Date :  12/10/2023

weather forecast (1.0.0)

# Overview

Weather forecast adapter uses <https://openweathermap.org> and retrieves weather report based on the latitude and longitude.

A Weather report app where you need to find the weather of a particular location.

# Getting Started

## Prerequisites

* Volt Foundry
* Sign Up in <https://openweathermap.org> and get Key from your login menu.
* You can find key as shown in below screenshots.
* Once you get key, you can utilize this in services request parameter.

## Signup instructions for the service: Go to this link <https://home.openweathermap.org/users/sign_up> and fill the following fields:

## Username

## Email address

## Any password for your account and confirm password.

## Select you are above 16 ages if so

## Select Terms and conditions.

## Optional selects on system news, product news, and corporate news

## Click on Create Account

## After clicking on Create account, you will receive a mail and you must verify your account.

## 

## 

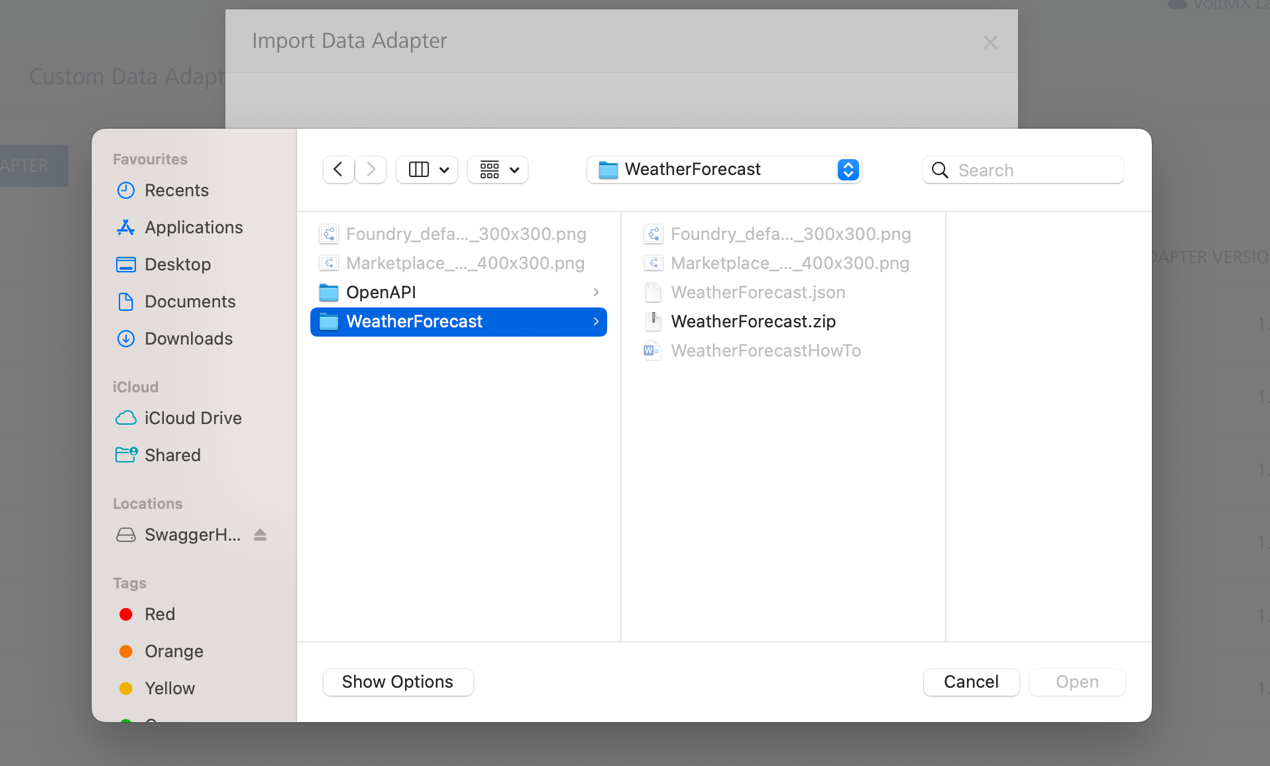
## A screenshot of a computer Description automatically generated

