Date :  01-03-2024

ai TEXtraction

version: 1.0.0

# **Overview**

A powerful AI-powered text parser that extracts custom user-defined entities from unstructured text.

It can extract exact values (examples: prices, dates, names, emails, phone numbers), semantic answers (examples: main topic, diagnosis, customer’s request), and it is pretty much limited by the imagination.

# **Getting Started**

## **Prerequisites**

* Volt Foundry
* [**Rapid API Account**](https://rapidapi.com/TextractionAI/api/ai-textraction/)
* X-RapidAPI-Key, X-RapidAPI-Host.

## **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 **AI Textraction 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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## **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 **AI Textraction** 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**.

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1. To create a new service, click the **+** button or the **CONFIGURE NEW** button.

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1. On the Service Definition tab, select the service type as**AI Textraction,** 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**

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

#### **Creating an Operation**

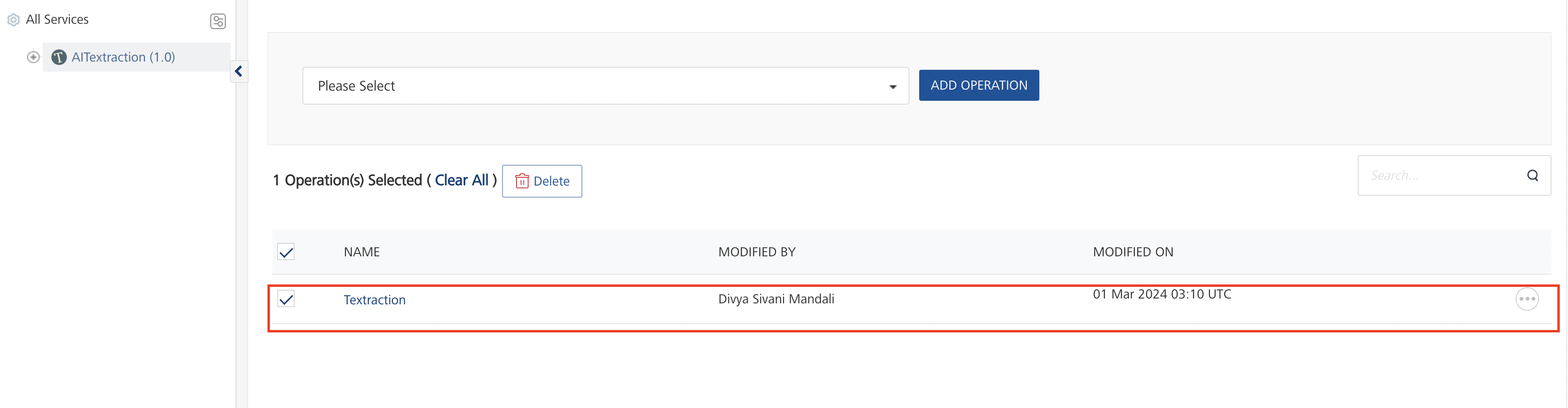
* In **API Management/Foundry app you created**, in the **Integration** section, select the service that you created.
* After you select the service, navigate to the **Operation List** tab.  
  
* From the drop-down list, select an operation that you want to execute, and click **ADD OPERATION**.

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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, in the **Body** section, for the following parameters, specify the values in the respective boxes under the **Test Value** column.

**Mandatory Parameters**

* + **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/TextractionAI/api/ai-textraction/)-> You can view your keys.

* + **text:** Text from which entities will be extracted.
  + **entities:** Entities to extract based on required parameters.

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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**

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** |
| X-RapidAPI-Key(string) | **[Required]** **[Header]**API Key associated with your account. |
| X-RapidAPI-Host (string) | **[Required]** **[Header]** The host parameter specifies the domain name or IP address of the RapidAPI endpoint. In the context of the AI Textraction, the default host is set to 'ai-textraction.p.rapidapi.com'. This parameter is necessary for routing the request to the appropriate API endpoint. |
| text (string) | **[Required]** Text from which entities will be extracted. |
| entities (Array of Objects) | **[Required]** An array containing information about specific entities within the text. |
| entities - var\_name (string) | The variable name of the entity. |
| entities - type (string) | The data type of the entity. |
| entities - description (string) | The description of the entity. |

### **Response Output Parameters**

## 

| **Object Property** | **Data Type** | **Description** |
| --- | --- | --- |
| results | Object | Contains information mentioned in text. |
| - first\_name | String | The first name mentioned in text. |
| - last\_name | String | The last name mentioned in text. |
| - years\_of\_experience | Integer | The number of years of experience of mentioned in text. |
| - programming\_languages | Array of Strings | The list of programming languages mentioned in text. |
| - hobbies | Array of Strings | The list of hobbies given text enjoys. |
| stats | Object | Contains statistics about the text and entities. |
| - n\_text\_characters | Integer | The number of characters in the text. |
| - n\_entities | Integer | The number of entities extracted from the text. |
| - n\_tokens\_used | Integer | The number of tokens used for extraction. |

**Reference Document:** [AI Textraction API Documentation (TextractionAI) | RapidAPI](https://rapidapi.com/TextractionAI/api/ai-textraction/)

# **Revision History**

Adapter version 1.0.0:

## **Known Issues**

* No Known Issues

## **Limitations**

* No limitations