, word origin, part of speech, and definitions with examples. It's a useful resource for accessing word-related data for various applications.

# Getting Started

## Prerequisites

* Volt Foundry

## 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 **FreeDictionaryAPI** 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 dictionary

Description automatically generated

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.

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## [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 **Free Dictionary API** 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 **Free Dictionary API** and click **SAVE**.  
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Alternatively, you can also create a Foundry app and create an Integration service inside it.

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

## [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

### **Requests Input Parameters**

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| **word** | **[Required] English word to be looked up** |

### **Response**

**As an example, to get definition of English word hello, you can send request to**

**Example Request:**

[**https://api.dictionaryapi.dev/api/v2/entries/en/hello**](https://api.dictionaryapi.dev/api/v2/entries/en/hello)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| **word** | **The English word being defined.** |
| **phonetic** | **The phonetic pronunciation of the word.** |
| **phonetics** | **Array containing different phonetic pronunciations.** |
| **origin** | **The etymology or origin of the word.** |
| **meanings** | **Array containing different meanings and their details.** |

**Each meaning object contains:**

* **partOfSpeech: The part of speech of the word (e.g., exclamation, noun, verb).**
  + **definitions: Array of definitions for the word.**
  + **definition: The definition of the word's meaning.**
  + **example: An example sentence demonstrating the usage of the word.**
  + **synonyms: Array of synonyms for the word's meaning (if available).**
  + **antonyms: Array of antonyms for the word's meaning (if available).**

**Reference Document:** <https://dictionaryapi.dev/>

# Revision History

Adapter version 1.0.0:

## Known Issues

* No Known Issues

## Limitations

* No limitations