## Importing the adapter

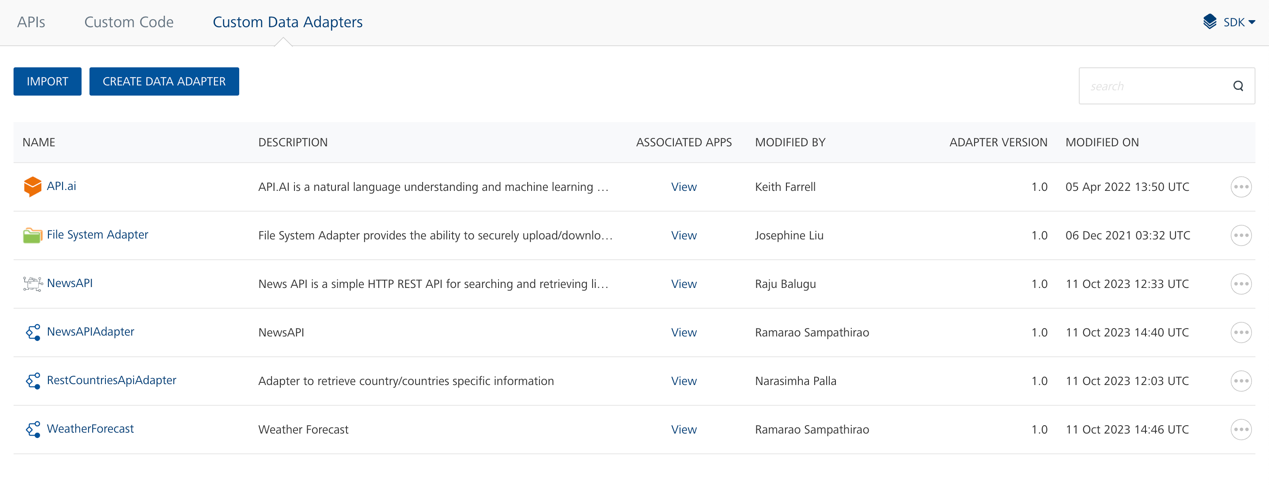
**To import the Data Adapter to Volt Foundry, do the following:**

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 WeatherForecast zip file and click **IMPORT**.

After you import the data adapter, Volt Foundry opens a window that shows the metadata of the data adapter.



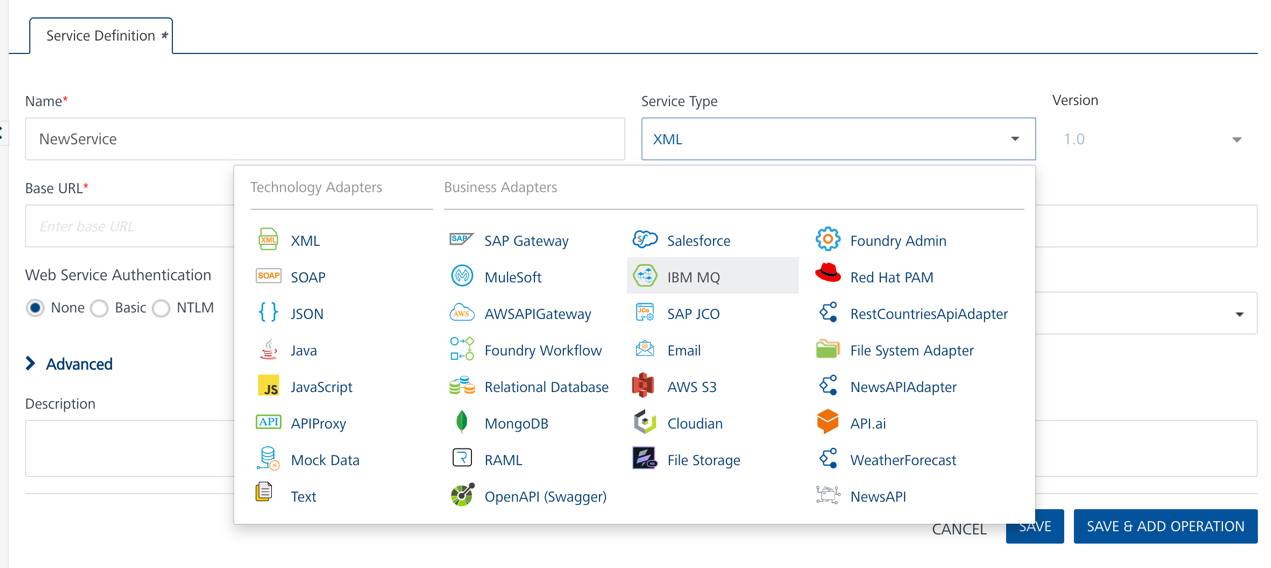
After you import the data adapter, you can view it on the Custom Data Adapters page and use it to create services on Volt Foundry.



## [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 News API 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 WeatherForecast and click **SAVE**.  
   

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.

