Date :  28-Feb-24

**EMBEDDINGS API (1.0.0)**

# **Overview**

* The Embeddings API encodes any text into a vector using state-of-the-art NLP machine learning models. It can be used to power semantic search, text comparison tools (also check out our [Text Similarity API](https://api-ninjas.com/api/textsimilarity)), recommendation engines, and much more.

# **Getting Started**

## Prerequisites

Before you start using the Embeddings Apidata adapter, ensure you have the following:

* [HCL Foundry](https://manage.hclvoltmx.com/)
* Volt MX Iris
* An account with [Api Ninjas](https://api-ninjas.com/) and API Key

## Platforms Supported

### Mobile

#### iOS

#### Android

### Tablets

### PWA

## 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**.  
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4. Click **IMPORT** to import a custom data adapter.  
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5. On the Import Data Adapter dialog box, click browse to import.  
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6. Select  data adapter zip file and click **IMPORT**.

After importing the Embeddings Api 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 VoltMX Foundry.

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

Follow the given steps to create an Integration service using the Embeddings Api Data 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 Embeddings API, and click **SAVE**.

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[**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 **the 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.  
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* 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 and click on ADD OPERATION button.

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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.

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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**

**Base url :** https://api.api-ninjas.com

## **Endpoint Documentation**

| **Endpoints** | **Input params-Type** | **Description** |
| --- | --- | --- |
| /v1/embeddings | PARAMETERS:   * text   HEADERS:  **X-Api-Key** (required) | Returns a 768-dimensional vector as an array that encodes the meaning of any given input text. |

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## Refer [the link](https://api-ninjas.com/api/embeddings) for more information about API endpoints.

# **Revision History**

Adapter version 1.0.0