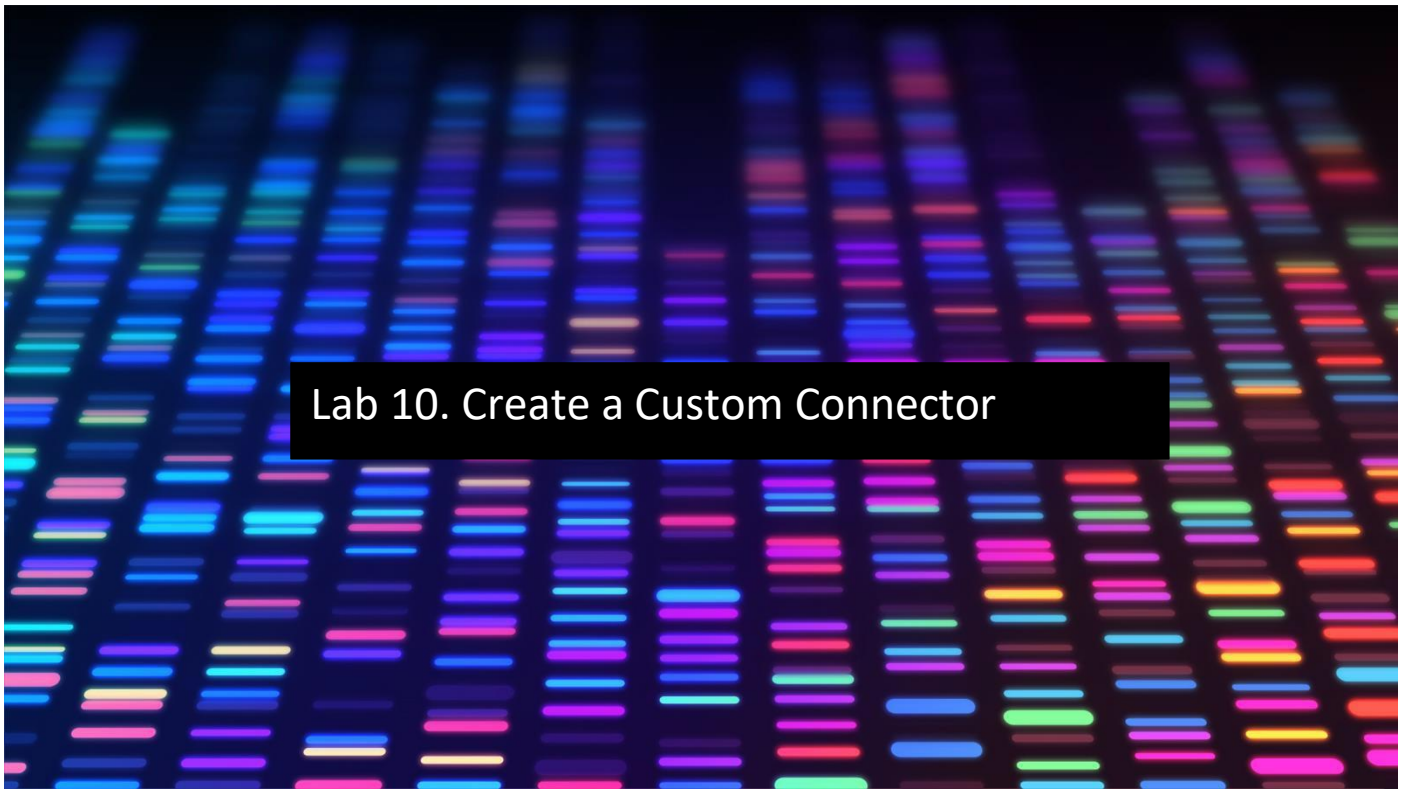

Lab 10. Create a Custom Connector

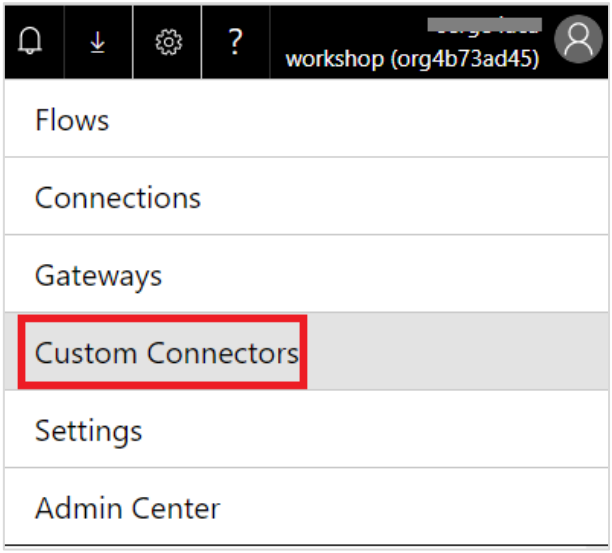
Lab 11. Create a Custom Connector

Author: Serge Luca aka “Doctor Flow”

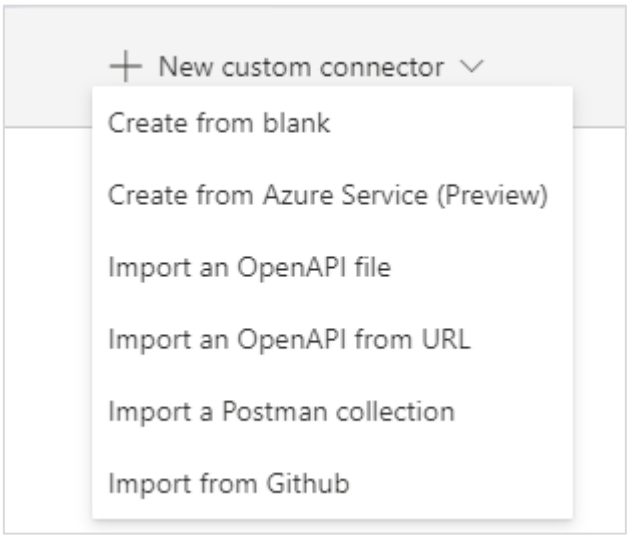
Prerequisites: lab **call an external API with ower Automate with the HTTP action**.

Tasks:

1. Before starting this lab, make sure your API key has been generated. Then, you can reuse the key from the previous lab.
2. Go to the **Connector** menu and select **Custom Connectors**:

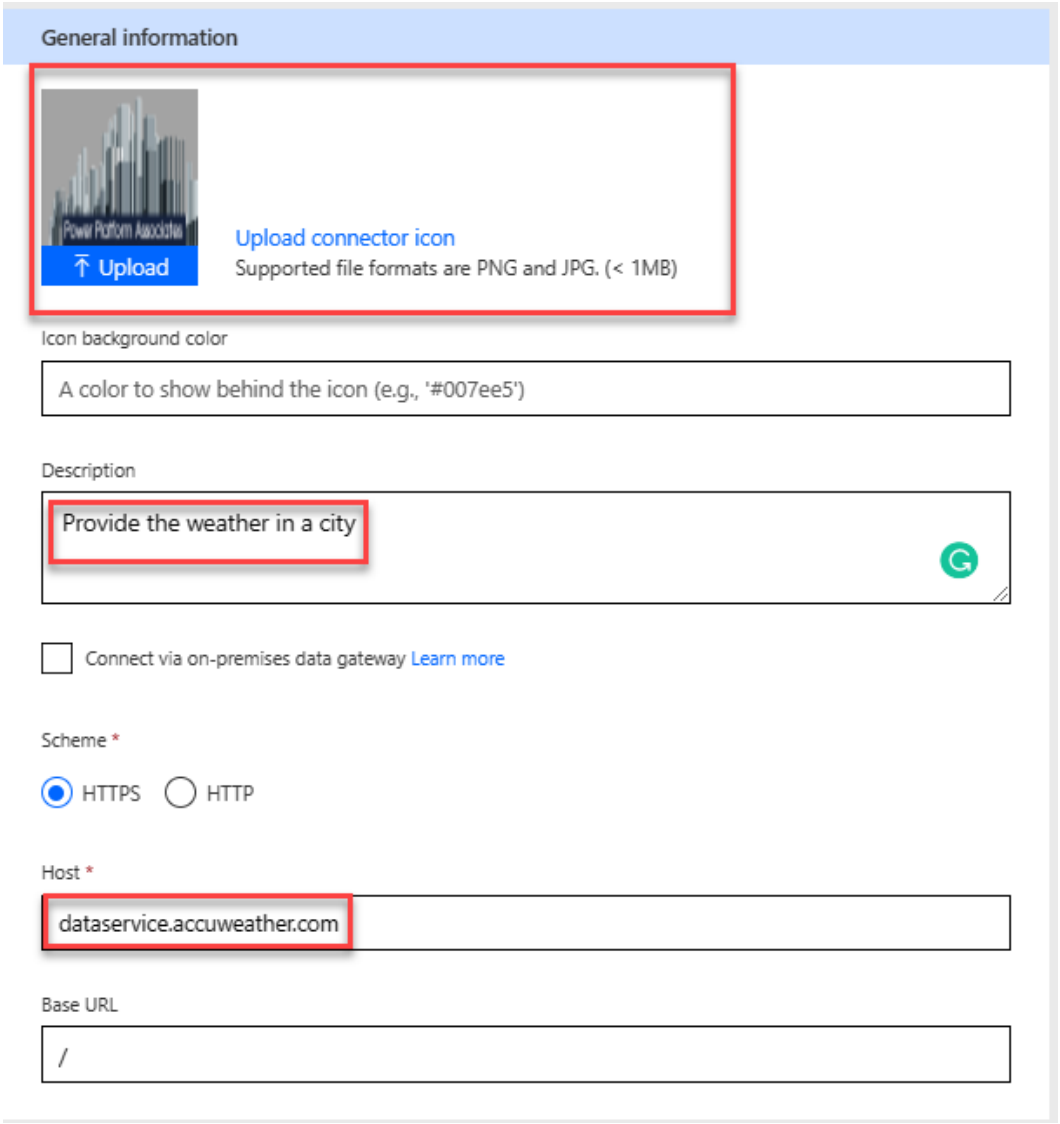


3. Click on **New custom connector**:

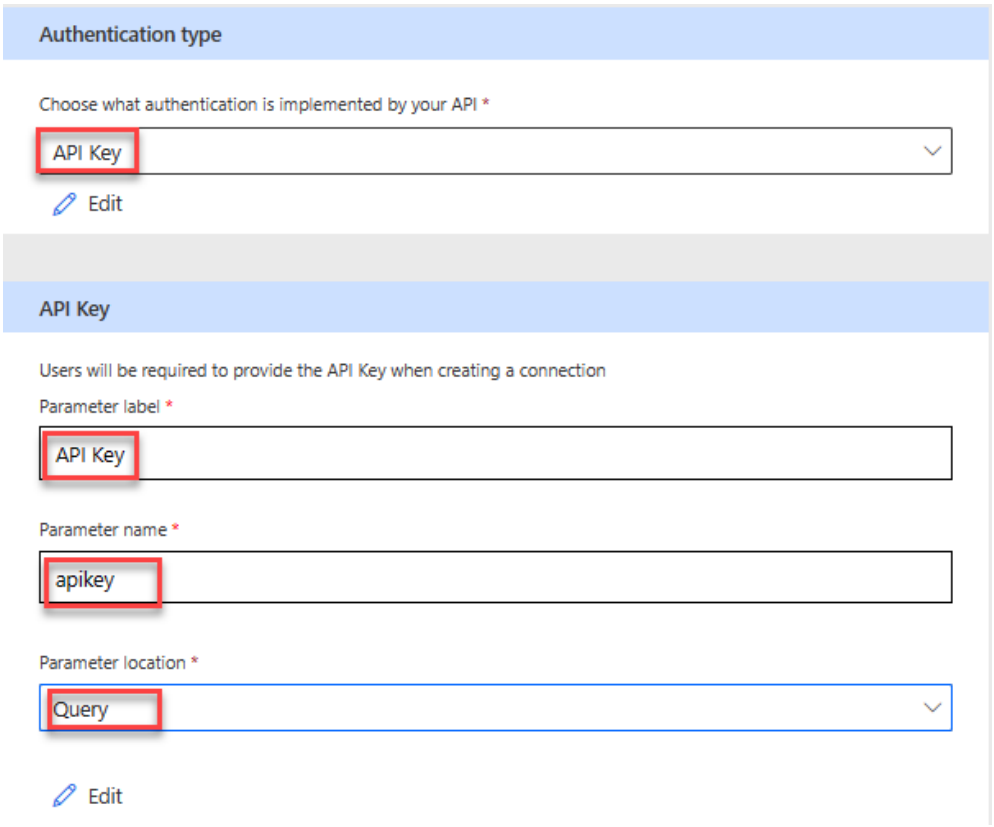


4. Select **Create from blank.**
5. Name the connector "PPA Training - AccuWeather" and click **Continue**

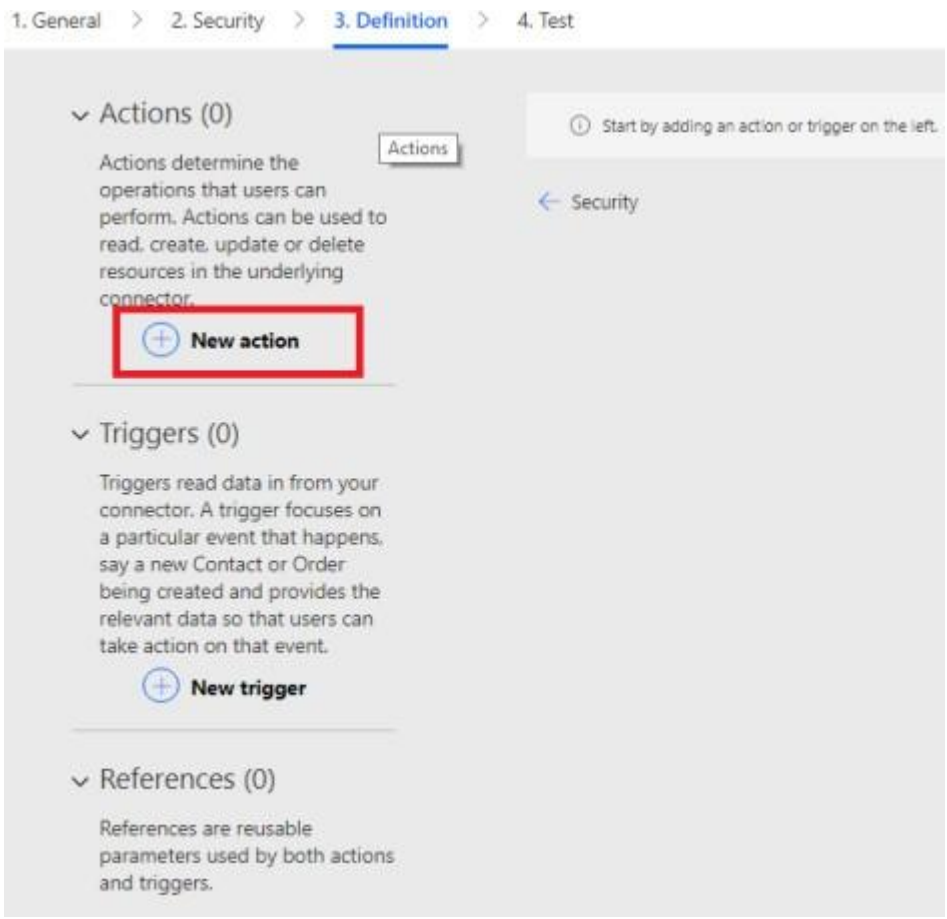
6. Upload a picture to be associated with your connector, provide the **host** (**dataservice.accuweather.com**) and a short description of what your connector does



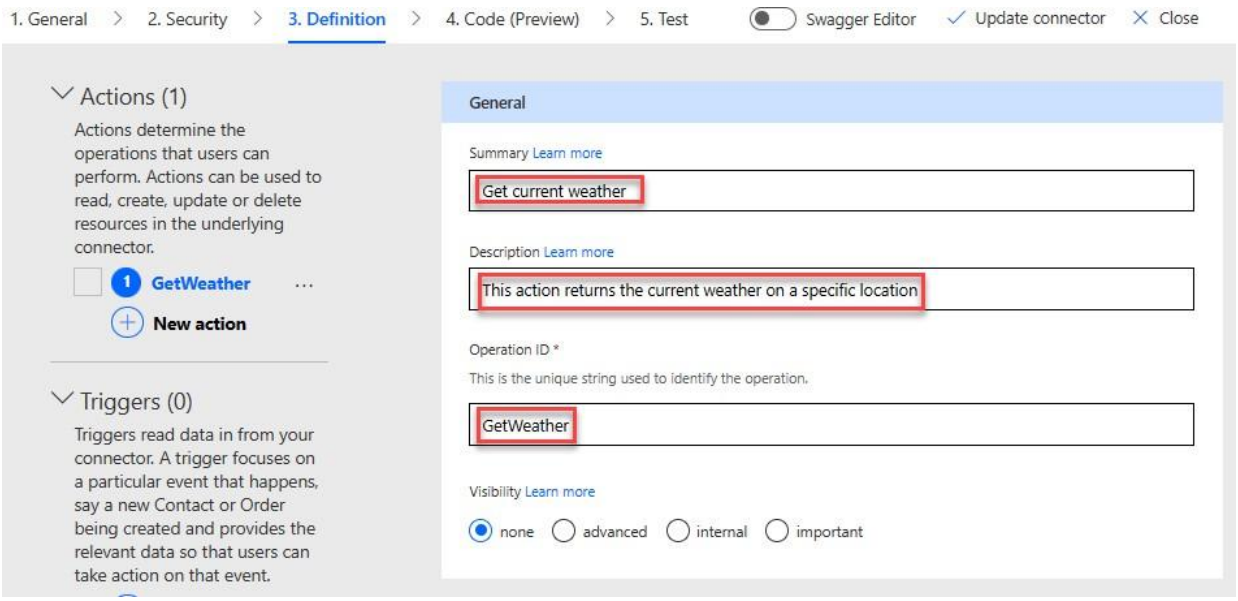
7. Click **Security** to move to the next screen.
8. The authentication type should be **API key**.
9. Since we want the Key parameter to be provided in the query string, create an API key with **API key** as Parameter label and **apikey** as a Parameter name; switch the parameter location to Query as illustrated in the following picture:



10. Click **Definition**:

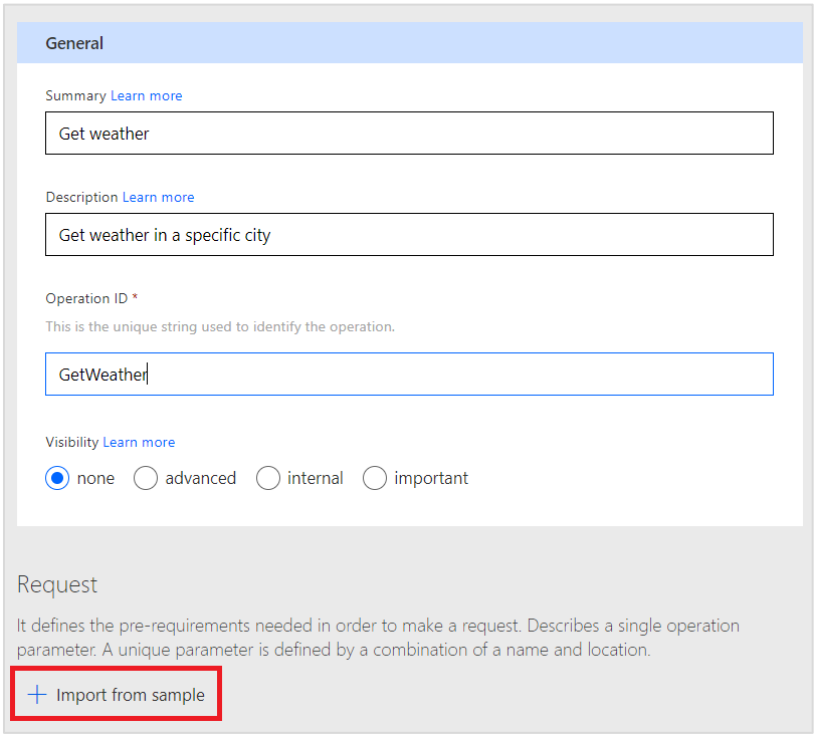


11. Click on **New action**:
12. Define the Action as follow:

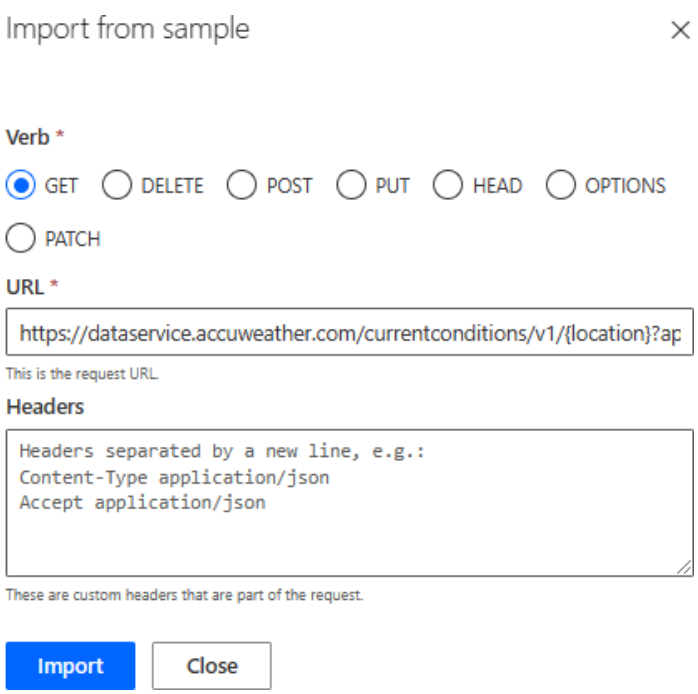


13. In a new browser tab, type a weather request to make sure it works fine and also to generate sample data that we will reuse in our connector; replace the location key with {location} because this is a value that will be passed dyanamicaaly
https://dataservice.accuweather.com/currentconditions/v1/{location}?apikey=wAcxfiZGgPCAYvPC5pEITDojGhUHQqbV&details=true

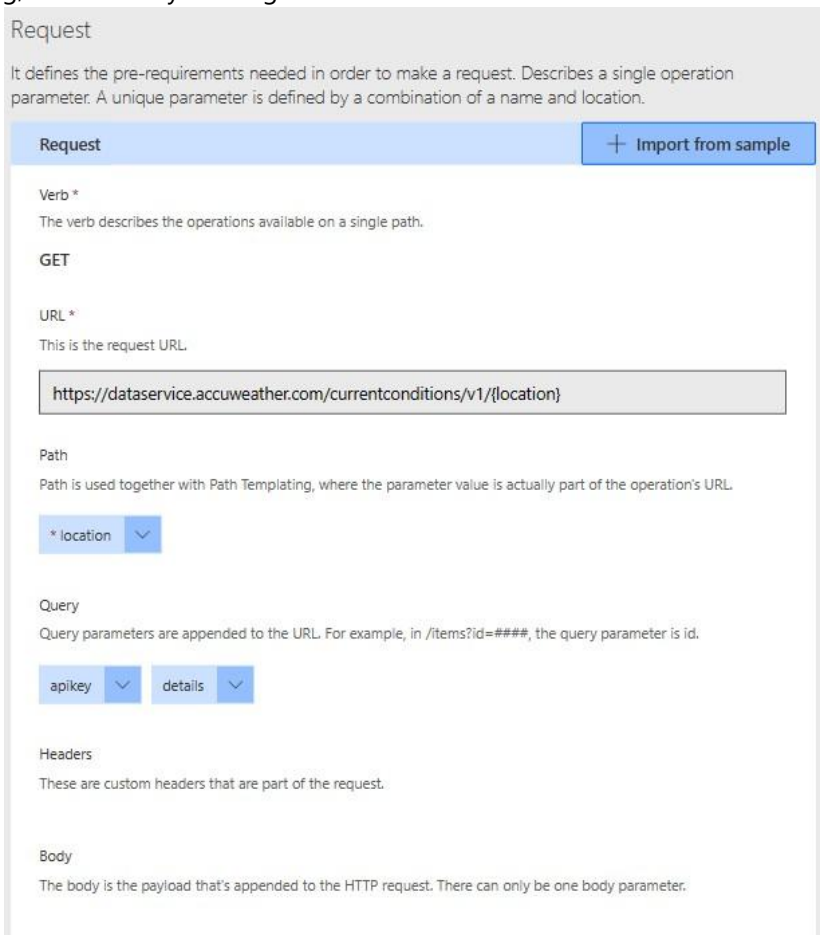
14. Keep this tab open and go back to the connector definition.
15. Down below in **Request**, click **Import from sample**