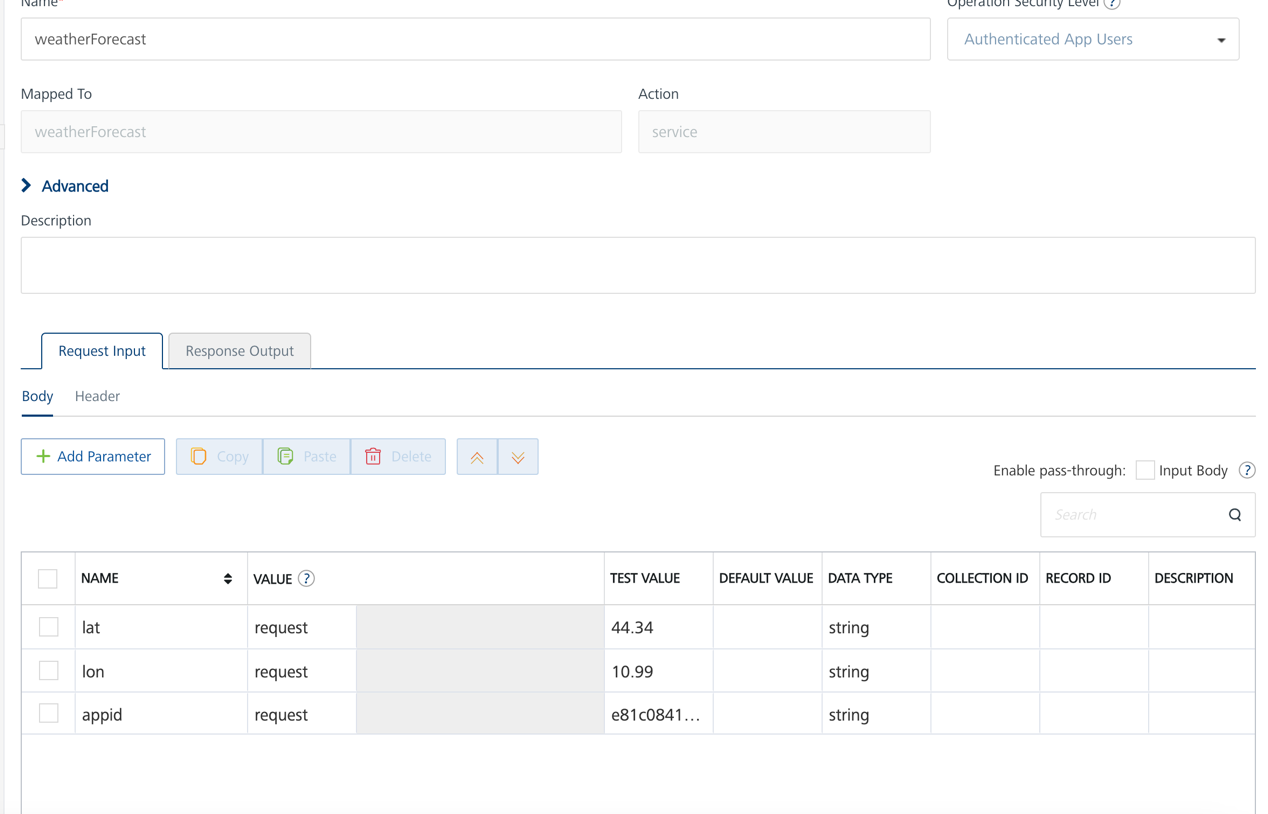
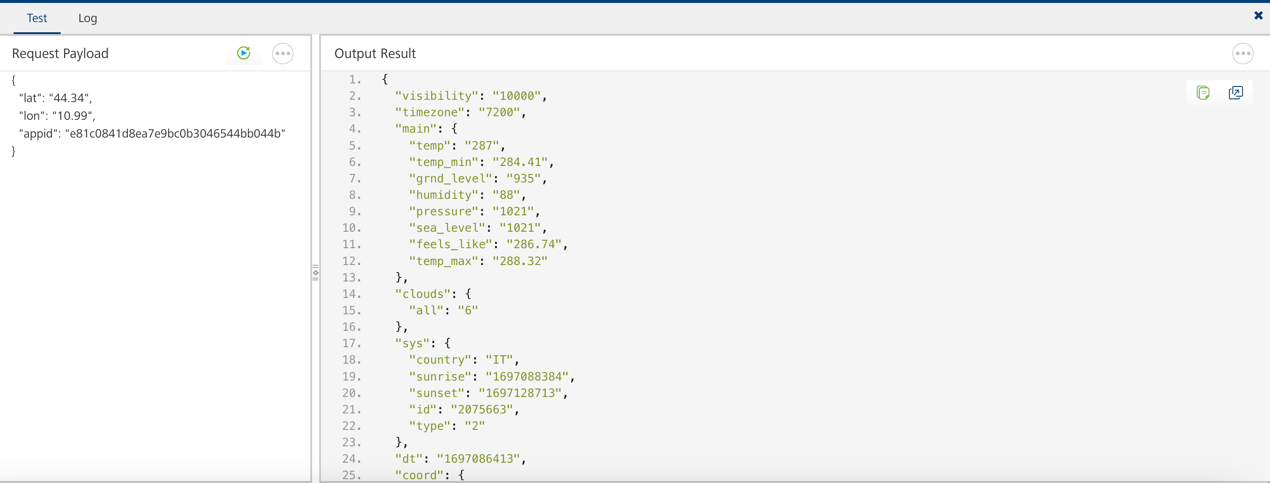
#### Creating an Operation

* 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**.  
  A screenshot of a computer

  Description automatically generated

#### Executing an Operation

* From the **Operations List** tab, in the **Configured Operations** section, select the operation you want to execute.  
  A screenshot of a computer

  Description automatically generated
* On the Operation Page, in the Request Input tab, enter a TEST VALUE for all the fields.  
  
* Select a run-time environment and click **Save and Fetch Response** to get a response based on your inputs.  
  

## [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

|  |  |  |
| --- | --- | --- |
| **Endpoint API** | **Requests** | **Description of API** |
| weatherForecast | Lat, lon, appid | Gets weather report based on the latitude, longitude and Key(appid) |

# Revision History

Adapter version 1.0.0:

## Known Issues

N/A

## Limitations

N/A