Date :  29-02-2024

UK Postcode

version: 1.0.0

# **Overview**

The UK Postcode Lookup API provides access to a database of almost 1.7 million UK postcodes. It can be used to look up the details of a given address from a search query. The search query will match against the post code, street name, region, locality or area.

# **Getting Started**

## **A. Prerequisites**

## Volt Foundry

* Account and api key from https://rapidapi.com/
* Sign up in <https://rapidapi.com/> and login into the account and get the api key.
* [UK Postcode API Documentation (tomwimmenhove) | RapidAPI](https://rapidapi.com/tomwimmenhove/api/uk-postcode)

## **B. 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 UK Postcode zip file and click **IMPORT**.

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

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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.

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## **C. Creating an Integration service:**

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 UK Postcode 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 UK Postcode, and click **SAVE**.
6. A screenshot of a computer

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

**D. Creating and Executing operations:**

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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**Request Header:**

**Authorization:** X-RapidAPI-Key, X-RapidAPI-Host [in header]: API Key associated with your RapidAPI account, required for authentication. To get keys – Login in to [Rapid API Account](https://rapidapi.com/swift-api-swift-api-default/api/gemini-pro-ai) -> You can view your keys.

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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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## **E. Publishing your application:**

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.

# **3. References**

## **Endpoint Documentation**

## **/search**

## GET

https://uk-postcode.p.rapidapi.com/search

**Header Parameters:**

| **Header Parameter** | **Value** |
| --- | --- |
| X-RapidAPI-Key | [Your API Key] |

## **Required Parameters:**

| **Parameter** | **Type** | **Example** | **Description** |
| --- | --- | --- | --- |
| query | STRING | Downing Street London | Your query string (REQUIRED) |

| **Parameter** | **Type** | **Example** | **Description** |
| --- | --- | --- | --- |
| limit | NUMBER | 10 | The maximum number of results of the query |

## **Optional Parameters:**

## **/getpostcode**

## GET

https://uk-postcode.p.rapidapi.com/getpostcode

**Header Parameters:**

| **Header Parameter** | **Value** |
| --- | --- |
| X-RapidAPI-Key | [Your API Key] |

## **Required Parameters:**

| **Parameter** | **Type** | **Example** | **Description** |
| --- | --- | --- | --- |
| postcode | STRING | SW1A2AA | An exact match for the post code to be queried |

## **Reference Document:** Refer this documentfor more information.

[UK Postcode API Documentation (tomwimmenhove) | RapidAPI](https://rapidapi.com/tomwimmenhove/api/uk-postcode)

# **4. Revision History**

Adapter version 1.0.0

## **Known Issues**

**-**

## **Limitations**

**-**