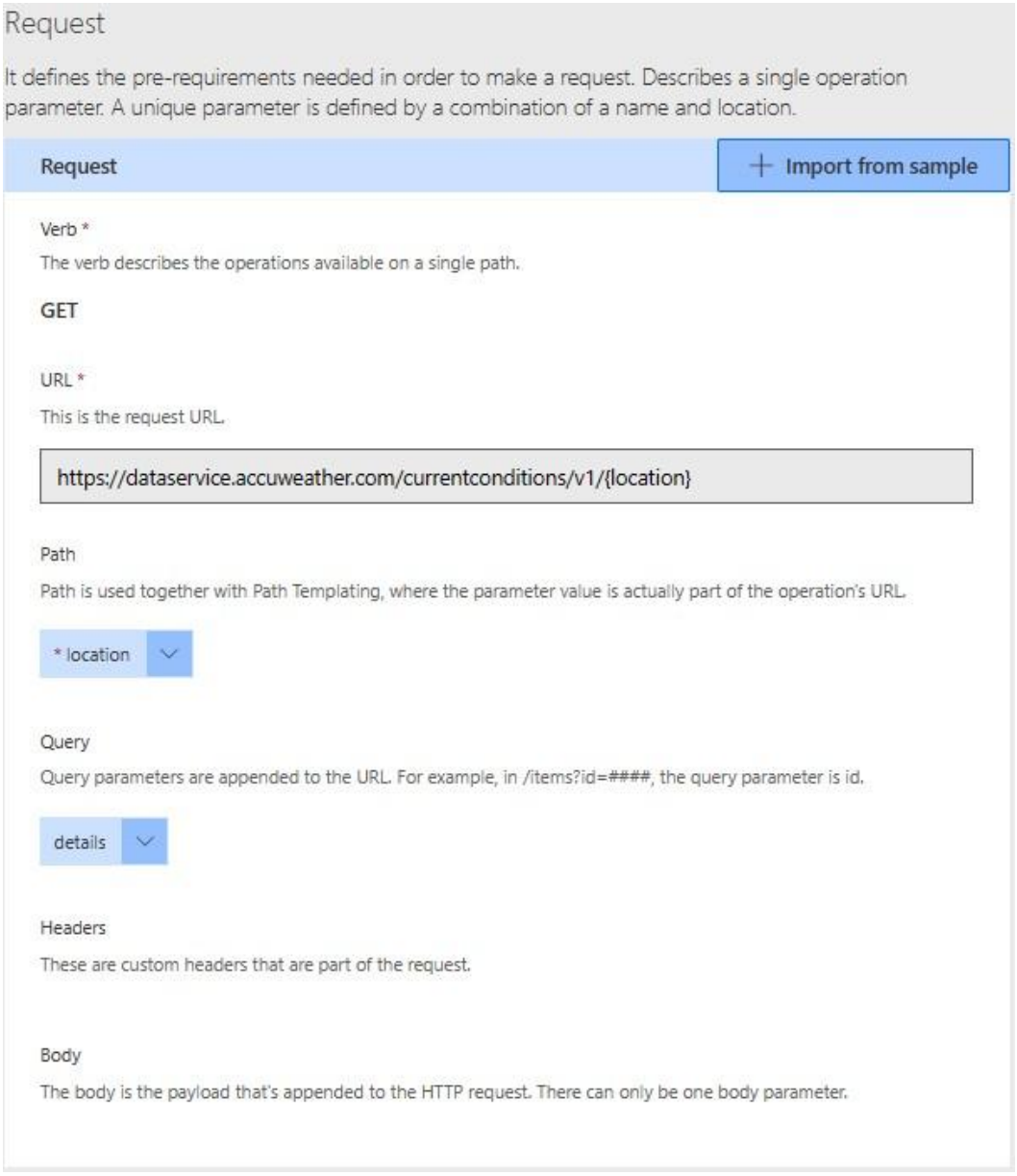
16. Pass your query string, set the verb to **Get** and click i**mport**



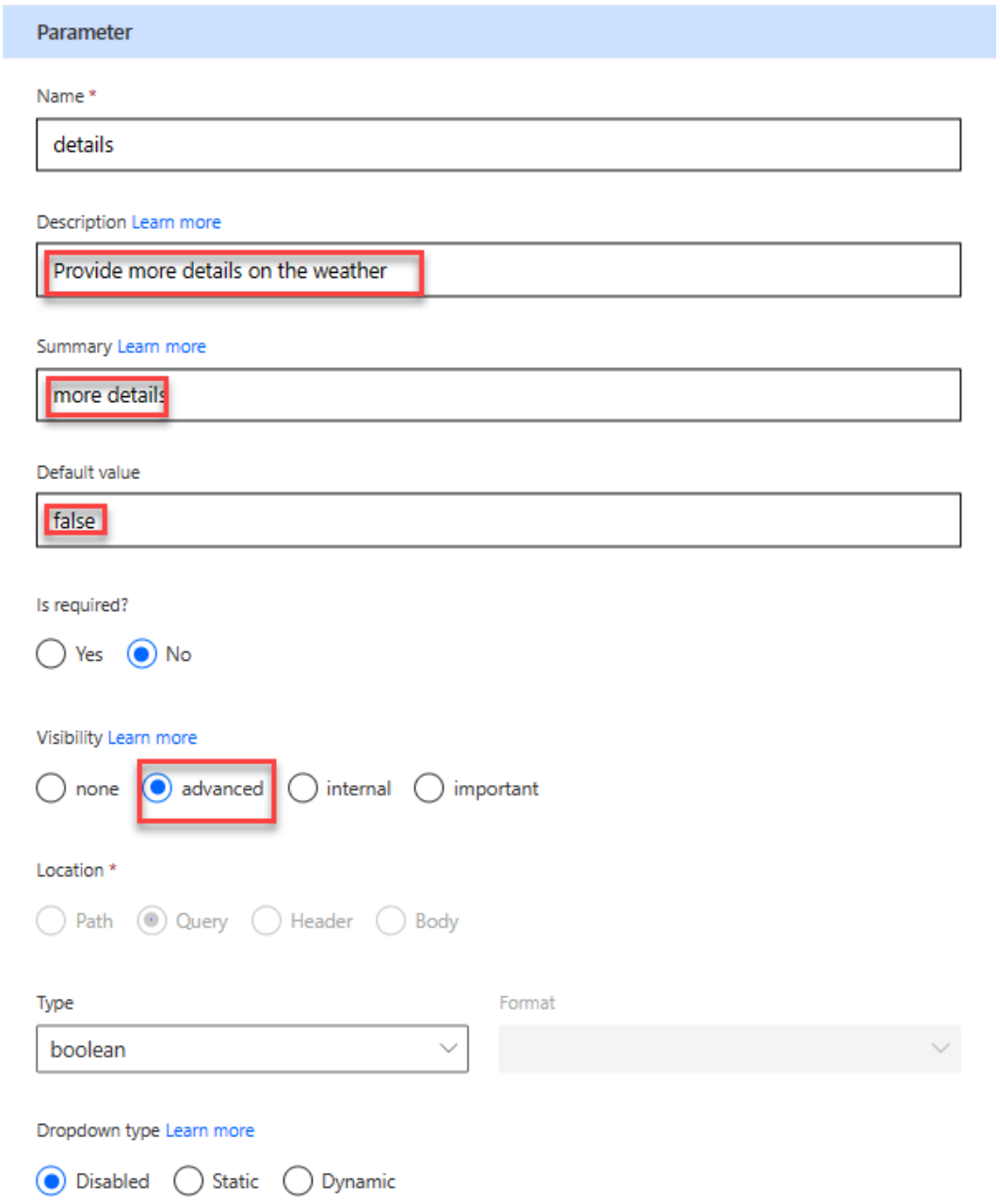
17. After importing, this is what you will get:



