Date :  29-02-2024

Address Parser

version: 1.0.0

# **Overview**

Address Parser API is a powerful tool for simplifying and enhancing address data processing. It leverages machine learning to turn messy and unstructured address strings into well-structured and standardized data.

# **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.
* <https://rapidapi.com/techengine/api/address-parser3/>

## **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 Address Parser 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 Address Parser 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 Address Parser, 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.
* 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 [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**

## **/parse**

## GET

https://address-parser3.p.rapidapi.com/parse

**Header Parameters:**

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

## **Required Parameters:**

| **Parameter** | **Type** | **Example Address** | **Description** |
| --- | --- | --- | --- |
| addr | STRING | amrutha heights, 302 vasanth nagar, poranki, vijayawada, Andhra Pradesh, India | Your address string (REQUIRED) |

| **Parameter** | **Type** | **Example** | **Description** |
| --- | --- | --- | --- |
| lang | STRING | en | 2-letter language code (OPTIONAL) |
| country | STRING | US | 2-letter country code (OPTIONAL) |

## **Optional Parameters:**

## **Reference Document:** Refer this document for more information.

## <https://rapidapi.com/techengine/api/address-parser3/>

# **4. Revision History**

Adapter version 1.0.0

## **Known Issues**

**-**

## **Limitations**

**-**