Date :  11-10-2023

API NINJAS WEATHER (1.0.0)

# Overview

The Weather API provides the latest weather information for any city or geographic location in the world.

The Weather API provides the latest weather information for any city or geographic location in the world.

Get current weather data by city, ZIP code, or geolocation coordinates (latitude/longitude).

# Getting Started

## Prerequisites

* Volt Foundry
* Account and api key from API Ninjas.
* Sign up in [Weather API - API Ninjas (api-ninjas.com)](https://api-ninjas.com/api/weather) and login into the account and get the api key.

## 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 API Ninjas Weather 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](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 API Ninjas Weather 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 API Ninjas Weather, 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.

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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

## Endpoint Documentation

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| HTTP Method | GET |  |
| Endpoint | / |  |
| Summary | Get Current Weather Data |  |
| Description | Get current weather data by city, ZIP code, or geolocation coordinates. |  |
| Parameters |  |  |
| - lat | number | Latitude of the desired location. (required) |
| - lon | number | Longitude of the desired location. (required) |
| - zip | string | 5-digit ZIP code (United States only). (required) |
| - city | string | City name. (required) |
| - state | string | US state (for United States cities only). (optional) |
| - country | string | Country name. (optional) |
| Headers |  |  |
| - X-Api-Key | string | API Key associated with your account. (required) |
| Responses |  |  |
| - 200 |  | Successful response |
| - temperature | number | Current temperature |
| - humidity | number | Current humidity |
| - conditions | string | Weather conditions |
| - 400 |  | Bad request |
| - 401 |  | Unauthorized - Invalid API Key |
| - 500 |  | Internal server error |

Top of Form

## These are List of all endpoints, input params and description/restriction of the fields in tabular format.

## Data for this will most likely be available in the original API documentation

# Revision History

Adapter version 1.0.0:

## Known Issues

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## Limitations

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