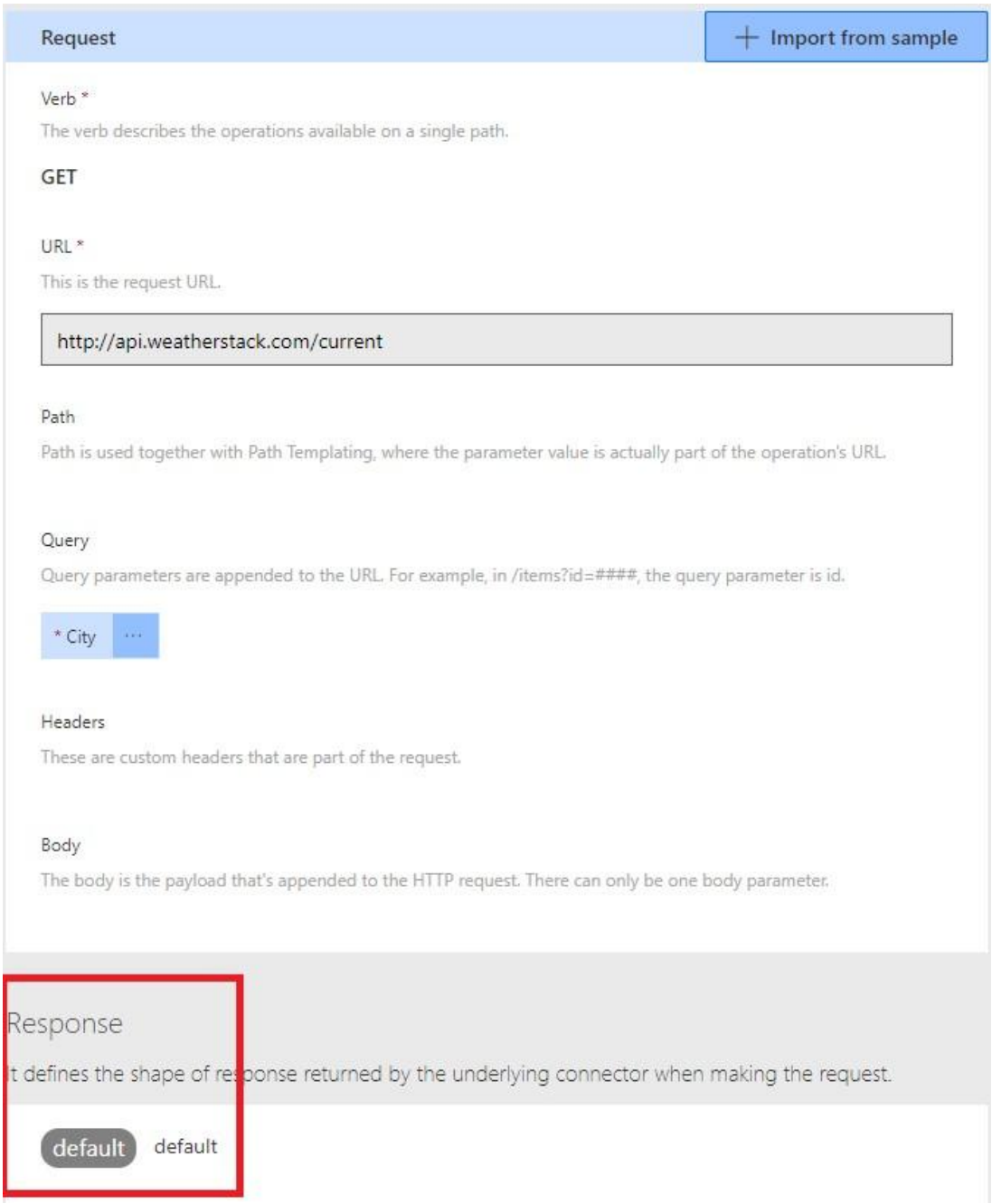
18. **apikey** will be registered in the connector in such a way that there is no need to pass the key for each query; therefore, we can delete it:



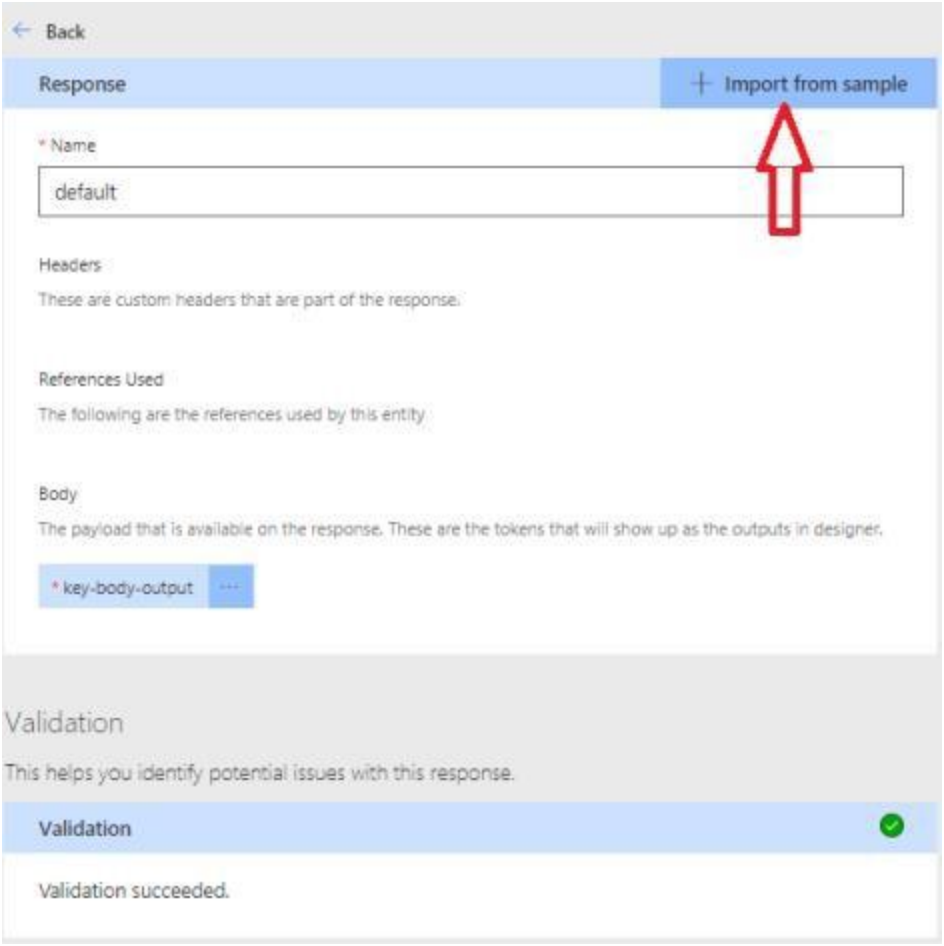
19. Edit the **details** parameter and fill in the **Description** , the **Summary, the default value** and the visibility as follows:



20. Click on **Back**, scroll to **Response**, click on **default** to import another sample; the scroll bar is in the middle of the screen as illustrated in the picture:



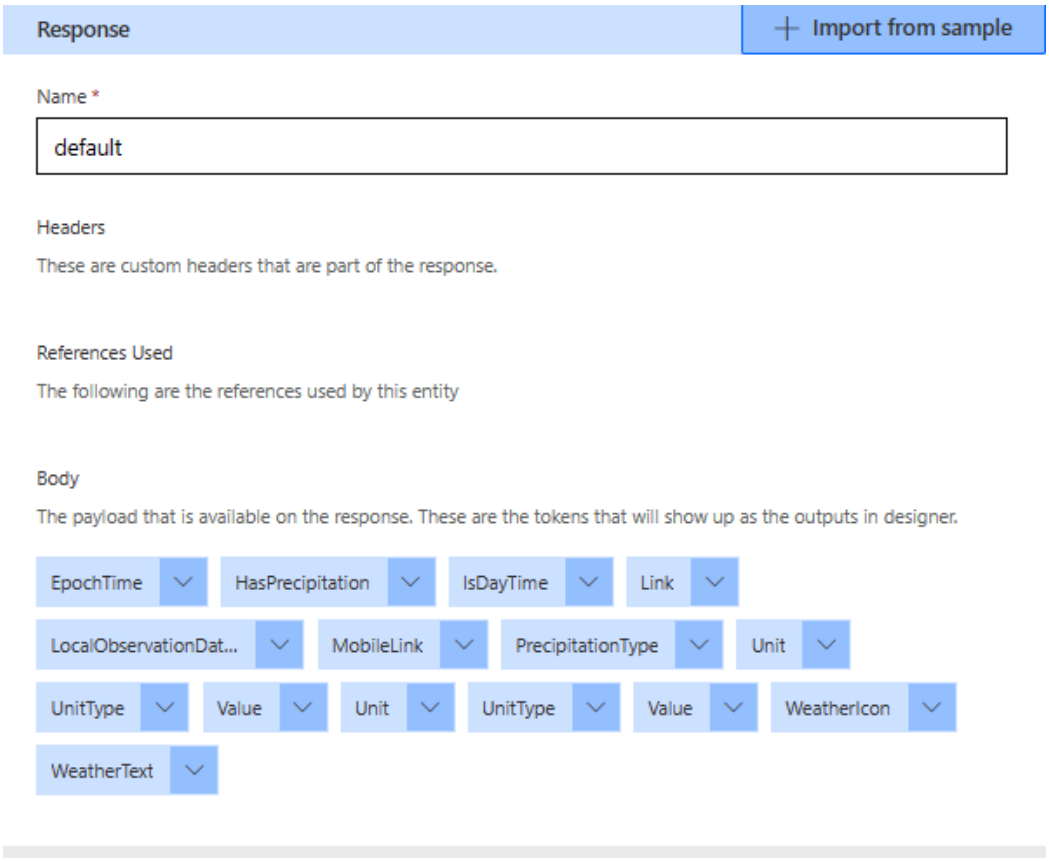
21. In the next window, click on **Import from sample**:



