Date :  28-Feb-24

**AIR QUALITY API (1.0.0)**

# **Overview**

* The Air Quality API provides the latest air quality information for any city or geographic location in the world. It provides not only the wholistic Air Quality Index (AQI) but also concentrations for major pollutants:
  + Carbon monoxide (CO)
  + Nitrogen dioxide (NO2)
  + Ozone (O3)
  + Sulphur dioxide (SO2)
  + PM2.5 particulates
  + PM10 particulates

## Use case.

* You can use this Air Quality API adaptor in Health and fitness apps, Environmental apps and Travel and Tourism apps.

# **Getting Started**

## Prerequisites

Before you start using the Air Quality API data 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 Air Quality 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 Air Quality 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 Swift Code 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/airquality | PARAMETERS:   * lat (required) * lon(required)   (Or)   * city(required) * state (optional) * country (optional)   HEADERS:  **X-Api-Key** (required) | Get air quality by city or location coordinates (latitude/longitude). Returns the air quality index (AQI) and concentrations of major pollutants. |

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

# **Revision History**

Adapter version 1.0.0