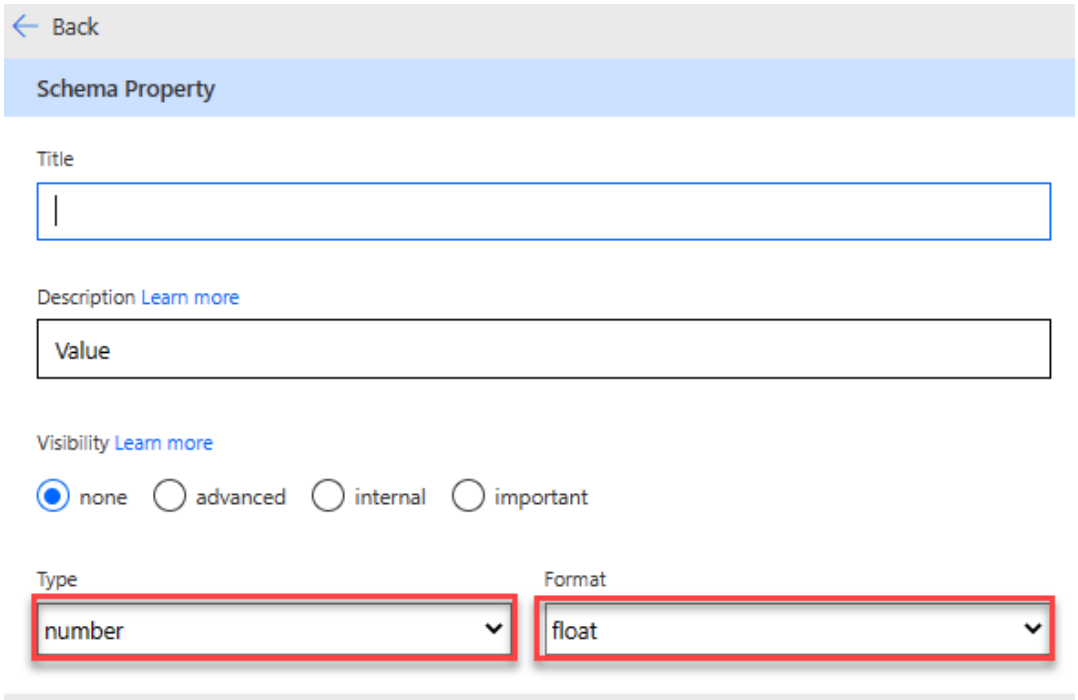
22. …and in the next window, paste the JSON result grabbed from the browser (with &details=false):


```
[{"LocalObservationDateTime":"2023-02-20T05:32:00+01:00","EpochTime":1676867520,"WeatherText":"Mostly
cloudy","WeatherIcon":38,"HasPrecipitation":false,"PrecipitationType":null,"IsDayTime":false,"Temperature":{"Metric":
{"Value":6.2,"Unit":"C","UnitType":17},"Imperial":
{"Value":43.0,"Unit":"F","UnitType":18}},"MobileLink":"http://www.accuweather.com/en/be/brussels/27581/current-
weather/27581?lang=en-us","Link":"http://www.accuweather.com/en/be/brussels/27581/current-weather/27581?lang=en-us"}]
```


23. Click **Import**.
24. Several new properties have been created in the body area:

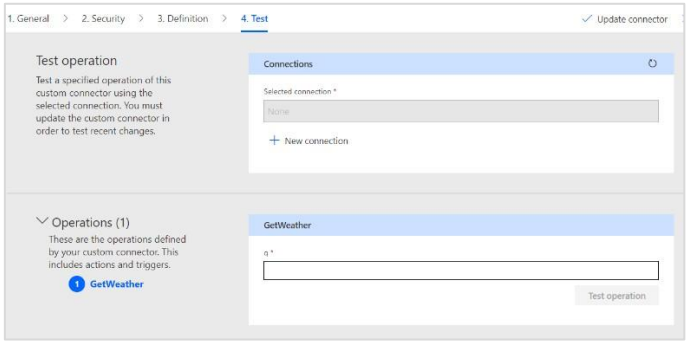


25. Edit each Value property (there is two "Value") and make sure their type is **number** and the format is **float**:

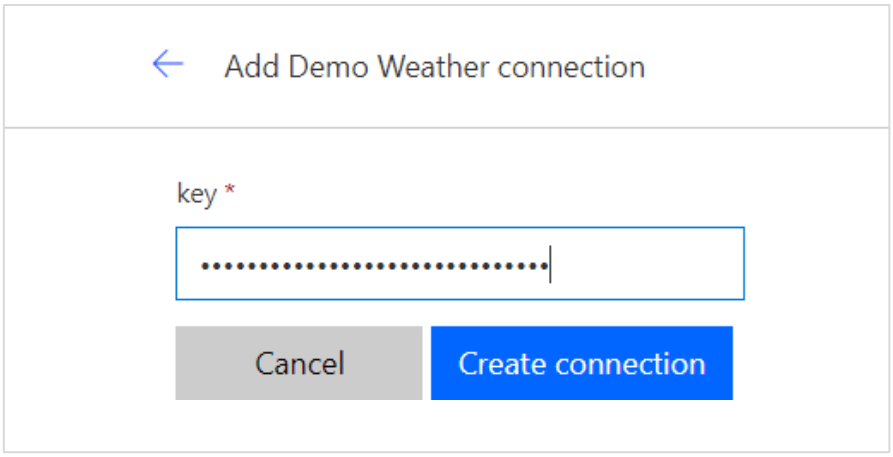


26. Click **Create Connector**

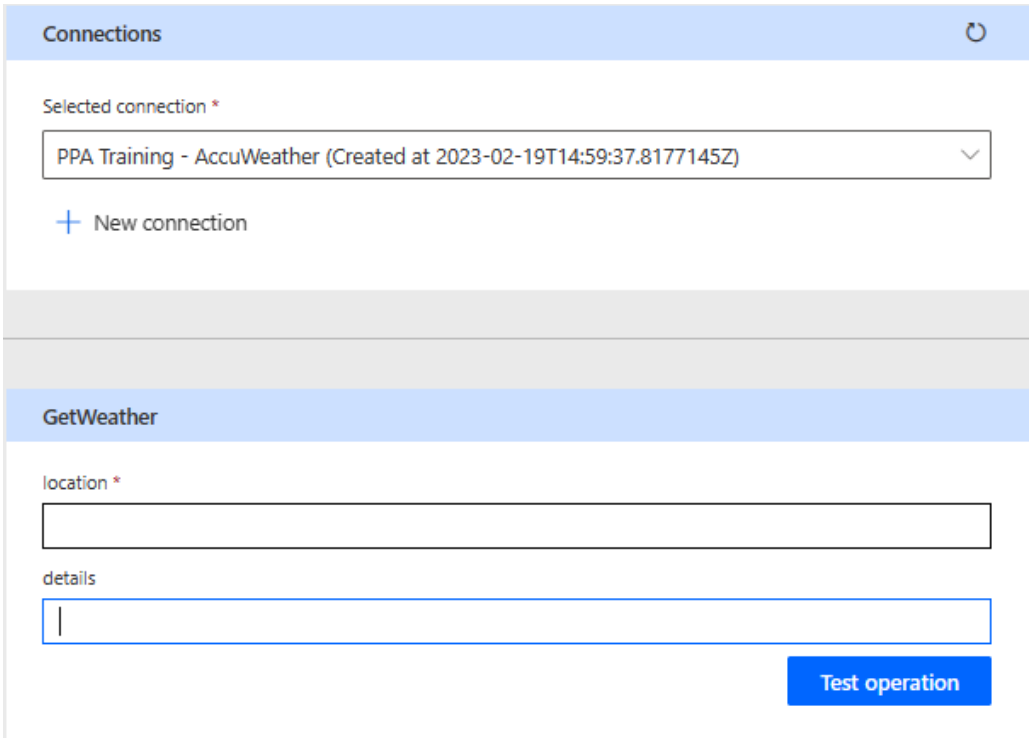
27. You can now test the connector (click **Test**):



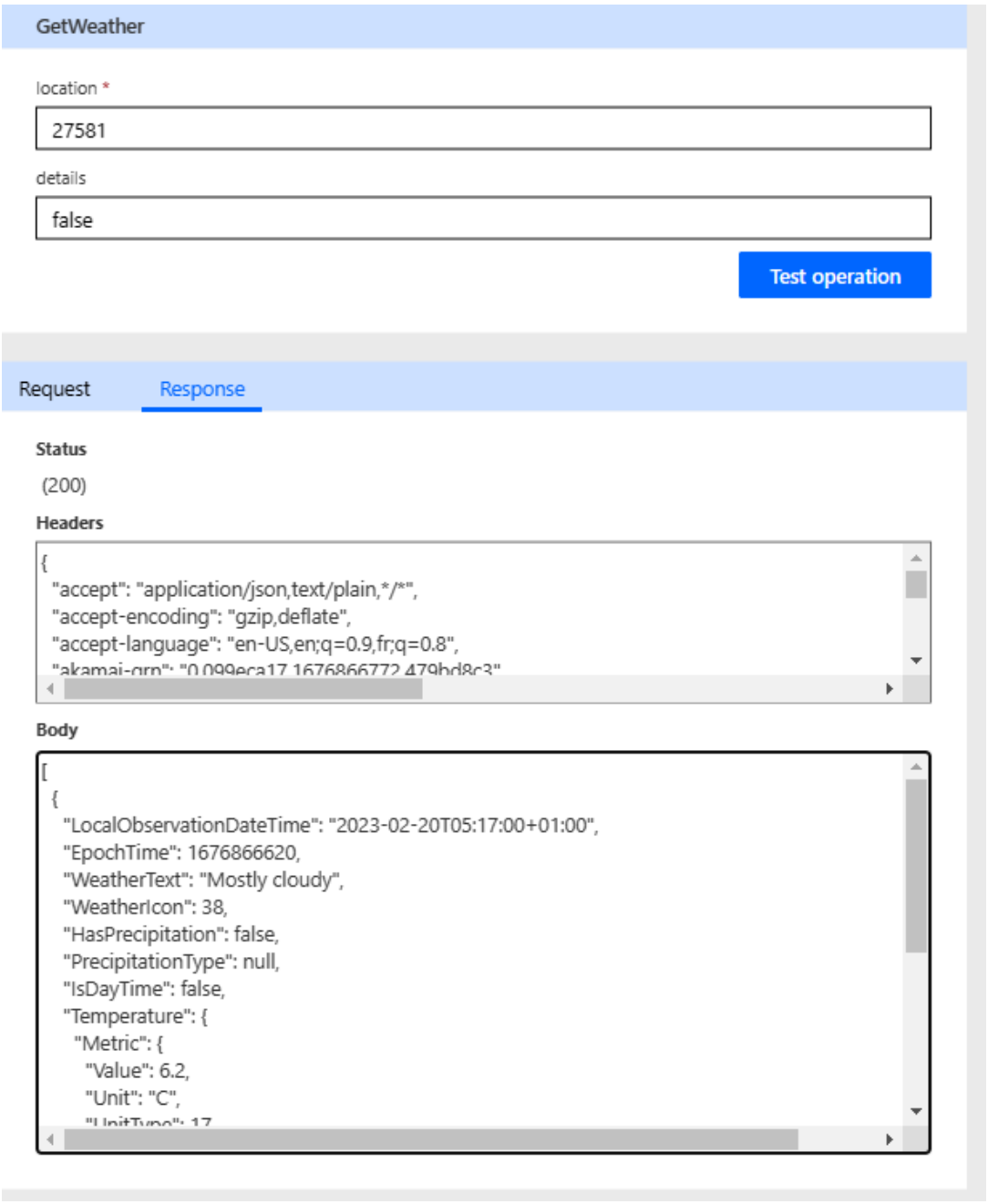
28. However, you have to create a New connection; click on **New connection,** provide your key, and click again on **Create connection**:



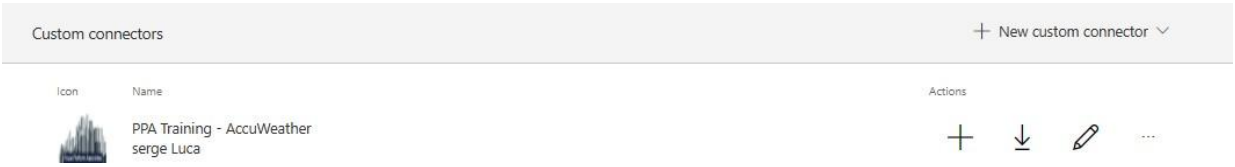
29. You will be redirected to the previous page, where you can click the refresh icon to display the new connection:



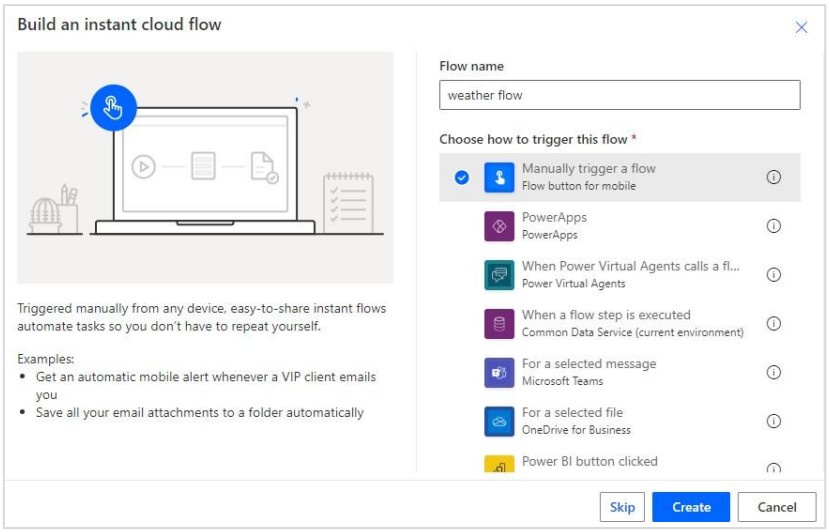
30. Provide the **city location** like 27581 for Brussels, type false in details, click **Test Operation,** and you should get the corresponding weather:



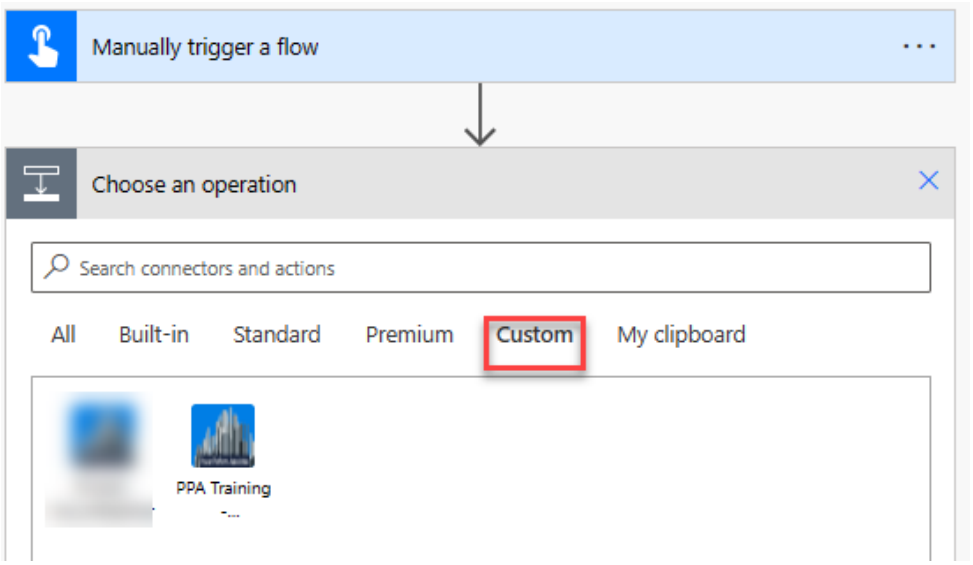
31. Click Create connector to deploy it
32. Click **close**, and you will notice that your connector has been generated:



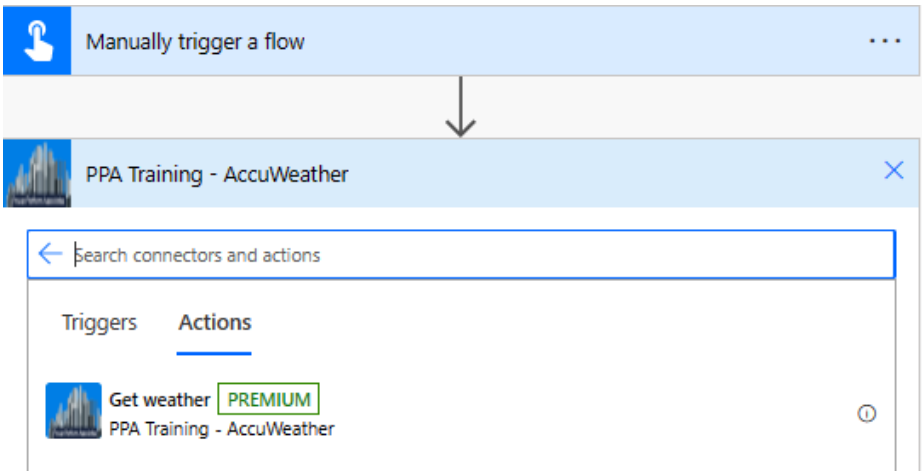
33. You can now create an instant Flow from blank to use this custom connector



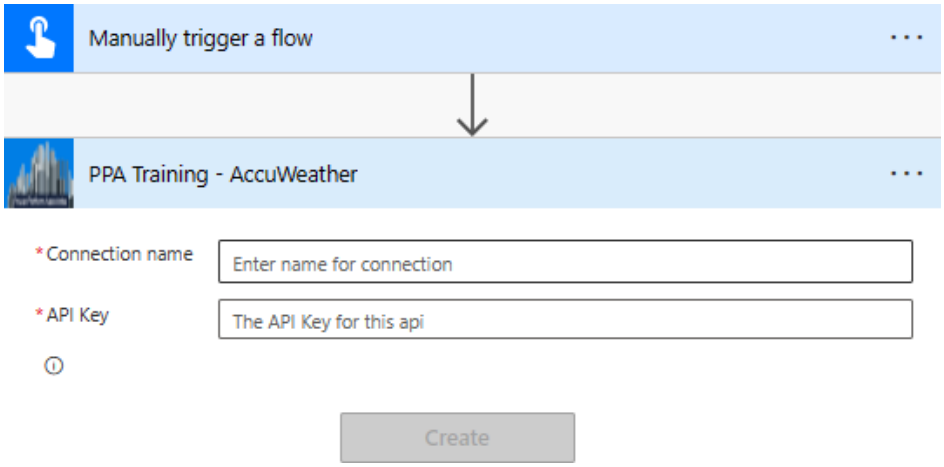
34. Add an "action" from the **Custom** category; you should find you Demo Weather custom connector:



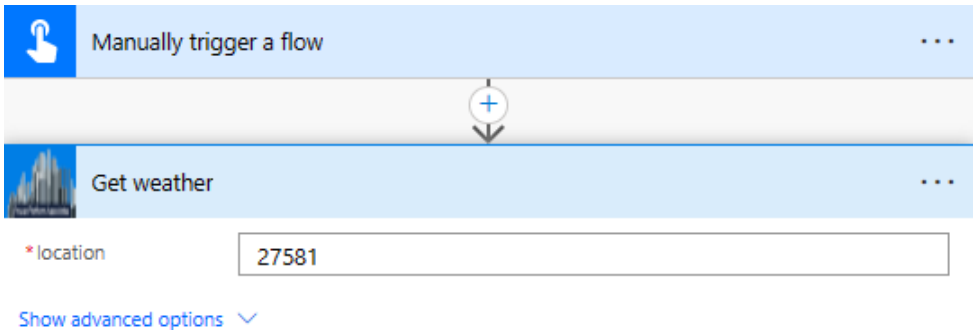
35. Select the **your connector**



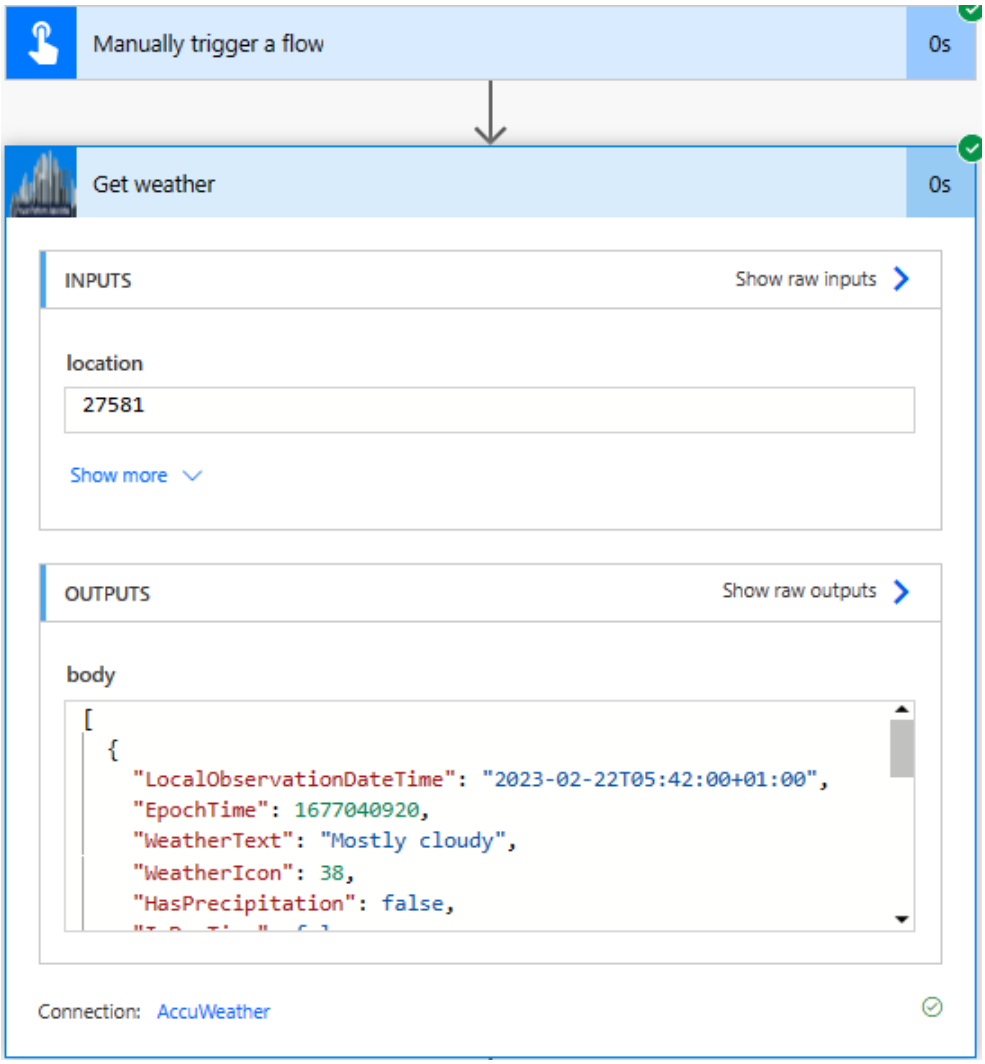
36. You will be requested to provide the **API key** and a **name** for the new connection and click **create**:



37. Provide 27581 (or another location code) and save your Flow:

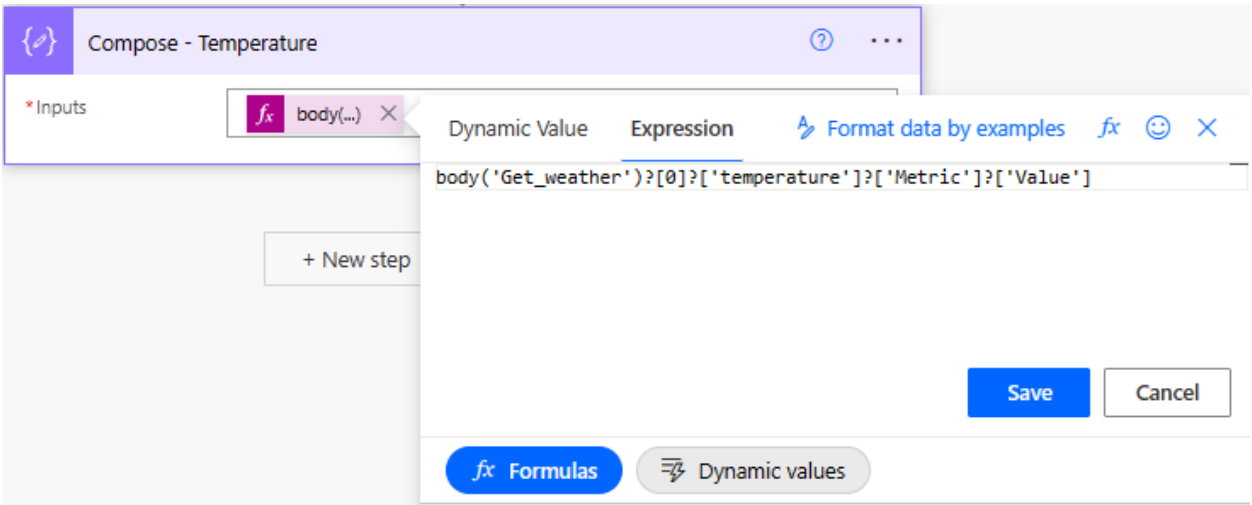


38. Run the Flow and check the output of "Get Weather":



In the following steps, we will get the temperature in Celcius

39. Add a Compose and store the temperature value:



40. Test your flow.

We need your feedback

Do you want to report an issue or suggest something? We need your feedback:
https://github.com/Power-Automate-in-a-day/Training-by-the-community/issues